



REGIONE
PUGLIA



PROVINCIA DI
LECCE



COMUNE DI
ARNESANO



COMUNE DI
CARMIANO



COMUNE DI
COPERTINO



COMUNE DI
LECCE



COMUNE DI
LEVERANO



COMUNE DI
MONTERONI
DI LECCE



COMUNE DI
NOVOLI

Progetto di un impianto agrivoltaico avanzato per la produzione di energia rinnovabile solare, da ubicarsi in agro dei comuni di Arnesano (LE), Carmiano (LE), Copertino (LE) e Novoli (LE) unitamente alle relative opere di connessione alla RTN ricadenti anche nei comuni di Lecce (LE), Leverano (LE) e Monteroni di Lecce (LE)

Potenza nominale lato c.c. 50.963,64 kWp - Potenza nominale lato c.a. 44.480 kVA

Autorizzazione Unica ai sensi del D.Lgs. 29 dicembre 2003, n. 387 e ss.mm.ii.

PROGETTO DI FATTIBILITÀ TECNICO-ECONOMICA

(ai sensi dell'art. 41 del D.Lgs. 36/2023)

Codice AU: I7SPTR4

STAZIONE ELETTRICA SE RTN 150 kV

RELAZIONE DI CALCOLO PRELIMINARE E VERIFICA DELLE STRUTTURE

DENOMINAZIONE ELABORATO

I7SPTR4_CalcoliPrelStrutture_03b

FORMATO

A4

SCALA

n.a.

PROGETTAZIONE:

PROSVETA s.r.l.

SOCIETÀ DI INGEGNERIA
Viale Svezia, 7
73100 - Lecce (LE) Z.I.
P.IVA 04250160753
Direttore Tecnico
Ing. Francesco ROLLO



COMMITTENTE:

SY04 S.r.l.

Via Duca degli Abruzzi, 58

73100 - Lecce (LE)

P.IVA 05239340754

Legale Rappresentante

Franco RICCIATO

REV. N.	DATA	MOTIVO
00	agosto 2024	Prima emissione



Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2024-06-200)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	0724-091/con

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>

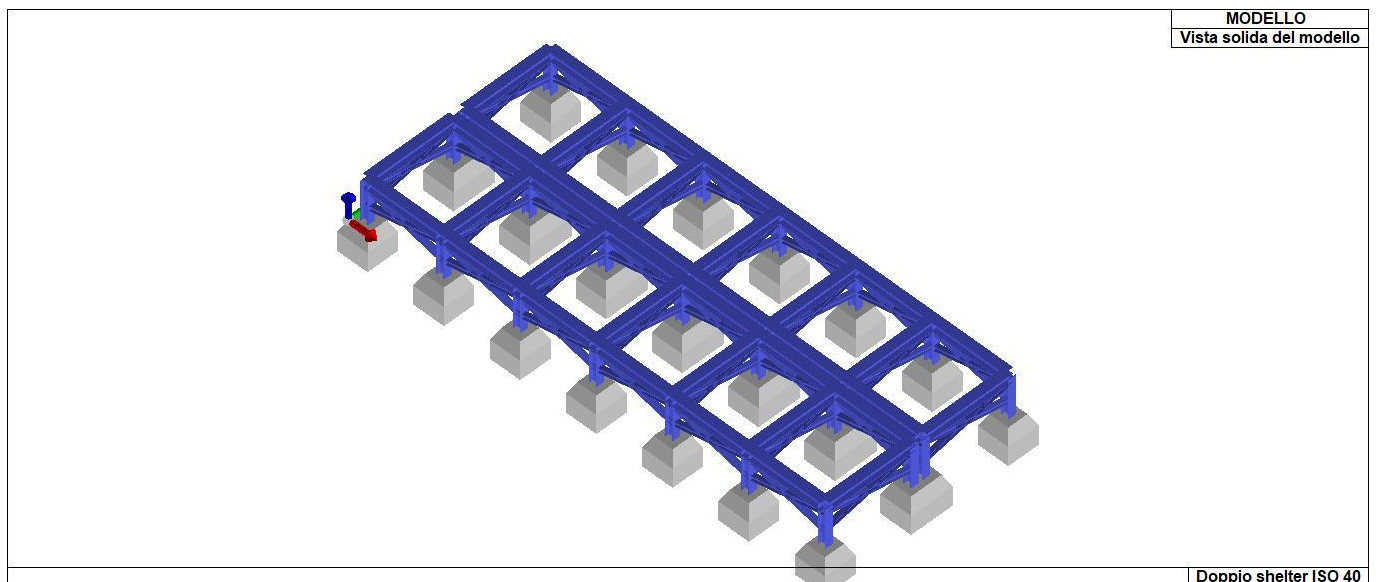
NORMATIVA DI RIFERIMENTO.....	3
CARATTERISTICHE MATERIALI UTILIZZATI	7
LEGENDA TABELLA DATI MATERIALI	7
MODELLAZIONE DELLE SEZIONI.....	10
LEGENDA TABELLA DATI SEZIONI	10
MODELLAZIONE STRUTTURA: NODI.....	12
LEGENDA TABELLA DATI NODI	12
TABELLA DATI NODI.....	12
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE.....	15
TABELLA DATI TRAVI.....	15
MODELLAZIONE DELLE AZIONI	21
LEGENDA TABELLA DATI AZIONI.....	21
SCHEMATIZZAZIONE DEI CASI DI CARICO.....	23
LEGENDA TABELLA CASI DI CARICO	23
DEFINIZIONE DELLE COMBINAZIONI	34
LEGENDA TABELLA COMBINAZIONI DI CARICO.....	34
AZIONE SISMICA	39
VALUTAZIONE DELL' AZIONE SISMICA.....	39
Parametri della struttura	39
RISULTATI ANALISI SISMICHE	46
LEGENDA TABELLA ANALISI SISMICHE.....	46
RISULTATI NODALI	79
LEGENDA RISULTATI NODALI.....	79
RISULTATI OPERE DI FONDAZIONE.....	110
LEGENDA RISULTATI OPERE DI FONDAZIONE.....	110
RISULTATI ELEMENTI TIPO TRAVE	119
LEGENDA RISULTATI ELEMENTI TIPO TRAVE.....	119
VERIFICHE PER ELEMENTI IN ACCIAIO	380
LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO.....	380
STATI LIMITE D' ESERCIZIO ACCIAIO	391
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO.....	391

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2:

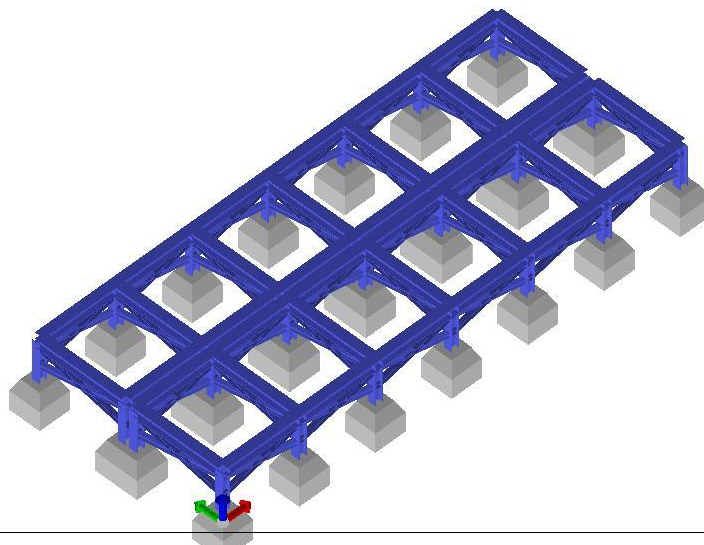
- Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
 30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
 31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
 32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
 33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
 34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.
 35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati
 36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

NOTA: il presente capitolo riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".
Laddove nei capitoli successivi vengano richiamate normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edificio esistente.



01_INT_VISTA_SOLIDATA_001

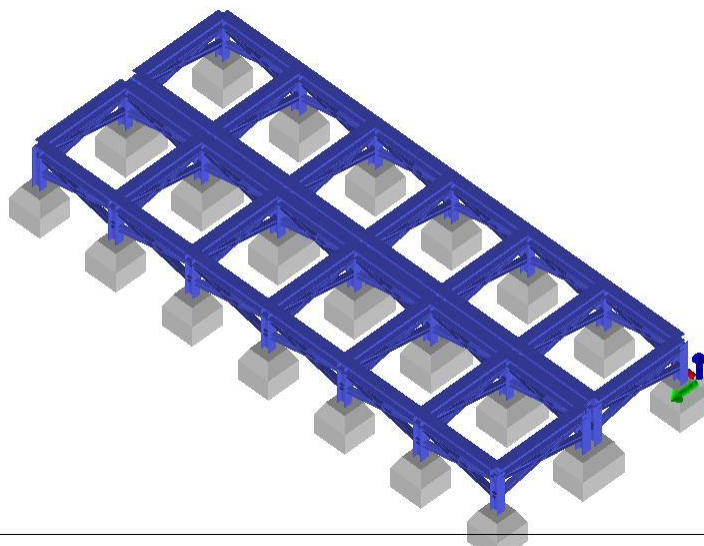
MODELLO
Vista solida del modello



Doppio shelter ISO 40

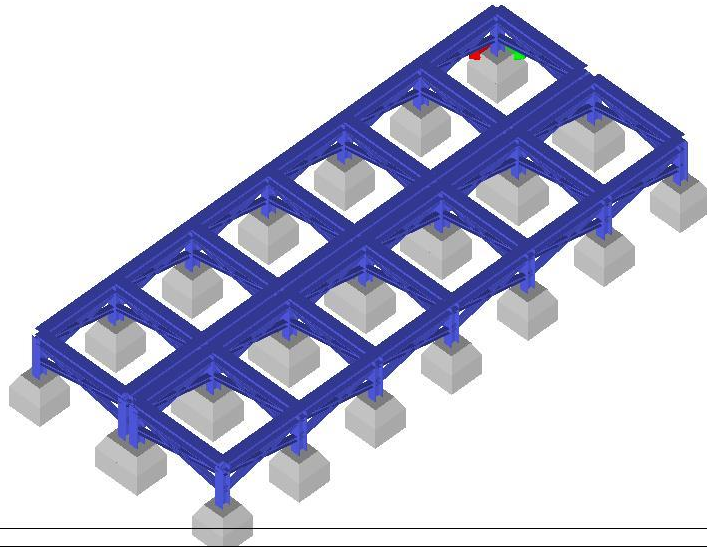
01_INT_VISTA_SOLIDATA_002

MODELLO
Vista solida del modello



Doppio shelter ISO 40

01_INT_VISTA_SOLIDATA_003



01_INT_VISTA_SOLIDATA_004

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

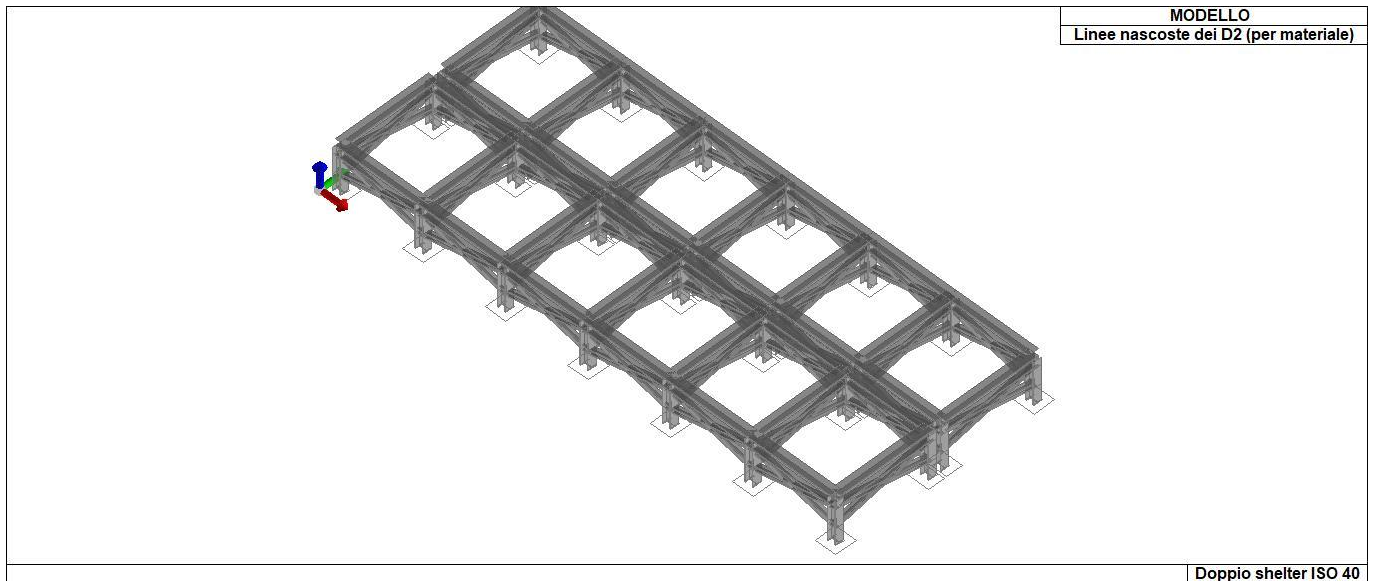
1	c.a.	Resistenza Rc	resistenza a compressione cubica
		Resistenza f_{ctm}	resistenza media a trazione semplice
		Coefficiente k_{sb}	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione f_t	Valore della tensione di rottura
		Tensione f_y	Valore della tensione di snervamento
		Resistenza f_d	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza $f_d (>40)$	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		

	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
	Incremento resistenza	Incremento conseguito in termini di resistenza
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza fvlm	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP, CNR-DT 215 per interventi con FRCM)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
12	Acciaio Fe430 - S275-acciaio Fe430-S275			2.100e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	4300.0							
	Resistenza fd	2750.0							
	Resistenza fd (>40)	2500.0							
	Tensione ammissibile	1900.0							
	Tensione ammissibile (>40)	1700.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D2

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato					
2-2 Beta assegnato	2.00					
2-2 Beta * L assegnato [cm]	0.0					
Metodo di calcolo 3-3	Assegnato					
3-3 Beta assegnato	2.00					
3-3 Beta * L assegnato [cm]	0.0					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Effetti del 2 ordine	SI					
Momenti equivalenti	SI					
Usa condizioni I e II	SI					

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	SI					
3-3 Beta assegnato	1.00					
3-3 Beta assegnato [cm]	0.0					
2-2 Beta * L automatico	SI					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta * L automatico	SI					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Luce di taglio per GR [cm]	1.00					
Usa condizioni I e II	SI					
Momenti equivalenti	SI					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

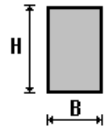
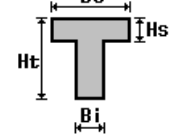
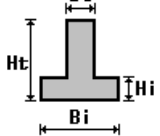
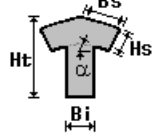
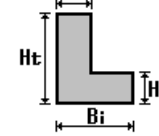
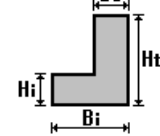
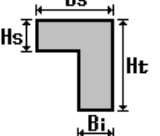
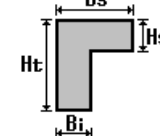
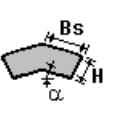
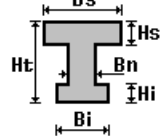
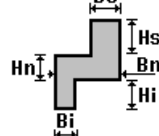
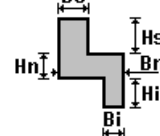
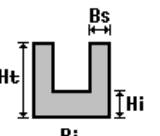
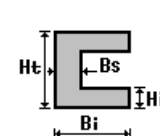
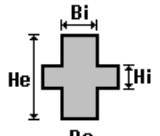
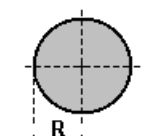
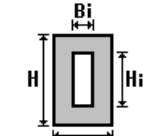
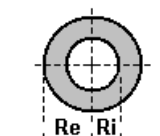
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

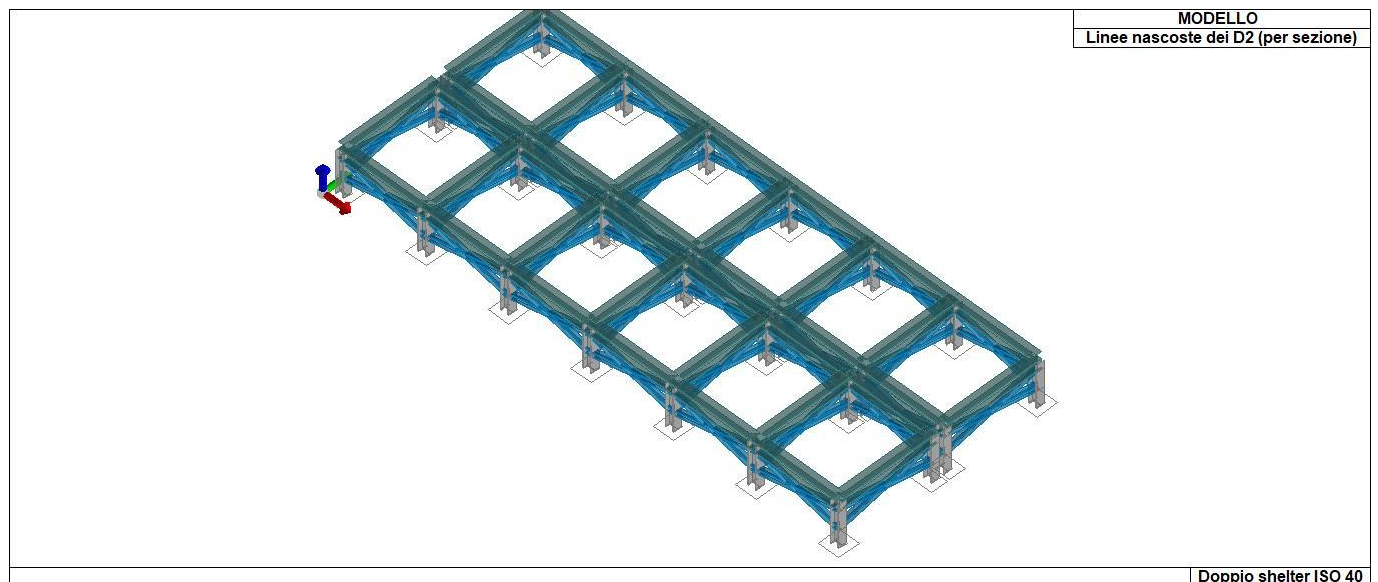
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
 i valori dimensionali con prefisso B sono riferiti all'asse 2
 i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
2	HEB 120	34.00	0.0	0.0	13.80	318.00	864.00	52.90	144.10	81.00	165.20
3	HEB 240	106.00	0.0	0.0	102.70	3923.00	1.126e+04	326.90	938.30	498.40	1053.10



13_MOD_SEZIONI

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

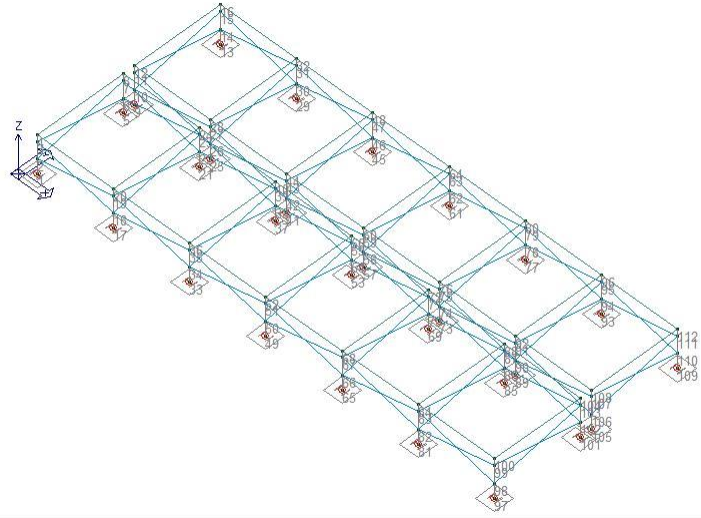
Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2	25.0	25.0	39.0	3	25.0	25.0	85.0	4	25.0	25.0	
103.0											
6	25.0	250.0	39.0	7	25.0	250.0	85.0	8	25.0	250.0	
103.0											
10	25.0	280.0	39.0	11	25.0	280.0	85.0	12	25.0	280.0	
103.0											
14	25.0	505.1	39.0	15	25.0	505.1	85.0	16	25.0	505.1	
103.0											
18	224.8	25.0	39.0	19	224.8	25.0	85.0	20	224.8	25.0	
103.0											
22	224.8	250.0	39.0	23	224.8	250.0	85.0	24	224.8	250.0	
103.0											
26	224.8	280.0	39.0	27	224.8	280.0	85.0	28	224.8	280.0	
103.0											
30	224.8	505.1	39.0	31	224.8	505.1	85.0	32	224.8	505.1	
103.0											
34	424.6	25.0	39.0	35	424.6	25.0	85.0	36	424.6	25.0	

103.0											
38	424.6	250.0	39.0	39	424.6	250.0	85.0	40	424.6	250.0	
103.0											
42	424.6	280.0	39.0	43	424.6	280.0	85.0	44	424.6	280.0	
103.0											
46	424.6	505.1	39.0	47	424.6	505.1	85.0	48	424.6	505.1	
103.0											
50	624.4	25.0	39.0	51	624.4	25.0	85.0	52	624.4	25.0	
103.0											
54	624.4	250.0	39.0	55	624.4	250.0	85.0	56	624.4	250.0	
103.0											
58	624.4	280.0	39.0	59	624.4	280.0	85.0	60	624.4	280.0	
103.0											
62	624.4	505.1	39.0	63	624.4	505.1	85.0	64	624.4	505.1	
103.0											
66	824.2	25.0	39.0	67	824.2	25.0	85.0	68	824.2	25.0	
103.0											
70	824.2	250.0	39.0	71	824.2	250.0	85.0	72	824.2	250.0	
103.0											
74	824.2	280.0	39.0	75	824.2	280.0	85.0	76	824.2	280.0	
103.0											
78	824.2	505.1	39.0	79	824.2	505.1	85.0	80	824.2	505.1	
103.0											
82	1024.1	25.0	39.0	83	1024.1	25.0	85.0	84	1024.1	25.0	
103.0											
86	1024.1	250.0	39.0	87	1024.1	250.0	85.0	88	1024.1	250.0	
103.0											
90	1024.1	280.0	39.0	91	1024.1	280.0	85.0	92	1024.1	280.0	
103.0											
94	1024.1	505.1	39.0	95	1024.1	505.1	85.0	96	1024.1	505.1	
103.0											
98	1223.9	25.0	39.0	99	1223.9	25.0	85.0	100	1223.9	25.0	
103.0											
102	1223.9	250.0	39.0	103	1223.9	250.0	85.0	104	1223.9	250.0	
103.0											
106	1223.9	280.0	39.0	107	1223.9	280.0	85.0	108	1223.9	280.0	
103.0											
110	1223.9	505.1	39.0	111	1223.9	505.1	85.0	112	1223.9	505.1	
103.0											

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig.
RZ	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN
cm/rad										
1	25.0	25.0	0.0	FS=1						
5	25.0	250.0	0.0	FS=1						
9	25.0	280.0	0.0	FS=1						
13	25.0	505.1	0.0	FS=1						
17	224.8	25.0	0.0	FS=1						
21	224.8	250.0	0.0	FS=1						
25	224.8	280.0	0.0	FS=1						
29	224.8	505.1	0.0	FS=1						
33	424.6	25.0	0.0	FS=1						
37	424.6	250.0	0.0	FS=1						
41	424.6	280.0	0.0	FS=1						
45	424.6	505.1	0.0	FS=1						
49	624.4	25.0	0.0	FS=1						
53	624.4	250.0	0.0	FS=1						
57	624.4	280.0	0.0	FS=1						
61	624.4	505.1	0.0	FS=1						
65	824.2	25.0	0.0	FS=1						
69	824.2	250.0	0.0	FS=1						
73	824.2	280.0	0.0	FS=1						
77	824.2	505.1	0.0	FS=1						
81	1024.1	25.0	0.0	FS=1						
85	1024.1	250.0	0.0	FS=1						
89	1024.1	280.0	0.0	FS=1						
93	1024.1	505.1	0.0	FS=1						
97	1223.9	25.0	0.0	FS=1						
101	1223.9	250.0	0.0	FS=1						
105	1223.9	280.0	0.0	FS=1						
109	1223.9	505.1	0.0	FS=1						



14_MOD_NUMERAZIONE_NODI

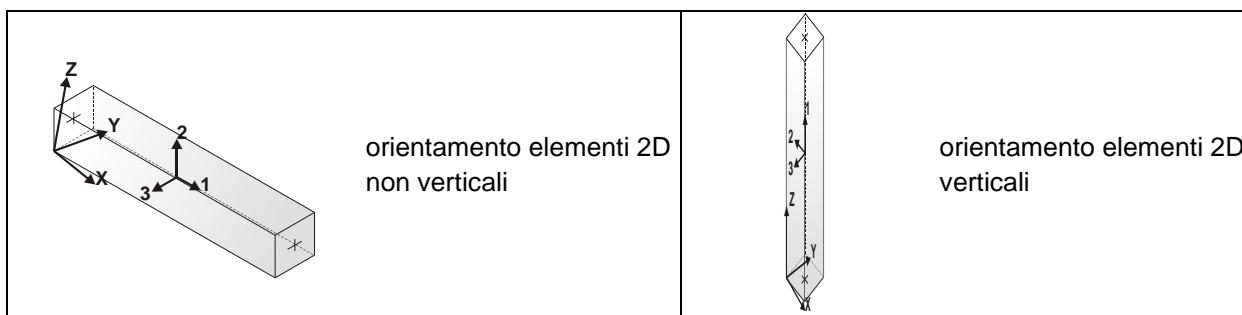
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

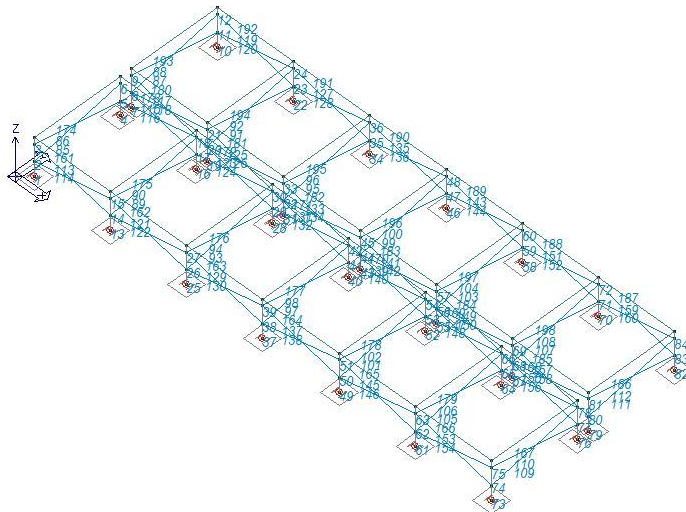
Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem. Wink O	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3
1	Pilas.	1	2	12	1	1				
2	Pilas.	2	3	12	1	1				
3	Pilas.	3	4	12	1	1				
4	Pilas.	5	6	12	1	1				
5	Pilas.	6	7	12	1	1				
6	Pilas.	7	8	12	1	1				
7	Pilas.	9	10	12	1	1				
8	Pilas.	10	11	12	1	1				
9	Pilas.	11	12	12	1	1				
10	Pilas.	13	14	12	1	1				
11	Pilas.	14	15	12	1	1				
12	Pilas.	15	16	12	1	1				
13	Pilas.	17	18	12	1	1				
14	Pilas.	18	19	12	1	1				
15	Pilas.	19	20	12	1	1				
16	Pilas.	21	22	12	1	1				
17	Pilas.	22	23	12	1	1				
18	Pilas.	23	24	12	1	1				
19	Pilas.	25	26	12	1	1				
20	Pilas.	26	27	12	1	1				
21	Pilas.	27	28	12	1	1				
22	Pilas.	29	30	12	1	1				
23	Pilas.	30	31	12	1	1				
24	Pilas.	31	32	12	1	1				
25	Pilas.	33	34	12	1	1				
26	Pilas.	34	35	12	1	1				
27	Pilas.	35	36	12	1	1				
28	Pilas.	37	38	12	1	1				
29	Pilas.	38	39	12	1	1				
30	Pilas.	39	40	12	1	1				
31	Pilas.	41	42	12	1	1				
32	Pilas.	42	43	12	1	1				
33	Pilas.	43	44	12	1	1				
34	Pilas.	45	46	12	1	1				
35	Pilas.	46	47	12	1	1				
36	Pilas.	47	48	12	1	1				
37	Pilas.	49	50	12	1	1				
38	Pilas.	50	51	12	1	1				
39	Pilas.	51	52	12	1	1				
40	Pilas.	53	54	12	1	1				
41	Pilas.	54	55	12	1	1				
42	Pilas.	55	56	12	1	1				
43	Pilas.	57	58	12	1	1				
44	Pilas.	58	59	12	1	1				
45	Pilas.	59	60	12	1	1				
46	Pilas.	61	62	12	1	1				
47	Pilas.	62	63	12	1	1				
48	Pilas.	63	64	12	1	1				
49	Pilas.	65	66	12	1	1				
50	Pilas.	66	67	12	1	1				
51	Pilas.	67	68	12	1	1				
52	Pilas.	69	70	12	1	1				
53	Pilas.	70	71	12	1	1				
54	Pilas.	71	72	12	1	1				
55	Pilas.	73	74	12	1	1				
56	Pilas.	74	75	12	1	1				
57	Pilas.	75	76	12	1	1				
58	Pilas.	77	78	12	1	1				
59	Pilas.	78	79	12	1	1				
60	Pilas.	79	80	12	1	1				
61	Pilas.	81	82	12	1	1				
62	Pilas.	82	83	12	1	1				
63	Pilas.	83	84	12	1	1				
64	Pilas.	85	86	12	1	1				
65	Pilas.	86	87	12	1	1				
66	Pilas.	87	88	12	1	1				
67	Pilas.	89	90	12	1	1				
68	Pilas.	90	91	12	1	1				
69	Pilas.	91	92	12	1	1				

70	Pilas.	93	94	12	1	1
71	Pilas.	94	95	12	1	1
72	Pilas.	95	96	12	1	1
73	Pilas.	97	98	12	1	1
74	Pilas.	98	99	12	1	1
75	Pilas.	99	100	12	1	1
76	Pilas.	101	102	12	1	1
77	Pilas.	102	103	12	1	1
78	Pilas.	103	104	12	1	1
79	Pilas.	105	106	12	1	1
80	Pilas.	106	107	12	1	1
81	Pilas.	107	108	12	1	1
82	Pilas.	109	110	12	1	1
83	Pilas.	110	111	12	1	1
84	Pilas.	111	112	12	1	1
85	Trave	2	7	12	2	1
86	Trave	3	6	12	2	1
87	Trave	10	15	12	2	1
88	Trave	11	14	12	2	1
89	Trave	18	23	12	2	1
90	Trave	19	22	12	2	1
91	Trave	26	31	12	2	1
92	Trave	27	30	12	2	1
93	Trave	34	39	12	2	1
94	Trave	35	38	12	2	1
95	Trave	42	47	12	2	1
96	Trave	43	46	12	2	1
97	Trave	50	55	12	2	1
98	Trave	51	54	12	2	1
99	Trave	58	63	12	2	1
100	Trave	59	62	12	2	1
101	Trave	66	71	12	2	1
102	Trave	67	70	12	2	1
103	Trave	74	79	12	2	1
104	Trave	75	78	12	2	1
105	Trave	82	87	12	2	1
106	Trave	83	86	12	2	1
107	Trave	90	95	12	2	1
108	Trave	91	94	12	2	1
109	Trave	98	103	12	2	1
110	Trave	99	102	12	2	1
111	Trave	106	111	12	2	1
112	Trave	107	110	12	2	1
113	Trave	3	18	12	2	1
114	Trave	2	19	12	2	1
115	Trave	7	22	12	2	1
116	Trave	6	23	12	2	1
117	Trave	11	26	12	2	1
118	Trave	10	27	12	2	1
119	Trave	15	30	12	2	1
120	Trave	14	31	12	2	1
121	Trave	19	34	12	2	1
122	Trave	18	35	12	2	1
123	Trave	23	38	12	2	1
124	Trave	22	39	12	2	1
125	Trave	27	42	12	2	1
126	Trave	26	43	12	2	1
127	Trave	31	46	12	2	1
128	Trave	30	47	12	2	1
129	Trave	35	50	12	2	1
130	Trave	34	51	12	2	1
131	Trave	39	54	12	2	1
132	Trave	38	55	12	2	1
133	Trave	43	58	12	2	1
134	Trave	42	59	12	2	1
135	Trave	47	62	12	2	1
136	Trave	46	63	12	2	1
137	Trave	51	66	12	2	1
138	Trave	50	67	12	2	1
139	Trave	55	70	12	2	1
140	Trave	54	71	12	2	1
141	Trave	59	74	12	2	1
142	Trave	58	75	12	2	1
143	Trave	63	78	12	2	1
144	Trave	62	79	12	2	1
145	Trave	67	82	12	2	1

146	Trave	66	83	12	2	1
147	Trave	71	86	12	2	1
148	Trave	70	87	12	2	1
149	Trave	75	90	12	2	1
150	Trave	74	91	12	2	1
151	Trave	79	94	12	2	1
152	Trave	78	95	12	2	1
153	Trave	83	98	12	2	1
154	Trave	82	99	12	2	1
155	Trave	87	102	12	2	1
156	Trave	86	103	12	2	1
157	Trave	91	106	12	2	1
158	Trave	90	107	12	2	1
159	Trave	95	110	12	2	1
160	Trave	94	111	12	2	1
161	Trave	4	20	12	3	1
162	Trave	20	36	12	3	1
163	Trave	36	52	12	3	1
164	Trave	52	68	12	3	1
165	Trave	68	84	12	3	1
166	Trave	84	100	12	3	1
167	Trave	100	104	12	3	1
168	Trave	88	104	12	3	1
169	Trave	72	88	12	3	1
170	Trave	56	72	12	3	1
171	Trave	40	56	12	3	1
172	Trave	24	40	12	3	1
173	Trave	8	24	12	3	1
174	Trave	4	8	12	3	1
175	Trave	20	24	12	3	1
176	Trave	36	40	12	3	1
177	Trave	52	56	12	3	1
178	Trave	68	72	12	3	1
179	Trave	84	88	12	3	1
180	Trave	12	28	12	3	1
181	Trave	28	44	12	3	1
182	Trave	44	60	12	3	1
183	Trave	60	76	12	3	1
184	Trave	76	92	12	3	1
185	Trave	92	108	12	3	1
186	Trave	108	112	12	3	1
187	Trave	96	112	12	3	1
188	Trave	80	96	12	3	1
189	Trave	64	80	12	3	1
190	Trave	48	64	12	3	1
191	Trave	32	48	12	3	1
192	Trave	16	32	12	3	1
193	Trave	12	16	12	3	1
194	Trave	28	32	12	3	1
195	Trave	44	48	12	3	1
196	Trave	60	64	12	3	1
197	Trave	76	80	12	3	1
198	Trave	92	96	12	3	1

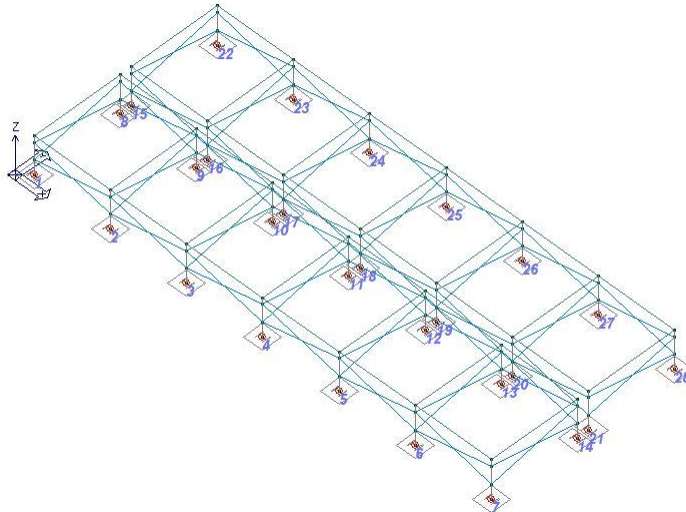
MODELLO
Numerazione dei D2



Doppio shelter ISO 40

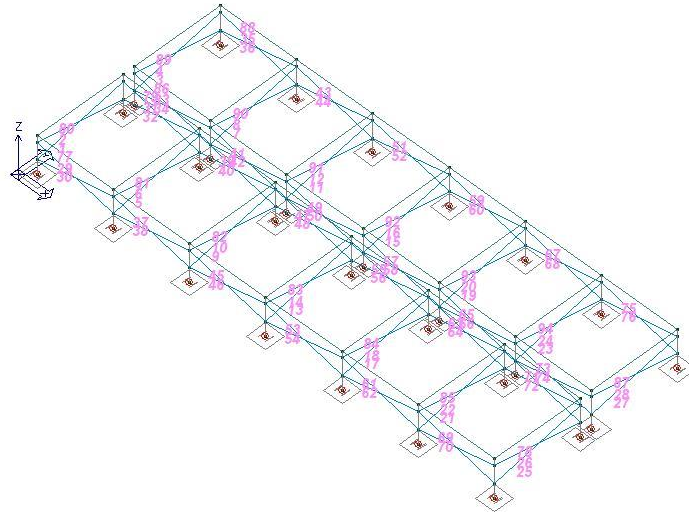
15_MOD_NUMERAZIONE_D2

MODELLO
Numerazione delle pilastre



Doppio shelter ISO 40

15_MOD_NUMERAZIONE_D2_PILASTRATE



MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

	Carico concentrato nodale		Spostamento impresso
	Carico distribuito globale		Carico distribuito locale
	Carico concentrato globale		Carico concentrato locale
	Carico termico 2D		Carico termico 3D
	Carico pressione uniforme		Carico pressione variabile

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		cm	daN/cm	daN/cm	daN/cm	daN	daN	daN
9	Container ISO 40 + apparecchiature - DG:Fzi=-8.00 Fzf=-8.00	0.0	0.0	0.0	-8.00	0.0	0.0	0.0
		0.0	0.0	0.0	-8.00	0.0	0.0	0.0

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

LOCALIZZAZIONE DELL'INTERVENTO

Ubicazione:

Località	ARNESANO
Provincia	LECCE
Regione	PUGLIA
Latitudine	40,33600 N
Longitudine	18,09100 E
Altitudine s.l.m.	33,0 m

CALCOLO DELLE AZIONI DELLA NEVE E DEL VENTO

Normativa di riferimento:

D.M. 17 gennaio 2018 - NORME TECNICHE PER LE COSTRUZIONI

Cap. 3 - AZIONI SULLE COSTRUZIONI - Par. 3.3 e 3.4

Circolare n.7 - 21 gennaio 2019 C.S.LL.PP.

NEVE

Il carico della neve sulle coperture è calcolato in relazione ai seguenti parametri:

Zona: macro area derivante dalla suddivisione del territorio nazionale;

Esp.: zona topografica di esposizione al vento;

Ce: coefficiente di esposizione al vento;

TR: periodo di ritorno di progetto espresso in anni;

as: altitudine del sito;

qsk: valore caratteristico del carico della neve al suolo (per Tr = 50 anni);

Zona	Esposizione	Ce	TR	as	qsk
III	Zona normale	1,00	50 anni	33 m	60,00

Copertura a due falde:

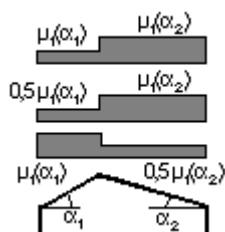
Angolo di inclinazione della falda $\alpha_1 = 20,0^\circ$

$\mu_1(\alpha_1) = 0,80 \Rightarrow Q_1 = 48 \text{ daN/mq}$

Angolo di inclinazione della falda $\alpha_2 = 20,0^\circ$

$\mu_1(\alpha_2) = 0,80 \Rightarrow Q_2 = 48 \text{ daN/mq}$

Schema di carico:



VENTO

La velocità del vento è calcolata in relazione ai seguenti parametri:

Zona: macro area derivante dalla suddivisione del territorio nazionale (NTC - Tab. 3.3.I);

Vb,0: velocità base della zona (NTC - Tab. 3.3.I);

a0: altitudine base della zona (NTC - Tab. 3.3.I);

ks: parametro in funzione della zona in cui sorge la costruzione (NTC - Tab. 3.3.I);

as: altitudine del sito;

TR: periodo di ritorno di progetto espresso in anni;

Vb: velocità di riferimento calcolata come segue:

$$V_b = V_{b,0} \quad \text{per } a_s \leq a_0$$

$$V_b = V_{b,0} (1 + k_s ((a_s / a_0) - 1)) \quad \text{per } a_0 < a_s \leq 1500 \text{ m}$$

per $a_s > 1500 \text{ m}$ vanno ricavati da opportuna documentazione o da indagini comprovate

Tali valori non dovranno essere minori di quelli previsti per $a_s = 1500 \text{ m}$

Cr: coefficiente di ritorno in funzione del periodo di ritorno TR

Vr: velocità di riferimento riferita al periodo di ritorno TR

Zona	Vb,0	a0	ks	as	TR	Vb	Cr	Vr
3	27 m/s	500 m	0,37	33 m	50 anni	27,00 m/s	1,000	27,00 m/s

Pressione cinetica di riferimento, $q_r = \rho V_r^2 / 2 = 46 \text{ daN/mq}$

dove: ρ è la densità dell'aria (assunta convenzionalmente costante = 1,25 kg/mc)

Esposizione: Cat. II - Entroterra tra 10 e 40 km dalla costa

Da cui i parametri della tabella 3.3.II delle NTC

Kr	z0	z min
0,19	0,05 m	4 m

Classe di rugosità del terreno: D (NTC - Tab. 3.3.III)

Aree prive di ostacoli o con al di più rari ostacoli isolati (aperta campagna, aeroporti, aree agricole, zone paludose o sabbiose, superfici innevate o ghiacciate, mare, laghi,...)

L'azione del vento sulle costruzioni è determinata dai seguenti parametri:

Cp: coefficiente di pressione;

Cd: coefficiente dinamico;

Ct: coefficiente di topografia;

Ce: coefficiente di esposizione (funzione di z, z0 e Ct);

z: altezza sul suolo.

Cp	Cd	Ct	Ce	z
1,00	1,00	1,00	1,95	5,22 m

Pressione del vento

$p = q_r C_e C_p C_d = 89 \text{ daN/mq}$

TEMPERATURA DELL'ARIA ESTERNA

Le temperature esterne, T max (massima estiva) e T min (minima invernale), sono calcolate secondo le seguenti espressioni riferite alla zona climatica:

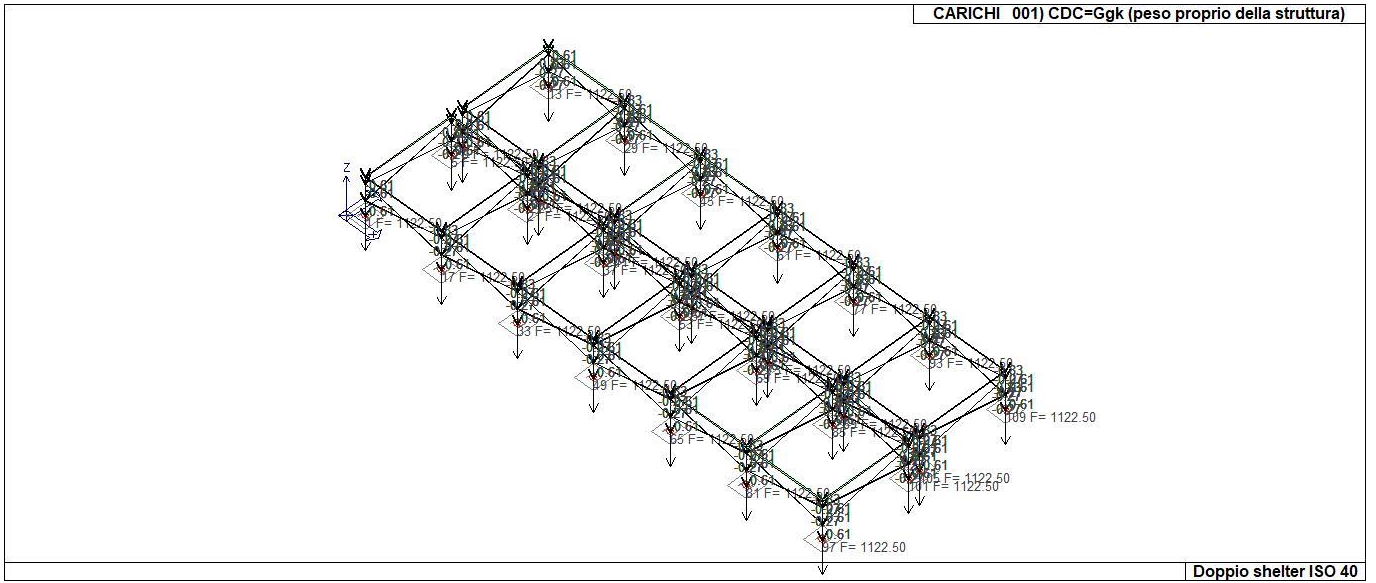
T min = $-15 - 4 \text{ as} / 1000$ (NTC 3.5.1)

T max = $42 - 6 \text{ as} / 1000$ (NTC 3.5.2)

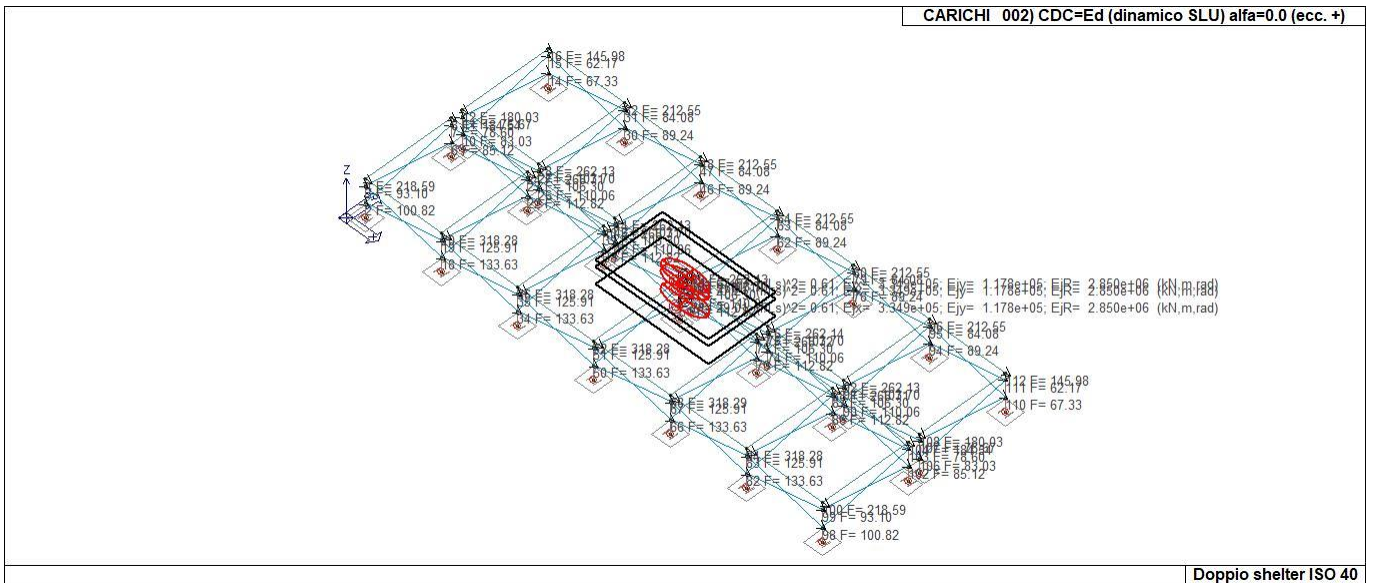
dove as è l'altitudine di riferimento

Zona	as	T min	T max
I	33 m	-15,13 °C	41,80 °C

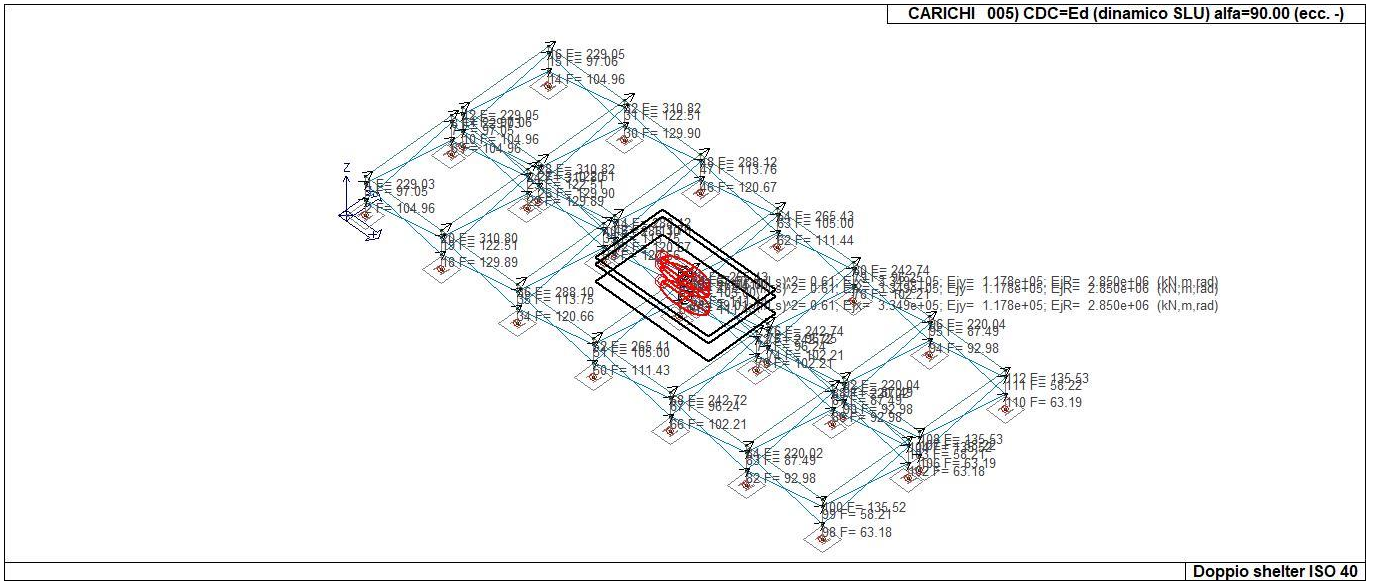
CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
10	Gk	CDC=G1k (permanente generico) Container ISO 40 + apparecchiature	Azioni applicate:	Ad elementi:
			[9] Container ISO 40 + apparecchiature - DG:Fzi=-8.00 Fzf=-8.00	D2: 161 # 198
11	Qk	CDC=Qk (variabile generico)	Azioni applicate:	Ad elementi:
12	Gk	CDC=G1k (permanente generico)	Azioni applicate:	Ad elementi:
13	Qvk	CDC=Qvk (carico da vento) dir X +	Azioni applicate:	Ad elementi:
14	Qvk	CDC=Qvk (carico da vento) dir X -	Azioni applicate:	Ad elementi:
15	Qvk	CDC=Qvk (carico da vento) dir Y +	Azioni applicate:	Ad elementi:
16	Qvk	CDC=Qvk (carico da vento) dir Y -	Azioni applicate:	Ad elementi:



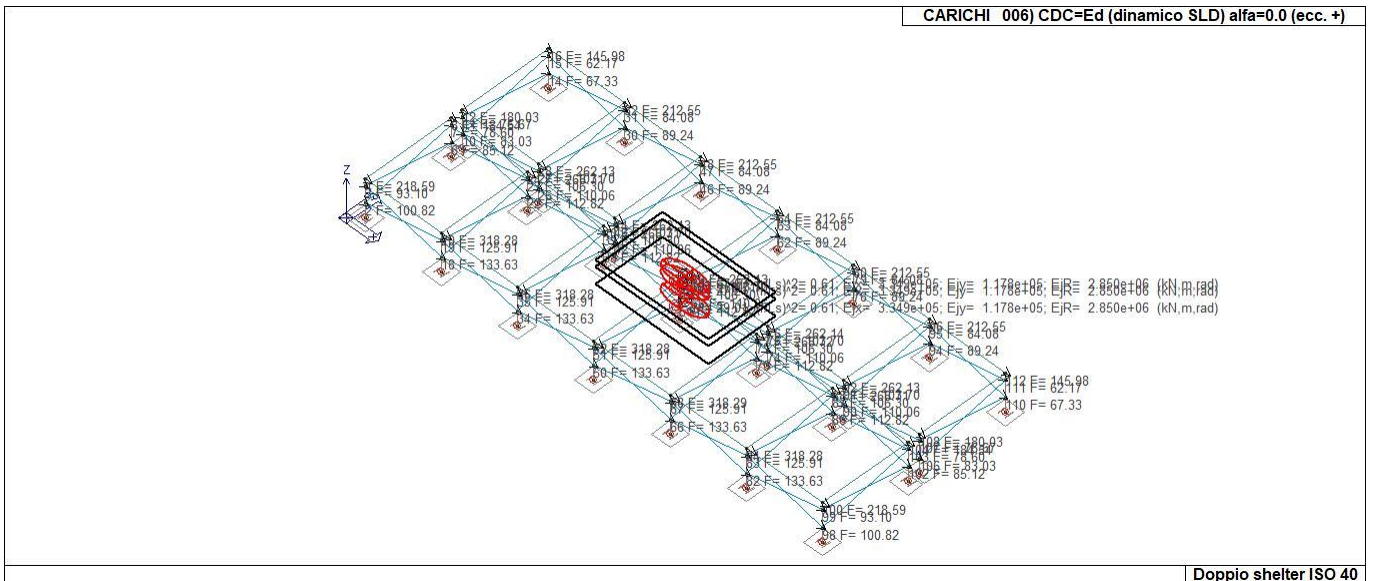
22_CDC_001_CD CGk peso proprio della struttura



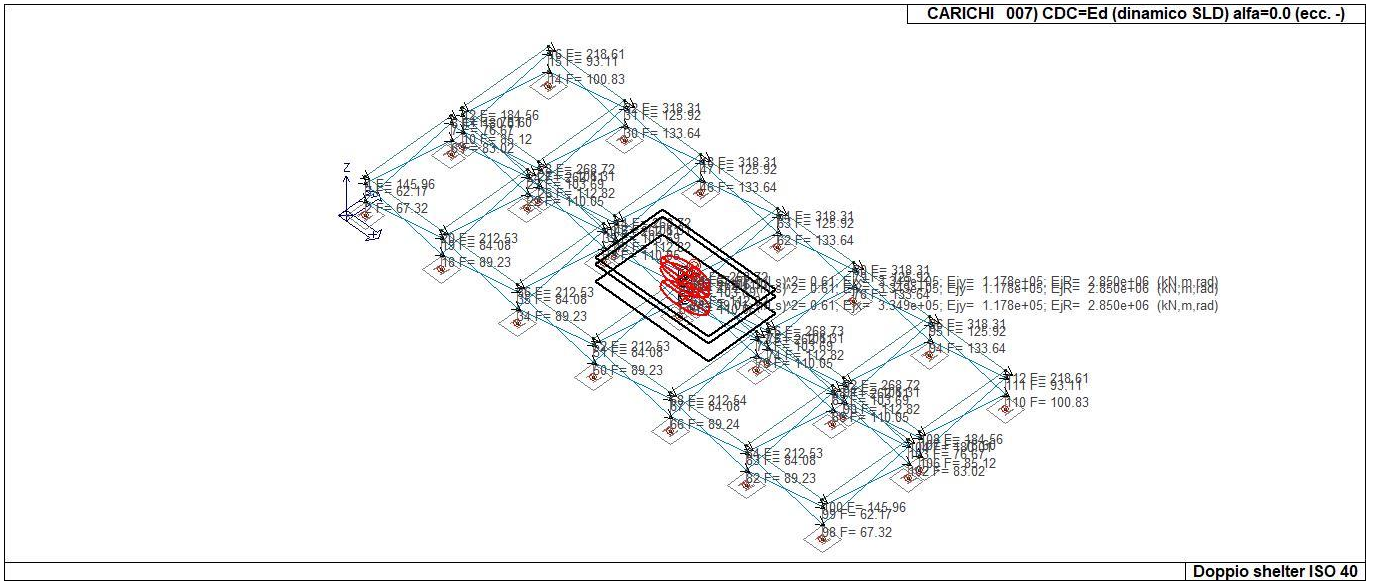
22_CDC_002_CDCEd dinamico SLU alfa00 ecc +



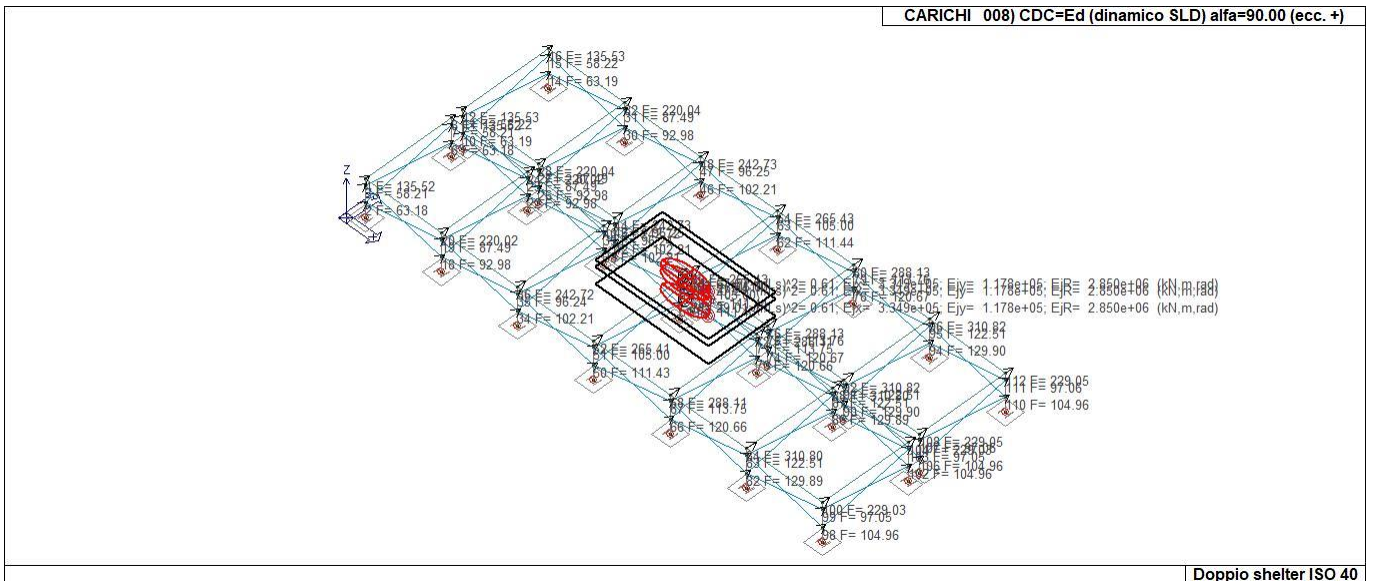
22_CDC_005_CDCEd dinamico SLU alfa9000 ecc -



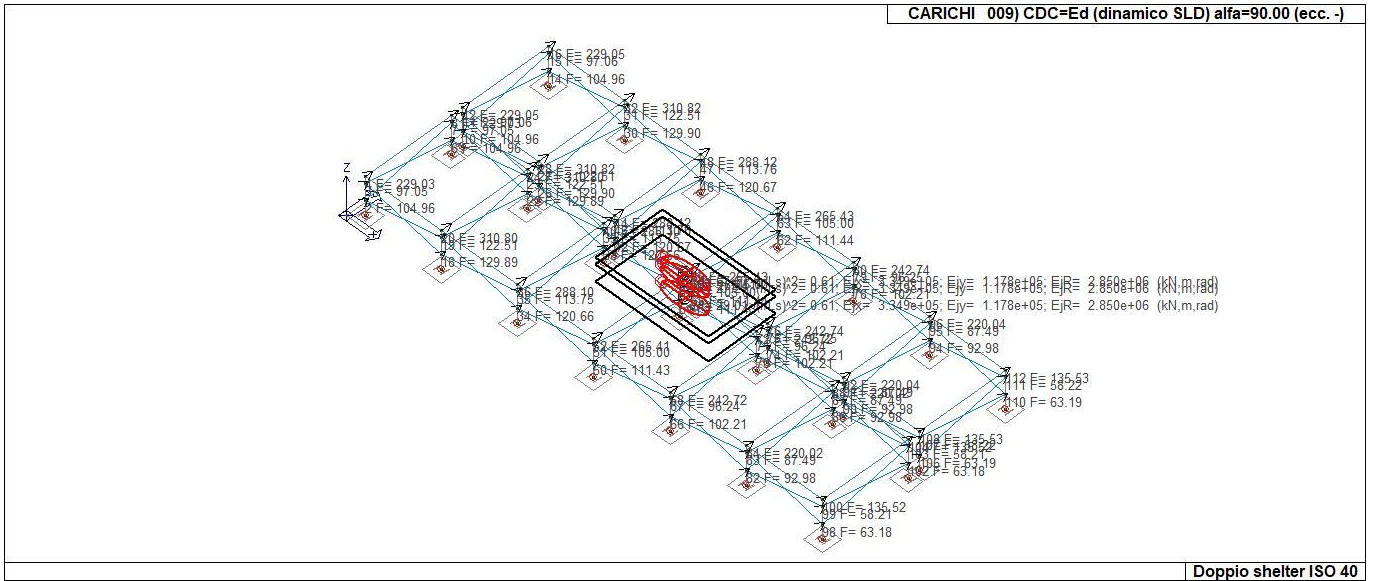
22_CDC_006_CDCEd dinamico SLD alfa00 ecc +



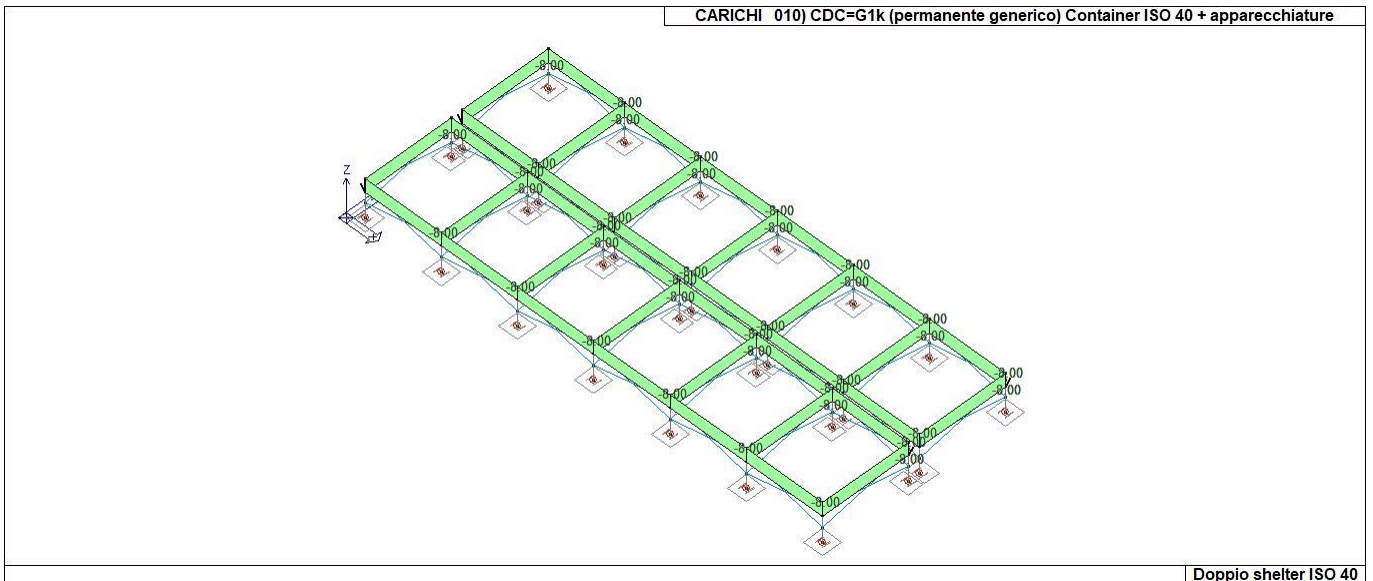
22_CDC_007_CDCEd dinamico SLD alfa00 ecc -



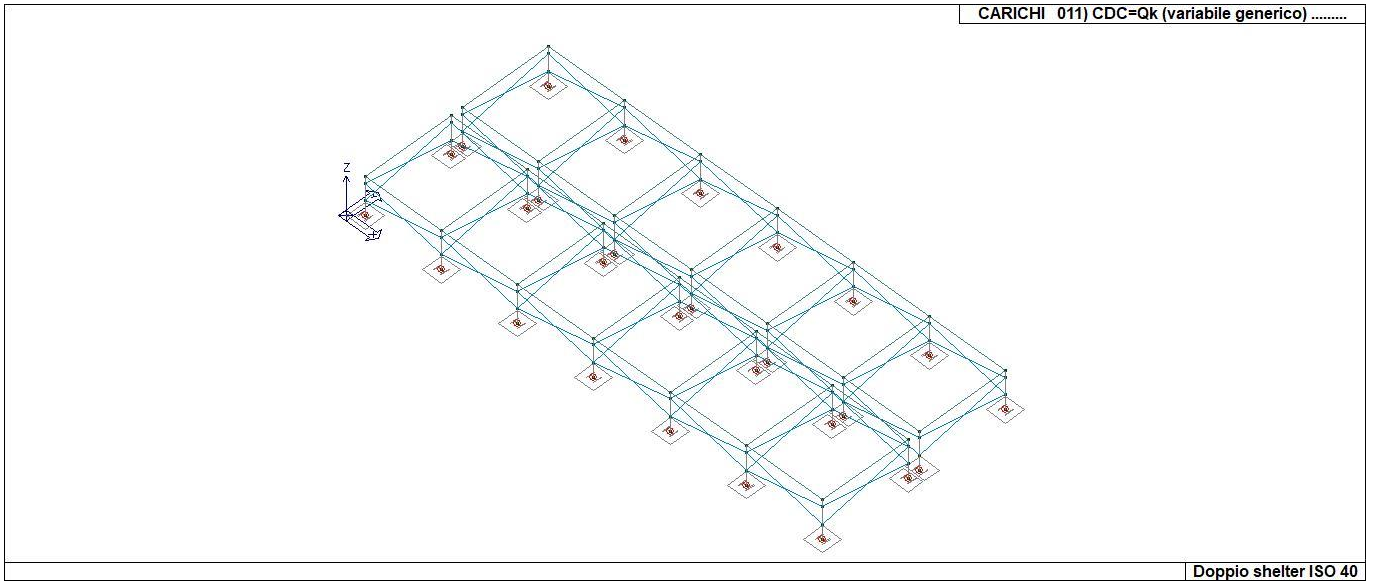
22_CDC_008_CDCEd dinamico SLD alfa9000 ecc +



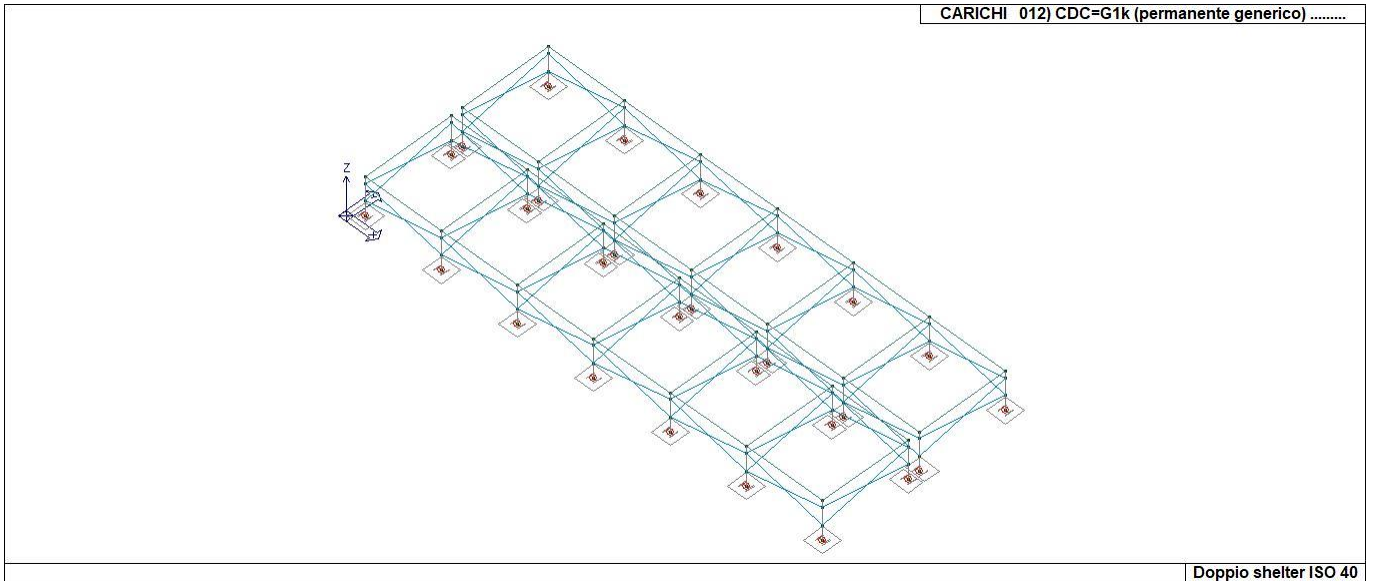
22_CDC_009_CDCEd dinamico SLD alfa9000 ecc -



22_CDC_010_CDCG1k permanente generico Container ISO 40 + apparecchiature

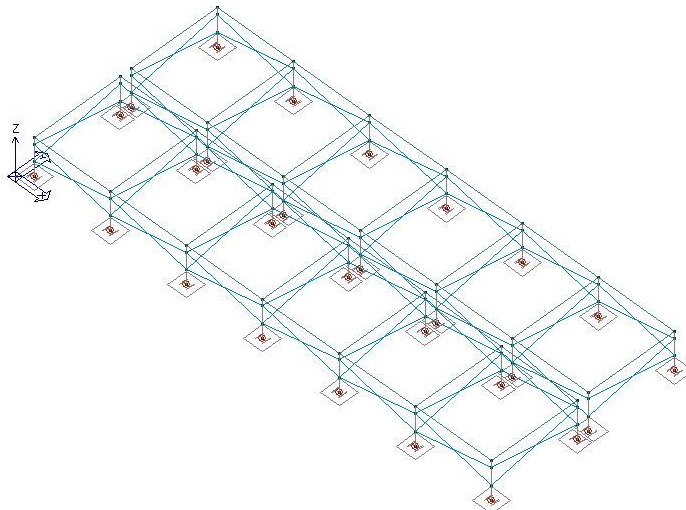


22_CDC_011_CDCQk variabile generico



22_CDC_012_CDCG1k permanente generico

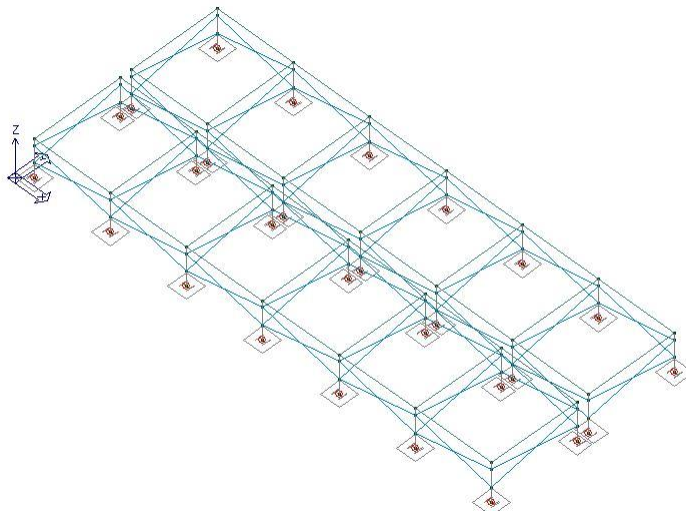
CARICHI 013) CDC=Qvk (carico da vento) dir X +



Doppio shelter ISO 40

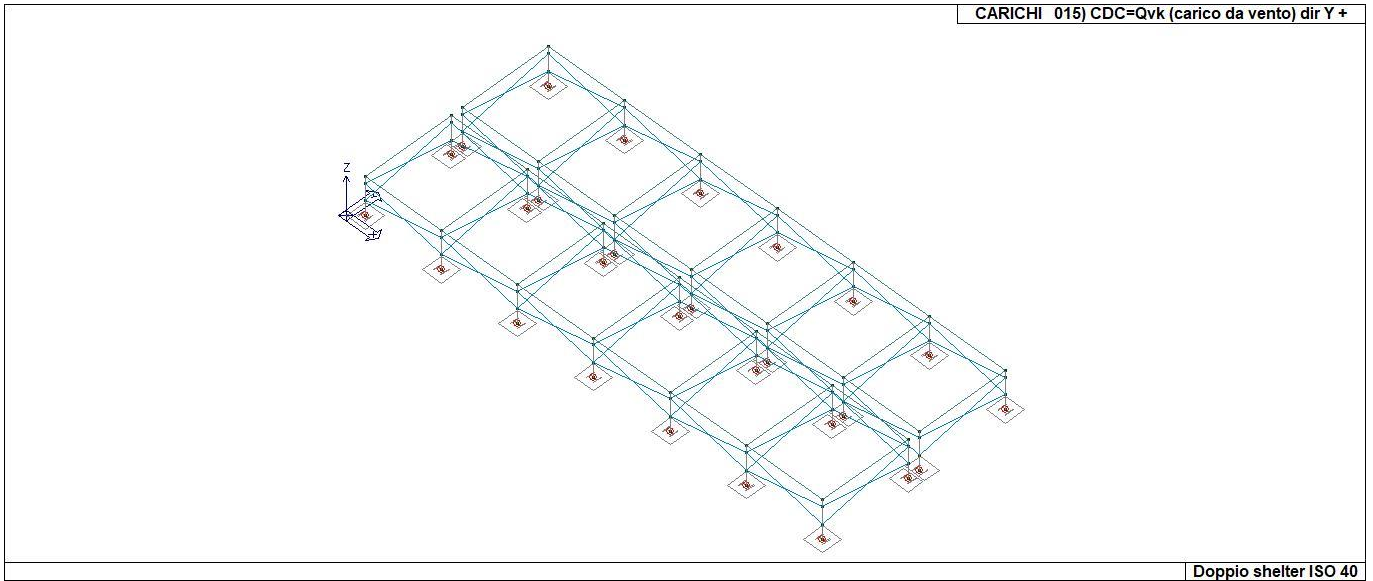
22_CDC_013_CDCQvk carico da vento dir X +

CARICHI 014) CDC=Qvk (carico da vento) dir X -

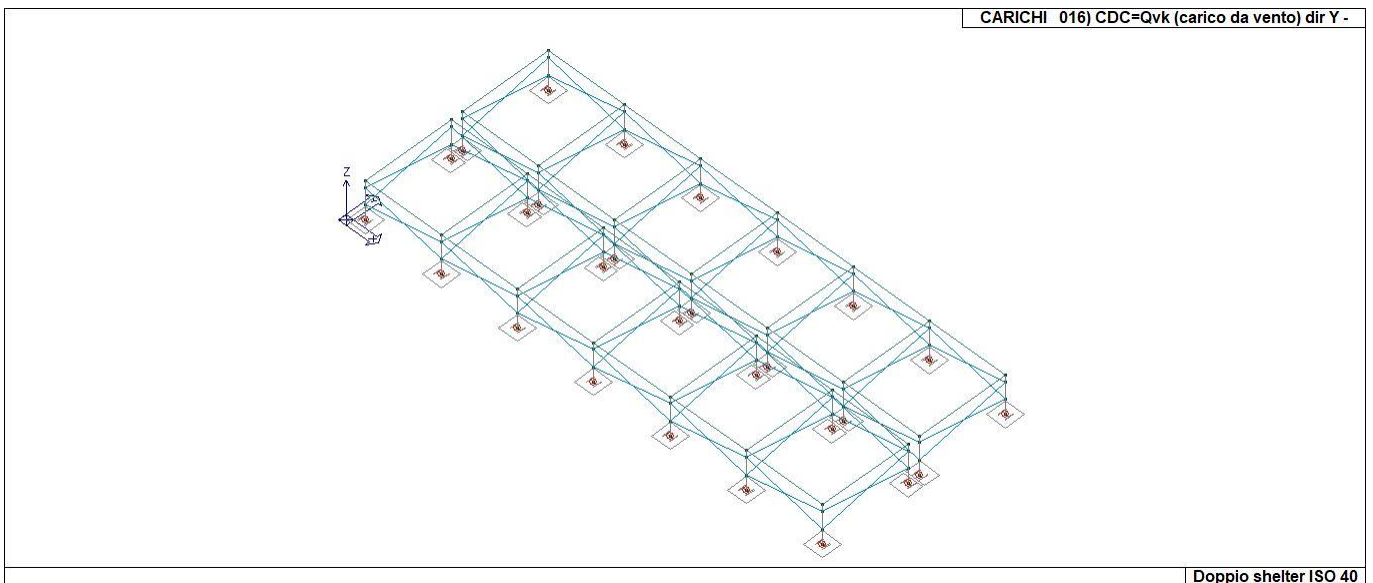


Doppio shelter ISO 40

22_CDC_014_CDCQvk carico da vento dir X -



22_CDC_015_CDCQvk carico da vento dir Y +



22_CDC_016_CDCQvk carico da vento dir Y -

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini, ...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli ≤ 30 kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30 kN)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota ≤ 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),

- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γ	EQU	A1	A2
<i>Carichi permanenti</i>	<i>Favorevoli</i>	$\gamma G1$	0,9	1,0	1,0
	<i>Sfavorevoli</i>		1,1	1,3	1,0
<i>Carichi permanenti non strutturali</i> <i>(Non compiutamente definiti)</i>	<i>Favorevoli</i>	$\gamma G2$	0,8	0,8	0,8
	<i>Sfavorevoli</i>		1,5	1,5	1,3
<i>Carichi variabili</i>	<i>Favorevoli</i>	γQi	0,0	0,0	0,0
	<i>Sfavorevoli</i>		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLE(r)	Comb. SLE(rara) 11	
12	SLE(r)	Comb. SLE(rara) 12	
13	SLE(r)	Comb. SLE(rara) 13	
14	SLE(r)	Comb. SLE(rara) 14	
15	SLE(r)	Comb. SLE(rara) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLU	Comb. SLU A1 (SLV sism.) 47	
48	SLE(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLE(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLE(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLE(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLE(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLE(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLE(sis)	Comb. SLE (SLD Danno sism.) 54	

Cmb	Tipo	Sigla Id	effetto P-delta
55	SLE(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLE(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLE(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLE(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLE(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLE(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLE(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLE(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLE(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLE(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLE(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLE(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLE(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLE(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLE(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLE(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLE(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLE(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLE(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLE(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLE(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLE(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLE(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLE(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLE(f)	Comb. SLE(freq.) 80	
81	SLU(ecc.)	Comb. SLU (Eccez.) 81	
82	SLE(p)	Comb. SLE(perm.) 82	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.30	0.0	0.0
	0.0	0.0												
2	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	1.00	0.0	0.0
	0.0	0.0												
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	1.50	0.0
	0.0	0.0												
4	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.50	0.0
	0.0	0.0												
5	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	0.0	1.50
	0.0	0.0												
6	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	1.50
	0.0	0.0												
7	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	0.0	0.0
	1.50	0.0												
8	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	1.50	0.0												
9	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.30	0.0	0.0
	0.0	1.50												
10	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	1.50												
11	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	0.0
	0.0	0.0												
12	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	1.00	0.0
	0.0	0.0												
13	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	1.00
	0.0	0.0												
14	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	1.00	0.0												
15	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	1.00												
16	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
17	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
18	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
19	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
20	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0												
21	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
22	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
23	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
24	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
25	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
26	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
27	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
28	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
29	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
30	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
31	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
32	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
33	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
34	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
35	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
36	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
37	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
38	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
39	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
40	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
41	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
42	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
43	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
44	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
45	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
46	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
47	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
48	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
49	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
50	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
51	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
52	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
53	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
54	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
55	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
56	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	0.0	1.00	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0												
57	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
58	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
59	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
60	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
61	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
62	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
63	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
64	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
65	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
66	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
67	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
68	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
69	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
70	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
71	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
72	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
73	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
74	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
75	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
76	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
77	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
78	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
79	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
80	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
81	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												
82	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
	0.0	0.0												

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

a_g : accelerazione orizzontale massima del terreno;

F_o : valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T^*c : periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

F_o è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

F_v è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno a_g su sito di riferimento rigido orizzontale

T_b è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

T_c è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

T_d è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, S_e , è definito dalle seguenti espressioni:

$$\begin{aligned}
 0 \leq T < T_B & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right] \\
 T_B \leq T < T_C & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\
 T_C \leq T < T_D & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T} \right) \\
 T_D \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)
 \end{aligned}$$

Dove per sottosuolo di categoria **A** i coefficienti S_s e C_c valgono 1; mentre per le categorie di sottosuolo **B**, **C**, **D**, **E** i coefficienti S_s e C_c vengono calcolati mediante le espressioni riportate nella seguente Tabella

Categoria sottosuolo	S_s	C_c
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_c^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_c^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_c^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_c^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, S_{ve} , è definito dalle espressioni:

$$\begin{aligned}
 0 \leq T < T_B & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right] \\
 T_B \leq T < T_C & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \\
 T_C \leq T < T_D & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right) \\
 T_D \leq T & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)
 \end{aligned}$$

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

Categoria di sottosuolo	S_s	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

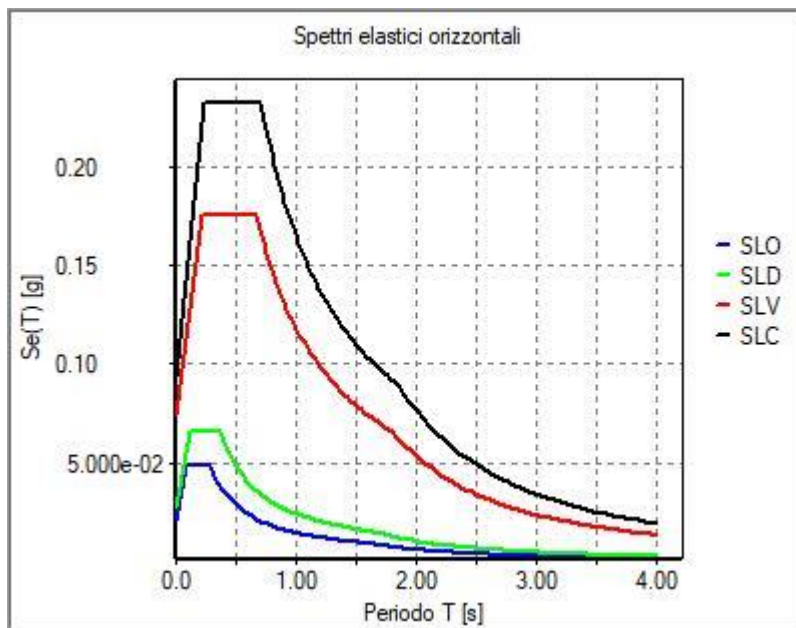
Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	18.091	40.336	
35257	18.078	40.291	5.251
35258	18.144	40.288	7.028
35036	18.147	40.338	4.687
35035	18.082	40.341	0.943

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.1	0.014	2.404	0.151
SLD	63.0	50.3	0.018	2.383	0.210
SLV	10.0	474.6	0.049	2.382	0.518

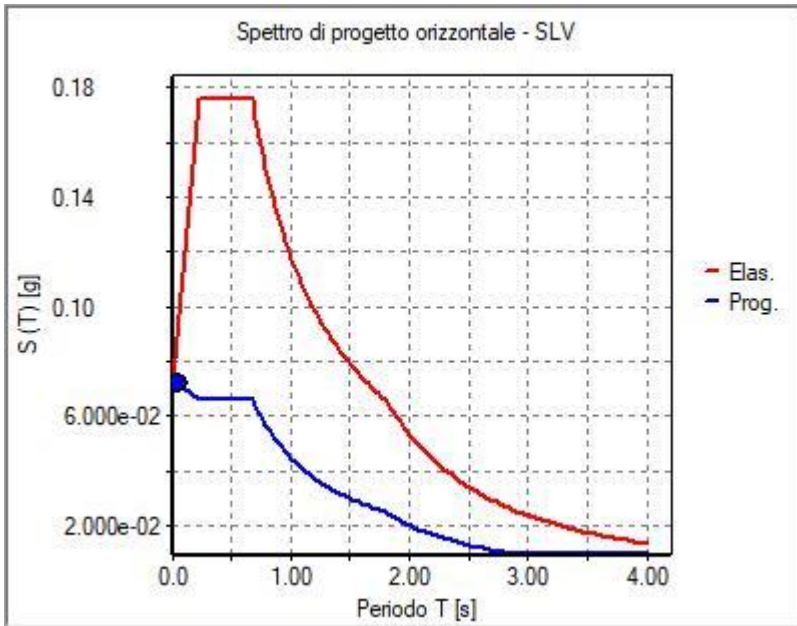
SL	Pver	Tr	ag	Fo	T*c
SLC	5.0	974.8	0.062	2.486	0.560

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.014	1.500	2.404	0.378	0.099	0.296	1.654
SLD	0.018	1.500	2.383	0.438	0.123	0.369	1.674
SLV	0.049	1.500	2.382	0.713	0.225	0.676	1.796
SLC	0.062	1.500	2.486	0.838	0.237	0.712	1.849

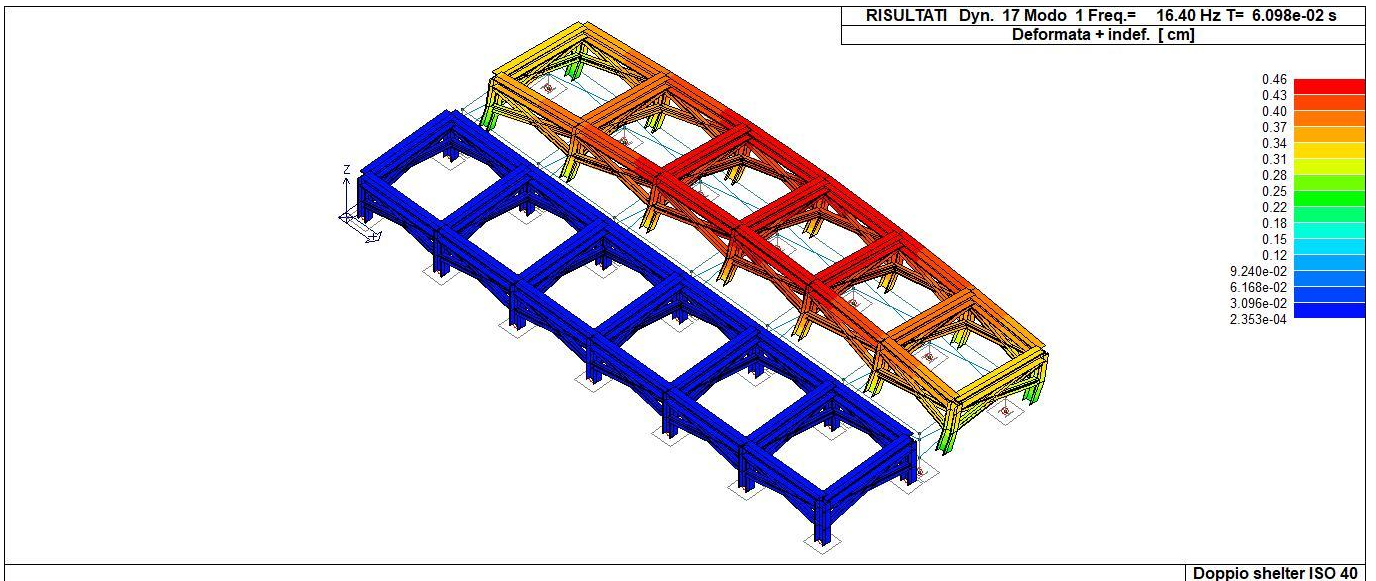
Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
	1/sec	sec	daN		daN		daN		daN cm2	
1	16.40	0.06	0.0	0	5958.2	48	4.00e-06	0	4.12e-06	0
2	16.40	0.06	0.0	0	5982.5	48	1.71e-06	0	4.46e-06	0
3	18.15	0.06	0.0	0	0.0	0	2.08e-06	0	9.118e+04	43
4	18.15	0.06	0.0	0	0.0	0	0.0	0	9.116e+04	43
5	23.15	0.04	5569.4	44	1.38e-06	0	5.17e-03	0	1.087e+04	5
6	23.15	0.04	6683.1	53	0.0	0	4.29e-05	0	9053.8	4



24_DIA_SPETTRI_ELASTICI_O

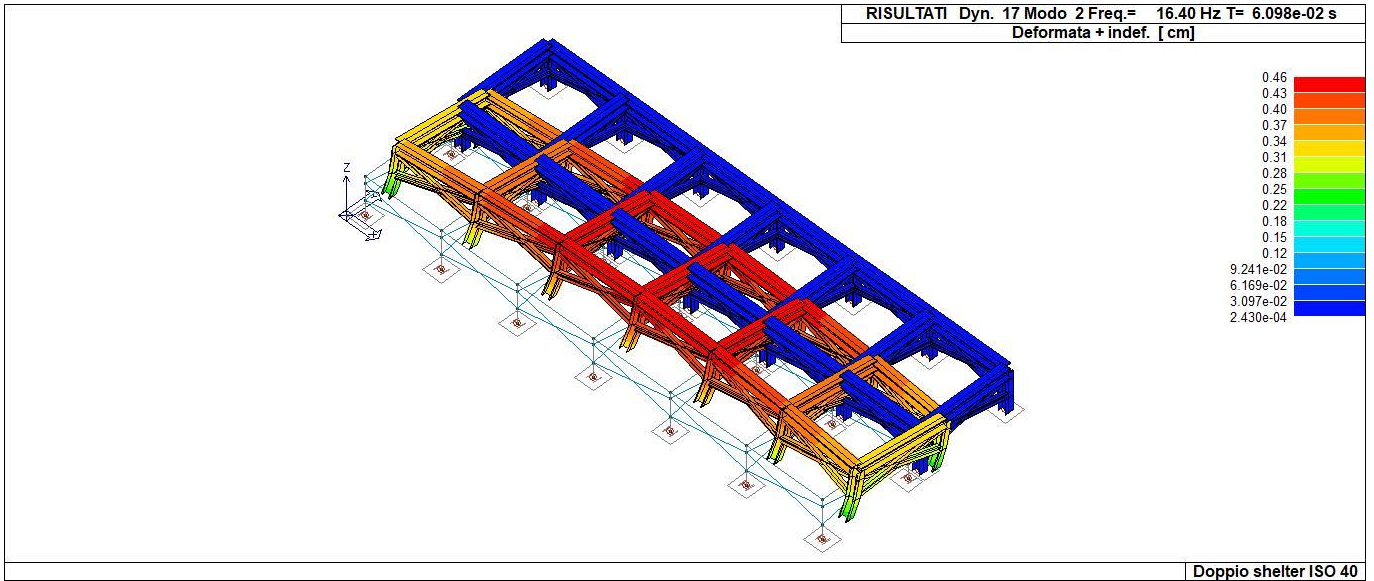


24_DIA_SPETTRI_PROGETTO_SLV_O

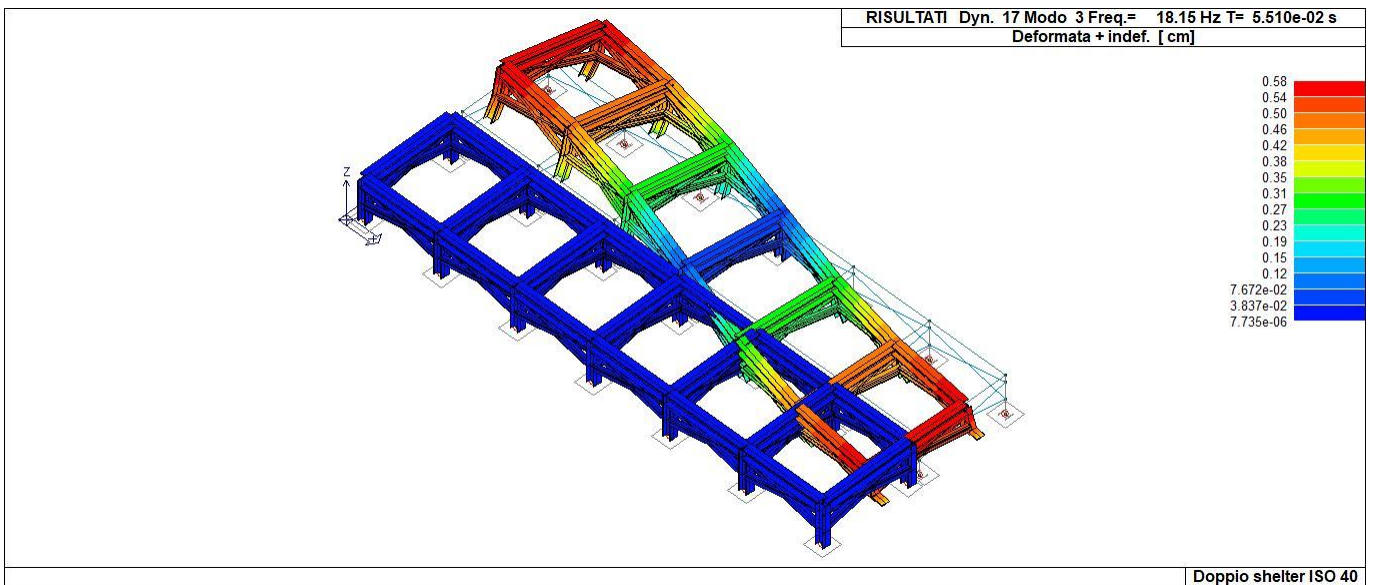


Doppio shelter ISO 40

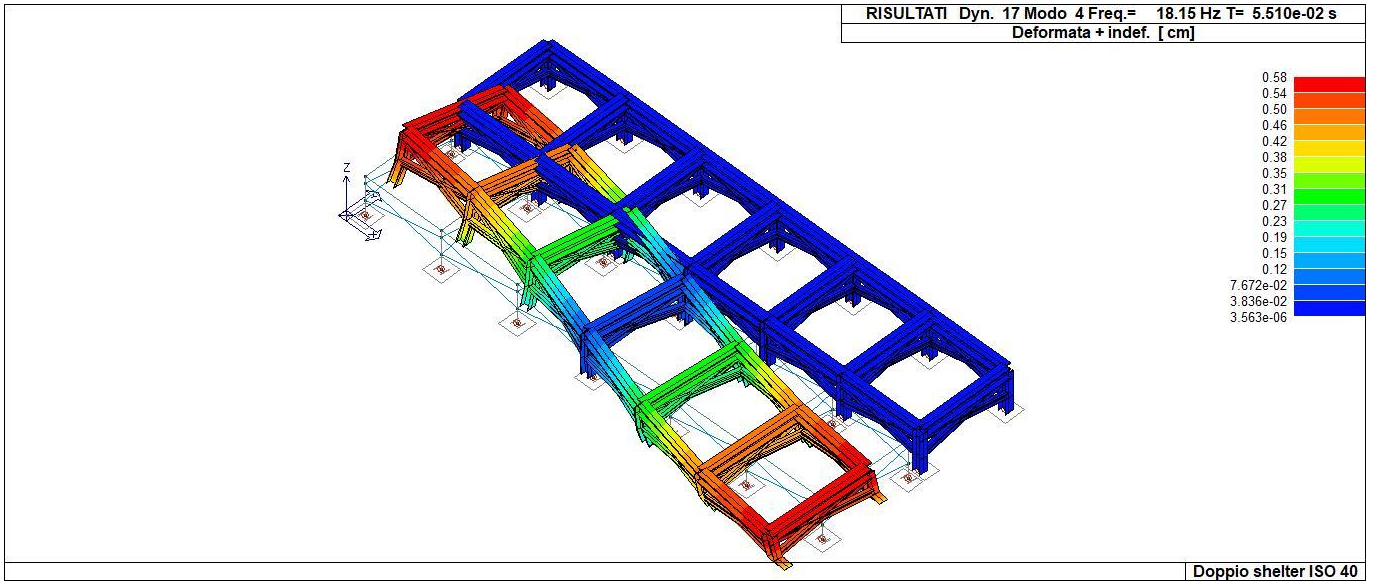
24_INPSIS_001_FORME MODALI



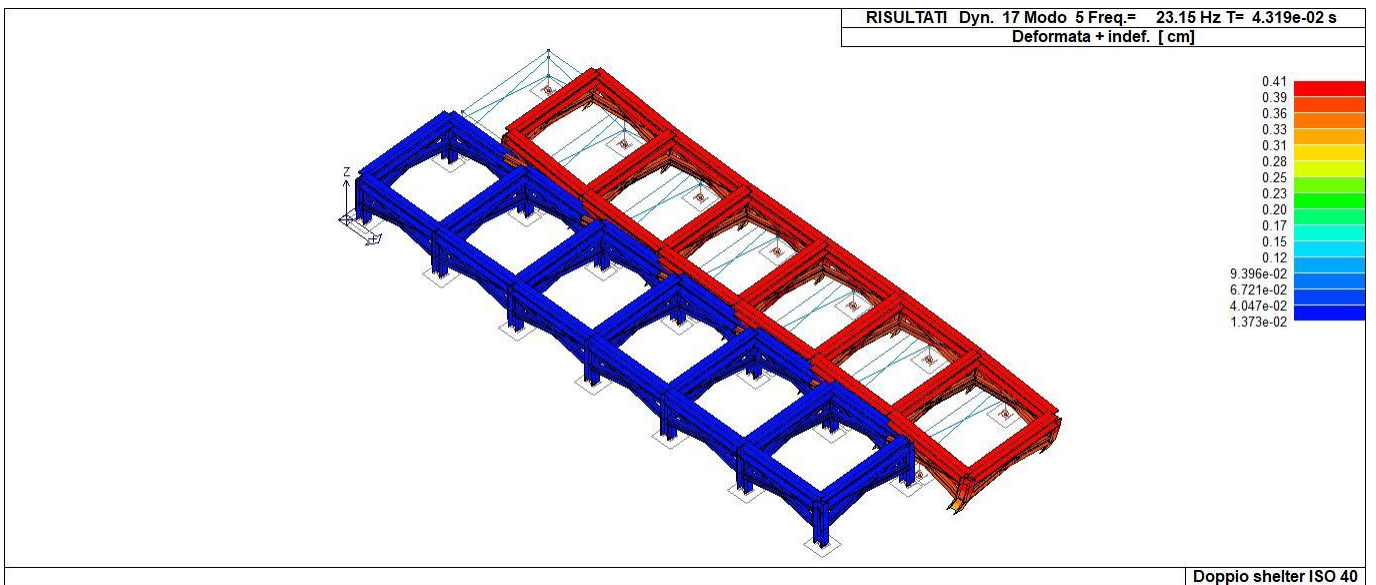
24_INPSIS_002_FORME MODALI



24_INPSIS_003_FORME MODALI

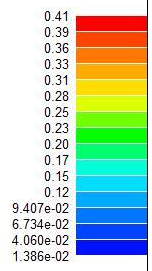
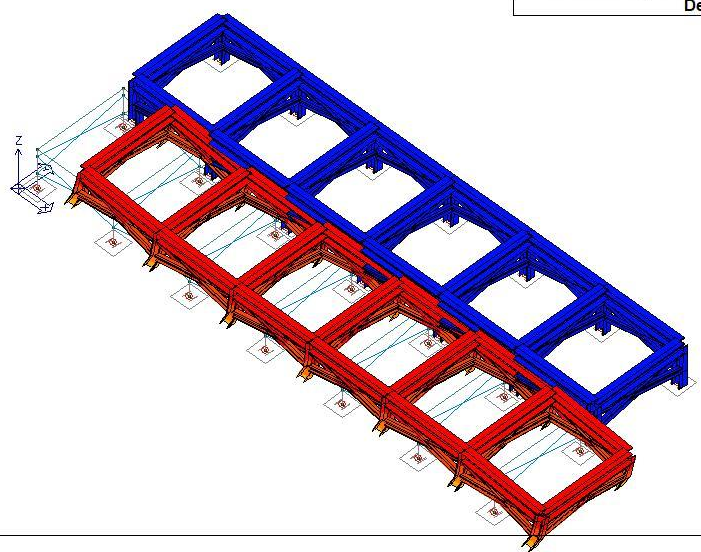


24_INPSIS_004_FORME MODALI



24_INPSIS_005_FORME MODALI

RISULTATI Dyn. 17 Modo 6 Freq.= 23.15 Hz T= 4.319e-02 s
Deformata + indef. [cm]



Doppio shelter ISO 40

24_INPSIS_006_FORME MODALI

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente

10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	di	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	di	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica		Zona sismica
Accelerazione ag		Accelerazione orizzontale massima sul suolo
Categoria suolo		Categoria di profilo stratigrafico del suolo di fondazione
Fattore q		Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND		Coefficiente di amplificazione q/q_{ND} delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S		Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD		Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore SLD	riduz.	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo T1	proprio	Periodo proprio di vibrazione della struttura
Coefficiente Lambda		Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata Sd(T1)	spettro	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata Se(T1)	spettro	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata S (Tb-Tc)	spettro	Valore dell'ordinata dello spettro in uso nel tratto costante
N° di considerati	modi	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore q_{ND} ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: $1 < q_{ND} = 2/3 * q < 1.5$

Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

- a) analisi sismica statica equivalente:
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - azione sismica complessiva
- b) analisi sismica dinamica con spettro di risposta:
 - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \epsilon_T/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per tamponature fragili, 7.5 per tamponature duttili, 10.0 per edifici con tamponamenti collegati elasticamente, 2 per edifici in muratura ordinaria, 3 per edifici in muratura armata, 2.5 per edifici in muratura confinata).

Note:

- I valori riportati sono già amplificati per un eventuale fattore q_{SLD}
- Per SLO i valori devono essere inferiori ai 2/3 dei limiti sopra citati

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
A_r	Area ridotta efficace
Dim A_2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
$\Gamma_{m,c}(a,s,t)$	Deformazioni di taglio dell' elastomero
V_{cr}	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig } s < f_{yk}$
- 3) $\Gamma_{m,t} < 5$
- 4) $\Gamma_{m,s} < \Gamma_{m,s}^*$ (caratteristica dell' elastomero)
- 5) $\Gamma_{m,s} < 2$
- 6) $V < 0.5 V_{cr}$

Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

Caratteristiche costruzione	
Tipologia	Nuova
Regolarità pianta	SI
Regolarità altezza	SI
Classe di duttilità	CD"B"
Sistema costruttivo	Acciaio o composto acciaio-calcestruzzo
Tipologia strutturale	Altre tipologie

Parametri	
q_0	2.652
K_R	1.0
$q_D = q_0 \cdot K_R$	2.652

Fattori di comportamento	
	Dissipativi
q SLU x	2.652
q SLU y	2.652
q SLU z	1.500

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.046 s
			fattore q: 2.652
			amplificazione ND (non dissipativi): 1.768
			fattore per spost. mu d: 9.260
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.398	0.061	0.072	0.0	0.0	5970.45	48.2	0.0	0.0	0.0	0.0
2	16.398	0.061	0.072	0.0	0.0	5970.24	48.2	0.0	0.0	0.0	0.0
3	18.117	0.055	0.072	15.56	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4	18.172	0.055	0.072	6.99	5.64e-02	0.0	0.0	0.0	0.0	0.0	0.0
5	21.977	0.046	0.072	6733.06	54.3	0.0	0.0	2.69e-05	0.0	0.0	0.0
6	23.671	0.042	0.072	0.0	0.0	63.04	0.5	1.26e-04	1.02e-06	0.0	0.0
7	23.671	0.042	0.072	1.59e-05	0.0	77.12	0.6	7.96e-04	6.43e-06	0.0	0.0
8	24.369	0.041	0.072	5406.45	43.6	1.06e-06	0.0	1.02e-03	8.26e-06	0.0	0.0
9	28.802	0.035	0.072	22.46	0.2	8.85e-06	0.0	1.40e-03	1.13e-05	0.0	0.0
Risulta				1.218e+04		1.208e+04		3.37e-03			
In percentuale				98.35		97.51		2.72e-05			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.046 s
			fattore q: 2.652
			amplificazione ND (non dissipativi): 1.768
			fattore per spost. mu d: 9.260
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.398	0.061	0.072	0.0	0.0	5955.32	48.1	5.98e-06	0.0	0.0	0.0
2	16.398	0.061	0.072	0.0	0.0	5985.40	48.3	1.78e-06	0.0	0.0	0.0
3	18.116	0.055	0.072	15.57	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4	18.172	0.055	0.072	6.98	5.64e-02	0.0	0.0	5.48e-06	0.0	0.0	0.0
5	21.976	0.046	0.072	6733.35	54.3	5.06e-06	0.0	1.65e-03	1.33e-05	0.0	0.0
6	23.670	0.042	0.072	0.0	0.0	68.03	0.5	4.16e-04	3.36e-06	0.0	0.0
7	23.672	0.042	0.072	1.45e-05	0.0	72.20	0.6	1.12e-03	9.04e-06	0.0	0.0
8	24.370	0.041	0.072	5406.85	43.6	3.28e-05	0.0	1.59e-03	1.29e-05	0.0	0.0
9	28.800	0.035	0.072	22.48	0.2	1.25e-05	0.0	5.01e-04	4.04e-06	0.0	0.0
Risulta				1.219e+04		1.208e+04		5.29e-03			
In percentuale				98.35		97.51		4.27e-05			

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.063 s
			fattore q: 2.652
			amplificazione ND (non dissipativi): 1.768
			fattore per spost. mu d: 9.260
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.3233e-05

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
39.00	2901.32	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	15.882	0.063	0.072	0.0	0.0	5094.20	41.1	0.0	0.0	0.0	0.0
2	15.883	0.063	0.072	0.0	0.0	5098.18	41.2	0.0	0.0	0.0	0.0
3	18.642	0.054	0.072	0.0	0.0	823.97	6.7	1.97e-05	0.0	0.0	0.0
4	18.642	0.054	0.072	0.0	0.0	824.81	6.7	1.82e-06	0.0	0.0	0.0
5	23.153	0.043	0.072	5855.45	47.3	0.0	0.0	5.51e-04	4.45e-06	0.0	0.0
6	23.154	0.043	0.072	6396.88	51.6	1.29e-06	0.0	5.33e-05	0.0	0.0	0.0
7	23.959	0.042	0.072	6.08e-06	0.0	112.16	0.9	3.27e-04	2.64e-06	0.0	0.0
8	23.960	0.042	0.072	8.98e-05	0.0	121.59	1.0	3.87e-03	3.12e-05	0.0	0.0
9	29.239	0.034	0.073	3.68e-05	0.0	1.03	8.34e-03	3.72e-03	3.00e-05	0.0	0.0
Risulta				1.225e+04		1.208e+04		8.54e-03			
In percentuale				98.90		97.47		6.89e-05			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.063 s
			fattore q: 2.652
			amplificazione ND (non dissipativi): 1.768
			fattore per spost. mu d: 9.260
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	15.882	0.063	0.072	0.0	0.0	5099.37	41.2	0.0	0.0	0.0	0.0
2	15.883	0.063	0.072	0.0	0.0	5093.05	41.1	0.0	0.0	0.0	0.0
3	18.642	0.054	0.072	0.0	0.0	824.11	6.7	0.0	0.0	0.0	0.0
4	18.642	0.054	0.072	0.0	0.0	824.61	6.7	0.0	0.0	0.0	0.0
5	23.153	0.043	0.072	5476.17	44.2	0.0	0.0	2.17e-04	1.76e-06	0.0	0.0
6	23.154	0.043	0.072	6776.44	54.7	2.54e-06	0.0	1.03e-03	8.35e-06	0.0	0.0
7	23.959	0.042	0.072	3.42e-05	0.0	116.33	0.9	5.60e-04	4.52e-06	0.0	0.0
8	23.960	0.042	0.072	5.20e-06	0.0	117.29	0.9	1.74e-05	0.0	0.0	0.0
9	29.240	0.034	0.073	2.03e-05	0.0	2.52	2.04e-02	2.93e-03	2.36e-05	0.0	0.0
Risulta				1.225e+04		1.208e+04		4.76e-03			
In percentuale				98.90		97.48		3.84e-05			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.046 s
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	0.0	-24.00	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.398	0.061	0.047	0.0	0.0	5970.45	48.2	0.0	0.0	0.0	0.0
2	16.398	0.061	0.047	0.0	0.0	5970.24	48.2	0.0	0.0	0.0	0.0
3	18.117	0.055	0.045	15.56	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4	18.172	0.055	0.045	6.99	5.64e-02	0.0	0.0	0.0	0.0	0.0	0.0
5	21.977	0.046	0.042	6733.06	54.3	0.0	0.0	2.69e-05	0.0	0.0	0.0
6	23.671	0.042	0.041	0.0	0.0	63.04	0.5	1.26e-04	1.02e-06	0.0	0.0
7	23.671	0.042	0.041	1.59e-05	0.0	77.12	0.6	7.96e-04	6.43e-06	0.0	0.0
8	24.369	0.041	0.041	5406.45	43.6	1.06e-06	0.0	1.02e-03	8.26e-06	0.0	0.0
9	28.802	0.035	0.039	22.46	0.2	8.85e-06	0.0	1.40e-03	1.13e-05	0.0	0.0
Risulta				1.218e+04		1.208e+04		3.37e-03			
In percentuale				98.35		97.51		2.72e-05			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.046 s
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	0.0	24.00	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.398	0.061	0.047	0.0	0.0	5955.32	48.1	5.98e-06	0.0	0.0	0.0
2	16.398	0.061	0.047	0.0	0.0	5985.40	48.3	1.78e-06	0.0	0.0	0.0
3	18.116	0.055	0.045	15.57	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4	18.172	0.055	0.045	6.98	5.64e-02	0.0	0.0	5.48e-06	0.0	0.0	0.0
5	21.976	0.046	0.042	6733.35	54.3	5.06e-06	0.0	1.65e-03	1.33e-05	0.0	0.0
6	23.670	0.042	0.041	0.0	0.0	68.03	0.5	4.16e-04	3.36e-06	0.0	0.0
7	23.672	0.042	0.041	1.45e-05	0.0	72.20	0.6	1.12e-03	9.04e-06	0.0	0.0
8	24.370	0.041	0.041	5406.85	43.6	3.28e-05	0.0	1.59e-03	1.29e-05	0.0	0.0
9	28.800	0.035	0.039	22.48	0.2	1.25e-05	0.0	5.01e-04	4.04e-06	0.0	0.0
Risulta				1.219e+04		1.208e+04		5.29e-03			
In percentuale				98.35		97.51		4.27e-05			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.063 s
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	59.94	0.0	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	15.882	0.063	0.047	0.0	0.0	5094.20	41.1	0.0	0.0	0.0	0.0
2	15.883	0.063	0.047	0.0	0.0	5098.18	41.2	0.0	0.0	0.0	0.0
3	18.642	0.054	0.044	0.0	0.0	823.97	6.7	1.97e-05	0.0	0.0	0.0
4	18.642	0.054	0.044	0.0	0.0	824.81	6.7	1.82e-06	0.0	0.0	0.0
5	23.153	0.043	0.041	5855.45	47.3	0.0	0.0	5.51e-04	4.45e-06	0.0	0.0
6	23.154	0.043	0.041	6396.88	51.6	1.29e-06	0.0	5.33e-05	0.0	0.0	0.0
7	23.959	0.042	0.041	6.08e-06	0.0	112.16	0.9	3.27e-04	2.64e-06	0.0	0.0
8	23.960	0.042	0.041	8.98e-05	0.0	121.59	1.0	3.87e-03	3.12e-05	0.0	0.0
9	29.239	0.034	0.038	3.68e-05	0.0	1.03	8.34e-03	3.72e-03	3.00e-05	0.0	0.0
Risulta				1.225e+04		1.208e+04		8.54e-03			
In percentuale				98.90		97.47		6.89e-05			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.066 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.063 s
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
103.00	6766.67	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.6933e-05
85.00	2721.07	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.3233e-05
39.00	2901.32	624.42	265.01	-59.94	0.0	624.42	265.00	0.612	0.0	1.2411e-05
Risulta	1.239e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	15.882	0.063	0.047	0.0	0.0	5099.37	41.2	0.0	0.0	0.0	0.0
2	15.883	0.063	0.047	0.0	0.0	5093.05	41.1	0.0	0.0	0.0	0.0
3	18.642	0.054	0.044	0.0	0.0	824.11	6.7	0.0	0.0	0.0	0.0
4	18.642	0.054	0.044	0.0	0.0	824.61	6.7	0.0	0.0	0.0	0.0
5	23.153	0.043	0.041	5476.17	44.2	0.0	0.0	2.17e-04	1.76e-06	0.0	0.0
6	23.154	0.043	0.041	6776.44	54.7	2.54e-06	0.0	1.03e-03	8.35e-06	0.0	0.0
7	23.959	0.042	0.041	3.42e-05	0.0	116.33	0.9	5.60e-04	4.52e-06	0.0	0.0
8	23.960	0.042	0.041	5.20e-06	0.0	117.29	0.9	1.74e-05	0.0	0.0	0.0
9	29.240	0.034	0.038	2.03e-05	0.0	2.52	2.04e-02	2.93e-03	2.36e-05	0.0	0.0
Risulta				1.225e+04		1.208e+04		4.76e-03			
In percentuale				98.90		97.48		3.84e-05			

Cmb inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT
		cm	cm		cm	cm		
48	1	0.031.17e-03	39.0	2	0.028.64e-04	46.0	3	0.101.75e-03
18.0	4	0.031.17e-03	39.0	5	6.15e-032.83e-04	46.0	6	0.111.93e-03
18.0	7	0.031.11e-03	39.0	8	3.97e-031.82e-04	46.0	9	0.101.78e-03
18.0	10	0.031.10e-03	39.0	11	0.029.49e-04	46.0	12	0.111.92e-03
18.0	13	0.026.40e-04	39.0	14	0.042.06e-03	46.0	15	0.061.11e-03
18.0	16	0.031.06e-03	39.0	17	0.041.69e-03	46.0	18	0.071.24e-03
18.0	19	0.039.82e-04	39.0	20	0.031.59e-03	46.0	21	0.071.19e-03
18.0	22	0.039.97e-04	39.0	23	0.027.70e-04	46.0	24	0.071.23e-03
18.0	25	0.015.50e-04	39.0	26	0.027.11e-04	46.0	27	0.069.93e-04
18.0	28	0.026.65e-04	39.0	29	0.027.56e-04	46.0	30	0.059.52e-04
18.0	31	0.014.82e-04	39.0	32	0.016.89e-04	46.0	33	0.069.94e-04
18.0	34	0.026.20e-04	39.0	35	0.027.37e-04	46.0	36	0.059.51e-04
18.0	37	8.89e-033.47e-04	39.0	38	2.85e-031.31e-04	46.0	39	0.059.58e-04
18.0	40	0.026.20e-04	39.0	41	7.59e-033.49e-04	46.0	42	0.058.96e-04
18.0	43	7.16e-032.79e-04	39.0	44	2.58e-031.19e-04	46.0	45	0.059.59e-04
18.0	46	0.025.91e-04	39.0	47	7.49e-033.45e-04	46.0	48	0.058.96e-04
18.0	49	4.18e-031.63e-04	39.0	50	0.014.99e-04	46.0	51	0.061.01e-03
18.0	52	0.026.40e-04	39.0	53	0.016.26e-04	46.0	54	0.059.28e-04

18.0	55	2.43e-03	9.46e-05	39.0	56	0.015	2.20e-04	46.0	57	0.061	1.01e-03	
18.0	58	0.026	2.28e-04	39.0	59	0.016	4.41e-04	46.0	60	0.059	9.29e-04	
18.0	61	8.44e-03	3.29e-04	39.0	62	0.041	7.79e-03	46.0	63	0.071	1.25e-03	
18.0	64	0.027	7.73e-04	39.0	65	0.041	8.5e-03	46.0	66	0.071	1.18e-03	
18.0	67	0.013	9.7e-04	39.0	68	0.041	8.2e-03	46.0	69	0.071	1.25e-03	
18.0	70	0.028	0.2e-04	39.0	71	0.041	8.7e-03	46.0	72	0.071	1.19e-03	
18.0	73	0.013	9.0e-04	39.0	74	0.062	5.5e-03	46.0	75	0.101	1.88e-03	
18.0	76	0.028	1.7e-04	39.0	77	0.062	6.1e-03	46.0	78	0.101	1.84e-03	
18.0	79	0.014	6.5e-04	39.0	80	0.062	5.9e-03	46.0	81	0.101	1.89e-03	
18.0	82	0.028	5.1e-04	39.0	83	0.062	6.5e-03	46.0	84	0.101	1.85e-03	
18.0	49	1	0.031	1.24e-03	39.0	2	0.016	0.2e-04	46.0	3	0.111	1.92e-03
18.0	4	0.031	1.13e-03	39.0	5	8.59e-03	3.95e-04	46.0	6	0.111	1.94e-03	
18.0	7	0.031	1.16e-03	39.0	8	0.014	9.1e-04	46.0	9	0.111	1.92e-03	
18.0	10	0.031	0.6e-03	39.0	11	0.015	9.2e-04	46.0	12	0.111	1.93e-03	
18.0	13	0.031	0.7e-03	39.0	14	0.052	0.09e-03	46.0	15	0.071	1.23e-03	
18.0	16	0.031	0.0e-03	39.0	17	0.042	0.01e-03	46.0	18	0.071	1.27e-03	
18.0	19	0.031	0.7e-03	39.0	20	0.031	2.29e-03	46.0	21	0.071	1.23e-03	
18.0	22	0.029	3.1e-04	39.0	23	0.021	1.07e-03	46.0	24	0.071	1.26e-03	
18.0	25	0.027	4.3e-04	39.0	26	0.027	8.0e-04	46.0	27	0.059	9.46e-04	
18.0	28	0.015	0.0e-04	39.0	29	0.026	9.2e-04	46.0	30	0.069	9.99e-04	
18.0	31	0.026	9.4e-04	39.0	32	0.027	6.0e-04	46.0	33	0.059	9.47e-04	
18.0	34	0.014	2.9e-04	39.0	35	0.016	7.2e-04	46.0	36	0.069	9.98e-04	
18.0	37	0.026	3.8e-04	39.0	38	7.67e-03	3.53e-04	46.0	39	0.058	9.96e-04	
18.0	40	7.94e-03	3.10e-04	39.0	41	2.65e-03	1.22e-04	46.0	42	0.059	5.8e-04	
18.0	43	0.026	0.6e-04	39.0	44	7.57e-03	3.48e-04	46.0	45	0.058	9.96e-04	
18.0	46	6.14e-03	2.39e-04	39.0	47	2.41e-03	1.11e-04	46.0	48	0.059	5.9e-04	
18.0	49	0.015	7.7e-04	39.0	50	0.015	9.7e-04	46.0	51	0.059	3.4e-04	
18.0	52	3.34e-03	1.30e-04	39.0	53	0.015	1.16e-04	46.0	54	0.061	1.00e-03	
18.0	55	0.015	6.9e-04	39.0	56	0.016	1.16e-04	46.0	57	0.059	3.4e-04	
18.0	58	1.62e-03	6.30e-05	39.0	59	0.015	3.37e-04	46.0	60	0.061	1.00e-03	
18.0	61	0.026	7.0e-04	39.0	62	0.041	8.3e-03	46.0	63	0.071	1.19e-03	
18.0	64	9.22e-03	3.60e-04	39.0	65	0.041	8.1e-03	46.0	66	0.071	1.24e-03	
18.0	67	0.027	2.0e-04	39.0	68	0.041	8.5e-03	46.0	69	0.071	1.19e-03	
18.0	70	0.014	3.3e-04	39.0	71	0.041	8.4e-03	46.0	72	0.071	1.25e-03	
18.0	73	0.027	1.3e-04	39.0	74	0.062	5.8e-03	46.0	75	0.101	1.84e-03	
18.0	76	0.014	2.5e-04	39.0	77	0.062	5.7e-03	46.0	78	0.101	1.88e-03	
18.0	79	0.027	7.4e-04	39.0	80	0.062	6.3e-03	46.0	81	0.101	1.85e-03	
18.0	82	0.015	0.6e-04	39.0	83	0.062	6.1e-03	46.0	84	0.101	1.89e-03	

50	1	0.014.30e-04	39.0	2	0.062.56e-03	46.0	3	0.101.87e-03
18.0								
	4	0.026.41e-04	39.0	5	0.062.59e-03	46.0	6	0.101.85e-03
18.0								
	7	0.015.09e-04	39.0	8	0.062.60e-03	46.0	9	0.101.87e-03
18.0								
	10	0.026.86e-04	39.0	11	0.062.63e-03	46.0	12	0.101.86e-03
18.0								
	13	9.12e-033.56e-04	39.0	14	0.041.79e-03	46.0	15	0.071.23e-03
18.0								
	16	0.026.22e-04	39.0	17	0.041.84e-03	46.0	18	0.071.20e-03
18.0								
	19	0.014.28e-04	39.0	20	0.041.82e-03	46.0	21	0.071.24e-03
18.0								
	22	0.026.58e-04	39.0	23	0.041.86e-03	46.0	24	0.071.20e-03
18.0								
	25	3.95e-031.54e-04	39.0	26	0.014.98e-04	46.0	27	0.069.93e-04
18.0								
	28	0.015.52e-04	39.0	29	0.016.07e-04	46.0	30	0.059.40e-04
18.0								
	31	2.55e-039.95e-05	39.0	32	0.015.20e-04	46.0	33	0.069.94e-04
18.0								
	34	0.015.35e-04	39.0	35	0.016.24e-04	46.0	36	0.059.42e-04
18.0								
	37	8.40e-033.28e-04	39.0	38	3.01e-031.38e-04	46.0	39	0.059.59e-04
18.0								
	40	0.026.29e-04	39.0	41	7.54e-033.47e-04	46.0	42	0.058.96e-04
18.0								
	43	6.68e-032.61e-04	39.0	44	2.72e-031.25e-04	46.0	45	0.059.59e-04
18.0								
	46	0.025.98e-04	39.0	47	7.46e-033.43e-04	46.0	48	0.058.96e-04
18.0								
	49	0.015.15e-04	39.0	50	0.027.12e-04	46.0	51	0.061.01e-03
18.0								
	52	0.027.47e-04	39.0	53	0.027.67e-04	46.0	54	0.059.40e-04
18.0								
	55	0.014.46e-04	39.0	56	0.026.90e-04	46.0	57	0.061.01e-03
18.0								
	58	0.027.06e-04	39.0	59	0.027.49e-04	46.0	60	0.059.39e-04
18.0								
	61	0.029.31e-04	39.0	62	0.042.07e-03	46.0	63	0.071.28e-03
18.0								
	64	0.031.15e-03	39.0	65	0.042.03e-03	46.0	66	0.071.22e-03
18.0								
	67	0.029.44e-04	39.0	68	0.031.26e-03	46.0	69	0.071.27e-03
18.0								
	70	0.031.10e-03	39.0	71	0.021.11e-03	46.0	72	0.071.22e-03
18.0								
	73	0.031.14e-03	39.0	74	0.015.23e-04	46.0	75	0.111.95e-03
18.0								
	76	0.031.27e-03	39.0	77	0.015.18e-04	46.0	78	0.111.92e-03
18.0								
	79	0.031.06e-03	39.0	80	8.31e-033.82e-04	46.0	81	0.111.94e-03
18.0								
	82	0.031.21e-03	39.0	83	0.026.91e-04	46.0	84	0.111.91e-03
18.0								
51	1	0.015.42e-04	39.0	2	0.062.57e-03	46.0	3	0.101.85e-03
18.0								
	4	0.014.59e-04	39.0	5	0.062.58e-03	46.0	6	0.091.66e-03
18.0								
	7	0.026.11e-04	39.0	8	0.062.61e-03	46.0	9	0.101.86e-03
18.0								
	10	0.015.72e-04	39.0	11	0.062.62e-03	46.0	12	0.101.72e-03
18.0								
	13	0.015.21e-04	39.0	14	0.041.82e-03	46.0	15	0.071.20e-03
18.0								
	16	0.014.26e-04	39.0	17	0.041.80e-03	46.0	18	0.061.07e-03
18.0								
	19	0.015.77e-04	39.0	20	0.041.84e-03	46.0	21	0.071.21e-03
18.0								
	22	0.014.89e-04	39.0	23	0.041.83e-03	46.0	24	0.061.16e-03
18.0								
	25	0.014.92e-04	39.0	26	0.015.80e-04	46.0	27	0.059.46e-04
18.0								
	28	4.39e-031.71e-04	39.0	29	0.015.18e-04	46.0	30	0.059.87e-04
18.0								

18.0	31	0.014.79e-04	39.0	32	0.016.00e-04	46.0	33	0.059.46e-04	
18.0	34	3.46e-031.35e-04	39.0	35	0.015.38e-04	46.0	36	0.059.89e-04	
18.0	37	0.026.48e-04	39.0	38	7.61e-033.50e-04	46.0	39	0.058.96e-04	
18.0	40	7.46e-032.91e-04	39.0	41	2.79e-031.28e-04	46.0	42	0.059.59e-04	
18.0	43	0.026.15e-04	39.0	44	7.51e-033.46e-04	46.0	45	0.058.96e-04	
18.0	46	5.66e-032.21e-04	39.0	47	2.53e-031.16e-04	46.0	48	0.059.59e-04	
18.0	49	0.028.27e-04	39.0	50	0.027.93e-04	46.0	51	0.059.34e-04	
18.0	52	0.014.77e-04	39.0	53	0.026.95e-04	46.0	54	0.061.01e-03	
18.0	55	0.027.80e-04	39.0	56	0.027.73e-04	46.0	57	0.059.34e-04	
18.0	58	0.014.04e-04	39.0	59	0.016.74e-04	46.0	60	0.061.01e-03	
18.0	61	0.029.13e-04	39.0	62	0.052.10e-03	46.0	63	0.071.22e-03	
18.0	64	0.039.80e-04	39.0	65	0.041.67e-03	46.0	66	0.071.28e-03	
18.0	67	0.031.17e-03	39.0	68	0.041.64e-03	46.0	69	0.071.21e-03	
18.0	70	0.029.05e-04	39.0	71	0.027.23e-04	46.0	72	0.071.28e-03	
18.0	73	0.031.35e-03	39.0	74	0.029.34e-04	46.0	75	0.111.91e-03	
18.0	76	0.031.10e-03	39.0	77	1.54e-037.08e-05	46.0	78	0.111.95e-03	
18.0	79	0.031.28e-03	39.0	80	8.95e-034.12e-04	46.0	81	0.111.91e-03	
18.0	82	0.031.02e-03	39.0	83	0.029.01e-04	46.0	84	0.111.94e-03	
18.0	52	1	0.031.14e-03	39.0	2	0.015.23e-04	46.0	3	0.111.95e-03
18.0	4	0.031.27e-03	39.0	5	0.015.18e-04	46.0	6	0.111.92e-03	
18.0	7	0.031.06e-03	39.0	8	8.31e-033.82e-04	46.0	9	0.111.94e-03	
18.0	10	0.031.21e-03	39.0	11	0.026.91e-04	46.0	12	0.111.91e-03	
18.0	13	0.029.31e-04	39.0	14	0.042.07e-03	46.0	15	0.071.28e-03	
18.0	16	0.031.15e-03	39.0	17	0.042.03e-03	46.0	18	0.071.22e-03	
18.0	19	0.029.44e-04	39.0	20	0.031.26e-03	46.0	21	0.071.27e-03	
18.0	22	0.031.10e-03	39.0	23	0.021.12e-03	46.0	24	0.071.22e-03	
18.0	25	0.015.15e-04	39.0	26	0.027.12e-04	46.0	27	0.061.01e-03	
18.0	28	0.027.47e-04	39.0	29	0.027.67e-04	46.0	30	0.059.40e-04	
18.0	31	0.014.46e-04	39.0	32	0.026.90e-04	46.0	33	0.061.01e-03	
18.0	34	0.027.06e-04	39.0	35	0.027.49e-04	46.0	36	0.059.39e-04	
18.0	37	8.40e-033.28e-04	39.0	38	3.01e-031.38e-04	46.0	39	0.059.59e-04	
18.0	40	0.026.29e-04	39.0	41	7.54e-033.47e-04	46.0	42	0.058.96e-04	
18.0	43	6.68e-032.61e-04	39.0	44	2.72e-031.25e-04	46.0	45	0.059.59e-04	
18.0	46	0.025.98e-04	39.0	47	7.45e-033.43e-04	46.0	48	0.058.96e-04	
18.0	49	3.95e-031.54e-04	39.0	50	0.014.98e-04	46.0	51	0.069.93e-04	
18.0	52	0.015.52e-04	39.0	53	0.016.07e-04	46.0	54	0.059.40e-04	
18.0	55	2.55e-039.94e-05	39.0	56	0.015.20e-04	46.0	57	0.069.94e-04	
18.0	58	0.015.35e-04	39.0	59	0.016.24e-04	46.0	60	0.059.42e-04	

18.0	61	9.12e-03	39.0	62	0.04179e-03	46.0	63	0.07123e-03	
18.0	64	0.02622e-04	39.0	65	0.04184e-03	46.0	66	0.07120e-03	
18.0	67	0.01428e-04	39.0	68	0.04182e-03	46.0	69	0.07124e-03	
18.0	70	0.02658e-04	39.0	71	0.04186e-03	46.0	72	0.07120e-03	
18.0	73	0.01430e-04	39.0	74	0.06256e-03	46.0	75	0.10187e-03	
18.0	76	0.02641e-04	39.0	77	0.06259e-03	46.0	78	0.10185e-03	
18.0	79	0.01509e-04	39.0	80	0.06260e-03	46.0	81	0.10187e-03	
18.0	82	0.02686e-04	39.0	83	0.06263e-03	46.0	84	0.10186e-03	
18.0	53	1	0.03135e-03	39.0	2	0.02934e-04	46.0	3	0.11191e-03
18.0	4	0.03110e-03	39.0	5	1.54e-03	7.08e-05	46.0	6	0.11195e-03
18.0	7	0.03128e-03	39.0	8	8.95e-03	4.12e-04	46.0	9	0.11191e-03
18.0	10	0.03102e-03	39.0	11	0.02901e-04	46.0	12	0.11194e-03	
18.0	13	0.02913e-04	39.0	14	0.05210e-03	46.0	15	0.07122e-03	
18.0	16	0.03980e-04	39.0	17	0.04167e-03	46.0	18	0.07128e-03	
18.0	19	0.03117e-03	39.0	20	0.04164e-03	46.0	21	0.07121e-03	
18.0	22	0.02905e-04	39.0	23	0.02723e-04	46.0	24	0.07128e-03	
18.0	25	0.02827e-04	39.0	26	0.02793e-04	46.0	27	0.05934e-04	
18.0	28	0.01477e-04	39.0	29	0.02695e-04	46.0	30	0.06101e-03	
18.0	31	0.02780e-04	39.0	32	0.02773e-04	46.0	33	0.05934e-04	
18.0	34	0.01404e-04	39.0	35	0.01674e-04	46.0	36	0.06101e-03	
18.0	37	0.02648e-04	39.0	38	7.61e-03	3.50e-04	46.0	39	0.05896e-04
18.0	40	7.46e-03	39.0	41	2.80e-03	1.29e-04	46.0	42	0.05958e-04
18.0	43	0.02615e-04	39.0	44	7.52e-03	3.46e-04	46.0	45	0.05896e-04
18.0	46	5.66e-03	39.0	47	2.53e-03	1.16e-04	46.0	48	0.05959e-04
18.0	49	0.01492e-04	39.0	50	0.01580e-04	46.0	51	0.05946e-04	
18.0	52	4.39e-03	39.0	53	0.01518e-04	46.0	54	0.05987e-04	
18.0	55	0.01479e-04	39.0	56	0.01600e-04	46.0	57	0.05946e-04	
18.0	58	3.47e-03	39.0	59	0.01538e-04	46.0	60	0.05989e-04	
18.0	61	0.01521e-04	39.0	62	0.04182e-03	46.0	63	0.07120e-03	
18.0	64	0.01426e-04	39.0	65	0.04180e-03	46.0	66	0.06107e-03	
18.0	67	0.01577e-04	39.0	68	0.04184e-03	46.0	69	0.07121e-03	
18.0	70	0.01489e-04	39.0	71	0.04183e-03	46.0	72	0.06116e-03	
18.0	73	0.01542e-04	39.0	74	0.06257e-03	46.0	75	0.10185e-03	
18.0	76	0.01459e-04	39.0	77	0.06258e-03	46.0	78	0.09166e-03	
18.0	79	0.02611e-04	39.0	80	0.06261e-03	46.0	81	0.10186e-03	
18.0	82	0.01572e-04	39.0	83	0.06262e-03	46.0	84	0.10172e-03	
18.0	54	1	0.01390e-04	39.0	2	0.06255e-03	46.0	3	0.10188e-03
18.0	4	0.02817e-04	39.0	5	0.06261e-03	46.0	6	0.10184e-03	

18.0	7	0.014.65e-04	39.0	8	0.062.59e-03	46.0	9	0.101.89e-03	
18.0	10	0.028.51e-04	39.0	11	0.062.65e-03	46.0	12	0.101.85e-03	
18.0	13	8.44e-033.29e-04	39.0	14	0.041.79e-03	46.0	15	0.071.25e-03	
18.0	16	0.027.73e-04	39.0	17	0.041.85e-03	46.0	18	0.071.18e-03	
18.0	19	0.013.97e-04	39.0	20	0.041.82e-03	46.0	21	0.071.25e-03	
18.0	22	0.028.02e-04	39.0	23	0.041.87e-03	46.0	24	0.071.19e-03	
18.0	25	4.18e-031.63e-04	39.0	26	0.014.99e-04	46.0	27	0.061.01e-03	
18.0	28	0.026.40e-04	39.0	29	0.016.26e-04	46.0	30	0.059.28e-04	
18.0	31	2.42e-039.46e-05	39.0	32	0.015.20e-04	46.0	33	0.061.01e-03	
18.0	34	0.026.28e-04	39.0	35	0.016.42e-04	46.0	36	0.059.29e-04	
18.0	37	8.89e-033.47e-04	39.0	38	2.85e-031.31e-04	46.0	39	0.059.58e-04	
18.0	40	0.026.20e-04	39.0	41	7.59e-033.49e-04	46.0	42	0.058.96e-04	
18.0	43	7.16e-032.79e-04	39.0	44	2.58e-031.19e-04	46.0	45	0.059.59e-04	
18.0	46	0.025.90e-04	39.0	47	7.50e-033.45e-04	46.0	48	0.058.96e-04	
18.0	49	0.015.50e-04	39.0	50	0.027.11e-04	46.0	51	0.069.93e-04	
18.0	52	0.026.65e-04	39.0	53	0.027.56e-04	46.0	54	0.059.52e-04	
18.0	55	0.014.82e-04	39.0	56	0.016.89e-04	46.0	57	0.069.94e-04	
18.0	58	0.026.20e-04	39.0	59	0.027.37e-04	46.0	60	0.059.51e-04	
18.0	61	0.026.40e-04	39.0	62	0.042.06e-03	46.0	63	0.061.11e-03	
18.0	64	0.031.06e-03	39.0	65	0.041.69e-03	46.0	66	0.071.24e-03	
18.0	67	0.039.82e-04	39.0	68	0.031.59e-03	46.0	69	0.071.19e-03	
18.0	70	0.039.97e-04	39.0	71	0.027.70e-04	46.0	72	0.071.23e-03	
18.0	73	0.031.17e-03	39.0	74	0.028.64e-04	46.0	75	0.101.75e-03	
18.0	76	0.031.17e-03	39.0	77	6.15e-032.83e-04	46.0	78	0.111.93e-03	
18.0	79	0.031.11e-03	39.0	80	3.95e-031.82e-04	46.0	81	0.101.78e-03	
18.0	82	0.031.10e-03	39.0	83	0.029.49e-04	46.0	84	0.111.92e-03	
18.0	55	1	0.027.13e-04	39.0	2	0.062.58e-03	46.0	3	0.101.84e-03
18.0	4	0.014.25e-04	39.0	5	0.062.57e-03	46.0	6	0.101.88e-03	
18.0	7	0.027.74e-04	39.0	8	0.062.63e-03	46.0	9	0.101.85e-03	
18.0	10	0.015.06e-04	39.0	11	0.062.61e-03	46.0	12	0.101.89e-03	
18.0	13	0.026.70e-04	39.0	14	0.041.83e-03	46.0	15	0.071.19e-03	
18.0	16	9.22e-033.60e-04	39.0	17	0.041.81e-03	46.0	18	0.071.24e-03	
18.0	19	0.027.19e-04	39.0	20	0.041.85e-03	46.0	21	0.071.19e-03	
18.0	22	0.014.33e-04	39.0	23	0.041.84e-03	46.0	24	0.071.25e-03	
18.0	25	0.015.77e-04	39.0	26	0.015.97e-04	46.0	27	0.059.34e-04	
18.0	28	3.33e-031.30e-04	39.0	29	0.015.16e-04	46.0	30	0.061.00e-03	
18.0	31	0.015.69e-04	39.0	32	0.016.16e-04	46.0	33	0.059.34e-04	
18.0	34	1.61e-036.28e-05	39.0	35	0.015.37e-04	46.0	36	0.061.00e-03	

18.0	37	0.026.38e-04	39.0	38	7.67e-033.53e-04	46.0	39	0.058.96e-04	
18.0	40	7.94e-033.10e-04	39.0	41	2.65e-031.22e-04	46.0	42	0.059.58e-04	
18.0	43	0.026.07e-04	39.0	44	7.56e-033.48e-04	46.0	45	0.058.96e-04	
18.0	46	6.14e-032.39e-04	39.0	47	2.41e-031.11e-04	46.0	48	0.059.59e-04	
18.0	49	0.027.43e-04	39.0	50	0.027.80e-04	46.0	51	0.059.46e-04	
18.0	52	0.015.00e-04	39.0	53	0.026.92e-04	46.0	54	0.069.99e-04	
18.0	55	0.026.94e-04	39.0	56	0.027.60e-04	46.0	57	0.059.47e-04	
18.0	58	0.014.29e-04	39.0	59	0.016.72e-04	46.0	60	0.069.98e-04	
18.0	61	0.031.07e-03	39.0	62	0.052.09e-03	46.0	63	0.071.23e-03	
18.0	64	0.031.00e-03	39.0	65	0.042.01e-03	46.0	66	0.071.27e-03	
18.0	67	0.031.07e-03	39.0	68	0.031.29e-03	46.0	69	0.071.23e-03	
18.0	70	0.029.31e-04	39.0	71	0.021.07e-03	46.0	72	0.071.26e-03	
18.0	73	0.031.24e-03	39.0	74	0.016.02e-04	46.0	75	0.111.92e-03	
18.0	76	0.031.13e-03	39.0	77	8.59e-033.95e-04	46.0	78	0.111.94e-03	
18.0	79	0.031.16e-03	39.0	80	0.014.91e-04	46.0	81	0.111.92e-03	
18.0	82	0.031.06e-03	39.0	83	0.015.92e-04	46.0	84	0.111.93e-03	
18.0	56	1	0.031.06e-03	39.0	2	0.015.90e-04	46.0	3	0.111.93e-03
18.0	4	0.031.16e-03	39.0	5	0.014.92e-04	46.0	6	0.111.92e-03	
18.0	7	0.031.14e-03	39.0	8	8.60e-033.96e-04	46.0	9	0.111.94e-03	
18.0	10	0.031.24e-03	39.0	11	0.016.02e-04	46.0	12	0.111.93e-03	
18.0	13	0.029.31e-04	39.0	14	0.021.07e-03	46.0	15	0.071.26e-03	
18.0	16	0.031.07e-03	39.0	17	0.031.29e-03	46.0	18	0.071.23e-03	
18.0	19	0.031.00e-03	39.0	20	0.042.01e-03	46.0	21	0.071.27e-03	
18.0	22	0.031.07e-03	39.0	23	0.052.09e-03	46.0	24	0.071.23e-03	
18.0	25	0.014.29e-04	39.0	26	0.016.72e-04	46.0	27	0.069.98e-04	
18.0	28	0.026.94e-04	39.0	29	0.027.60e-04	46.0	30	0.059.46e-04	
18.0	31	0.015.00e-04	39.0	32	0.026.92e-04	46.0	33	0.069.99e-04	
18.0	34	0.027.44e-04	39.0	35	0.027.80e-04	46.0	36	0.059.46e-04	
18.0	37	6.15e-032.40e-04	39.0	38	2.42e-031.11e-04	46.0	39	0.059.58e-04	
18.0	40	0.026.06e-04	39.0	41	7.56e-033.48e-04	46.0	42	0.058.96e-04	
18.0	43	7.94e-033.10e-04	39.0	44	2.64e-031.22e-04	46.0	45	0.059.59e-04	
18.0	46	0.026.38e-04	39.0	47	7.68e-033.53e-04	46.0	48	0.058.96e-04	
18.0	49	1.61e-036.29e-05	39.0	50	0.015.37e-04	46.0	51	0.061.00e-03	
18.0	52	0.015.69e-04	39.0	53	0.016.16e-04	46.0	54	0.059.34e-04	
18.0	55	3.33e-031.30e-04	39.0	56	0.015.17e-04	46.0	57	0.061.00e-03	
18.0	58	0.015.77e-04	39.0	59	0.015.97e-04	46.0	60	0.059.34e-04	
18.0	61	0.014.33e-04	39.0	62	0.041.84e-03	46.0	63	0.071.25e-03	
18.0	64	0.027.19e-04	39.0	65	0.041.85e-03	46.0	66	0.071.19e-03	

18.0	67	9.22e-03	3.60e-04	39.0	68	0.04181e-03	46.0	69	0.07124e-03	
18.0	70	0.02670e-04		39.0	71	0.04183e-03	46.0	72	0.07119e-03	
18.0	73	0.01506e-04		39.0	74	0.06261e-03	46.0	75	0.10189e-03	
18.0	76	0.02774e-04		39.0	77	0.06263e-03	46.0	78	0.10185e-03	
18.0	79	0.01425e-04		39.0	80	0.06257e-03	46.0	81	0.10188e-03	
18.0	82	0.02713e-04		39.0	83	0.06258e-03	46.0	84	0.10184e-03	
18.0	57	1	0.03110e-03	39.0	2	0.02947e-04	46.0	3	0.11192e-03	
18.0	4	0.03111e-03		39.0	5	4.01e-03	1.85e-04	46.0	6	0.10178e-03
18.0	7	0.03117e-03		39.0	8	6.15e-03	2.83e-04	46.0	9	0.11193e-03
18.0	10	0.03117e-03		39.0	11	0.02864e-04		46.0	12	0.10175e-03
18.0	13	0.03997e-04		39.0	14	0.02772e-04		46.0	15	0.07123e-03
18.0	16	0.03981e-04		39.0	17	0.03159e-03		46.0	18	0.07119e-03
18.0	19	0.03106e-03		39.0	20	0.04169e-03		46.0	21	0.07124e-03
18.0	22	0.02640e-04		39.0	23	0.04206e-03		46.0	24	0.06111e-03
18.0	25	0.02620e-04		39.0	26	0.02737e-04		46.0	27	0.05951e-04
18.0	28	0.01482e-04		39.0	29	0.01689e-04		46.0	30	0.06993e-04
18.0	31	0.02665e-04		39.0	32	0.02755e-04		46.0	33	0.05952e-04
18.0	34	0.01550e-04		39.0	35	0.02711e-04		46.0	36	0.06993e-04
18.0	37	0.02591e-04		39.0	38	7.50e-03	3.45e-04	46.0	39	0.05895e-04
18.0	40	7.16e-03	2.79e-04	39.0	41	2.58e-03	1.19e-04	46.0	42	0.05959e-04
18.0	43	0.02620e-04		39.0	44	7.58e-03	3.49e-04	46.0	45	0.05896e-04
18.0	46	8.89e-03	3.47e-04	39.0	47	2.85e-03	1.31e-04	46.0	48	0.05959e-04
18.0	49	0.02628e-04		39.0	50	0.01641e-04		46.0	51	0.05929e-04
18.0	52	2.42e-03	9.45e-05	39.0	53	0.01520e-04		46.0	54	0.06101e-03
18.0	55	0.02641e-04		39.0	56	0.01626e-04		46.0	57	0.05928e-04
18.0	58	4.18e-03	1.63e-04	39.0	59	0.01499e-04		46.0	60	0.06101e-03
18.0	61	0.02802e-04		39.0	62	0.04187e-03		46.0	63	0.07119e-03
18.0	64	0.01397e-04		39.0	65	0.04182e-03		46.0	66	0.07125e-03
18.0	67	0.02774e-04		39.0	68	0.04185e-03		46.0	69	0.07118e-03
18.0	70	8.44e-03	3.29e-04	39.0	71	0.04179e-03		46.0	72	0.07125e-03
18.0	73	0.02851e-04		39.0	74	0.06265e-03		46.0	75	0.10185e-03
18.0	76	0.01465e-04		39.0	77	0.06259e-03		46.0	78	0.10189e-03
18.0	79	0.02817e-04		39.0	80	0.06261e-03		46.0	81	0.10184e-03
18.0	82	1.00e-02	3.90e-04	39.0	83	0.06255e-03		46.0	84	0.10188e-03
18.0	58	1	0.01572e-04	39.0	2	0.06262e-03		46.0	3	0.10172e-03
18.0	4	0.02611e-04		39.0	5	0.06261e-03		46.0	6	0.10186e-03
18.0	7	0.01459e-04		39.0	8	0.06258e-03		46.0	9	0.09166e-03
18.0	10	0.01542e-04		39.0	11	0.06257e-03		46.0	12	0.10185e-03

18.0	13	0.014.89e-04	39.0	14	0.041.83e-03	46.0	15	0.061.16e-03
18.0	16	0.015.77e-04	39.0	17	0.041.84e-03	46.0	18	0.071.21e-03
18.0	19	0.014.26e-04	39.0	20	0.041.80e-03	46.0	21	0.061.07e-03
18.0	22	0.015.21e-04	39.0	23	0.041.82e-03	46.0	24	0.071.20e-03
18.0	25	3.47e-031.35e-04	39.0	26	0.015.38e-04	46.0	27	0.059.89e-04
18.0	28	0.014.79e-04	39.0	29	0.016.00e-04	46.0	30	0.059.46e-04
18.0	31	4.40e-031.72e-04	39.0	32	0.015.18e-04	46.0	33	0.059.88e-04
18.0	34	0.014.92e-04	39.0	35	0.015.80e-04	46.0	36	0.059.46e-04
18.0	37	5.66e-032.21e-04	39.0	38	2.52e-031.16e-04	46.0	39	0.059.59e-04
18.0	40	0.026.15e-04	39.0	41	7.52e-033.46e-04	46.0	42	0.058.95e-04
18.0	43	7.46e-032.91e-04	39.0	44	2.79e-031.28e-04	46.0	45	0.059.59e-04
18.0	46	0.026.48e-04	39.0	47	7.60e-033.50e-04	46.0	48	0.058.96e-04
18.0	49	0.014.04e-04	39.0	50	0.016.74e-04	46.0	51	0.061.01e-03
18.0	52	0.027.80e-04	39.0	53	0.027.73e-04	46.0	54	0.059.34e-04
18.0	55	0.014.77e-04	39.0	56	0.026.95e-04	46.0	57	0.061.01e-03
18.0	58	0.028.27e-04	39.0	59	0.027.93e-04	46.0	60	0.059.34e-04
18.0	61	0.029.05e-04	39.0	62	0.027.25e-04	46.0	63	0.071.28e-03
18.0	64	0.031.17e-03	39.0	65	0.041.63e-03	46.0	66	0.071.21e-03
18.0	67	0.039.80e-04	39.0	68	0.041.67e-03	46.0	69	0.071.28e-03
18.0	70	0.029.14e-04	39.0	71	0.052.10e-03	46.0	72	0.071.22e-03
18.0	73	0.031.02e-03	39.0	74	0.028.98e-04	46.0	75	0.111.94e-03
18.0	76	0.031.28e-03	39.0	77	8.95e-034.12e-04	46.0	78	0.111.91e-03
18.0	79	0.031.10e-03	39.0	80	1.54e-037.09e-05	46.0	81	0.111.95e-03
18.0	82	0.031.35e-03	39.0	83	0.029.34e-04	46.0	84	0.111.91e-03
18.0	59	0.026.86e-04	39.0	2	0.062.63e-03	46.0	3	0.101.86e-03
18.0	4	0.015.09e-04	39.0	5	0.062.60e-03	46.0	6	0.101.87e-03
18.0	7	0.026.41e-04	39.0	8	0.062.59e-03	46.0	9	0.101.85e-03
18.0	10	0.014.30e-04	39.0	11	0.062.56e-03	46.0	12	0.101.87e-03
18.0	13	0.026.58e-04	39.0	14	0.041.86e-03	46.0	15	0.071.20e-03
18.0	16	0.014.28e-04	39.0	17	0.041.82e-03	46.0	18	0.071.24e-03
18.0	19	0.026.21e-04	39.0	20	0.041.84e-03	46.0	21	0.071.20e-03
18.0	22	9.13e-033.56e-04	39.0	23	0.041.79e-03	46.0	24	0.071.23e-03
18.0	25	0.015.35e-04	39.0	26	0.016.24e-04	46.0	27	0.059.41e-04
18.0	28	2.54e-039.91e-05	39.0	29	0.015.19e-04	46.0	30	0.069.93e-04
18.0	31	0.015.52e-04	39.0	32	0.016.07e-04	46.0	33	0.059.40e-04
18.0	34	3.95e-031.54e-04	39.0	35	0.014.98e-04	46.0	36	0.069.94e-04
18.0	37	0.025.97e-04	39.0	38	7.45e-033.43e-04	46.0	39	0.058.96e-04
18.0	40	6.68e-032.61e-04	39.0	41	2.73e-031.26e-04	46.0	42	0.059.58e-04

18.0	43	0.026.29e-04	39.0	44	7.54e-033.47e-04	46.0	45	0.058.96e-04	
18.0	46	8.40e-033.28e-04	39.0	47	3.00e-031.38e-04	46.0	48	0.059.59e-04	
18.0	49	0.027.06e-04	39.0	50	0.027.49e-04	46.0	51	0.059.38e-04	
18.0	52	0.014.45e-04	39.0	53	0.026.90e-04	46.0	54	0.061.01e-03	
18.0	55	0.027.47e-04	39.0	56	0.027.67e-04	46.0	57	0.059.40e-04	
18.0	58	0.015.15e-04	39.0	59	0.027.12e-04	46.0	60	0.061.01e-03	
18.0	61	0.031.10e-03	39.0	62	0.021.12e-03	46.0	63	0.071.22e-03	
18.0	64	0.029.43e-04	39.0	65	0.031.25e-03	46.0	66	0.071.27e-03	
18.0	67	0.031.15e-03	39.0	68	0.042.03e-03	46.0	69	0.071.22e-03	
18.0	70	0.029.32e-04	39.0	71	0.042.07e-03	46.0	72	0.071.28e-03	
18.0	73	0.031.21e-03	39.0	74	0.016.89e-04	46.0	75	0.111.91e-03	
18.0	76	0.031.06e-03	39.0	77	8.34e-033.84e-04	46.0	78	0.111.94e-03	
18.0	79	0.031.27e-03	39.0	80	0.015.18e-04	46.0	81	0.111.92e-03	
18.0	82	0.031.14e-03	39.0	83	0.015.22e-04	46.0	84	0.111.95e-03	
18.0	60	1	0.031.02e-03	39.0	2	0.028.98e-04	46.0	3	0.111.94e-03
18.0	4	0.031.28e-03	39.0	5	8.95e-034.12e-04	46.0	6	0.111.91e-03	
18.0	7	0.031.10e-03	39.0	8	1.54e-037.10e-05	46.0	9	0.111.95e-03	
18.0	10	0.031.35e-03	39.0	11	0.029.34e-04	46.0	12	0.111.91e-03	
18.0	13	0.029.05e-04	39.0	14	0.027.25e-04	46.0	15	0.071.28e-03	
18.0	16	0.031.17e-03	39.0	17	0.041.63e-03	46.0	18	0.071.21e-03	
18.0	19	0.039.80e-04	39.0	20	0.041.67e-03	46.0	21	0.071.28e-03	
18.0	22	0.029.13e-04	39.0	23	0.052.10e-03	46.0	24	0.071.22e-03	
18.0	25	0.014.04e-04	39.0	26	0.016.74e-04	46.0	27	0.061.01e-03	
18.0	28	0.027.80e-04	39.0	29	0.027.73e-04	46.0	30	0.059.34e-04	
18.0	31	0.014.77e-04	39.0	32	0.026.95e-04	46.0	33	0.061.01e-03	
18.0	34	0.028.27e-04	39.0	35	0.027.93e-04	46.0	36	0.059.34e-04	
18.0	37	5.67e-032.21e-04	39.0	38	2.54e-031.17e-04	46.0	39	0.059.58e-04	
18.0	40	0.026.14e-04	39.0	41	7.51e-033.45e-04	46.0	42	0.058.96e-04	
18.0	43	7.46e-032.91e-04	39.0	44	2.79e-031.28e-04	46.0	45	0.059.59e-04	
18.0	46	0.026.48e-04	39.0	47	7.62e-033.50e-04	46.0	48	0.058.96e-04	
18.0	49	3.46e-031.35e-04	39.0	50	0.015.38e-04	46.0	51	0.059.88e-04	
18.0	52	0.014.79e-04	39.0	53	0.015.99e-04	46.0	54	0.059.46e-04	
18.0	55	4.39e-031.71e-04	39.0	56	0.015.19e-04	46.0	57	0.059.88e-04	
18.0	58	0.014.92e-04	39.0	59	0.015.80e-04	46.0	60	0.059.46e-04	
18.0	61	0.014.89e-04	39.0	62	0.041.83e-03	46.0	63	0.061.16e-03	
18.0	64	0.015.77e-04	39.0	65	0.041.84e-03	46.0	66	0.071.21e-03	
18.0	67	0.014.26e-04	39.0	68	0.041.80e-03	46.0	69	0.061.07e-03	
18.0	70	0.015.21e-04	39.0	71	0.041.81e-03	46.0	72	0.071.20e-03	

18.0	73	0.015.72e-04	39.0	74	0.062.62e-03	46.0	75	0.101.72e-03	
18.0	76	0.026.11e-04	39.0	77	0.062.61e-03	46.0	78	0.101.86e-03	
18.0	79	0.014.59e-04	39.0	80	0.062.58e-03	46.0	81	0.091.66e-03	
18.0	82	0.015.42e-04	39.0	83	0.062.57e-03	46.0	84	0.101.85e-03	
18.0	61	1	0.031.21e-03	39.0	2	0.016.89e-04	46.0	3	0.111.91e-03
18.0	4	0.031.06e-03	39.0	5	8.34e-033.84e-04	46.0	6	0.111.94e-03	
18.0	7	0.031.27e-03	39.0	8	0.015.18e-04	46.0	9	0.111.92e-03	
18.0	10	0.031.14e-03	39.0	11	0.015.22e-04	46.0	12	0.111.95e-03	
18.0	13	0.031.10e-03	39.0	14	0.021.12e-03	46.0	15	0.071.22e-03	
18.0	16	0.029.43e-04	39.0	17	0.031.25e-03	46.0	18	0.071.27e-03	
18.0	19	0.031.15e-03	39.0	20	0.042.03e-03	46.0	21	0.071.22e-03	
18.0	22	0.029.31e-04	39.0	23	0.042.07e-03	46.0	24	0.071.28e-03	
18.0	25	0.027.06e-04	39.0	26	0.027.49e-04	46.0	27	0.059.38e-04	
18.0	28	0.014.45e-04	39.0	29	0.026.90e-04	46.0	30	0.061.01e-03	
18.0	31	0.027.47e-04	39.0	32	0.027.67e-04	46.0	33	0.059.40e-04	
18.0	34	0.015.15e-04	39.0	35	0.027.12e-04	46.0	36	0.061.01e-03	
18.0	37	0.025.98e-04	39.0	38	7.47e-033.43e-04	46.0	39	0.058.95e-04	
18.0	40	6.68e-032.60e-04	39.0	41	2.72e-031.25e-04	46.0	42	0.059.59e-04	
18.0	43	0.026.29e-04	39.0	44	7.53e-033.46e-04	46.0	45	0.058.96e-04	
18.0	46	8.40e-033.28e-04	39.0	47	3.01e-031.38e-04	46.0	48	0.059.59e-04	
18.0	49	0.015.35e-04	39.0	50	0.016.24e-04	46.0	51	0.059.41e-04	
18.0	52	2.55e-039.94e-05	39.0	53	0.015.20e-04	46.0	54	0.069.93e-04	
18.0	55	0.015.52e-04	39.0	56	0.016.08e-04	46.0	57	0.059.40e-04	
18.0	58	3.96e-031.54e-04	39.0	59	0.014.98e-04	46.0	60	0.069.94e-04	
18.0	61	0.026.58e-04	39.0	62	0.041.86e-03	46.0	63	0.071.20e-03	
18.0	64	0.014.28e-04	39.0	65	0.041.82e-03	46.0	66	0.071.24e-03	
18.0	67	0.026.22e-04	39.0	68	0.041.84e-03	46.0	69	0.071.20e-03	
18.0	70	9.12e-033.56e-04	39.0	71	0.041.79e-03	46.0	72	0.071.23e-03	
18.0	73	0.026.86e-04	39.0	74	0.062.63e-03	46.0	75	0.101.86e-03	
18.0	76	0.015.10e-04	39.0	77	0.062.60e-03	46.0	78	0.101.87e-03	
18.0	79	0.026.41e-04	39.0	80	0.062.59e-03	46.0	81	0.101.85e-03	
18.0	82	0.014.30e-04	39.0	83	0.062.56e-03	46.0	84	0.101.87e-03	
18.0	62	1	0.015.06e-04	39.0	2	0.062.61e-03	46.0	3	0.101.89e-03
18.0	4	0.027.74e-04	39.0	5	0.062.63e-03	46.0	6	0.101.85e-03	
18.0	7	0.014.25e-04	39.0	8	0.062.57e-03	46.0	9	0.101.88e-03	
18.0	10	0.027.13e-04	39.0	11	0.062.58e-03	46.0	12	0.101.84e-03	
18.0	13	0.014.33e-04	39.0	14	0.041.84e-03	46.0	15	0.071.25e-03	
18.0	16	0.027.19e-04	39.0	17	0.041.85e-03	46.0	18	0.071.19e-03	

18.0	19	9.22e-033.60e-04	39.0	20	0.041.81e-03	46.0	21	0.071.24e-03	
18.0	22	0.026.71e-04	39.0	23	0.041.83e-03	46.0	24	0.071.19e-03	
18.0	25	1.62e-036.31e-05	39.0	26	0.015.37e-04	46.0	27	0.061.00e-03	
18.0	28	0.015.69e-04	39.0	29	0.016.16e-04	46.0	30	0.059.33e-04	
18.0	31	3.34e-031.30e-04	39.0	32	0.015.17e-04	46.0	33	0.061.00e-03	
18.0	34	0.015.76e-04	39.0	35	0.015.97e-04	46.0	36	0.059.34e-04	
18.0	37	6.14e-032.39e-04	39.0	38	2.40e-031.10e-04	46.0	39	0.059.59e-04	
18.0	40	0.026.07e-04	39.0	41	7.57e-033.48e-04	46.0	42	0.058.96e-04	
18.0	43	7.94e-033.10e-04	39.0	44	2.65e-031.22e-04	46.0	45	0.059.59e-04	
18.0	46	0.026.38e-04	39.0	47	7.66e-033.53e-04	46.0	48	0.058.96e-04	
18.0	49	0.014.29e-04	39.0	50	0.016.72e-04	46.0	51	0.069.98e-04	
18.0	52	0.026.93e-04	39.0	53	0.027.60e-04	46.0	54	0.059.46e-04	
18.0	55	0.015.00e-04	39.0	56	0.026.92e-04	46.0	57	0.069.99e-04	
18.0	58	0.027.43e-04	39.0	59	0.027.80e-04	46.0	60	0.059.46e-04	
18.0	61	0.029.31e-04	39.0	62	0.021.07e-03	46.0	63	0.071.26e-03	
18.0	64	0.031.07e-03	39.0	65	0.031.29e-03	46.0	66	0.071.23e-03	
18.0	67	0.031.00e-03	39.0	68	0.042.01e-03	46.0	69	0.071.27e-03	
18.0	70	0.031.07e-03	39.0	71	0.052.09e-03	46.0	72	0.071.23e-03	
18.0	73	0.031.06e-03	39.0	74	0.015.90e-04	46.0	75	0.111.93e-03	
18.0	76	0.031.16e-03	39.0	77	0.014.92e-04	46.0	78	0.111.92e-03	
18.0	79	0.031.14e-03	39.0	80	8.59e-033.95e-04	46.0	81	0.111.94e-03	
18.0	82	0.031.24e-03	39.0	83	0.016.02e-04	46.0	84	0.111.93e-03	
18.0	63	1	0.028.51e-04	39.0	2	0.062.65e-03	46.0	3	0.101.85e-03
18.0	4	0.014.65e-04	39.0	5	0.062.59e-03	46.0	6	0.101.89e-03	
18.0	7	0.028.17e-04	39.0	8	0.062.61e-03	46.0	9	0.101.84e-03	
18.0	10	1.00e-023.90e-04	39.0	11	0.062.55e-03	46.0	12	0.101.88e-03	
18.0	13	0.028.02e-04	39.0	14	0.041.87e-03	46.0	15	0.071.19e-03	
18.0	16	0.013.97e-04	39.0	17	0.041.82e-03	46.0	18	0.071.25e-03	
18.0	19	0.027.73e-04	39.0	20	0.041.85e-03	46.0	21	0.071.18e-03	
18.0	22	8.44e-033.29e-04	39.0	23	0.041.79e-03	46.0	24	0.071.25e-03	
18.0	25	0.026.28e-04	39.0	26	0.016.41e-04	46.0	27	0.059.29e-04	
18.0	28	2.43e-039.46e-05	39.0	29	0.015.20e-04	46.0	30	0.061.01e-03	
18.0	31	0.026.41e-04	39.0	32	0.016.26e-04	46.0	33	0.059.28e-04	
18.0	34	4.18e-031.63e-04	39.0	35	0.014.99e-04	46.0	36	0.061.01e-03	
18.0	37	0.025.90e-04	39.0	38	7.49e-033.44e-04	46.0	39	0.058.96e-04	
18.0	40	7.17e-032.79e-04	39.0	41	2.59e-031.19e-04	46.0	42	0.059.58e-04	
18.0	43	0.026.20e-04	39.0	44	7.59e-033.49e-04	46.0	45	0.058.96e-04	
18.0	46	8.89e-033.47e-04	39.0	47	2.84e-031.31e-04	46.0	48	0.059.59e-04	

18.0	49	0.026.20e-04	39.0	50	0.027.37e-04	46.0	51	0.059.51e-04	
18.0	52	0.014.82e-04	39.0	53	0.016.89e-04	46.0	54	0.069.93e-04	
18.0	55	0.026.65e-04	39.0	56	0.027.55e-04	46.0	57	0.059.52e-04	
18.0	58	0.015.50e-04	39.0	59	0.027.11e-04	46.0	60	0.069.93e-04	
18.0	61	0.039.97e-04	39.0	62	0.027.72e-04	46.0	63	0.071.23e-03	
18.0	64	0.039.81e-04	39.0	65	0.031.59e-03	46.0	66	0.071.19e-03	
18.0	67	0.031.06e-03	39.0	68	0.041.69e-03	46.0	69	0.071.24e-03	
18.0	70	0.026.41e-04	39.0	71	0.042.06e-03	46.0	72	0.061.10e-03	
18.0	73	0.031.10e-03	39.0	74	0.029.47e-04	46.0	75	0.111.92e-03	
18.0	76	0.031.11e-03	39.0	77	3.98e-031.83e-04	46.0	78	0.101.78e-03	
18.0	79	0.031.17e-03	39.0	80	6.15e-032.83e-04	46.0	81	0.111.93e-03	
18.0	82	0.031.17e-03	39.0	83	0.028.64e-04	46.0	84	0.101.75e-03	
18.0	64	1	0.029.35e-04	39.0	2	0.041.78e-03	46.0	3	0.111.93e-03
18.0	4	0.031.09e-03	39.0	5	0.062.84e-03	46.0	6	0.091.68e-03	
18.0	7	0.029.13e-04	39.0	8	0.042.05e-03	46.0	9	0.111.93e-03	
18.0	10	0.031.08e-03	39.0	11	0.062.83e-03	46.0	12	0.081.44e-03	
18.0	13	0.028.44e-04	39.0	14	3.81e-031.75e-04	46.0	15	0.071.28e-03	
18.0	16	0.031.10e-03	39.0	17	0.031.53e-03	46.0	18	0.071.19e-03	
18.0	19	0.028.24e-04	39.0	20	9.60e-034.42e-04	46.0	21	0.071.28e-03	
18.0	22	0.031.08e-03	39.0	23	0.041.81e-03	46.0	24	0.071.19e-03	
18.0	25	0.014.79e-04	39.0	26	0.016.24e-04	46.0	27	0.061.05e-03	
18.0	28	0.039.89e-04	39.0	29	0.015.42e-04	46.0	30	0.058.93e-04	
18.0	31	9.51e-033.71e-04	39.0	32	0.016.18e-04	46.0	33	0.061.05e-03	
18.0	34	0.039.86e-04	39.0	35	0.016.31e-04	46.0	36	0.058.93e-04	
18.0	37	0.015.46e-04	39.0	38	4.11e-031.89e-04	46.0	39	0.061.03e-03	
18.0	40	0.031.13e-03	39.0	41	0.016.23e-04	46.0	42	0.058.22e-04	
18.0	43	0.015.41e-04	39.0	44	4.11e-031.89e-04	46.0	45	0.061.03e-03	
18.0	46	0.031.13e-03	39.0	47	0.016.23e-04	46.0	48	0.058.23e-04	
18.0	49	0.026.95e-04	39.0	50	0.016.35e-04	46.0	51	0.061.09e-03	
18.0	52	0.031.30e-03	39.0	53	0.028.92e-04	46.0	54	0.058.48e-04	
18.0	55	0.026.95e-04	39.0	56	0.016.40e-04	46.0	57	0.061.09e-03	
18.0	58	0.031.30e-03	39.0	59	0.028.96e-04	46.0	60	0.058.13e-04	
18.0	61	0.029.56e-04	39.0	62	0.041.91e-03	46.0	63	0.071.33e-03	
18.0	64	0.041.53e-03	39.0	65	0.042.03e-03	46.0	66	0.047.93e-04	
18.0	67	0.029.65e-04	39.0	68	0.041.92e-03	46.0	69	0.071.33e-03	
18.0	70	0.041.53e-03	39.0	71	0.042.04e-03	46.0	72	0.058.56e-04	
18.0	73	0.031.01e-03	39.0	74	0.062.70e-03	46.0	75	0.091.55e-03	
18.0	76	0.041.58e-03	39.0	77	0.062.82e-03	46.0	78	0.047.96e-04	

18.0	79	0.031.02e-03	39.0	80	0.062.71e-03	46.0	81	0.081.35e-03
18.0	82	0.041.59e-03	39.0	83	0.062.83e-03	46.0	84	0.058.91e-04
18.0 65	1	0.031.12e-03	39.0	2	0.062.85e-03	46.0	3	0.101.81e-03
18.0	4	0.029.27e-04	39.0	5	0.041.92e-03	46.0	6	0.111.93e-03
18.0	7	0.031.10e-03	39.0	8	0.062.84e-03	46.0	9	0.091.57e-03
18.0	10	0.029.02e-04	39.0	11	0.052.20e-03	46.0	12	0.111.93e-03
18.0	13	0.031.12e-03	39.0	14	0.031.40e-03	46.0	15	0.071.19e-03
18.0	16	0.028.41e-04	39.0	17	6.95e-033.20e-04	46.0	18	0.071.29e-03
18.0	19	0.031.11e-03	39.0	20	0.041.66e-03	46.0	21	0.071.19e-03
18.0	22	0.028.19e-04	39.0	23	0.016.01e-04	46.0	24	0.071.28e-03
18.0	25	0.031.01e-03	39.0	26	0.015.61e-04	46.0	27	0.058.92e-04
18.0	28	0.014.34e-04	39.0	29	0.016.21e-04	46.0	30	0.061.05e-03
18.0	31	0.031.01e-03	39.0	32	0.015.73e-04	46.0	33	0.058.92e-04
18.0	34	9.74e-033.80e-04	39.0	35	0.016.15e-04	46.0	36	0.061.05e-03
18.0	37	0.031.13e-03	39.0	38	0.016.24e-04	46.0	39	0.058.22e-04
18.0	40	0.015.43e-04	39.0	41	4.11e-031.89e-04	46.0	42	0.061.03e-03
18.0	43	0.031.13e-03	39.0	44	0.016.23e-04	46.0	45	0.058.23e-04
18.0	46	0.015.39e-04	39.0	47	4.11e-031.89e-04	46.0	48	0.061.03e-03
18.0	49	0.031.28e-03	39.0	50	0.028.82e-04	46.0	51	0.058.50e-04
18.0	52	0.026.74e-04	39.0	53	0.016.35e-04	46.0	54	0.061.09e-03
18.0	55	0.031.28e-03	39.0	56	0.028.87e-04	46.0	57	0.058.51e-04
18.0	58	0.026.78e-04	39.0	59	0.016.41e-04	46.0	60	0.061.09e-03
18.0	61	0.041.49e-03	39.0	62	0.042.02e-03	46.0	63	0.048.06e-04
18.0	64	0.029.39e-04	39.0	65	0.041.92e-03	46.0	66	0.071.33e-03
18.0	67	0.041.51e-03	39.0	68	0.042.03e-03	46.0	69	0.058.11e-04
18.0	70	0.029.55e-04	39.0	71	0.041.92e-03	46.0	72	0.071.32e-03
18.0	73	0.041.55e-03	39.0	74	0.062.81e-03	46.0	75	0.047.91e-04
18.0	76	0.039.94e-04	39.0	77	0.062.70e-03	46.0	78	0.081.44e-03
18.0	79	0.041.56e-03	39.0	80	0.062.83e-03	46.0	81	0.058.29e-04
18.0	82	0.031.01e-03	39.0	83	0.062.72e-03	46.0	84	0.071.26e-03
18.0 66	1	0.027.14e-04	39.0	2	0.062.70e-03	46.0	3	0.059.79e-04
18.0	4	0.029.71e-04	39.0	5	0.062.74e-03	46.0	6	0.071.31e-03
18.0	7	0.027.36e-04	39.0	8	0.062.72e-03	46.0	9	0.061.01e-03
18.0	10	0.039.84e-04	39.0	11	0.062.75e-03	46.0	12	0.061.11e-03
18.0	13	0.026.55e-04	39.0	14	0.041.88e-03	46.0	15	0.061.00e-03
18.0	16	0.031.00e-03	39.0	17	0.041.96e-03	46.0	18	0.071.18e-03
18.0	19	0.026.73e-04	39.0	20	0.041.89e-03	46.0	21	0.061.01e-03
18.0	22	0.031.01e-03	39.0	23	0.041.97e-03	46.0	24	0.061.17e-03
18.0								

18.0	25	0.013.97e-04	39.0	26	0.015.63e-04	46.0	27	0.061.05e-03	
18.0	28	0.039.83e-04	39.0	29	0.028.02e-04	46.0	30	0.058.90e-04	
18.0	31	0.014.02e-04	39.0	32	0.015.69e-04	46.0	33	0.061.05e-03	
18.0	34	0.039.83e-04	39.0	35	0.028.07e-04	46.0	36	0.058.90e-04	
18.0	37	0.015.34e-04	39.0	38	4.22e-031.94e-04	46.0	39	0.061.03e-03	
18.0	40	0.031.14e-03	39.0	41	0.016.22e-04	46.0	42	0.058.22e-04	
18.0	43	0.015.32e-04	39.0	44	4.20e-031.93e-04	46.0	45	0.061.03e-03	
18.0	46	0.031.14e-03	39.0	47	0.016.22e-04	46.0	48	0.058.23e-04	
18.0	49	0.027.18e-04	39.0	50	6.06e-032.79e-04	46.0	51	0.061.09e-03	
18.0	52	0.031.29e-03	39.0	53	0.029.21e-04	46.0	54	0.058.52e-04	
18.0	55	0.027.12e-04	39.0	56	6.51e-032.99e-04	46.0	57	0.061.09e-03	
18.0	58	0.031.28e-03	39.0	59	0.029.17e-04	46.0	60	0.058.52e-04	
18.0	61	0.031.07e-03	39.0	62	0.031.33e-03	46.0	63	0.071.34e-03	
18.0	64	0.041.58e-03	39.0	65	0.028.00e-04	46.0	66	0.061.14e-03	
18.0	67	0.031.05e-03	39.0	68	0.031.60e-03	46.0	69	0.071.34e-03	
18.0	70	0.041.58e-03	39.0	71	0.029.54e-04	46.0	72	0.061.14e-03	
18.0	73	0.031.14e-03	39.0	74	0.062.82e-03	46.0	75	0.111.92e-03	
18.0	76	0.041.66e-03	39.0	77	0.052.08e-03	46.0	78	0.101.85e-03	
18.0	79	0.031.13e-03	39.0	80	0.062.81e-03	46.0	81	0.091.69e-03	
18.0	82	0.041.65e-03	39.0	83	0.052.35e-03	46.0	84	0.101.84e-03	
18.0	67	1	0.029.41e-04	39.0	2	0.062.73e-03	46.0	3	0.081.43e-03
18.0	4	0.027.21e-04	39.0	5	0.062.71e-03	46.0	6	0.059.84e-04	
18.0	7	0.029.60e-04	39.0	8	0.062.74e-03	46.0	9	0.071.22e-03	
18.0	10	0.027.46e-04	39.0	11	0.062.72e-03	46.0	12	0.061.07e-03	
18.0	13	0.029.74e-04	39.0	14	0.041.95e-03	46.0	15	0.071.18e-03	
18.0	16	0.026.55e-04	39.0	17	0.041.89e-03	46.0	18	0.069.94e-04	
18.0	19	0.039.89e-04	39.0	20	0.041.96e-03	46.0	21	0.071.18e-03	
18.0	22	0.026.77e-04	39.0	23	0.041.89e-03	46.0	24	0.061.05e-03	
18.0	25	0.029.60e-04	39.0	26	0.027.93e-04	46.0	27	0.058.91e-04	
18.0	28	9.74e-033.80e-04	39.0	29	0.015.66e-04	46.0	30	0.061.05e-03	
18.0	31	0.029.63e-04	39.0	32	0.027.99e-04	46.0	33	0.058.92e-04	
18.0	34	9.97e-033.89e-04	39.0	35	0.015.72e-04	46.0	36	0.061.02e-03	
18.0	37	0.031.14e-03	39.0	38	0.016.22e-04	46.0	39	0.058.22e-04	
18.0	40	0.015.33e-04	39.0	41	4.20e-031.93e-04	46.0	42	0.061.03e-03	
18.0	43	0.031.14e-03	39.0	44	0.016.22e-04	46.0	45	0.058.23e-04	
18.0	46	0.015.31e-04	39.0	47	4.18e-031.92e-04	46.0	48	0.061.03e-03	
18.0	49	0.031.33e-03	39.0	50	0.029.30e-04	46.0	51	0.058.50e-04	
18.0	52	0.027.34e-04	39.0	53	5.76e-032.65e-04	46.0	54	0.061.09e-03	

18.0	55	0.031.30e-03	39.0	56	0.029.25e-04	46.0	57	0.058.51e-04	
18.0	58	0.027.26e-04	39.0	59	8.92e-034.10e-04	46.0	60	0.061.09e-03	
18.0	61	0.041.62e-03	39.0	62	0.027.66e-04	46.0	63	0.061.14e-03	
18.0	64	0.031.08e-03	39.0	65	0.031.48e-03	46.0	66	0.071.34e-03	
18.0	67	0.041.60e-03	39.0	68	0.028.69e-04	46.0	69	0.061.14e-03	
18.0	70	0.031.06e-03	39.0	71	0.041.76e-03	46.0	72	0.071.34e-03	
18.0	73	0.041.69e-03	39.0	74	0.041.96e-03	46.0	75	0.101.85e-03	
18.0	76	0.031.15e-03	39.0	77	0.062.82e-03	46.0	78	0.101.79e-03	
18.0	79	0.041.67e-03	39.0	80	0.052.20e-03	46.0	81	0.101.84e-03	
18.0	82	0.031.13e-03	39.0	83	0.062.80e-03	46.0	84	0.091.56e-03	
18.0	68	1	0.029.02e-04	39.0	2	0.052.20e-03	46.0	3	0.111.93e-03
18.0	4	0.031.10e-03	39.0	5	0.062.84e-03	46.0	6	0.091.57e-03	
18.0	7	0.029.27e-04	39.0	8	0.041.92e-03	46.0	9	0.111.93e-03	
18.0	10	0.031.12e-03	39.0	11	0.062.85e-03	46.0	12	0.101.81e-03	
18.0	13	0.028.19e-04	39.0	14	0.016.01e-04	46.0	15	0.071.28e-03	
18.0	16	0.031.11e-03	39.0	17	0.041.66e-03	46.0	18	0.071.19e-03	
18.0	19	0.028.41e-04	39.0	20	6.94e-033.19e-04	46.0	21	0.071.29e-03	
18.0	22	0.031.12e-03	39.0	23	0.031.40e-03	46.0	24	0.071.19e-03	
18.0	25	9.75e-033.80e-04	39.0	26	0.016.15e-04	46.0	27	0.061.05e-03	
18.0	28	0.031.01e-03	39.0	29	0.015.73e-04	46.0	30	0.058.92e-04	
18.0	31	0.014.34e-04	39.0	32	0.016.21e-04	46.0	33	0.061.05e-03	
18.0	34	0.031.01e-03	39.0	35	0.015.61e-04	46.0	36	0.058.92e-04	
18.0	37	0.015.39e-04	39.0	38	4.10e-031.89e-04	46.0	39	0.061.03e-03	
18.0	40	0.031.13e-03	39.0	41	0.016.23e-04	46.0	42	0.058.22e-04	
18.0	43	0.015.43e-04	39.0	44	4.11e-031.89e-04	46.0	45	0.061.03e-03	
18.0	46	0.031.13e-03	39.0	47	0.016.24e-04	46.0	48	0.058.23e-04	
18.0	49	0.026.78e-04	39.0	50	0.016.41e-04	46.0	51	0.061.09e-03	
18.0	52	0.031.28e-03	39.0	53	0.028.87e-04	46.0	54	0.058.50e-04	
18.0	55	0.026.74e-04	39.0	56	0.016.35e-04	46.0	57	0.061.09e-03	
18.0	58	0.031.28e-03	39.0	59	0.028.83e-04	46.0	60	0.058.51e-04	
18.0	61	0.029.55e-04	39.0	62	0.041.92e-03	46.0	63	0.071.32e-03	
18.0	64	0.041.51e-03	39.0	65	0.042.03e-03	46.0	66	0.058.11e-04	
18.0	67	0.029.39e-04	39.0	68	0.041.92e-03	46.0	69	0.071.33e-03	
18.0	70	0.041.49e-03	39.0	71	0.042.02e-03	46.0	72	0.048.06e-04	
18.0	73	0.031.01e-03	39.0	74	0.062.72e-03	46.0	75	0.071.26e-03	
18.0	76	0.041.56e-03	39.0	77	0.062.83e-03	46.0	78	0.058.28e-04	
18.0	79	0.039.93e-04	39.0	80	0.062.70e-03	46.0	81	0.081.44e-03	
18.0	82	0.041.55e-03	39.0	83	0.062.81e-03	46.0	84	0.047.91e-04	

69	1	0.031.08e-03	39.0	2	0.062.83e-03	46.0	3	0.081.44e-03
18.0								
	4	0.029.13e-04	39.0	5	0.042.05e-03	46.0	6	0.111.93e-03
18.0								
	7	0.031.10e-03	39.0	8	0.062.84e-03	46.0	9	0.091.68e-03
18.0								
	10	0.029.36e-04	39.0	11	0.041.78e-03	46.0	12	0.111.93e-03
18.0								
	13	0.031.08e-03	39.0	14	0.041.81e-03	46.0	15	0.071.19e-03
18.0								
	16	0.028.24e-04	39.0	17	9.62e-034.42e-04	46.0	18	0.071.28e-03
18.0								
	19	0.031.10e-03	39.0	20	0.031.53e-03	46.0	21	0.071.19e-03
18.0								
	22	0.028.44e-04	39.0	23	3.80e-031.75e-04	46.0	24	0.071.28e-03
18.0								
	25	0.039.86e-04	39.0	26	0.016.30e-04	46.0	27	0.058.93e-04
18.0								
	28	9.51e-033.71e-04	39.0	29	0.016.18e-04	46.0	30	0.061.05e-03
18.0								
	31	0.039.89e-04	39.0	32	0.015.42e-04	46.0	33	0.058.94e-04
18.0								
	34	0.014.79e-04	39.0	35	0.016.24e-04	46.0	36	0.061.05e-03
18.0								
	37	0.031.13e-03	39.0	38	0.016.23e-04	46.0	39	0.058.22e-04
18.0								
	40	0.015.42e-04	39.0	41	4.11e-031.89e-04	46.0	42	0.061.03e-03
18.0								
	43	0.031.13e-03	39.0	44	0.016.23e-04	46.0	45	0.058.23e-04
18.0								
	46	0.015.46e-04	39.0	47	4.11e-031.89e-04	46.0	48	0.061.03e-03
18.0								
	49	0.031.30e-03	39.0	50	0.028.96e-04	46.0	51	0.058.12e-04
18.0								
	52	0.026.95e-04	39.0	53	0.016.40e-04	46.0	54	0.061.09e-03
18.0								
	55	0.031.30e-03	39.0	56	0.028.92e-04	46.0	57	0.058.49e-04
18.0								
	58	0.026.95e-04	39.0	59	0.016.35e-04	46.0	60	0.061.09e-03
18.0								
	61	0.041.53e-03	39.0	62	0.042.04e-03	46.0	63	0.058.55e-04
18.0								
	64	0.029.65e-04	39.0	65	0.041.92e-03	46.0	66	0.071.33e-03
18.0								
	67	0.041.53e-03	39.0	68	0.042.03e-03	46.0	69	0.047.94e-04
18.0								
	70	0.029.56e-04	39.0	71	0.041.91e-03	46.0	72	0.071.33e-03
18.0								
	73	0.041.59e-03	39.0	74	0.062.83e-03	46.0	75	0.058.91e-04
18.0								
	76	0.031.02e-03	39.0	77	0.062.71e-03	46.0	78	0.081.35e-03
18.0								
	79	0.041.58e-03	39.0	80	0.062.82e-03	46.0	81	0.047.97e-04
18.0								
	82	0.031.01e-03	39.0	83	0.062.70e-03	46.0	84	0.091.55e-03
18.0								
70	1	0.027.46e-04	39.0	2	0.062.72e-03	46.0	3	0.061.06e-03
18.0								
	4	0.029.60e-04	39.0	5	0.062.74e-03	46.0	6	0.071.22e-03
18.0								
	7	0.027.21e-04	39.0	8	0.062.71e-03	46.0	9	0.059.85e-04
18.0								
	10	0.029.41e-04	39.0	11	0.062.73e-03	46.0	12	0.081.43e-03
18.0								
	13	0.026.77e-04	39.0	14	0.041.89e-03	46.0	15	0.061.05e-03
18.0								
	16	0.039.89e-04	39.0	17	0.041.96e-03	46.0	18	0.071.18e-03
18.0								
	19	0.026.55e-04	39.0	20	0.041.89e-03	46.0	21	0.069.95e-04
18.0								
	22	0.029.74e-04	39.0	23	0.041.95e-03	46.0	24	0.071.18e-03
18.0								
	25	9.97e-033.89e-04	39.0	26	0.015.72e-04	46.0	27	0.061.02e-03
18.0								
	28	0.029.63e-04	39.0	29	0.027.99e-04	46.0	30	0.058.91e-04
18.0								

18.0	31	9.73e-03	3.79e-04	39.0	32	0.01566e-04	46.0	33	0.06105e-03	
18.0	34	0.02960e-04		39.0	35	0.02793e-04	46.0	36	0.05892e-04	
18.0	37	0.01531e-04		39.0	38	4.18e-03	1.92e-04	46.0	39	0.06103e-03
18.0	40	0.03114e-03		39.0	41	0.01622e-04	46.0	42	0.05822e-04	
18.0	43	0.01533e-04		39.0	44	4.20e-03	1.93e-04	46.0	45	0.06103e-03
18.0	46	0.03114e-03		39.0	47	0.01622e-04	46.0	48	0.05823e-04	
18.0	49	0.02726e-04		39.0	50	8.91e-03	4.10e-04	46.0	51	0.06109e-03
18.0	52	0.03130e-03		39.0	53	0.02925e-04	46.0	54	0.05850e-04	
18.0	55	0.02734e-04		39.0	56	5.76e-03	2.65e-04	46.0	57	0.06109e-03
18.0	58	0.03133e-03		39.0	59	0.02930e-04	46.0	60	0.05851e-04	
18.0	61	0.03106e-03		39.0	62	0.04176e-03	46.0	63	0.07134e-03	
18.0	64	0.04160e-03		39.0	65	0.02869e-04	46.0	66	0.06114e-03	
18.0	67	0.03108e-03		39.0	68	0.03148e-03	46.0	69	0.07134e-03	
18.0	70	0.04162e-03		39.0	71	0.02766e-04	46.0	72	0.06114e-03	
18.0	73	0.03113e-03		39.0	74	0.06280e-03	46.0	75	0.09156e-03	
18.0	76	0.04167e-03		39.0	77	0.05220e-03	46.0	78	0.10184e-03	
18.0	79	0.03115e-03		39.0	80	0.06282e-03	46.0	81	0.10179e-03	
18.0	82	0.04169e-03		39.0	83	0.04196e-03	46.0	84	0.10185e-03	
18.0	71	1	0.03983e-04	39.0	2	0.06275e-03	46.0	3	0.06111e-03	
18.0	4	0.02736e-04		39.0	5	0.06272e-03	46.0	6	0.06101e-03	
18.0	7	0.02971e-04		39.0	8	0.06274e-03	46.0	9	0.07131e-03	
18.0	10	0.02714e-04		39.0	11	0.06270e-03	46.0	12	0.05980e-04	
18.0	13	0.03101e-03		39.0	14	0.04197e-03	46.0	15	0.06117e-03	
18.0	16	0.02673e-04		39.0	17	0.04189e-03	46.0	18	0.06101e-03	
18.0	19	0.03100e-03		39.0	20	0.04196e-03	46.0	21	0.07118e-03	
18.0	22	0.02655e-04		39.0	23	0.04188e-03	46.0	24	0.06100e-03	
18.0	25	0.03983e-04		39.0	26	0.02807e-04	46.0	27	0.05890e-04	
18.0	28	0.01402e-04		39.0	29	0.01569e-04	46.0	30	0.06105e-03	
18.0	31	0.03983e-04		39.0	32	0.02802e-04	46.0	33	0.05890e-04	
18.0	34	0.01397e-04		39.0	35	0.01563e-04	46.0	36	0.06105e-03	
18.0	37	0.03114e-03		39.0	38	0.01622e-04	46.0	39	0.05822e-04	
18.0	40	0.01532e-04		39.0	41	4.19e-03	1.93e-04	46.0	42	0.06103e-03
18.0	43	0.03114e-03		39.0	44	0.01622e-04	46.0	45	0.05823e-04	
18.0	46	0.01534e-04		39.0	47	4.22e-03	1.94e-04	46.0	48	0.06103e-03
18.0	49	0.03128e-03		39.0	50	0.02917e-04	46.0	51	0.05852e-04	
18.0	52	0.02712e-04		39.0	53	6.51e-03	3.00e-04	46.0	54	0.06109e-03
18.0	55	0.03129e-03		39.0	56	0.02921e-04	46.0	57	0.05853e-04	
18.0	58	0.02718e-04		39.0	59	6.06e-03	2.79e-04	46.0	60	0.06109e-03

18.0	61	0.04158e-03	39.0	62	0.02954e-04	46.0	63	0.06114e-03	
18.0	64	0.03105e-03	39.0	65	0.03160e-03	46.0	66	0.07134e-03	
18.0	67	0.04159e-03	39.0	68	0.02800e-04	46.0	69	0.06114e-03	
18.0	70	0.03107e-03	39.0	71	0.03133e-03	46.0	72	0.07134e-03	
18.0	73	0.04165e-03	39.0	74	0.05235e-03	46.0	75	0.10184e-03	
18.0	76	0.03113e-03	39.0	77	0.06281e-03	46.0	78	0.09169e-03	
18.0	79	0.04166e-03	39.0	80	0.05208e-03	46.0	81	0.10185e-03	
18.0	82	0.03114e-03	39.0	83	0.06282e-03	46.0	84	0.11192e-03	
18.0	72	1	0.03114e-03	39.0	2	0.06282e-03	46.0	3	0.11192e-03
18.0	4	0.04166e-03	39.0	5	0.05208e-03	46.0	6	0.10185e-03	
18.0	7	0.03113e-03	39.0	8	0.06281e-03	46.0	9	0.09169e-03	
18.0	10	0.04165e-03	39.0	11	0.05235e-03	46.0	12	0.10184e-03	
18.0	13	0.03107e-03	39.0	14	0.03133e-03	46.0	15	0.07134e-03	
18.0	16	0.04158e-03	39.0	17	0.02800e-04	46.0	18	0.06114e-03	
18.0	19	0.03105e-03	39.0	20	0.03160e-03	46.0	21	0.07134e-03	
18.0	22	0.04158e-03	39.0	23	0.02954e-04	46.0	24	0.06114e-03	
18.0	25	0.02718e-04	39.0	26	6.06e-032.79e-04	46.0	27	0.06109e-03	
18.0	28	0.03129e-03	39.0	29	0.02921e-04	46.0	30	0.05852e-04	
18.0	31	0.02712e-04	39.0	32	6.51e-033.00e-04	46.0	33	0.06109e-03	
18.0	34	0.03128e-03	39.0	35	0.02917e-04	46.0	36	0.05852e-04	
18.0	37	0.01534e-04	39.0	38	4.23e-031.94e-04	46.0	39	0.06103e-03	
18.0	40	0.03114e-03	39.0	41	0.01622e-04	46.0	42	0.05822e-04	
18.0	43	0.01532e-04	39.0	44	4.19e-031.93e-04	46.0	45	0.06103e-03	
18.0	46	0.03114e-03	39.0	47	0.01622e-04	46.0	48	0.05823e-04	
18.0	49	0.01397e-04	39.0	50	0.01563e-04	46.0	51	0.06105e-03	
18.0	52	0.03983e-04	39.0	53	0.02802e-04	46.0	54	0.05890e-04	
18.0	55	0.01402e-04	39.0	56	0.01569e-04	46.0	57	0.06105e-03	
18.0	58	0.03983e-04	39.0	59	0.02806e-04	46.0	60	0.05890e-04	
18.0	61	0.02655e-04	39.0	62	0.04188e-03	46.0	63	0.06100e-03	
18.0	64	0.03100e-03	39.0	65	0.04196e-03	46.0	66	0.07118e-03	
18.0	67	0.02673e-04	39.0	68	0.04189e-03	46.0	69	0.06101e-03	
18.0	70	0.03101e-03	39.0	71	0.04197e-03	46.0	72	0.06117e-03	
18.0	73	0.02714e-04	39.0	74	0.06270e-03	46.0	75	0.05979e-04	
18.0	76	0.02971e-04	39.0	77	0.06274e-03	46.0	78	0.07131e-03	
18.0	79	0.02736e-04	39.0	80	0.06272e-03	46.0	81	0.06101e-03	
18.0	82	0.03984e-04	39.0	83	0.06275e-03	46.0	84	0.06111e-03	
18.0	73	1	0.04169e-03	39.0	2	0.04196e-03	46.0	3	0.10185e-03
18.0	4	0.03115e-03	39.0	5	0.06282e-03	46.0	6	0.10179e-03	
18.0									

18.0	7	0.04167e-03	39.0	8	0.05220e-03	46.0	9	0.10184e-03
18.0	10	0.03113e-03	39.0	11	0.06280e-03	46.0	12	0.09156e-03
18.0	13	0.04162e-03	39.0	14	0.02766e-04	46.0	15	0.06114e-03
18.0	16	0.03108e-03	39.0	17	0.03148e-03	46.0	18	0.07134e-03
18.0	19	0.04160e-03	39.0	20	0.02869e-04	46.0	21	0.06114e-03
18.0	22	0.03106e-03	39.0	23	0.04176e-03	46.0	24	0.07134e-03
18.0	25	0.03133e-03	39.0	26	0.02930e-04	46.0	27	0.05850e-04
18.0	28	0.02734e-04	39.0	29	5.76e-032.65e-04	46.0	30	0.06109e-03
18.0	31	0.03130e-03	39.0	32	0.02925e-04	46.0	33	0.05851e-04
18.0	34	0.02726e-04	39.0	35	8.92e-034.10e-04	46.0	36	0.06109e-03
18.0	37	0.03114e-03	39.0	38	0.01622e-04	46.0	39	0.05822e-04
18.0	40	0.01533e-04	39.0	41	4.20e-031.93e-04	46.0	42	0.06103e-03
18.0	43	0.03114e-03	39.0	44	0.01622e-04	46.0	45	0.05823e-04
18.0	46	0.01531e-04	39.0	47	4.18e-031.92e-04	46.0	48	0.06103e-03
18.0	49	0.02960e-04	39.0	50	0.02793e-04	46.0	51	0.05891e-04
18.0	52	9.73e-033.80e-04	39.0	53	0.01565e-04	46.0	54	0.06105e-03
18.0	55	0.02963e-04	39.0	56	0.02798e-04	46.0	57	0.05892e-04
18.0	58	9.97e-033.89e-04	39.0	59	0.01572e-04	46.0	60	0.06102e-03
18.0	61	0.02974e-04	39.0	62	0.04195e-03	46.0	63	0.07118e-03
18.0	64	0.02655e-04	39.0	65	0.04189e-03	46.0	66	0.06994e-04
18.0	67	0.03989e-04	39.0	68	0.04196e-03	46.0	69	0.07118e-03
18.0	70	0.02678e-04	39.0	71	0.04189e-03	46.0	72	0.06105e-03
18.0	73	0.02941e-04	39.0	74	0.06273e-03	46.0	75	0.08143e-03
18.0	76	0.02721e-04	39.0	77	0.06271e-03	46.0	78	0.05984e-04
18.0	79	0.02961e-04	39.0	80	0.06274e-03	46.0	81	0.07122e-03
18.0	82	0.02746e-04	39.0	83	0.06272e-03	46.0	84	0.06107e-03
18.0	74	0.03101e-03	39.0	2	0.06270e-03	46.0	3	0.09155e-03
18.0	4	0.04158e-03	39.0	5	0.06282e-03	46.0	6	0.04796e-04
18.0	7	0.03102e-03	39.0	8	0.06271e-03	46.0	9	0.08135e-03
18.0	10	0.04159e-03	39.0	11	0.06283e-03	46.0	12	0.05892e-04
18.0	13	0.02956e-04	39.0	14	0.04191e-03	46.0	15	0.07133e-03
18.0	16	0.04153e-03	39.0	17	0.04203e-03	46.0	18	0.04793e-04
18.0	19	0.02965e-04	39.0	20	0.04192e-03	46.0	21	0.07133e-03
18.0	22	0.04153e-03	39.0	23	0.04204e-03	46.0	24	0.05856e-04
18.0	25	0.02695e-04	39.0	26	0.01635e-04	46.0	27	0.06109e-03
18.0	28	0.03130e-03	39.0	29	0.02892e-04	46.0	30	0.05848e-04
18.0	31	0.02695e-04	39.0	32	0.01640e-04	46.0	33	0.06109e-03
18.0	34	0.03130e-03	39.0	35	0.02896e-04	46.0	36	0.05813e-04

18.0	37	0.015.46e-04	39.0	38	4.11e-03 1.89e-04	46.0	39	0.06 1.03e-03	
18.0	40	0.03 1.13e-03	39.0	41	0.01 6.23e-04	46.0	42	0.05 8.22e-04	
18.0	43	0.01 5.41e-04	39.0	44	4.11e-03 1.89e-04	46.0	45	0.06 1.03e-03	
18.0	46	0.03 1.13e-03	39.0	47	0.01 6.23e-04	46.0	48	0.05 8.23e-04	
18.0	49	0.01 4.79e-04	39.0	50	0.01 6.24e-04	46.0	51	0.06 1.05e-03	
18.0	52	0.03 9.89e-04	39.0	53	0.01 5.42e-04	46.0	54	0.05 8.93e-04	
18.0	55	9.51e-03 3.71e-04	39.0	56	0.01 6.17e-04	46.0	57	0.06 1.05e-03	
18.0	58	0.03 9.86e-04	39.0	59	0.01 6.31e-04	46.0	60	0.05 8.93e-04	
18.0	61	0.02 8.44e-04	39.0	62	3.81e-03 1.75e-04	46.0	63	0.07 1.28e-03	
18.0	64	0.03 1.10e-03	39.0	65	0.03 1.53e-03	46.0	66	0.07 1.19e-03	
18.0	67	0.02 8.24e-04	39.0	68	9.60e-03 4.41e-04	46.0	69	0.07 1.28e-03	
18.0	70	0.03 1.08e-03	39.0	71	0.04 1.81e-03	46.0	72	0.07 1.19e-03	
18.0	73	0.02 9.36e-04	39.0	74	0.04 1.78e-03	46.0	75	0.11 1.93e-03	
18.0	76	0.03 1.10e-03	39.0	77	0.06 2.84e-03	46.0	78	0.09 1.68e-03	
18.0	79	0.02 9.13e-04	39.0	80	0.04 2.05e-03	46.0	81	0.11 1.93e-03	
18.0	82	0.03 1.08e-03	39.0	83	0.06 2.83e-03	46.0	84	0.08 1.44e-03	
18.0	75	1	0.04 1.55e-03	39.0	2	0.06 2.81e-03	46.0	3	0.04 7.91e-04
18.0	4	0.03 9.94e-04	39.0	5	0.06 2.70e-03	46.0	6	0.08 1.44e-03	
18.0	7	0.04 1.56e-03	39.0	8	0.06 2.83e-03	46.0	9	0.05 8.29e-04	
18.0	10	0.03 1.01e-03	39.0	11	0.06 2.72e-03	46.0	12	0.07 1.26e-03	
18.0	13	0.04 1.49e-03	39.0	14	0.04 2.02e-03	46.0	15	0.04 8.06e-04	
18.0	16	0.02 9.39e-04	39.0	17	0.04 1.92e-03	46.0	18	0.07 1.33e-03	
18.0	19	0.04 1.51e-03	39.0	20	0.04 2.03e-03	46.0	21	0.05 8.11e-04	
18.0	22	0.02 9.55e-04	39.0	23	0.04 1.92e-03	46.0	24	0.07 1.32e-03	
18.0	25	0.03 1.28e-03	39.0	26	0.02 8.83e-04	46.0	27	0.05 8.50e-04	
18.0	28	0.02 6.74e-04	39.0	29	0.01 6.35e-04	46.0	30	0.06 1.09e-03	
18.0	31	0.03 1.28e-03	39.0	32	0.02 8.87e-04	46.0	33	0.05 8.51e-04	
18.0	34	0.02 6.78e-04	39.0	35	0.01 6.41e-04	46.0	36	0.06 1.09e-03	
18.0	37	0.03 1.13e-03	39.0	38	0.01 6.24e-04	46.0	39	0.05 8.22e-04	
18.0	40	0.01 5.43e-04	39.0	41	4.11e-03 1.89e-04	46.0	42	0.06 1.03e-03	
18.0	43	0.03 1.13e-03	39.0	44	0.01 6.23e-04	46.0	45	0.05 8.23e-04	
18.0	46	0.01 5.39e-04	39.0	47	4.10e-03 1.89e-04	46.0	48	0.06 1.03e-03	
18.0	49	0.03 1.01e-03	39.0	50	0.01 5.61e-04	46.0	51	0.05 8.92e-04	
18.0	52	0.01 4.34e-04	39.0	53	0.01 6.21e-04	46.0	54	0.06 1.05e-03	
18.0	55	0.03 1.01e-03	39.0	56	0.01 5.73e-04	46.0	57	0.05 8.92e-04	
18.0	58	9.74e-03 3.80e-04	39.0	59	0.01 6.15e-04	46.0	60	0.06 1.05e-03	
18.0	61	0.03 1.12e-03	39.0	62	0.03 1.40e-03	46.0	63	0.07 1.19e-03	
18.0	64	0.02 8.41e-04	39.0	65	6.95e-03 3.20e-04	46.0	66	0.07 1.29e-03	

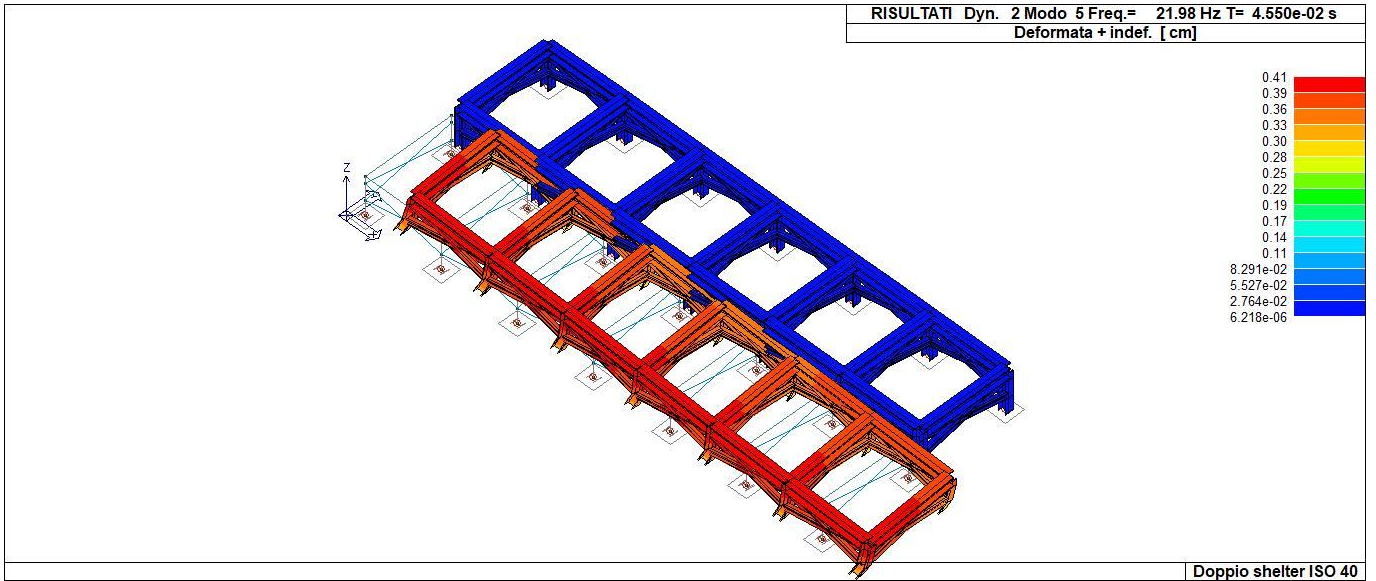
18.0	67	0.031.11e-03	39.0	68	0.041.66e-03	46.0	69	0.071.19e-03	
18.0	70	0.028.19e-04	39.0	71	0.016.01e-04	46.0	72	0.071.28e-03	
18.0	73	0.031.12e-03	39.0	74	0.062.85e-03	46.0	75	0.101.81e-03	
18.0	76	0.029.27e-04	39.0	77	0.041.92e-03	46.0	78	0.111.93e-03	
18.0	79	0.031.10e-03	39.0	80	0.062.84e-03	46.0	81	0.091.57e-03	
18.0	82	0.029.02e-04	39.0	83	0.052.20e-03	46.0	84	0.111.93e-03	
18.0	76	1	0.031.13e-03	39.0	2	0.062.80e-03	46.0	3	0.091.56e-03
18.0	4	0.041.67e-03	39.0	5	0.052.20e-03	46.0	6	0.101.84e-03	
18.0	7	0.031.15e-03	39.0	8	0.062.82e-03	46.0	9	0.101.79e-03	
18.0	10	0.041.69e-03	39.0	11	0.041.96e-03	46.0	12	0.101.85e-03	
18.0	13	0.031.06e-03	39.0	14	0.041.76e-03	46.0	15	0.071.34e-03	
18.0	16	0.041.60e-03	39.0	17	0.028.69e-04	46.0	18	0.061.14e-03	
18.0	19	0.031.08e-03	39.0	20	0.031.48e-03	46.0	21	0.071.34e-03	
18.0	22	0.041.62e-03	39.0	23	0.027.65e-04	46.0	24	0.061.14e-03	
18.0	25	0.027.26e-04	39.0	26	8.91e-034.10e-04	46.0	27	0.061.09e-03	
18.0	28	0.031.30e-03	39.0	29	0.029.25e-04	46.0	30	0.058.50e-04	
18.0	31	0.027.34e-04	39.0	32	5.76e-032.65e-04	46.0	33	0.061.09e-03	
18.0	34	0.031.33e-03	39.0	35	0.029.30e-04	46.0	36	0.058.51e-04	
18.0	37	0.015.31e-04	39.0	38	4.18e-031.92e-04	46.0	39	0.061.03e-03	
18.0	40	0.031.14e-03	39.0	41	0.016.22e-04	46.0	42	0.058.22e-04	
18.0	43	0.015.33e-04	39.0	44	4.20e-031.93e-04	46.0	45	0.061.03e-03	
18.0	46	0.031.14e-03	39.0	47	0.016.22e-04	46.0	48	0.058.23e-04	
18.0	49	9.97e-033.89e-04	39.0	50	0.015.72e-04	46.0	51	0.061.02e-03	
18.0	52	0.029.63e-04	39.0	53	0.027.98e-04	46.0	54	0.058.91e-04	
18.0	55	9.73e-033.79e-04	39.0	56	0.015.66e-04	46.0	57	0.061.05e-03	
18.0	58	0.029.60e-04	39.0	59	0.027.93e-04	46.0	60	0.058.92e-04	
18.0	61	0.026.78e-04	39.0	62	0.041.89e-03	46.0	63	0.061.05e-03	
18.0	64	0.039.89e-04	39.0	65	0.041.96e-03	46.0	66	0.071.18e-03	
18.0	67	0.026.55e-04	39.0	68	0.041.89e-03	46.0	69	0.069.95e-04	
18.0	70	0.029.74e-04	39.0	71	0.041.95e-03	46.0	72	0.071.18e-03	
18.0	73	0.027.46e-04	39.0	74	0.062.72e-03	46.0	75	0.061.06e-03	
18.0	76	0.029.60e-04	39.0	77	0.062.74e-03	46.0	78	0.071.22e-03	
18.0	79	0.027.21e-04	39.0	80	0.062.71e-03	46.0	81	0.059.85e-04	
18.0	82	0.029.41e-04	39.0	83	0.062.73e-03	46.0	84	0.081.43e-03	
18.0	77	1	0.041.65e-03	39.0	2	0.052.35e-03	46.0	3	0.101.84e-03
18.0	4	0.031.13e-03	39.0	5	0.062.81e-03	46.0	6	0.091.69e-03	
18.0	7	0.041.66e-03	39.0	8	0.052.08e-03	46.0	9	0.101.85e-03	
18.0	10	0.031.14e-03	39.0	11	0.062.82e-03	46.0	12	0.111.91e-03	

18.0	13	0.04158e-03	39.0	14	0.02954e-04	46.0	15	0.06114e-03
18.0	16	0.03105e-03	39.0	17	0.03160e-03	46.0	18	0.07134e-03
18.0	19	0.04159e-03	39.0	20	0.02800e-04	46.0	21	0.06114e-03
18.0	22	0.03107e-03	39.0	23	0.03133e-03	46.0	24	0.07134e-03
18.0	25	0.03128e-03	39.0	26	0.02917e-04	46.0	27	0.05852e-04
18.0	28	0.02712e-04	39.0	29	6.52e-033.00e-04	46.0	30	0.06109e-03
18.0	31	0.03129e-03	39.0	32	0.02921e-04	46.0	33	0.05853e-04
18.0	34	0.02717e-04	39.0	35	6.06e-032.79e-04	46.0	36	0.06109e-03
18.0	37	0.03114e-03	39.0	38	0.01622e-04	46.0	39	0.05822e-04
18.0	40	0.01532e-04	39.0	41	4.20e-031.93e-04	46.0	42	0.06103e-03
18.0	43	0.03114e-03	39.0	44	0.01622e-04	46.0	45	0.05823e-04
18.0	46	0.01534e-04	39.0	47	4.22e-031.94e-04	46.0	48	0.06103e-03
18.0	49	0.03983e-04	39.0	50	0.02807e-04	46.0	51	0.05890e-04
18.0	52	0.01402e-04	39.0	53	0.01569e-04	46.0	54	0.06105e-03
18.0	55	0.03983e-04	39.0	56	0.02802e-04	46.0	57	0.05890e-04
18.0	58	0.01397e-04	39.0	59	0.01563e-04	46.0	60	0.06105e-03
18.0	61	0.03101e-03	39.0	62	0.04197e-03	46.0	63	0.06117e-03
18.0	64	0.02673e-04	39.0	65	0.04189e-03	46.0	66	0.06101e-03
18.0	67	0.03100e-03	39.0	68	0.04196e-03	46.0	69	0.07118e-03
18.0	70	0.02655e-04	39.0	71	0.04188e-03	46.0	72	0.06100e-03
18.0	73	0.03983e-04	39.0	74	0.06275e-03	46.0	75	0.06111e-03
18.0	76	0.02736e-04	39.0	77	0.06272e-03	46.0	78	0.06101e-03
18.0	79	0.02971e-04	39.0	80	0.06274e-03	46.0	81	0.07131e-03
18.0	82	0.02714e-04	39.0	83	0.06270e-03	46.0	84	0.05980e-04
18.0	78	0.03101e-03	39.0	2	0.06272e-03	46.0	3	0.07126e-03
18.0	4	0.04156e-03	39.0	5	0.06283e-03	46.0	6	0.05828e-04
18.0	7	0.03993e-04	39.0	8	0.06270e-03	46.0	9	0.08144e-03
18.0	10	0.04155e-03	39.0	11	0.06281e-03	46.0	12	0.04791e-04
18.0	13	0.02955e-04	39.0	14	0.04192e-03	46.0	15	0.07132e-03
18.0	16	0.04151e-03	39.0	17	0.04203e-03	46.0	18	0.05811e-04
18.0	19	0.02939e-04	39.0	20	0.04192e-03	46.0	21	0.07133e-03
18.0	22	0.04149e-03	39.0	23	0.04202e-03	46.0	24	0.04806e-04
18.0	25	0.02678e-04	39.0	26	0.01641e-04	46.0	27	0.06109e-03
18.0	28	0.03128e-03	39.0	29	0.02887e-04	46.0	30	0.05850e-04
18.0	31	0.02674e-04	39.0	32	0.01635e-04	46.0	33	0.06109e-03
18.0	34	0.03128e-03	39.0	35	0.02883e-04	46.0	36	0.05851e-04
18.0	37	0.01539e-04	39.0	38	4.11e-031.89e-04	46.0	39	0.06103e-03
18.0	40	0.03113e-03	39.0	41	0.01623e-04	46.0	42	0.05822e-04

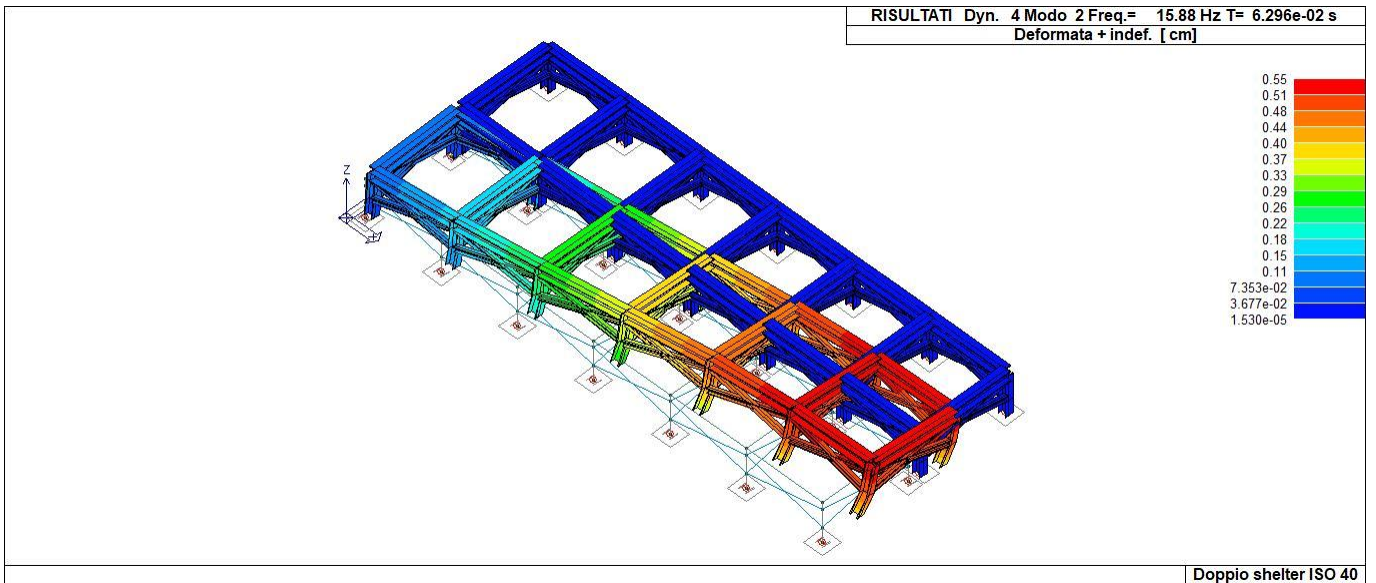
18.0	43	0.015.43e-04	39.0	44	4.11e-03 1.89e-04	46.0	45	0.06 1.03e-03	
18.0	46	0.03 1.13e-03	39.0	47	0.01 6.24e-04	46.0	48	0.05 8.23e-04	
18.0	49	9.74e-03 3.80e-04	39.0	50	0.01 6.15e-04	46.0	51	0.06 1.05e-03	
18.0	52	0.03 1.01e-03	39.0	53	0.01 5.74e-04	46.0	54	0.05 8.92e-04	
18.0	55	0.01 4.34e-04	39.0	56	0.01 6.21e-04	46.0	57	0.06 1.05e-03	
18.0	58	0.03 1.01e-03	39.0	59	0.01 5.61e-04	46.0	60	0.05 8.92e-04	
18.0	61	0.02 8.19e-04	39.0	62	0.01 6.01e-04	46.0	63	0.07 1.28e-03	
18.0	64	0.03 1.11e-03	39.0	65	0.04 1.66e-03	46.0	66	0.07 1.19e-03	
18.0	67	0.02 8.41e-04	39.0	68	6.94e-03 3.19e-04	46.0	69	0.07 1.29e-03	
18.0	70	0.03 1.12e-03	39.0	71	0.03 1.40e-03	46.0	72	0.07 1.19e-03	
18.0	73	0.02 9.02e-04	39.0	74	0.05 2.20e-03	46.0	75	0.11 1.93e-03	
18.0	76	0.03 1.10e-03	39.0	77	0.06 2.84e-03	46.0	78	0.09 1.57e-03	
18.0	79	0.02 9.27e-04	39.0	80	0.04 1.92e-03	46.0	81	0.11 1.93e-03	
18.0	82	0.03 1.12e-03	39.0	83	0.06 2.85e-03	46.0	84	0.10 1.81e-03	
18.0	79	1	0.04 1.59e-03	39.0	2	0.06 2.83e-03	46.0	3	0.05 8.91e-04
18.0	4	0.03 1.02e-03	39.0	5	0.06 2.71e-03	46.0	6	0.08 1.35e-03	
18.0	7	0.04 1.58e-03	39.0	8	0.06 2.82e-03	46.0	9	0.04 7.97e-04	
18.0	10	0.03 1.01e-03	39.0	11	0.06 2.70e-03	46.0	12	0.09 1.55e-03	
18.0	13	0.04 1.53e-03	39.0	14	0.04 2.04e-03	46.0	15	0.05 8.55e-04	
18.0	16	0.02 9.65e-04	39.0	17	0.04 1.92e-03	46.0	18	0.07 1.33e-03	
18.0	19	0.04 1.53e-03	39.0	20	0.04 2.03e-03	46.0	21	0.04 7.94e-04	
18.0	22	0.02 9.56e-04	39.0	23	0.04 1.91e-03	46.0	24	0.07 1.33e-03	
18.0	25	0.03 1.30e-03	39.0	26	0.02 8.96e-04	46.0	27	0.05 8.12e-04	
18.0	28	0.02 6.95e-04	39.0	29	0.01 6.40e-04	46.0	30	0.06 1.09e-03	
18.0	31	0.03 1.30e-03	39.0	32	0.02 8.92e-04	46.0	33	0.05 8.49e-04	
18.0	34	0.02 6.95e-04	39.0	35	0.01 6.35e-04	46.0	36	0.06 1.09e-03	
18.0	37	0.03 1.13e-03	39.0	38	0.01 6.23e-04	46.0	39	0.05 8.22e-04	
18.0	40	0.01 5.41e-04	39.0	41	4.11e-03 1.89e-04	46.0	42	0.06 1.03e-03	
18.0	43	0.03 1.13e-03	39.0	44	0.01 6.23e-04	46.0	45	0.05 8.23e-04	
18.0	46	0.01 5.46e-04	39.0	47	4.11e-03 1.89e-04	46.0	48	0.06 1.03e-03	
18.0	49	0.03 9.86e-04	39.0	50	0.01 6.30e-04	46.0	51	0.05 8.93e-04	
18.0	52	9.51e-03 3.71e-04	39.0	53	0.01 6.18e-04	46.0	54	0.06 1.05e-03	
18.0	55	0.03 9.89e-04	39.0	56	0.01 5.42e-04	46.0	57	0.05 8.94e-04	
18.0	58	0.01 4.79e-04	39.0	59	0.01 6.24e-04	46.0	60	0.06 1.05e-03	
18.0	61	0.03 1.08e-03	39.0	62	0.04 1.81e-03	46.0	63	0.07 1.19e-03	
18.0	64	0.02 8.24e-04	39.0	65	9.61e-03 4.42e-04	46.0	66	0.07 1.28e-03	
18.0	67	0.03 1.10e-03	39.0	68	0.03 1.53e-03	46.0	69	0.07 1.19e-03	
18.0	70	0.02 8.44e-04	39.0	71	3.80e-03 1.75e-04	46.0	72	0.07 1.28e-03	

18.0	73	0.031.08e-03	39.0	74	0.062.83e-03	46.0	75	0.081.44e-03
18.0	76	0.029.13e-04	39.0	77	0.042.05e-03	46.0	78	0.111.93e-03
18.0	79	0.031.10e-03	39.0	80	0.062.84e-03	46.0	81	0.091.68e-03
18.0	82	0.029.36e-04	39.0	83	0.041.78e-03	46.0	84	0.111.93e-03

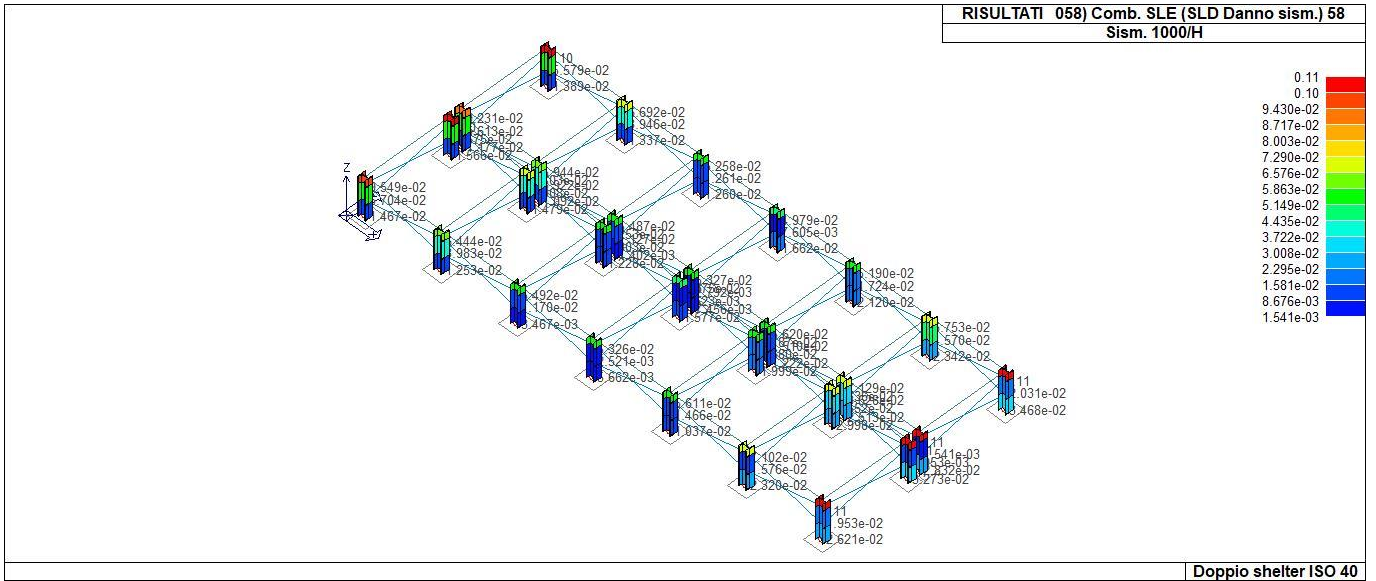
Cmb **1000 etaT/h**
 0.11



31_RIS_MODALOX_005_CDCEd dinamico SLU alfa00 ecc +



31_RIS_MODALOY_002_CDCEd dinamico SLU alfa9000 ecc +



31_RIS_SLE_058_Comb SLE SLD Danno sism 58

RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Z	Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione
			cm	cm	cm			
	1	1	-5.16e-03	-1.25e-04	-0.10	5.78e-06	4.02e-06	0.0
	1	11	-3.97e-03	-9.60e-05	-0.08	4.45e-06	3.09e-06	0.0
	1	19	-6.95e-03	-5.04e-04	-0.08	8.25e-06	-1.83e-05	0.0
	1	41	-2.77e-03	-6.01e-03	-0.08	5.88e-05	1.15e-05	0.0
	1	43	-4.49e-03	-5.84e-03	-0.08	5.73e-05	0.0	0.0
	1	51	-5.71e-03	-3.55e-04	-0.08	6.86e-06	-9.40e-06	0.0
	1	73	-3.25e-03	-4.01e-03	-0.08	4.04e-05	8.15e-06	0.0
	1	75	-4.25e-03	-3.91e-03	-0.08	3.95e-05	0.0	0.0
	1	80	-3.97e-03	-9.60e-05	-0.08	4.45e-06	3.09e-06	0.0
	1	81	-3.97e-03	-9.60e-05	-0.08	4.45e-06	3.09e-06	0.0
	1	82	-3.97e-03	-9.60e-05	-0.08	4.45e-06	3.09e-06	0.0
	2	1	-4.15e-03	-5.23e-04	-0.10	1.52e-05	5.07e-05	-1.93e-06
	2	11	-3.19e-03	-4.02e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
	2	19	-6.84e-03	-9.30e-04	-0.08	1.38e-05	2.67e-05	-4.69e-06
	2	41	-1.73e-03	-7.99e-03	-0.08	4.03e-05	4.37e-05	3.13e-06
	2	43	-3.84e-03	-7.77e-03	-0.08	3.94e-05	3.65e-05	1.97e-06
	2	51	-5.33e-03	-7.37e-04	-0.08	1.30e-05	3.18e-05	-3.44e-06
	2	73	-2.32e-03	-5.42e-03	-0.08	3.06e-05	4.18e-05	1.39e-06
	2	75	-3.55e-03	-5.29e-03	-0.08	3.01e-05	3.76e-05	0.0
	2	80	-3.19e-03	-4.02e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
	2	81	-3.19e-03	-4.02e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
	2	82	-3.19e-03	-4.02e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
	3	1	-5.66e-04	-8.36e-04	-0.10	-3.11e-05	1.06e-04	1.96e-06
	3	11	-4.35e-04	-6.43e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
	3	19	-4.44e-03	-1.23e-03	-0.08	-2.30e-05	7.71e-05	-1.68e-06
	3	41	1.15e-03	-9.02e-03	-0.08	-1.26e-05	8.35e-05	-1.50e-06
	3	43	-1.17e-03	-8.78e-03	-0.08	-1.30e-05	8.06e-05	-2.59e-06
	3	51	-2.77e-03	-1.02e-03	-0.08	-2.33e-05	7.90e-05	0.0
	3	73	5.17e-04	-6.19e-03	-0.08	-1.64e-05	8.27e-05	0.0
	3	75	-8.36e-04	-6.04e-03	-0.08	-1.67e-05	8.11e-05	-1.01e-06
	3	80	-4.35e-04	-6.43e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
	3	81	-4.35e-04	-6.43e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
	3	82	-4.35e-04	-6.43e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
	4	1	1.59e-03	3.61e-04	-0.10	-1.11e-04	1.36e-04	0.0
	4	11	1.22e-03	2.77e-04	-0.08	-8.54e-05	1.05e-04	0.0
	4	16	5.30e-03	8.86e-04	-0.08	-8.75e-05	1.09e-04	3.14e-06
	4	42	-3.88e-04	8.86e-03	-0.08	-9.60e-05	1.03e-04	3.12e-06
	4	43	4.59e-04	-8.06e-03	-0.08	-7.45e-05	1.04e-04	-4.15e-06
	4	48	3.60e-03	6.63e-04	-0.08	-8.67e-05	1.07e-04	1.93e-06
	4	74	2.56e-04	5.96e-03	-0.08	-9.24e-05	1.04e-04	1.97e-06
	4	75	8.07e-04	-5.25e-03	-0.08	-7.82e-05	1.04e-04	-2.56e-06
	4	80	1.22e-03	2.77e-04	-0.08	-8.54e-05	1.05e-04	0.0
	4	81	1.22e-03	2.77e-04	-0.08	-8.54e-05	1.05e-04	0.0
	4	82	1.22e-03	2.77e-04	-0.08	-8.54e-05	1.05e-04	0.0

5	1	-5.16e-03	1.25e-04	-0.10	-5.78e-06	4.02e-06	0.0
5	11	-3.97e-03	9.60e-05	-0.08	-4.45e-06	3.09e-06	0.0
5	18	-6.63e-03	1.08e-03	-0.08	-1.35e-05	-1.61e-05	0.0
5	42	-4.39e-03	6.01e-03	-0.08	-5.88e-05	0.0	0.0
5	50	-5.52e-03	7.06e-04	-0.08	-1.01e-05	-8.09e-06	0.0
5	74	-4.19e-03	4.01e-03	-0.08	-4.04e-05	1.32e-06	0.0
5	80	-3.97e-03	9.60e-05	-0.08	-4.45e-06	3.09e-06	0.0
5	81	-3.97e-03	9.60e-05	-0.08	-4.45e-06	3.09e-06	0.0
5	82	-3.97e-03	9.60e-05	-0.08	-4.45e-06	3.09e-06	0.0
6	1	-4.15e-03	5.23e-04	-0.10	-1.52e-05	5.07e-05	1.93e-06
6	11	-3.19e-03	4.02e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
6	18	-6.45e-03	1.66e-03	-0.08	-1.65e-05	2.79e-05	1.29e-06
6	42	-3.73e-03	7.99e-03	-0.08	-4.03e-05	3.68e-05	-2.99e-06
6	50	-5.10e-03	1.19e-03	-0.08	-1.47e-05	3.26e-05	1.48e-06
6	74	-3.48e-03	5.42e-03	-0.08	-3.06e-05	3.78e-05	-1.31e-06
6	80	-3.19e-03	4.02e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
6	81	-3.19e-03	4.02e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
6	82	-3.19e-03	4.02e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
7	1	-5.66e-04	8.36e-04	-0.10	3.11e-05	1.06e-04	-1.96e-06
7	11	-4.35e-04	6.43e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
7	18	-4.02e-03	2.04e-03	-0.08	2.30e-05	7.74e-05	-1.80e-06
7	42	-1.05e-03	9.02e-03	-0.08	1.30e-05	8.07e-05	1.54e-06
7	50	-2.53e-03	1.51e-03	-0.08	2.33e-05	7.92e-05	-1.56e-06
7	74	-7.61e-04	6.19e-03	-0.08	1.67e-05	8.11e-05	0.0
7	80	-4.35e-04	6.43e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
7	81	-4.35e-04	6.43e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
7	82	-4.35e-04	6.43e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
8	1	1.59e-03	-3.61e-04	-0.10	1.11e-04	1.36e-04	0.0
8	11	1.22e-03	-2.77e-04	-0.08	8.54e-05	1.05e-04	0.0
8	17	4.87e-03	-1.71e-03	-0.08	8.62e-05	1.08e-04	0.0
8	41	1.86e-03	-8.86e-03	-0.08	9.60e-05	1.05e-04	-3.12e-06
8	42	5.88e-04	8.30e-03	-0.08	7.49e-05	1.04e-04	3.10e-06
8	49	3.35e-03	-1.17e-03	-0.08	8.60e-05	1.07e-04	0.0
8	73	1.56e-03	-5.96e-03	-0.08	9.24e-05	1.05e-04	-1.97e-06
8	74	8.82e-04	5.40e-03	-0.08	7.84e-05	1.04e-04	1.95e-06
8	80	1.22e-03	-2.77e-04	-0.08	8.54e-05	1.05e-04	0.0
8	81	1.22e-03	-2.77e-04	-0.08	8.54e-05	1.05e-04	0.0
8	82	1.22e-03	-2.77e-04	-0.08	8.54e-05	1.05e-04	0.0
9	1	-5.16e-03	-1.25e-04	-0.10	5.79e-06	4.02e-06	0.0
9	11	-3.97e-03	-9.61e-05	-0.08	4.45e-06	3.09e-06	0.0
9	27	-6.63e-03	-1.08e-03	-0.08	1.35e-05	-1.61e-05	0.0
9	47	-4.39e-03	-6.01e-03	-0.08	5.89e-05	0.0	0.0
9	59	-5.52e-03	-7.07e-04	-0.08	1.01e-05	-8.09e-06	0.0
9	79	-4.19e-03	-4.01e-03	-0.08	4.04e-05	1.32e-06	0.0
9	80	-3.97e-03	-9.61e-05	-0.08	4.45e-06	3.09e-06	0.0
9	81	-3.97e-03	-9.61e-05	-0.08	4.45e-06	3.09e-06	0.0
9	82	-3.97e-03	-9.61e-05	-0.08	4.45e-06	3.09e-06	0.0
10	1	-4.15e-03	-5.24e-04	-0.10	1.52e-05	5.07e-05	-1.93e-06
10	11	-3.19e-03	-4.03e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
10	27	-6.45e-03	-1.67e-03	-0.08	1.66e-05	2.79e-05	-1.32e-06
10	47	-3.73e-03	-7.99e-03	-0.08	4.03e-05	3.68e-05	2.99e-06
10	59	-5.10e-03	-1.19e-03	-0.08	1.47e-05	3.25e-05	-1.50e-06
10	79	-3.48e-03	-5.42e-03	-0.08	3.06e-05	3.78e-05	1.31e-06
10	80	-3.19e-03	-4.03e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
10	81	-3.19e-03	-4.03e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
10	82	-3.19e-03	-4.03e-04	-0.08	1.17e-05	3.90e-05	-1.49e-06
11	1	-5.66e-04	-8.37e-04	-0.10	-3.11e-05	1.06e-04	1.96e-06
11	11	-4.35e-04	-6.44e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
11	27	-4.02e-03	-2.05e-03	-0.08	-2.31e-05	7.74e-05	1.77e-06
11	47	-1.05e-03	-9.02e-03	-0.08	-1.30e-05	8.07e-05	-1.56e-06
11	59	-2.53e-03	-1.51e-03	-0.08	-2.34e-05	7.92e-05	1.54e-06
11	79	-7.61e-04	-6.19e-03	-0.08	-1.67e-05	8.11e-05	0.0
11	80	-4.35e-04	-6.44e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
11	81	-4.35e-04	-6.44e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
11	82	-4.35e-04	-6.44e-04	-0.08	-2.39e-05	8.16e-05	1.51e-06
12	1	1.59e-03	3.61e-04	-0.10	-1.11e-04	1.36e-04	0.0
12	11	1.22e-03	2.78e-04	-0.08	-8.55e-05	1.05e-04	0.0
12	24	4.87e-03	1.72e-03	-0.08	-8.63e-05	1.08e-04	0.0
12	44	1.85e-03	8.86e-03	-0.08	-9.60e-05	1.05e-04	3.13e-06
12	47	5.88e-04	-8.30e-03	-0.08	-7.49e-05	1.04e-04	-3.11e-06
12	56	3.35e-03	1.17e-03	-0.08	-8.60e-05	1.07e-04	0.0
12	76	1.56e-03	5.96e-03	-0.08	-9.25e-05	1.05e-04	1.97e-06
12	79	8.82e-04	-5.40e-03	-0.08	-7.85e-05	1.04e-04	-1.96e-06
12	80	1.22e-03	2.78e-04	-0.08	-8.55e-05	1.05e-04	0.0
12	81	1.22e-03	2.78e-04	-0.08	-8.55e-05	1.05e-04	0.0
12	82	1.22e-03	2.78e-04	-0.08	-8.55e-05	1.05e-04	0.0

13	1	-5.16e-03	1.25e-04	-0.10	-5.79e-06	4.02e-06	0.0
13	11	-3.97e-03	9.61e-05	-0.08	-4.45e-06	3.09e-06	0.0
13	26	-6.95e-03	5.05e-04	-0.08	-8.26e-06	-1.83e-05	0.0
13	44	-2.77e-03	6.01e-03	-0.08	-5.89e-05	1.15e-05	0.0
13	46	-4.49e-03	5.84e-03	-0.08	-5.73e-05	0.0	0.0
13	58	-5.71e-03	3.55e-04	-0.08	-6.86e-06	-9.40e-06	0.0
13	76	-3.25e-03	4.01e-03	-0.08	-4.04e-05	8.15e-06	0.0
13	78	-4.25e-03	3.91e-03	-0.08	-3.95e-05	0.0	0.0
13	80	-3.97e-03	9.61e-05	-0.08	-4.45e-06	3.09e-06	0.0
13	81	-3.97e-03	9.61e-05	-0.08	-4.45e-06	3.09e-06	0.0
13	82	-3.97e-03	9.61e-05	-0.08	-4.45e-06	3.09e-06	0.0
14	1	-4.15e-03	5.24e-04	-0.10	-1.52e-05	5.07e-05	1.93e-06
14	11	-3.19e-03	4.03e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
14	26	-6.84e-03	9.30e-04	-0.08	-1.38e-05	2.67e-05	4.66e-06
14	44	-1.73e-03	7.99e-03	-0.08	-4.03e-05	4.37e-05	-3.12e-06
14	46	-3.84e-03	7.76e-03	-0.08	-3.94e-05	3.65e-05	-1.98e-06
14	58	-5.33e-03	7.37e-04	-0.08	-1.30e-05	3.18e-05	3.43e-06
14	76	-2.32e-03	5.42e-03	-0.08	-3.06e-05	4.18e-05	-1.39e-06
14	78	-3.55e-03	5.29e-03	-0.08	-3.01e-05	3.76e-05	0.0
14	80	-3.19e-03	4.03e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
14	81	-3.19e-03	4.03e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
14	82	-3.19e-03	4.03e-04	-0.08	-1.17e-05	3.90e-05	1.49e-06
15	1	-5.66e-04	8.37e-04	-0.10	3.11e-05	1.06e-04	-1.96e-06
15	11	-4.35e-04	6.44e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
15	26	-4.44e-03	1.23e-03	-0.08	2.31e-05	7.70e-05	1.64e-06
15	44	1.15e-03	9.02e-03	-0.08	1.26e-05	8.35e-05	1.51e-06
15	46	-1.17e-03	8.78e-03	-0.08	1.30e-05	8.06e-05	2.58e-06
15	58	-2.77e-03	1.02e-03	-0.08	2.33e-05	7.90e-05	0.0
15	76	5.17e-04	6.19e-03	-0.08	1.64e-05	8.27e-05	0.0
15	78	-8.36e-04	6.04e-03	-0.08	1.67e-05	8.11e-05	1.01e-06
15	80	-4.35e-04	6.44e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
15	81	-4.35e-04	6.44e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
15	82	-4.35e-04	6.44e-04	-0.08	2.39e-05	8.16e-05	-1.51e-06
16	1	1.59e-03	-3.61e-04	-0.10	1.11e-04	1.36e-04	0.0
16	11	1.22e-03	-2.78e-04	-0.08	8.55e-05	1.05e-04	0.0
16	25	5.30e-03	-8.86e-04	-0.08	8.76e-05	1.09e-04	-3.11e-06
16	46	4.59e-04	8.05e-03	-0.08	7.45e-05	1.04e-04	4.15e-06
16	47	-3.88e-04	-8.86e-03	-0.08	9.60e-05	1.03e-04	-3.13e-06
16	57	3.60e-03	-6.64e-04	-0.08	8.68e-05	1.07e-04	-1.91e-06
16	78	8.07e-04	5.25e-03	-0.08	7.82e-05	1.04e-04	2.55e-06
16	79	2.56e-04	-5.96e-03	-0.08	9.25e-05	1.04e-04	-1.97e-06
16	80	1.22e-03	-2.78e-04	-0.08	8.55e-05	1.05e-04	0.0
16	81	1.22e-03	-2.78e-04	-0.08	8.55e-05	1.05e-04	0.0
16	82	1.22e-03	-2.78e-04	-0.08	8.55e-05	1.05e-04	0.0
17	1	-3.47e-03	-1.70e-04	-0.12	5.95e-06	6.57e-06	0.0
17	11	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
17	19	-5.83e-03	-7.05e-04	-0.09	9.90e-06	-1.58e-05	0.0
17	41	-1.38e-03	-5.98e-03	-0.09	5.84e-05	1.32e-05	0.0
17	43	-3.21e-03	-5.81e-03	-0.09	5.68e-05	1.15e-06	0.0
17	51	-4.52e-03	-5.08e-04	-0.09	8.07e-06	-7.10e-06	0.0
17	73	-1.90e-03	-4.01e-03	-0.09	4.02e-05	9.97e-06	0.0
17	75	-2.96e-03	-3.90e-03	-0.09	3.93e-05	2.93e-06	0.0
17	80	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
17	81	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
17	82	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
18	1	-2.59e-03	-5.61e-04	-0.12	1.46e-05	4.09e-05	0.0
18	11	-1.99e-03	-4.32e-04	-0.09	1.12e-05	3.15e-05	0.0
18	19	-5.76e-03	-1.17e-03	-0.09	1.42e-05	2.17e-05	-3.72e-06
18	41	-4.68e-04	-7.93e-03	-0.09	3.95e-05	3.50e-05	-5.39e-06
18	43	-2.65e-03	-7.71e-03	-0.09	3.87e-05	2.92e-05	-6.16e-06
18	51	-4.20e-03	-9.18e-04	-0.09	1.32e-05	2.58e-05	-2.60e-06
18	73	-1.08e-03	-5.40e-03	-0.09	3.00e-05	3.36e-05	-3.66e-06
18	75	-2.35e-03	-5.27e-03	-0.09	2.95e-05	3.02e-05	-4.10e-06
18	80	-1.99e-03	-4.32e-04	-0.09	1.12e-05	3.15e-05	0.0
18	81	-1.99e-03	-4.32e-04	-0.09	1.12e-05	3.15e-05	0.0
18	82	-1.99e-03	-4.32e-04	-0.09	1.12e-05	3.15e-05	0.0
19	1	-8.21e-05	-8.46e-04	-0.12	-3.15e-05	6.02e-05	0.0
19	11	-6.31e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
19	19	-4.07e-03	-1.48e-03	-0.09	-2.30e-05	4.39e-05	-2.78e-06
19	41	1.53e-03	-8.94e-03	-0.09	-1.30e-05	4.77e-05	-4.56e-06
19	43	-7.97e-04	-8.70e-03	-0.09	-1.33e-05	4.61e-05	-5.27e-06
19	51	-2.40e-03	-1.19e-03	-0.09	-2.34e-05	4.49e-05	-1.69e-06
19	73	8.91e-04	-6.14e-03	-0.09	-1.68e-05	4.72e-05	-2.80e-06
19	75	-4.61e-04	-6.00e-03	-0.09	-1.70e-05	4.62e-05	-3.21e-06
19	80	-6.31e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
19	81	-6.31e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0

19	82	-6.31e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
20	1	9.73e-04	3.58e-04	-0.12	-1.11e-04	5.71e-05	0.0
20	11	7.49e-04	2.75e-04	-0.09	-8.57e-05	4.39e-05	0.0
20	16	4.79e-03	1.12e-03	-0.09	-8.69e-05	4.60e-05	2.95e-06
20	42	-8.47e-04	8.77e-03	-0.09	-9.66e-05	4.26e-05	4.88e-06
20	43	-7.48e-06	-7.97e-03	-0.09	-7.51e-05	4.39e-05	-5.61e-06
20	48	3.11e-03	8.32e-04	-0.09	-8.65e-05	4.51e-05	1.84e-06
20	74	-2.09e-04	5.90e-03	-0.09	-9.29e-05	4.31e-05	3.05e-06
20	75	3.38e-04	-5.20e-03	-0.09	-7.87e-05	4.39e-05	-3.47e-06
20	80	7.49e-04	2.75e-04	-0.09	-8.57e-05	4.39e-05	0.0
20	81	7.49e-04	2.75e-04	-0.09	-8.57e-05	4.39e-05	0.0
20	82	7.49e-04	2.75e-04	-0.09	-8.57e-05	4.39e-05	0.0
21	1	-3.47e-03	1.70e-04	-0.12	-5.95e-06	6.57e-06	0.0
21	11	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
21	18	-5.50e-03	1.29e-03	-0.09	-1.52e-05	-1.36e-05	0.0
21	42	-3.11e-03	5.98e-03	-0.09	-5.84e-05	1.81e-06	0.0
21	46	-3.05e-03	5.83e-03	-0.09	-5.70e-05	2.22e-06	0.0
21	50	-4.32e-03	8.59e-04	-0.09	-1.13e-05	-5.82e-06	0.0
21	74	-2.90e-03	4.01e-03	-0.09	-4.02e-05	3.31e-06	0.0
21	78	-2.85e-03	3.92e-03	-0.09	-3.94e-05	3.65e-06	0.0
21	80	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
21	81	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
21	82	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
22	1	-2.59e-03	5.61e-04	-0.12	-1.46e-05	4.09e-05	0.0
22	11	-1.99e-03	4.32e-04	-0.09	-1.12e-05	3.15e-05	0.0
22	18	-5.36e-03	1.92e-03	-0.09	-1.69e-05	2.27e-05	1.37e-06
22	42	-2.53e-03	7.93e-03	-0.09	-3.95e-05	2.95e-05	5.46e-06
22	46	-2.46e-03	7.74e-03	-0.09	-3.88e-05	2.97e-05	6.20e-06
22	50	-3.96e-03	1.37e-03	-0.09	-1.48e-05	2.63e-05	1.25e-06
22	74	-2.28e-03	5.40e-03	-0.09	-3.00e-05	3.04e-05	3.70e-06
22	78	-2.22e-03	5.28e-03	-0.09	-2.95e-05	3.06e-05	4.12e-06
22	80	-1.99e-03	4.32e-04	-0.09	-1.12e-05	3.15e-05	0.0
22	81	-1.99e-03	4.32e-04	-0.09	-1.12e-05	3.15e-05	0.0
22	82	-1.99e-03	4.32e-04	-0.09	-1.12e-05	3.15e-05	0.0
23	1	-8.21e-05	8.46e-04	-0.12	3.15e-05	6.02e-05	0.0
23	11	-6.31e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
23	18	-3.65e-03	2.30e-03	-0.09	2.19e-05	4.41e-05	0.0
23	42	-6.71e-04	8.94e-03	-0.09	1.30e-05	4.62e-05	4.55e-06
23	46	-5.93e-04	8.73e-03	-0.09	1.33e-05	4.63e-05	5.31e-06
23	50	-2.15e-03	1.69e-03	-0.09	2.28e-05	4.51e-05	0.0
23	74	-3.87e-04	6.14e-03	-0.09	1.68e-05	4.63e-05	2.79e-06
23	78	-3.22e-04	6.01e-03	-0.09	1.70e-05	4.63e-05	3.23e-06
23	80	-6.31e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
23	81	-6.31e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
23	82	-6.31e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
24	1	9.73e-04	-3.58e-04	-0.12	1.11e-04	5.71e-05	0.0
24	11	7.49e-04	-2.75e-04	-0.09	8.57e-05	4.39e-05	0.0
24	17	4.37e-03	-1.96e-03	-0.09	8.79e-05	4.58e-05	0.0
24	41	1.38e-03	-8.77e-03	-0.09	9.66e-05	4.39e-05	-4.88e-06
24	46	2.00e-04	8.00e-03	-0.09	7.51e-05	4.40e-05	5.64e-06
24	49	2.86e-03	-1.34e-03	-0.09	8.71e-05	4.50e-05	0.0
24	73	1.08e-03	-5.90e-03	-0.09	9.29e-05	4.39e-05	-3.05e-06
24	78	4.78e-04	5.22e-03	-0.09	7.86e-05	4.40e-05	3.49e-06
24	80	7.49e-04	-2.75e-04	-0.09	8.57e-05	4.39e-05	0.0
24	81	7.49e-04	-2.75e-04	-0.09	8.57e-05	4.39e-05	0.0
24	82	7.49e-04	-2.75e-04	-0.09	8.57e-05	4.39e-05	0.0
25	1	-3.47e-03	-1.70e-04	-0.12	5.95e-06	6.57e-06	0.0
25	11	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
25	27	-5.50e-03	-1.29e-03	-0.09	1.52e-05	-1.36e-05	0.0
25	43	-3.05e-03	-5.83e-03	-0.09	5.70e-05	2.22e-06	0.0
25	47	-3.11e-03	-5.98e-03	-0.09	5.84e-05	1.81e-06	0.0
25	59	-4.32e-03	-8.57e-04	-0.09	1.13e-05	-5.83e-06	0.0
25	75	-2.85e-03	-3.92e-03	-0.09	3.94e-05	3.65e-06	0.0
25	79	-2.90e-03	-4.01e-03	-0.09	4.02e-05	3.31e-06	0.0
25	80	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
25	81	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
25	82	-2.67e-03	-1.31e-04	-0.09	4.58e-06	5.05e-06	0.0
26	1	-2.59e-03	-5.62e-04	-0.12	1.46e-05	4.09e-05	0.0
26	11	-1.99e-03	-4.32e-04	-0.09	1.13e-05	3.15e-05	0.0
26	27	-5.37e-03	-1.91e-03	-0.09	1.69e-05	2.27e-05	-1.37e-06
26	43	-2.46e-03	-7.74e-03	-0.09	3.88e-05	2.97e-05	-6.20e-06
26	47	-2.53e-03	-7.93e-03	-0.09	3.95e-05	2.95e-05	-5.46e-06
26	59	-3.96e-03	-1.36e-03	-0.09	1.48e-05	2.63e-05	-1.25e-06
26	75	-2.22e-03	-5.28e-03	-0.09	2.95e-05	3.06e-05	-4.12e-06
26	79	-2.28e-03	-5.40e-03	-0.09	3.00e-05	3.04e-05	-3.70e-06
26	80	-1.99e-03	-4.32e-04	-0.09	1.13e-05	3.15e-05	0.0

26	81	-1.99e-03	-4.32e-04	-0.09	1.13e-05	3.15e-05	0.0
26	82	-1.99e-03	-4.32e-04	-0.09	1.13e-05	3.15e-05	0.0
27	1	-8.21e-05	-8.47e-04	-0.12	-3.15e-05	6.02e-05	0.0
27	11	-6.32e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
27	27	-3.65e-03	-2.29e-03	-0.09	-2.19e-05	4.41e-05	0.0
27	43	-5.93e-04	-8.73e-03	-0.09	-1.33e-05	4.63e-05	-5.30e-06
27	47	-6.71e-04	-8.94e-03	-0.09	-1.30e-05	4.62e-05	-4.55e-06
27	59	-2.16e-03	-1.68e-03	-0.09	-2.28e-05	4.51e-05	0.0
27	75	-3.22e-04	-6.01e-03	-0.09	-1.70e-05	4.63e-05	-3.22e-06
27	79	-3.87e-04	-6.14e-03	-0.09	-1.68e-05	4.63e-05	-2.79e-06
27	80	-6.32e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
27	81	-6.32e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
27	82	-6.32e-05	-6.51e-04	-0.09	-2.42e-05	4.63e-05	0.0
28	1	9.73e-04	3.58e-04	-0.12	-1.11e-04	5.71e-05	0.0
28	11	7.48e-04	2.76e-04	-0.09	-8.57e-05	4.39e-05	0.0
28	24	4.37e-03	1.96e-03	-0.09	-8.80e-05	4.58e-05	0.0
28	43	2.00e-04	-8.00e-03	-0.09	-7.51e-05	4.40e-05	-5.64e-06
28	44	1.38e-03	8.77e-03	-0.09	-9.66e-05	4.39e-05	4.87e-06
28	56	2.86e-03	1.33e-03	-0.09	-8.72e-05	4.50e-05	0.0
28	75	4.78e-04	-5.22e-03	-0.09	-7.87e-05	4.40e-05	-3.49e-06
28	76	1.08e-03	5.90e-03	-0.09	-9.29e-05	4.39e-05	3.04e-06
28	80	7.48e-04	2.76e-04	-0.09	-8.57e-05	4.39e-05	0.0
28	81	7.48e-04	2.76e-04	-0.09	-8.57e-05	4.39e-05	0.0
28	82	7.48e-04	2.76e-04	-0.09	-8.57e-05	4.39e-05	0.0
29	1	-3.47e-03	1.70e-04	-0.12	-5.95e-06	6.57e-06	0.0
29	11	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
29	26	-5.83e-03	7.09e-04	-0.09	-9.94e-06	-1.58e-05	0.0
29	44	-1.38e-03	5.98e-03	-0.09	-5.84e-05	1.33e-05	0.0
29	46	-3.21e-03	5.81e-03	-0.09	-5.68e-05	1.15e-06	0.0
29	58	-4.52e-03	5.10e-04	-0.09	-8.09e-06	-7.10e-06	0.0
29	76	-1.90e-03	4.01e-03	-0.09	-4.02e-05	9.97e-06	0.0
29	78	-2.96e-03	3.90e-03	-0.09	-3.93e-05	2.93e-06	0.0
29	80	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
29	81	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
29	82	-2.67e-03	1.31e-04	-0.09	-4.58e-06	5.05e-06	0.0
30	1	-2.59e-03	5.62e-04	-0.12	-1.46e-05	4.09e-05	0.0
30	11	-1.99e-03	4.32e-04	-0.09	-1.13e-05	3.15e-05	0.0
30	26	-5.76e-03	1.18e-03	-0.09	-1.42e-05	2.17e-05	3.73e-06
30	44	-4.68e-04	7.93e-03	-0.09	-3.95e-05	3.50e-05	5.39e-06
30	46	-2.65e-03	7.71e-03	-0.09	-3.87e-05	2.92e-05	6.16e-06
30	58	-4.20e-03	9.20e-04	-0.09	-1.32e-05	2.58e-05	2.61e-06
30	76	-1.08e-03	5.40e-03	-0.09	-3.00e-05	3.36e-05	3.66e-06
30	78	-2.35e-03	5.27e-03	-0.09	-2.95e-05	3.02e-05	4.10e-06
30	80	-1.99e-03	4.32e-04	-0.09	-1.13e-05	3.15e-05	0.0
30	81	-1.99e-03	4.32e-04	-0.09	-1.13e-05	3.15e-05	0.0
30	82	-1.99e-03	4.32e-04	-0.09	-1.13e-05	3.15e-05	0.0
31	1	-8.21e-05	8.47e-04	-0.12	3.15e-05	6.02e-05	0.0
31	11	-6.32e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
31	26	-4.07e-03	1.48e-03	-0.09	2.30e-05	4.39e-05	2.79e-06
31	44	1.53e-03	8.94e-03	-0.09	1.30e-05	4.77e-05	4.56e-06
31	46	-7.97e-04	8.70e-03	-0.09	1.34e-05	4.61e-05	5.27e-06
31	58	-2.40e-03	1.20e-03	-0.09	2.34e-05	4.49e-05	1.69e-06
31	76	8.91e-04	6.14e-03	-0.09	1.68e-05	4.72e-05	2.80e-06
31	78	-4.61e-04	6.00e-03	-0.09	1.70e-05	4.62e-05	3.21e-06
31	80	-6.32e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
31	81	-6.32e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
31	82	-6.32e-05	6.51e-04	-0.09	2.42e-05	4.63e-05	0.0
32	1	9.73e-04	-3.58e-04	-0.12	1.11e-04	5.71e-05	0.0
32	11	7.48e-04	-2.76e-04	-0.09	8.57e-05	4.39e-05	0.0
32	25	4.80e-03	-1.13e-03	-0.09	8.70e-05	4.60e-05	-2.96e-06
32	46	-7.08e-06	7.97e-03	-0.09	7.51e-05	4.39e-05	5.61e-06
32	47	-8.48e-04	-8.77e-03	-0.09	9.66e-05	4.26e-05	-4.87e-06
32	57	3.11e-03	-8.35e-04	-0.09	8.65e-05	4.51e-05	-1.85e-06
32	78	3.38e-04	5.20e-03	-0.09	7.87e-05	4.39e-05	3.47e-06
32	79	-2.09e-04	-5.90e-03	-0.09	9.29e-05	4.31e-05	-3.04e-06
32	80	7.48e-04	-2.76e-04	-0.09	8.57e-05	4.39e-05	0.0
32	81	7.48e-04	-2.76e-04	-0.09	8.57e-05	4.39e-05	0.0
32	82	7.48e-04	-2.76e-04	-0.09	8.57e-05	4.39e-05	0.0
33	1	-1.04e-03	-1.75e-04	-0.12	5.97e-06	1.55e-06	0.0
33	11	-8.01e-04	-1.34e-04	-0.09	4.59e-06	1.19e-06	0.0
33	19	-4.04e-03	-9.95e-04	-0.09	1.26e-05	-1.95e-05	0.0
33	41	5.38e-04	-5.47e-03	-0.09	5.36e-05	9.35e-06	0.0
33	51	-2.70e-03	-7.08e-04	-0.09	9.90e-06	-1.09e-05	0.0
33	73	5.14e-06	-3.66e-03	-0.09	3.70e-05	6.08e-06	0.0
33	80	-8.01e-04	-1.34e-04	-0.09	4.59e-06	1.19e-06	0.0
33	81	-8.01e-04	-1.34e-04	-0.09	4.59e-06	1.19e-06	0.0

33	82	-8.01e-04	-1.34e-04	-0.09	4.59e-06	1.19e-06	0.0
34	1	-7.98e-04	-5.66e-04	-0.12	1.46e-05	1.15e-05	0.0
34	11	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
34	19	-4.45e-03	-1.54e-03	-0.09	1.55e-05	0.0	-2.88e-06
34	41	9.48e-04	-7.27e-03	-0.10	3.71e-05	1.19e-05	6.78e-06
34	51	-2.86e-03	-1.17e-03	-0.09	1.41e-05	3.69e-06	-1.92e-06
34	73	3.26e-04	-4.95e-03	-0.10	2.83e-05	1.06e-05	4.29e-06
34	80	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
34	81	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
34	82	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
35	1	-2.23e-05	-8.47e-04	-0.12	-3.16e-05	2.08e-05	0.0
35	11	-1.71e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
35	19	-4.03e-03	-1.88e-03	-0.10	-2.24e-05	1.51e-05	-2.67e-06
35	41	1.58e-03	-8.21e-03	-0.10	-1.39e-05	1.55e-05	7.08e-06
35	51	-2.36e-03	-1.47e-03	-0.10	-2.30e-05	1.55e-05	-1.72e-06
35	73	9.42e-04	-5.65e-03	-0.10	-1.74e-05	1.57e-05	4.55e-06
35	80	-1.71e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
35	81	-1.71e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
35	82	-1.71e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
36	1	3.46e-04	3.58e-04	-0.12	-1.11e-04	1.87e-05	0.0
36	11	2.66e-04	2.75e-04	-0.10	-8.57e-05	1.44e-05	0.0
36	16	4.29e-03	1.54e-03	-0.10	-8.75e-05	1.48e-05	2.78e-06
36	41	1.85e-03	-7.47e-03	-0.10	-7.57e-05	1.37e-05	7.26e-06
36	42	-1.32e-03	8.02e-03	-0.09	-9.58e-05	1.52e-05	-7.26e-06
36	48	2.62e-03	1.12e-03	-0.10	-8.69e-05	1.46e-05	1.80e-06
36	73	1.22e-03	-4.85e-03	-0.10	-7.91e-05	1.39e-05	4.66e-06
36	74	-6.86e-04	5.40e-03	-0.10	-9.24e-05	1.49e-05	-4.66e-06
36	80	2.66e-04	2.75e-04	-0.10	-8.57e-05	1.44e-05	0.0
36	81	2.66e-04	2.75e-04	-0.10	-8.57e-05	1.44e-05	0.0
36	82	2.66e-04	2.75e-04	-0.10	-8.57e-05	1.44e-05	0.0
37	1	-1.04e-03	1.75e-04	-0.12	-5.97e-06	1.55e-06	0.0
37	11	-8.01e-04	1.34e-04	-0.09	-4.59e-06	1.19e-06	0.0
37	18	-3.71e-03	1.45e-03	-0.09	-1.67e-05	-1.73e-05	0.0
37	40	4.38e-04	5.33e-03	-0.09	-5.24e-05	8.69e-06	0.0
37	42	-1.23e-03	5.47e-03	-0.09	-5.36e-05	-2.04e-06	0.0
37	50	-2.50e-03	9.76e-04	-0.09	-1.23e-05	-9.63e-06	0.0
37	72	-5.35e-05	3.58e-03	-0.09	-3.63e-05	5.70e-06	0.0
37	74	-1.03e-03	3.66e-03	-0.09	-3.70e-05	0.0	0.0
37	80	-8.01e-04	1.34e-04	-0.09	-4.59e-06	1.19e-06	0.0
37	81	-8.01e-04	1.34e-04	-0.09	-4.59e-06	1.19e-06	0.0
37	82	-8.01e-04	1.34e-04	-0.09	-4.59e-06	1.19e-06	0.0
38	1	-7.98e-04	5.66e-04	-0.12	-1.46e-05	1.15e-05	0.0
38	11	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
38	18	-4.05e-03	2.13e-03	-0.09	-1.76e-05	0.0	1.52e-06
38	40	8.29e-04	7.10e-03	-0.10	-3.64e-05	1.16e-05	-6.37e-06
38	42	-1.15e-03	7.27e-03	-0.10	-3.71e-05	6.91e-06	-6.77e-06
38	50	-2.62e-03	1.51e-03	-0.09	-1.53e-05	4.27e-06	1.07e-06
38	72	2.56e-04	4.85e-03	-0.10	-2.79e-05	1.05e-05	-4.04e-06
38	74	-8.96e-04	4.95e-03	-0.10	-2.83e-05	7.76e-06	-4.28e-06
38	80	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
38	81	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
38	82	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
39	1	-2.23e-05	8.47e-04	-0.12	3.16e-05	2.08e-05	0.0
39	11	-1.71e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
39	18	-3.61e-03	2.52e-03	-0.10	2.17e-05	1.53e-05	1.35e-06
39	40	1.45e-03	8.02e-03	-0.10	1.41e-05	1.54e-05	-6.68e-06
39	42	-6.21e-04	8.21e-03	-0.10	1.39e-05	1.48e-05	-7.08e-06
39	50	-2.11e-03	1.84e-03	-0.10	2.26e-05	1.56e-05	0.0
39	72	8.68e-04	5.54e-03	-0.10	1.75e-05	1.56e-05	-4.31e-06
39	74	-3.38e-04	5.65e-03	-0.10	1.74e-05	1.53e-05	-4.55e-06
39	80	-1.71e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
39	81	-1.71e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
39	82	-1.71e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
40	1	3.46e-04	-3.58e-04	-0.12	1.11e-04	1.87e-05	0.0
40	11	2.66e-04	-2.75e-04	-0.10	8.57e-05	1.44e-05	0.0
40	17	3.87e-03	-2.19e-03	-0.10	8.82e-05	1.47e-05	-1.43e-06
40	40	1.73e-03	7.28e-03	-0.10	7.58e-05	1.36e-05	-6.85e-06
40	41	8.91e-04	-8.02e-03	-0.09	9.58e-05	1.56e-05	7.26e-06
40	49	2.37e-03	-1.50e-03	-0.10	8.73e-05	1.45e-05	0.0
40	72	1.14e-03	4.73e-03	-0.10	7.92e-05	1.39e-05	-4.40e-06
40	73	6.00e-04	-5.40e-03	-0.10	9.24e-05	1.51e-05	4.66e-06
40	80	2.66e-04	-2.75e-04	-0.10	8.57e-05	1.44e-05	0.0
40	81	2.66e-04	-2.75e-04	-0.10	8.57e-05	1.44e-05	0.0
40	82	2.66e-04	-2.75e-04	-0.10	8.57e-05	1.44e-05	0.0
41	1	-1.04e-03	-1.75e-04	-0.12	5.97e-06	1.55e-06	0.0
41	11	-8.01e-04	-1.34e-04	-0.09	4.60e-06	1.19e-06	0.0

41	27	-3.71e-03	-1.46e-03	-0.09	1.67e-05	-1.73e-05	0.0
41	45	4.38e-04	-5.33e-03	-0.09	5.24e-05	8.70e-06	0.0
41	47	-1.23e-03	-5.47e-03	-0.09	5.37e-05	-2.03e-06	0.0
41	59	-2.50e-03	-9.77e-04	-0.09	1.23e-05	-9.63e-06	0.0
41	77	-5.32e-05	-3.58e-03	-0.09	3.63e-05	5.70e-06	0.0
41	79	-1.03e-03	-3.66e-03	-0.09	3.70e-05	0.0	0.0
41	80	-8.01e-04	-1.34e-04	-0.09	4.60e-06	1.19e-06	0.0
41	81	-8.01e-04	-1.34e-04	-0.09	4.60e-06	1.19e-06	0.0
41	82	-8.01e-04	-1.34e-04	-0.09	4.60e-06	1.19e-06	0.0
42	1	-7.98e-04	-5.66e-04	-0.12	1.46e-05	1.15e-05	0.0
42	11	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
42	27	-4.05e-03	-2.13e-03	-0.09	1.76e-05	0.0	-1.52e-06
42	45	8.30e-04	-7.10e-03	-0.10	3.64e-05	1.16e-05	6.38e-06
42	47	-1.15e-03	-7.27e-03	-0.10	3.71e-05	6.91e-06	6.77e-06
42	59	-2.62e-03	-1.52e-03	-0.09	1.53e-05	4.27e-06	-1.07e-06
42	77	2.56e-04	-4.85e-03	-0.10	2.79e-05	1.05e-05	4.04e-06
42	79	-8.96e-04	-4.95e-03	-0.10	2.83e-05	7.76e-06	4.28e-06
42	80	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
42	81	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
42	82	-6.14e-04	-4.35e-04	-0.09	1.12e-05	8.86e-06	0.0
43	1	-2.23e-05	-8.48e-04	-0.12	-3.16e-05	2.08e-05	0.0
43	11	-1.72e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
43	27	-3.61e-03	-2.52e-03	-0.10	-2.18e-05	1.53e-05	-1.35e-06
43	45	1.46e-03	-8.02e-03	-0.10	-1.41e-05	1.54e-05	6.68e-06
43	47	-6.21e-04	-8.22e-03	-0.10	-1.39e-05	1.48e-05	7.08e-06
43	59	-2.11e-03	-1.85e-03	-0.10	-2.27e-05	1.56e-05	0.0
43	77	8.69e-04	-5.54e-03	-0.10	-1.76e-05	1.56e-05	4.31e-06
43	79	-3.38e-04	-5.65e-03	-0.10	-1.74e-05	1.53e-05	4.56e-06
43	80	-1.72e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
43	81	-1.72e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
43	82	-1.72e-05	-6.52e-04	-0.10	-2.43e-05	1.60e-05	0.0
44	1	3.46e-04	3.58e-04	-0.12	-1.11e-04	1.87e-05	0.0
44	11	2.66e-04	2.75e-04	-0.10	-8.58e-05	1.44e-05	0.0
44	24	3.87e-03	2.19e-03	-0.10	-8.82e-05	1.47e-05	1.43e-06
44	44	8.91e-04	8.03e-03	-0.09	-9.58e-05	1.56e-05	-7.26e-06
44	45	1.73e-03	-7.28e-03	-0.10	-7.59e-05	1.36e-05	6.85e-06
44	56	2.37e-03	1.50e-03	-0.10	-8.73e-05	1.45e-05	0.0
44	76	6.00e-04	5.40e-03	-0.10	-9.24e-05	1.51e-05	-4.66e-06
44	77	1.14e-03	-4.73e-03	-0.10	-7.92e-05	1.39e-05	4.41e-06
44	80	2.66e-04	2.75e-04	-0.10	-8.58e-05	1.44e-05	0.0
44	81	2.66e-04	2.75e-04	-0.10	-8.58e-05	1.44e-05	0.0
44	82	2.66e-04	2.75e-04	-0.10	-8.58e-05	1.44e-05	0.0
45	1	-1.04e-03	1.75e-04	-0.12	-5.97e-06	1.55e-06	0.0
45	11	-8.01e-04	1.34e-04	-0.09	-4.60e-06	1.19e-06	0.0
45	26	-4.04e-03	9.92e-04	-0.09	-1.25e-05	-1.95e-05	0.0
45	44	5.38e-04	5.47e-03	-0.09	-5.37e-05	9.35e-06	0.0
45	58	-2.70e-03	7.07e-04	-0.09	-9.89e-06	-1.09e-05	0.0
45	76	5.31e-06	3.66e-03	-0.09	-3.70e-05	6.08e-06	0.0
45	80	-8.01e-04	1.34e-04	-0.09	-4.60e-06	1.19e-06	0.0
45	81	-8.01e-04	1.34e-04	-0.09	-4.60e-06	1.19e-06	0.0
45	82	-8.01e-04	1.34e-04	-0.09	-4.60e-06	1.19e-06	0.0
46	1	-7.98e-04	5.66e-04	-0.12	-1.46e-05	1.15e-05	0.0
46	11	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
46	26	-4.45e-03	1.54e-03	-0.09	-1.55e-05	0.0	2.88e-06
46	44	9.49e-04	7.27e-03	-0.10	-3.71e-05	1.19e-05	-6.78e-06
46	58	-2.86e-03	1.17e-03	-0.09	-1.41e-05	3.69e-06	1.92e-06
46	76	3.26e-04	4.95e-03	-0.10	-2.83e-05	1.06e-05	-4.29e-06
46	80	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
46	81	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
46	82	-6.14e-04	4.35e-04	-0.09	-1.12e-05	8.86e-06	0.0
47	1	-2.23e-05	8.48e-04	-0.12	3.16e-05	2.08e-05	0.0
47	11	-1.72e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
47	26	-4.03e-03	1.88e-03	-0.10	2.24e-05	1.51e-05	2.67e-06
47	44	1.58e-03	8.22e-03	-0.10	1.39e-05	1.55e-05	-7.08e-06
47	58	-2.36e-03	1.47e-03	-0.10	2.31e-05	1.55e-05	1.72e-06
47	76	9.42e-04	5.65e-03	-0.10	1.74e-05	1.57e-05	-4.56e-06
47	80	-1.72e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
47	81	-1.72e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
47	82	-1.72e-05	6.52e-04	-0.10	2.43e-05	1.60e-05	0.0
48	1	3.46e-04	-3.58e-04	-0.12	1.11e-04	1.87e-05	0.0
48	11	2.66e-04	-2.75e-04	-0.10	8.58e-05	1.44e-05	0.0
48	25	4.29e-03	-1.54e-03	-0.10	8.76e-05	1.48e-05	-2.78e-06
48	44	1.85e-03	7.47e-03	-0.10	7.57e-05	1.37e-05	-7.26e-06
48	47	-1.32e-03	-8.03e-03	-0.09	9.58e-05	1.52e-05	7.26e-06
48	57	2.62e-03	-1.12e-03	-0.10	8.70e-05	1.46e-05	-1.80e-06
48	76	1.22e-03	4.85e-03	-0.10	7.91e-05	1.39e-05	-4.66e-06

48	79	-6.86e-04	-5.40e-03	-0.10	9.24e-05	1.49e-05	4.66e-06
48	80	2.66e-04	-2.75e-04	-0.10	8.58e-05	1.44e-05	0.0
48	81	2.66e-04	-2.75e-04	-0.10	8.58e-05	1.44e-05	0.0
48	82	2.66e-04	-2.75e-04	-0.10	8.58e-05	1.44e-05	0.0
49	1	0.0	-1.75e-04	-0.12	5.97e-06	0.0	0.0
49	11	0.0	-1.34e-04	-0.09	4.59e-06	0.0	0.0
49	22	-3.27e-03	1.20e-03	-0.09	-7.74e-06	-2.07e-05	0.0
49	37	2.49e-04	-4.60e-03	-0.10	4.58e-05	2.07e-06	0.0
49	45	1.08e-03	-4.60e-03	-0.10	4.58e-05	6.34e-06	0.0
49	54	-1.91e-03	7.46e-04	-0.09	-3.52e-06	-1.21e-05	0.0
49	69	1.02e-04	-3.07e-03	-0.10	3.16e-05	0.0	0.0
49	77	6.41e-04	-3.07e-03	-0.10	3.16e-05	3.75e-06	0.0
49	80	0.0	-1.34e-04	-0.09	4.59e-06	0.0	0.0
49	81	0.0	-1.34e-04	-0.09	4.59e-06	0.0	0.0
49	82	0.0	-1.34e-04	-0.09	4.59e-06	0.0	0.0
50	1	0.0	-5.66e-04	-0.12	1.46e-05	0.0	0.0
50	11	0.0	-4.35e-04	-0.10	1.12e-05	0.0	0.0
50	22	-3.86e-03	1.28e-03	-0.10	4.66e-06	-8.58e-06	-3.00e-06
50	37	3.20e-04	-6.17e-03	-0.10	3.30e-05	1.52e-06	-7.36e-06
50	45	1.25e-03	-6.17e-03	-0.10	3.30e-05	2.02e-06	6.95e-06
50	54	-2.25e-03	6.94e-04	-0.10	6.90e-06	-4.99e-06	-1.92e-06
50	69	1.38e-04	-4.20e-03	-0.10	2.55e-05	0.0	-4.79e-06
50	77	7.40e-04	-4.20e-03	-0.10	2.55e-05	1.15e-06	4.55e-06
50	80	0.0	-4.35e-04	-0.10	1.12e-05	0.0	0.0
50	81	0.0	-4.35e-04	-0.10	1.12e-05	0.0	0.0
50	82	0.0	-4.35e-04	-0.10	1.12e-05	0.0	0.0
51	1	0.0	-8.47e-04	-0.13	-3.16e-05	0.0	0.0
51	11	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
51	22	-4.01e-03	1.25e-03	-0.10	-2.69e-05	0.0	-3.10e-06
51	37	3.79e-04	-7.00e-03	-0.10	-1.54e-05	1.16e-06	-7.47e-06
51	45	1.25e-03	-7.00e-03	-0.10	-1.54e-05	0.0	7.12e-06
51	54	-2.34e-03	5.99e-04	-0.10	-2.60e-05	0.0	-1.97e-06
51	69	1.73e-04	-4.83e-03	-0.10	-1.84e-05	0.0	-4.87e-06
51	77	7.42e-04	-4.83e-03	-0.10	-1.84e-05	0.0	4.65e-06
51	80	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
51	81	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
51	82	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
52	1	0.0	3.58e-04	-0.13	-1.11e-04	0.0	0.0
52	11	0.0	2.75e-04	-0.10	-8.57e-05	0.0	0.0
52	21	4.02e-03	-1.68e-03	-0.10	-8.31e-05	0.0	3.20e-06
52	37	4.00e-04	-6.23e-03	-0.10	-7.71e-05	1.17e-06	-7.71e-06
52	46	-1.24e-03	6.78e-03	-0.10	-9.43e-05	1.08e-06	-7.33e-06
52	53	2.35e-03	-1.01e-03	-0.10	-8.40e-05	0.0	2.03e-06
52	69	1.87e-04	-4.00e-03	-0.10	-8.01e-05	0.0	-5.02e-06
52	78	-7.31e-04	4.55e-03	-0.10	-9.14e-05	0.0	-4.79e-06
52	80	0.0	2.75e-04	-0.10	-8.57e-05	0.0	0.0
52	81	0.0	2.75e-04	-0.10	-8.57e-05	0.0	0.0
52	82	0.0	2.75e-04	-0.10	-8.57e-05	0.0	0.0
53	1	0.0	1.75e-04	-0.12	-5.97e-06	0.0	0.0
53	11	0.0	1.34e-04	-0.09	-4.59e-06	0.0	0.0
53	23	-2.94e-03	-1.21e-03	-0.09	7.76e-06	-1.85e-05	0.0
53	44	1.19e-03	4.60e-03	-0.10	-4.57e-05	7.08e-06	0.0
53	46	-3.63e-04	4.60e-03	-0.10	-4.58e-05	-2.81e-06	0.0
53	55	-1.72e-03	-7.47e-04	-0.09	3.53e-06	-1.08e-05	0.0
53	76	7.05e-04	3.07e-03	-0.10	-3.16e-05	4.17e-06	0.0
53	78	-1.66e-04	3.07e-03	-0.10	-3.16e-05	-1.39e-06	0.0
53	80	0.0	1.34e-04	-0.09	-4.59e-06	0.0	0.0
53	81	0.0	1.34e-04	-0.09	-4.59e-06	0.0	0.0
53	82	0.0	1.34e-04	-0.09	-4.59e-06	0.0	0.0
54	1	0.0	5.66e-04	-0.12	-1.46e-05	0.0	0.0
54	11	0.0	4.35e-04	-0.10	-1.12e-05	0.0	0.0
54	23	-3.46e-03	-1.29e-03	-0.10	-4.65e-06	-7.56e-06	1.19e-06
54	44	1.38e-03	6.17e-03	-0.10	-3.30e-05	2.36e-06	-7.31e-06
54	46	-4.55e-04	6.17e-03	-0.10	-3.30e-05	-1.86e-06	-7.00e-06
54	55	-2.02e-03	-6.96e-04	-0.10	-6.90e-06	-4.40e-06	0.0
54	76	8.16e-04	4.20e-03	-0.10	-2.55e-05	1.34e-06	-4.76e-06
54	78	-2.14e-04	4.20e-03	-0.10	-2.55e-05	-1.02e-06	-4.57e-06
54	80	0.0	4.35e-04	-0.10	-1.12e-05	0.0	0.0
54	81	0.0	4.35e-04	-0.10	-1.12e-05	0.0	0.0
54	82	0.0	4.35e-04	-0.10	-1.12e-05	0.0	0.0
55	1	0.0	8.47e-04	-0.13	3.16e-05	0.0	0.0
55	11	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
55	23	-3.59e-03	-1.25e-03	-0.10	2.69e-05	0.0	1.29e-06
55	44	1.40e-03	7.00e-03	-0.10	1.54e-05	0.0	-7.47e-06
55	46	-5.22e-04	7.00e-03	-0.10	1.54e-05	-1.22e-06	-7.11e-06
55	55	-2.10e-03	-6.01e-04	-0.10	2.60e-05	0.0	0.0

55	76	8.22e-04	4.82e-03	-0.10	1.84e-05	0.0	-4.87e-06
55	78	-2.54e-04	4.83e-03	-0.10	1.84e-05	0.0	-4.65e-06
55	80	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
55	81	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
55	82	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
56	1	0.0	-3.58e-04	-0.13	1.11e-04	0.0	0.0
56	11	0.0	-2.75e-04	-0.10	8.57e-05	0.0	0.0
56	20	3.60e-03	1.68e-03	-0.10	8.31e-05	0.0	-1.32e-06
56	44	1.38e-03	6.23e-03	-0.10	7.71e-05	-1.01e-06	-7.71e-06
56	45	5.44e-04	-6.78e-03	-0.10	9.43e-05	1.23e-06	7.33e-06
56	52	2.10e-03	1.01e-03	-0.10	8.40e-05	0.0	0.0
56	76	8.12e-04	4.00e-03	-0.10	8.00e-05	0.0	-5.02e-06
56	77	2.68e-04	-4.55e-03	-0.10	9.14e-05	0.0	4.79e-06
56	80	0.0	-2.75e-04	-0.10	8.57e-05	0.0	0.0
56	81	0.0	-2.75e-04	-0.10	8.57e-05	0.0	0.0
56	82	0.0	-2.75e-04	-0.10	8.57e-05	0.0	0.0
57	1	0.0	-1.75e-04	-0.12	5.97e-06	0.0	0.0
57	11	0.0	-1.35e-04	-0.09	4.60e-06	0.0	0.0
57	30	-2.94e-03	1.21e-03	-0.09	-7.77e-06	-1.85e-05	0.0
57	37	4.30e-04	-4.60e-03	-0.10	4.58e-05	3.22e-06	0.0
57	45	1.26e-03	-4.60e-03	-0.10	4.58e-05	7.49e-06	0.0
57	62	-1.72e-03	7.48e-04	-0.09	-3.53e-06	-1.08e-05	0.0
57	69	2.21e-04	-3.07e-03	-0.10	3.16e-05	1.72e-06	0.0
57	77	7.60e-04	-3.07e-03	-0.10	3.16e-05	4.50e-06	0.0
57	80	0.0	-1.35e-04	-0.09	4.60e-06	0.0	0.0
57	81	0.0	-1.35e-04	-0.09	4.60e-06	0.0	0.0
57	82	0.0	-1.35e-04	-0.09	4.60e-06	0.0	0.0
58	1	0.0	-5.66e-04	-0.12	1.46e-05	0.0	0.0
58	11	0.0	-4.36e-04	-0.10	1.12e-05	0.0	0.0
58	30	-3.46e-03	1.29e-03	-0.10	4.66e-06	-7.55e-06	-1.19e-06
58	37	5.34e-04	-6.17e-03	-0.10	3.30e-05	1.99e-06	-7.45e-06
58	45	1.46e-03	-6.17e-03	-0.10	3.30e-05	2.50e-06	6.87e-06
58	62	-2.02e-03	6.96e-04	-0.10	6.90e-06	-4.40e-06	0.0
58	69	2.78e-04	-4.20e-03	-0.10	2.55e-05	1.14e-06	-4.84e-06
58	77	8.81e-04	-4.20e-03	-0.10	2.55e-05	1.47e-06	4.50e-06
58	80	0.0	-4.36e-04	-0.10	1.12e-05	0.0	0.0
58	81	0.0	-4.36e-04	-0.10	1.12e-05	0.0	0.0
58	82	0.0	-4.36e-04	-0.10	1.12e-05	0.0	0.0
59	1	0.0	-8.48e-04	-0.13	-3.16e-05	0.0	0.0
59	11	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
59	30	-3.59e-03	1.25e-03	-0.10	-2.69e-05	0.0	-1.28e-06
59	37	6.02e-04	-7.00e-03	-0.10	-1.54e-05	1.18e-06	-7.56e-06
59	45	1.48e-03	-7.00e-03	-0.10	-1.54e-05	0.0	7.02e-06
59	62	-2.10e-03	6.01e-04	-0.10	-2.60e-05	0.0	0.0
59	69	3.19e-04	-4.82e-03	-0.10	-1.85e-05	0.0	-4.92e-06
59	77	8.88e-04	-4.83e-03	-0.10	-1.85e-05	0.0	4.59e-06
59	80	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
59	81	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
59	82	0.0	-6.52e-04	-0.10	-2.43e-05	0.0	0.0
60	1	0.0	3.58e-04	-0.13	-1.11e-04	0.0	0.0
60	11	0.0	2.75e-04	-0.10	-8.58e-05	0.0	0.0
60	29	3.60e-03	-1.68e-03	-0.10	-8.32e-05	0.0	1.31e-06
60	37	6.23e-04	-6.23e-03	-0.10	-7.71e-05	1.18e-06	-7.80e-06
60	46	-1.46e-03	6.78e-03	-0.10	-9.44e-05	1.07e-06	-7.24e-06
60	61	2.10e-03	-1.01e-03	-0.10	-8.41e-05	0.0	0.0
60	69	3.33e-04	-4.00e-03	-0.10	-8.01e-05	0.0	-5.07e-06
60	78	-8.78e-04	4.55e-03	-0.10	-9.14e-05	0.0	-4.74e-06
60	80	0.0	2.75e-04	-0.10	-8.58e-05	0.0	0.0
60	81	0.0	2.75e-04	-0.10	-8.58e-05	0.0	0.0
60	82	0.0	2.75e-04	-0.10	-8.58e-05	0.0	0.0
61	1	0.0	1.75e-04	-0.12	-5.97e-06	0.0	0.0
61	11	0.0	1.35e-04	-0.09	-4.60e-06	0.0	0.0
61	31	-3.27e-03	-1.20e-03	-0.09	7.74e-06	-2.07e-05	0.0
61	36	5.29e-04	4.60e-03	-0.10	-4.57e-05	3.87e-06	0.0
61	46	-5.29e-04	4.60e-03	-0.10	-4.58e-05	-3.87e-06	0.0
61	63	-1.91e-03	-7.45e-04	-0.09	3.51e-06	-1.21e-05	0.0
61	68	2.79e-04	3.07e-03	-0.10	-3.16e-05	2.10e-06	0.0
61	78	-2.79e-04	3.07e-03	-0.10	-3.16e-05	-2.10e-06	0.0
61	80	0.0	1.35e-04	-0.09	-4.60e-06	0.0	0.0
61	81	0.0	1.35e-04	-0.09	-4.60e-06	0.0	0.0
61	82	0.0	1.35e-04	-0.09	-4.60e-06	0.0	0.0
62	1	0.0	5.66e-04	-0.12	-1.46e-05	0.0	0.0
62	11	0.0	4.36e-04	-0.10	-1.12e-05	0.0	0.0
62	31	-3.86e-03	-1.28e-03	-0.10	-4.67e-06	-8.57e-06	3.00e-06
62	36	6.52e-04	6.17e-03	-0.10	-3.30e-05	2.30e-06	6.90e-06
62	46	-6.52e-04	6.17e-03	-0.10	-3.30e-05	-2.29e-06	-6.90e-06

62	63	-2.25e-03	-6.93e-04	-0.10	-6.91e-06	-4.99e-06	1.92e-06
62	68	3.47e-04	4.20e-03	-0.10	-2.55e-05	1.32e-06	4.52e-06
62	78	-3.47e-04	4.20e-03	-0.10	-2.55e-05	-1.32e-06	-4.51e-06
62	80	0.0	4.36e-04	-0.10	-1.12e-05	0.0	0.0
62	81	0.0	4.36e-04	-0.10	-1.12e-05	0.0	0.0
62	82	0.0	4.36e-04	-0.10	-1.12e-05	0.0	0.0
63	1	0.0	8.48e-04	-0.13	3.16e-05	0.0	0.0
63	11	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
63	31	-4.01e-03	-1.25e-03	-0.10	2.70e-05	0.0	3.10e-06
63	36	7.27e-04	7.00e-03	-0.10	1.54e-05	1.26e-06	7.02e-06
63	46	-7.27e-04	7.00e-03	-0.10	1.54e-05	-1.25e-06	-7.02e-06
63	63	-2.34e-03	-5.99e-04	-0.10	2.60e-05	0.0	1.97e-06
63	68	3.93e-04	4.82e-03	-0.10	1.85e-05	0.0	4.59e-06
63	78	-3.93e-04	4.83e-03	-0.10	1.85e-05	0.0	-4.59e-06
63	80	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
63	81	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
63	82	0.0	6.52e-04	-0.10	2.43e-05	0.0	0.0
64	1	0.0	-3.58e-04	-0.13	1.11e-04	0.0	0.0
64	11	0.0	-2.75e-04	-0.10	8.58e-05	0.0	0.0
64	28	4.02e-03	1.68e-03	-0.10	8.32e-05	0.0	-3.20e-06
64	36	7.50e-04	6.23e-03	-0.10	7.71e-05	1.24e-06	7.24e-06
64	45	7.49e-04	-6.78e-03	-0.10	9.44e-05	1.24e-06	7.24e-06
64	60	2.35e-03	1.01e-03	-0.10	8.41e-05	0.0	-2.04e-06
64	68	4.07e-04	4.00e-03	-0.10	8.01e-05	0.0	4.74e-06
64	77	4.07e-04	-4.55e-03	-0.10	9.14e-05	0.0	4.74e-06
64	80	0.0	-2.75e-04	-0.10	8.58e-05	0.0	0.0
64	81	0.0	-2.75e-04	-0.10	8.58e-05	0.0	0.0
64	82	0.0	-2.75e-04	-0.10	8.58e-05	0.0	0.0
65	1	1.04e-03	-1.75e-04	-0.12	5.97e-06	-1.55e-06	0.0
65	11	8.01e-04	-1.34e-04	-0.09	4.59e-06	-1.19e-06	0.0
65	21	4.04e-03	-9.94e-04	-0.09	1.26e-05	1.95e-05	0.0
65	35	-5.38e-04	-5.47e-03	-0.09	5.36e-05	-9.35e-06	0.0
65	53	2.70e-03	-7.08e-04	-0.09	9.90e-06	1.09e-05	0.0
65	67	-5.14e-06	-3.66e-03	-0.09	3.70e-05	-6.08e-06	0.0
65	80	8.01e-04	-1.34e-04	-0.09	4.59e-06	-1.19e-06	0.0
65	81	8.01e-04	-1.34e-04	-0.09	4.59e-06	-1.19e-06	0.0
65	82	8.01e-04	-1.34e-04	-0.09	4.59e-06	-1.19e-06	0.0
66	1	7.98e-04	-5.66e-04	-0.12	1.46e-05	-1.15e-05	0.0
66	11	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
66	21	4.45e-03	-1.54e-03	-0.09	1.55e-05	0.0	2.87e-06
66	35	-9.48e-04	-7.27e-03	-0.10	3.71e-05	-1.19e-05	-6.78e-06
66	53	2.86e-03	-1.17e-03	-0.09	1.41e-05	-3.69e-06	1.92e-06
66	67	-3.26e-04	-4.95e-03	-0.10	2.83e-05	-1.06e-05	-4.29e-06
66	80	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
66	81	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
66	82	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
67	1	2.23e-05	-8.47e-04	-0.12	-3.16e-05	-2.08e-05	0.0
67	11	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
67	21	4.03e-03	-1.88e-03	-0.10	-2.24e-05	-1.51e-05	2.67e-06
67	35	-1.58e-03	-8.21e-03	-0.10	-1.39e-05	-1.55e-05	-7.08e-06
67	53	2.36e-03	-1.47e-03	-0.10	-2.30e-05	-1.55e-05	1.72e-06
67	67	-9.42e-04	-5.65e-03	-0.10	-1.74e-05	-1.57e-05	-4.55e-06
67	80	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
67	81	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
67	82	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
68	1	-3.46e-04	3.58e-04	-0.12	-1.11e-04	-1.87e-05	0.0
68	11	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0
68	22	-4.29e-03	1.54e-03	-0.10	-8.75e-05	-1.48e-05	-2.78e-06
68	32	1.32e-03	8.02e-03	-0.09	-9.58e-05	-1.52e-05	7.26e-06
68	35	-1.85e-03	-7.47e-03	-0.10	-7.57e-05	-1.37e-05	-7.26e-06
68	54	-2.62e-03	1.12e-03	-0.10	-8.69e-05	-1.46e-05	-1.80e-06
68	64	6.86e-04	5.40e-03	-0.10	-9.24e-05	-1.49e-05	4.66e-06
68	67	-1.22e-03	-4.85e-03	-0.10	-7.91e-05	-1.39e-05	-4.66e-06
68	80	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0
68	81	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0
68	82	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0
69	1	1.04e-03	1.75e-04	-0.12	-5.97e-06	-1.55e-06	0.0
69	11	8.01e-04	1.34e-04	-0.09	-4.59e-06	-1.19e-06	0.0
69	20	3.71e-03	1.45e-03	-0.09	-1.67e-05	1.73e-05	0.0
69	32	1.23e-03	5.47e-03	-0.09	-5.36e-05	2.04e-06	0.0
69	34	-4.37e-04	5.33e-03	-0.09	-5.24e-05	-8.69e-06	0.0
69	52	2.50e-03	9.76e-04	-0.09	-1.23e-05	9.63e-06	0.0
69	64	1.03e-03	3.66e-03	-0.09	-3.70e-05	0.0	0.0
69	66	5.35e-05	3.58e-03	-0.09	-3.63e-05	-5.70e-06	0.0
69	80	8.01e-04	1.34e-04	-0.09	-4.59e-06	-1.19e-06	0.0
69	81	8.01e-04	1.34e-04	-0.09	-4.59e-06	-1.19e-06	0.0

69	82	8.01e-04	1.34e-04	-0.09	-4.59e-06	-1.19e-06	0.0
70	1	7.98e-04	5.66e-04	-0.12	-1.46e-05	-1.15e-05	0.0
70	11	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
70	20	4.05e-03	2.13e-03	-0.09	-1.76e-05	0.0	-1.52e-06
70	32	1.15e-03	7.27e-03	-0.10	-3.70e-05	-6.91e-06	6.77e-06
70	34	-8.29e-04	7.10e-03	-0.10	-3.64e-05	-1.16e-05	6.37e-06
70	52	2.62e-03	1.51e-03	-0.09	-1.53e-05	-4.27e-06	-1.07e-06
70	64	8.96e-04	4.95e-03	-0.10	-2.83e-05	-7.75e-06	4.28e-06
70	66	-2.56e-04	4.85e-03	-0.10	-2.79e-05	-1.05e-05	4.04e-06
70	80	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
70	81	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
70	82	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
71	1	2.23e-05	8.47e-04	-0.12	3.16e-05	-2.08e-05	0.0
71	11	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
71	20	3.61e-03	2.52e-03	-0.10	2.17e-05	-1.53e-05	-1.35e-06
71	32	6.21e-04	8.21e-03	-0.10	1.39e-05	-1.48e-05	7.08e-06
71	34	-1.45e-03	8.02e-03	-0.10	1.41e-05	-1.54e-05	6.68e-06
71	52	2.11e-03	1.84e-03	-0.10	2.26e-05	-1.56e-05	0.0
71	64	3.38e-04	5.65e-03	-0.10	1.74e-05	-1.53e-05	4.55e-06
71	66	-8.68e-04	5.54e-03	-0.10	1.75e-05	-1.56e-05	4.31e-06
71	80	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
71	81	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
71	82	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
72	1	-3.46e-04	-3.58e-04	-0.12	1.11e-04	-1.87e-05	0.0
72	11	-2.66e-04	-2.75e-04	-0.10	8.57e-05	-1.44e-05	0.0
72	23	-3.87e-03	-2.19e-03	-0.10	8.82e-05	-1.47e-05	1.43e-06
72	34	-1.73e-03	7.28e-03	-0.10	7.58e-05	-1.36e-05	6.85e-06
72	35	-8.91e-04	-8.02e-03	-0.09	9.58e-05	-1.56e-05	-7.26e-06
72	55	-2.37e-03	-1.50e-03	-0.10	8.73e-05	-1.45e-05	0.0
72	66	-1.14e-03	4.73e-03	-0.10	7.92e-05	-1.39e-05	4.41e-06
72	67	-6.00e-04	-5.40e-03	-0.10	9.24e-05	-1.51e-05	-4.66e-06
72	80	-2.66e-04	-2.75e-04	-0.10	8.57e-05	-1.44e-05	0.0
72	81	-2.66e-04	-2.75e-04	-0.10	8.57e-05	-1.44e-05	0.0
72	82	-2.66e-04	-2.75e-04	-0.10	8.57e-05	-1.44e-05	0.0
73	1	1.04e-03	-1.75e-04	-0.12	5.97e-06	-1.55e-06	0.0
73	11	8.01e-04	-1.34e-04	-0.09	4.60e-06	-1.19e-06	0.0
73	29	3.71e-03	-1.45e-03	-0.09	1.67e-05	1.73e-05	0.0
73	37	1.23e-03	-5.47e-03	-0.09	5.37e-05	2.04e-06	0.0
73	39	-4.38e-04	-5.33e-03	-0.09	5.24e-05	-8.70e-06	0.0
73	61	2.50e-03	-9.76e-04	-0.09	1.23e-05	9.63e-06	0.0
73	69	1.03e-03	-3.66e-03	-0.09	3.70e-05	0.0	0.0
73	71	5.31e-05	-3.58e-03	-0.09	3.63e-05	-5.70e-06	0.0
73	80	8.01e-04	-1.34e-04	-0.09	4.60e-06	-1.19e-06	0.0
73	81	8.01e-04	-1.34e-04	-0.09	4.60e-06	-1.19e-06	0.0
73	82	8.01e-04	-1.34e-04	-0.09	4.60e-06	-1.19e-06	0.0
74	1	7.98e-04	-5.66e-04	-0.12	1.46e-05	-1.15e-05	0.0
74	11	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
74	29	4.05e-03	-2.13e-03	-0.09	1.76e-05	0.0	1.52e-06
74	37	1.15e-03	-7.27e-03	-0.10	3.71e-05	-6.91e-06	-6.77e-06
74	39	-8.30e-04	-7.10e-03	-0.10	3.64e-05	-1.16e-05	-6.37e-06
74	61	2.62e-03	-1.51e-03	-0.09	1.53e-05	-4.28e-06	1.07e-06
74	69	8.96e-04	-4.95e-03	-0.10	2.83e-05	-7.76e-06	-4.28e-06
74	71	-2.56e-04	-4.85e-03	-0.10	2.79e-05	-1.05e-05	-4.04e-06
74	80	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
74	81	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
74	82	6.14e-04	-4.35e-04	-0.09	1.12e-05	-8.86e-06	0.0
75	1	2.23e-05	-8.47e-04	-0.12	-3.16e-05	-2.08e-05	0.0
75	11	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
75	29	3.61e-03	-2.52e-03	-0.10	-2.17e-05	-1.53e-05	1.35e-06
75	37	6.21e-04	-8.21e-03	-0.10	-1.39e-05	-1.48e-05	-7.08e-06
75	39	-1.46e-03	-8.02e-03	-0.10	-1.41e-05	-1.54e-05	-6.68e-06
75	61	2.11e-03	-1.84e-03	-0.10	-2.27e-05	-1.56e-05	0.0
75	69	3.38e-04	-5.65e-03	-0.10	-1.74e-05	-1.53e-05	-4.56e-06
75	71	-8.69e-04	-5.54e-03	-0.10	-1.76e-05	-1.56e-05	-4.31e-06
75	80	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
75	81	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
75	82	1.72e-05	-6.52e-04	-0.10	-2.43e-05	-1.60e-05	0.0
76	1	-3.46e-04	3.58e-04	-0.12	-1.11e-04	-1.87e-05	0.0
76	11	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0
76	30	-3.87e-03	2.19e-03	-0.10	-8.82e-05	-1.46e-05	-1.43e-06
76	38	-8.91e-04	8.02e-03	-0.09	-9.58e-05	-1.56e-05	7.26e-06
76	39	-1.73e-03	-7.28e-03	-0.10	-7.59e-05	-1.36e-05	-6.85e-06
76	62	-2.37e-03	1.50e-03	-0.10	-8.73e-05	-1.45e-05	0.0
76	70	-6.00e-04	5.40e-03	-0.10	-9.24e-05	-1.51e-05	4.66e-06
76	71	-1.14e-03	-4.73e-03	-0.10	-7.92e-05	-1.39e-05	-4.41e-06
76	80	-2.66e-04	2.75e-04	-0.10	-8.57e-05	-1.44e-05	0.0

76	81	-2.66e-04	2.75e-04	-0.10	-8.58e-05	-1.44e-05	0.0
76	82	-2.66e-04	2.75e-04	-0.10	-8.58e-05	-1.44e-05	0.0
77	1	1.04e-03	1.75e-04	-0.12	-5.97e-06	-1.55e-06	0.0
77	11	8.01e-04	1.34e-04	-0.09	-4.60e-06	-1.19e-06	0.0
77	28	4.04e-03	9.95e-04	-0.09	-1.26e-05	1.95e-05	0.0
77	38	-5.38e-04	5.47e-03	-0.09	-5.37e-05	-9.35e-06	0.0
77	60	2.70e-03	7.08e-04	-0.09	-9.90e-06	1.09e-05	0.0
77	70	-5.23e-06	3.66e-03	-0.09	-3.70e-05	-6.08e-06	0.0
77	80	8.01e-04	1.34e-04	-0.09	-4.60e-06	-1.19e-06	0.0
77	81	8.01e-04	1.34e-04	-0.09	-4.60e-06	-1.19e-06	0.0
77	82	8.01e-04	1.34e-04	-0.09	-4.60e-06	-1.19e-06	0.0
78	1	7.98e-04	5.66e-04	-0.12	-1.46e-05	-1.15e-05	0.0
78	11	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
78	28	4.45e-03	1.54e-03	-0.09	-1.55e-05	0.0	-2.88e-06
78	38	-9.49e-04	7.27e-03	-0.10	-3.71e-05	-1.19e-05	6.78e-06
78	60	2.86e-03	1.17e-03	-0.09	-1.41e-05	-3.69e-06	-1.92e-06
78	70	-3.26e-04	4.95e-03	-0.10	-2.83e-05	-1.06e-05	4.29e-06
78	80	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
78	81	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
78	82	6.14e-04	4.35e-04	-0.09	-1.12e-05	-8.86e-06	0.0
79	1	2.23e-05	8.48e-04	-0.12	3.16e-05	-2.08e-05	0.0
79	11	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
79	28	4.03e-03	1.88e-03	-0.10	2.24e-05	-1.51e-05	-2.67e-06
79	38	-1.58e-03	8.21e-03	-0.10	1.39e-05	-1.55e-05	7.08e-06
79	60	2.36e-03	1.47e-03	-0.10	2.31e-05	-1.55e-05	-1.72e-06
79	70	-9.42e-04	5.65e-03	-0.10	1.74e-05	-1.57e-05	4.56e-06
79	80	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
79	81	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
79	82	1.72e-05	6.52e-04	-0.10	2.43e-05	-1.60e-05	0.0
80	1	-3.46e-04	-3.58e-04	-0.12	1.11e-04	-1.87e-05	0.0
80	11	-2.66e-04	-2.75e-04	-0.10	8.58e-05	-1.44e-05	0.0
80	31	-4.29e-03	-1.54e-03	-0.10	8.76e-05	-1.48e-05	2.78e-06
80	37	1.32e-03	-8.02e-03	-0.09	9.58e-05	-1.52e-05	-7.26e-06
80	38	-1.85e-03	7.47e-03	-0.10	7.57e-05	-1.37e-05	7.26e-06
80	63	-2.62e-03	-1.12e-03	-0.10	8.70e-05	-1.46e-05	1.80e-06
80	69	6.86e-04	-5.40e-03	-0.10	9.24e-05	-1.49e-05	-4.66e-06
80	70	-1.22e-03	4.85e-03	-0.10	7.91e-05	-1.39e-05	4.66e-06
80	80	-2.66e-04	-2.75e-04	-0.10	8.58e-05	-1.44e-05	0.0
80	81	-2.66e-04	-2.75e-04	-0.10	8.58e-05	-1.44e-05	0.0
80	82	-2.66e-04	-2.75e-04	-0.10	8.58e-05	-1.44e-05	0.0
81	1	3.47e-03	-1.70e-04	-0.12	5.95e-06	-6.57e-06	0.0
81	11	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
81	21	5.83e-03	-7.05e-04	-0.09	9.90e-06	1.58e-05	0.0
81	33	3.21e-03	-5.81e-03	-0.09	5.68e-05	-1.15e-06	0.0
81	35	1.38e-03	-5.98e-03	-0.09	5.84e-05	-1.32e-05	0.0
81	53	4.52e-03	-5.08e-04	-0.09	8.07e-06	7.10e-06	0.0
81	65	2.96e-03	-3.90e-03	-0.09	3.93e-05	-2.93e-06	0.0
81	67	1.90e-03	-4.01e-03	-0.09	4.02e-05	-9.97e-06	0.0
81	80	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
81	81	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
81	82	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
82	1	2.59e-03	-5.61e-04	-0.12	1.46e-05	-4.09e-05	0.0
82	11	1.99e-03	-4.32e-04	-0.09	1.12e-05	-3.15e-05	0.0
82	21	5.76e-03	-1.17e-03	-0.09	1.42e-05	-2.17e-05	3.72e-06
82	33	2.65e-03	-7.71e-03	-0.09	3.87e-05	-2.92e-05	6.17e-06
82	35	4.68e-04	-7.93e-03	-0.09	3.95e-05	-3.50e-05	5.39e-06
82	53	4.20e-03	-9.18e-04	-0.09	1.32e-05	-2.58e-05	2.60e-06
82	65	2.35e-03	-5.27e-03	-0.09	2.95e-05	-3.02e-05	4.11e-06
82	67	1.08e-03	-5.40e-03	-0.09	3.00e-05	-3.36e-05	3.66e-06
82	80	1.99e-03	-4.32e-04	-0.09	1.12e-05	-3.15e-05	0.0
82	81	1.99e-03	-4.32e-04	-0.09	1.12e-05	-3.15e-05	0.0
82	82	1.99e-03	-4.32e-04	-0.09	1.12e-05	-3.15e-05	0.0
83	1	8.21e-05	-8.46e-04	-0.12	-3.15e-05	-6.02e-05	0.0
83	11	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
83	21	4.07e-03	-1.48e-03	-0.09	-2.30e-05	-4.39e-05	2.78e-06
83	33	7.98e-04	-8.70e-03	-0.09	-1.33e-05	-4.61e-05	5.27e-06
83	35	-1.53e-03	-8.94e-03	-0.09	-1.30e-05	-4.77e-05	4.57e-06
83	53	2.40e-03	-1.19e-03	-0.09	-2.34e-05	-4.49e-05	1.69e-06
83	65	4.61e-04	-6.00e-03	-0.09	-1.70e-05	-4.62e-05	3.21e-06
83	67	-8.91e-04	-6.14e-03	-0.09	-1.68e-05	-4.72e-05	2.81e-06
83	80	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
83	81	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
83	82	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
84	1	-9.73e-04	3.58e-04	-0.12	-1.11e-04	-5.71e-05	0.0
84	11	-7.49e-04	2.75e-04	-0.09	-8.57e-05	-4.39e-05	0.0
84	22	-4.80e-03	1.12e-03	-0.09	-8.69e-05	-4.60e-05	-2.95e-06

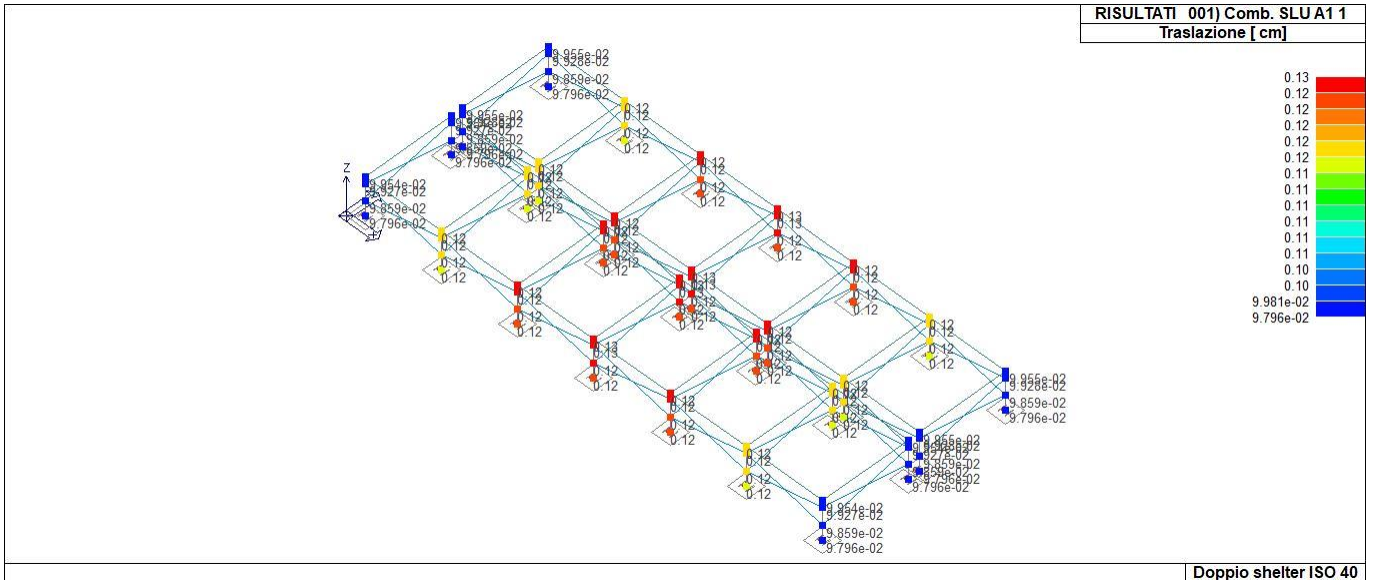
84	32	8.47e-04	8.77e-03	-0.09	-9.66e-05	-4.26e-05	-4.88e-06
84	33	7.58e-06	-7.97e-03	-0.09	-7.51e-05	-4.39e-05	5.61e-06
84	54	-3.11e-03	8.32e-04	-0.09	-8.65e-05	-4.51e-05	-1.84e-06
84	64	2.09e-04	5.90e-03	-0.09	-9.29e-05	-4.31e-05	-3.05e-06
84	65	-3.38e-04	-5.20e-03	-0.09	-7.87e-05	-4.39e-05	3.48e-06
84	80	-7.49e-04	2.75e-04	-0.09	-8.57e-05	-4.39e-05	0.0
84	81	-7.49e-04	2.75e-04	-0.09	-8.57e-05	-4.39e-05	0.0
84	82	-7.49e-04	2.75e-04	-0.09	-8.57e-05	-4.39e-05	0.0
85	1	3.47e-03	1.70e-04	-0.12	-5.95e-06	-6.57e-06	0.0
85	11	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
85	20	5.50e-03	1.29e-03	-0.09	-1.52e-05	1.36e-05	0.0
85	32	3.11e-03	5.98e-03	-0.09	-5.84e-05	-1.81e-06	0.0
85	36	3.05e-03	5.83e-03	-0.09	-5.70e-05	-2.22e-06	0.0
85	52	4.32e-03	8.59e-04	-0.09	-1.13e-05	5.82e-06	0.0
85	64	2.90e-03	4.01e-03	-0.09	-4.02e-05	-3.31e-06	0.0
85	68	2.85e-03	3.92e-03	-0.09	-3.94e-05	-3.65e-06	0.0
85	80	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
85	81	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
85	82	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
86	1	2.59e-03	5.61e-04	-0.12	-1.46e-05	-4.09e-05	0.0
86	11	1.99e-03	4.32e-04	-0.09	-1.12e-05	-3.15e-05	0.0
86	20	5.36e-03	1.92e-03	-0.09	-1.69e-05	-2.27e-05	-1.37e-06
86	32	2.53e-03	7.93e-03	-0.09	-3.95e-05	-2.95e-05	-5.46e-06
86	36	2.46e-03	7.74e-03	-0.09	-3.88e-05	-2.97e-05	-6.20e-06
86	52	3.96e-03	1.37e-03	-0.09	-1.48e-05	-2.63e-05	-1.25e-06
86	64	2.28e-03	5.40e-03	-0.09	-3.00e-05	-3.04e-05	-3.70e-06
86	68	2.22e-03	5.28e-03	-0.09	-2.95e-05	-3.06e-05	-4.12e-06
86	80	1.99e-03	4.32e-04	-0.09	-1.12e-05	-3.15e-05	0.0
86	81	1.99e-03	4.32e-04	-0.09	-1.12e-05	-3.15e-05	0.0
86	82	1.99e-03	4.32e-04	-0.09	-1.12e-05	-3.15e-05	0.0
87	1	8.21e-05	8.46e-04	-0.12	3.15e-05	-6.02e-05	0.0
87	11	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
87	20	3.65e-03	2.30e-03	-0.09	2.19e-05	-4.41e-05	0.0
87	32	6.71e-04	8.94e-03	-0.09	1.30e-05	-4.62e-05	-4.55e-06
87	36	5.93e-04	8.73e-03	-0.09	1.33e-05	-4.63e-05	-5.31e-06
87	52	2.15e-03	1.69e-03	-0.09	2.28e-05	-4.51e-05	0.0
87	64	3.87e-04	6.14e-03	-0.09	1.68e-05	-4.63e-05	-2.80e-06
87	68	3.22e-04	6.01e-03	-0.09	1.70e-05	-4.63e-05	-3.23e-06
87	80	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
87	81	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
87	82	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
88	1	-9.73e-04	-3.58e-04	-0.12	1.11e-04	-5.71e-05	0.0
88	11	-7.49e-04	-2.75e-04	-0.09	8.57e-05	-4.39e-05	0.0
88	23	-4.37e-03	-1.96e-03	-0.09	8.79e-05	-4.58e-05	0.0
88	35	-1.38e-03	-8.77e-03	-0.09	9.66e-05	-4.39e-05	4.88e-06
88	36	-2.00e-04	8.00e-03	-0.09	7.51e-05	-4.40e-05	-5.64e-06
88	55	-2.86e-03	-1.34e-03	-0.09	8.71e-05	-4.50e-05	0.0
88	67	-1.08e-03	-5.90e-03	-0.09	9.29e-05	-4.39e-05	3.05e-06
88	68	-4.78e-04	5.22e-03	-0.09	7.86e-05	-4.40e-05	-3.49e-06
88	80	-7.49e-04	-2.75e-04	-0.09	8.57e-05	-4.39e-05	0.0
88	81	-7.49e-04	-2.75e-04	-0.09	8.57e-05	-4.39e-05	0.0
88	82	-7.49e-04	-2.75e-04	-0.09	8.57e-05	-4.39e-05	0.0
89	1	3.47e-03	-1.70e-04	-0.12	5.95e-06	-6.57e-06	0.0
89	11	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
89	29	5.50e-03	-1.29e-03	-0.09	1.53e-05	1.36e-05	0.0
89	33	3.05e-03	-5.83e-03	-0.09	5.70e-05	-2.22e-06	0.0
89	37	3.11e-03	-5.98e-03	-0.09	5.84e-05	-1.81e-06	0.0
89	61	4.32e-03	-8.59e-04	-0.09	1.13e-05	5.83e-06	0.0
89	65	2.85e-03	-3.92e-03	-0.09	3.94e-05	-3.65e-06	0.0
89	69	2.90e-03	-4.01e-03	-0.09	4.02e-05	-3.31e-06	0.0
89	80	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
89	81	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
89	82	2.67e-03	-1.31e-04	-0.09	4.58e-06	-5.05e-06	0.0
90	1	2.59e-03	-5.62e-04	-0.12	1.46e-05	-4.09e-05	0.0
90	11	1.99e-03	-4.32e-04	-0.09	1.13e-05	-3.15e-05	0.0
90	29	5.37e-03	-1.92e-03	-0.09	1.69e-05	-2.27e-05	1.37e-06
90	33	2.46e-03	-7.74e-03	-0.09	3.88e-05	-2.97e-05	6.20e-06
90	37	2.53e-03	-7.93e-03	-0.09	3.95e-05	-2.95e-05	5.46e-06
90	61	3.96e-03	-1.37e-03	-0.09	1.48e-05	-2.63e-05	1.25e-06
90	65	2.22e-03	-5.28e-03	-0.09	2.95e-05	-3.06e-05	4.12e-06
90	69	2.28e-03	-5.40e-03	-0.09	3.00e-05	-3.04e-05	3.70e-06
90	80	1.99e-03	-4.32e-04	-0.09	1.13e-05	-3.15e-05	0.0
90	81	1.99e-03	-4.32e-04	-0.09	1.13e-05	-3.15e-05	0.0
90	82	1.99e-03	-4.32e-04	-0.09	1.13e-05	-3.15e-05	0.0
91	1	8.21e-05	8.47e-04	-0.12	3.15e-05	-6.02e-05	0.0
91	11	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0

91	29	3.65e-03	-2.30e-03	-0.09	-2.19e-05	-4.41e-05	0.0
91	33	5.93e-04	-8.73e-03	-0.09	-1.33e-05	-4.63e-05	5.30e-06
91	37	6.71e-04	-8.94e-03	-0.09	-1.30e-05	-4.62e-05	4.55e-06
91	61	2.15e-03	-1.69e-03	-0.09	-2.28e-05	-4.51e-05	0.0
91	65	3.23e-04	-6.01e-03	-0.09	-1.70e-05	-4.63e-05	3.23e-06
91	69	3.87e-04	-6.14e-03	-0.09	-1.68e-05	-4.63e-05	2.79e-06
91	80	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
91	81	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
91	82	6.31e-05	-6.51e-04	-0.09	-2.42e-05	-4.63e-05	0.0
92	1	-9.73e-04	3.58e-04	-0.12	-1.11e-04	-5.71e-05	0.0
92	11	-7.49e-04	2.76e-04	-0.09	-8.57e-05	-4.39e-05	0.0
92	30	-4.37e-03	1.97e-03	-0.09	-8.80e-05	-4.58e-05	0.0
92	33	-1.99e-04	-8.00e-03	-0.09	-7.51e-05	-4.40e-05	5.64e-06
92	38	-1.38e-03	8.77e-03	-0.09	-9.66e-05	-4.39e-05	-4.87e-06
92	62	-2.86e-03	1.34e-03	-0.09	-8.72e-05	-4.50e-05	0.0
92	65	-4.78e-04	-5.22e-03	-0.09	-7.87e-05	-4.40e-05	3.49e-06
92	70	-1.08e-03	5.90e-03	-0.09	-9.30e-05	-4.39e-05	-3.04e-06
92	80	-7.49e-04	2.76e-04	-0.09	-8.57e-05	-4.39e-05	0.0
92	81	-7.49e-04	2.76e-04	-0.09	-8.57e-05	-4.39e-05	0.0
92	82	-7.49e-04	2.76e-04	-0.09	-8.57e-05	-4.39e-05	0.0
93	1	3.47e-03	1.70e-04	-0.12	-5.95e-06	-6.57e-06	0.0
93	11	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
93	28	5.83e-03	7.05e-04	-0.09	-9.90e-06	1.58e-05	0.0
93	36	3.21e-03	5.81e-03	-0.09	-5.68e-05	-1.15e-06	0.0
93	38	1.38e-03	5.98e-03	-0.09	-5.84e-05	-1.33e-05	0.0
93	60	4.52e-03	5.08e-04	-0.09	-8.07e-06	7.10e-06	0.0
93	68	2.96e-03	3.90e-03	-0.09	-3.93e-05	-2.93e-06	0.0
93	70	1.90e-03	4.01e-03	-0.09	-4.02e-05	-9.97e-06	0.0
93	80	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
93	81	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
93	82	2.67e-03	1.31e-04	-0.09	-4.58e-06	-5.05e-06	0.0
94	1	2.59e-03	5.62e-04	-0.12	-1.46e-05	-4.09e-05	0.0
94	11	1.99e-03	4.32e-04	-0.09	-1.13e-05	-3.15e-05	0.0
94	28	5.76e-03	1.17e-03	-0.09	-1.42e-05	-2.17e-05	-3.73e-06
94	36	2.65e-03	7.71e-03	-0.09	-3.87e-05	-2.92e-05	-6.16e-06
94	38	4.68e-04	7.93e-03	-0.09	-3.95e-05	-3.50e-05	-5.39e-06
94	60	4.20e-03	9.18e-04	-0.09	-1.32e-05	-2.58e-05	-2.61e-06
94	68	2.35e-03	5.27e-03	-0.09	-2.95e-05	-3.02e-05	-4.10e-06
94	70	1.08e-03	5.40e-03	-0.09	-3.00e-05	-3.36e-05	-3.66e-06
94	80	1.99e-03	4.32e-04	-0.09	-1.13e-05	-3.15e-05	0.0
94	81	1.99e-03	4.32e-04	-0.09	-1.13e-05	-3.15e-05	0.0
94	82	1.99e-03	4.32e-04	-0.09	-1.13e-05	-3.15e-05	0.0
95	1	8.21e-05	8.47e-04	-0.12	3.15e-05	-6.02e-05	0.0
95	11	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
95	28	4.07e-03	1.48e-03	-0.09	2.30e-05	-4.39e-05	-2.78e-06
95	36	7.97e-04	8.70e-03	-0.09	1.34e-05	-4.61e-05	-5.27e-06
95	38	-1.53e-03	8.94e-03	-0.09	1.30e-05	-4.77e-05	-4.56e-06
95	60	2.40e-03	1.19e-03	-0.09	2.34e-05	-4.49e-05	-1.69e-06
95	68	4.61e-04	6.00e-03	-0.09	1.70e-05	-4.62e-05	-3.21e-06
95	70	-8.91e-04	6.14e-03	-0.09	1.68e-05	-4.72e-05	-2.80e-06
95	80	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
95	81	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
95	82	6.31e-05	6.51e-04	-0.09	2.42e-05	-4.63e-05	0.0
96	1	-9.73e-04	-3.58e-04	-0.12	1.11e-04	-5.71e-05	0.0
96	11	-7.49e-04	-2.76e-04	-0.09	8.57e-05	-4.39e-05	0.0
96	31	-4.80e-03	-1.12e-03	-0.09	8.70e-05	-4.60e-05	2.96e-06
96	36	7.32e-06	7.97e-03	-0.09	7.51e-05	-4.39e-05	-5.61e-06
96	37	8.48e-04	-8.77e-03	-0.09	9.66e-05	-4.26e-05	4.88e-06
96	63	-3.11e-03	-8.32e-04	-0.09	8.65e-05	-4.51e-05	1.84e-06
96	68	-3.38e-04	5.20e-03	-0.09	7.87e-05	-4.39e-05	-3.47e-06
96	69	2.09e-04	-5.90e-03	-0.09	9.30e-05	-4.31e-05	3.05e-06
96	80	-7.49e-04	-2.76e-04	-0.09	8.57e-05	-4.39e-05	0.0
96	81	-7.49e-04	-2.76e-04	-0.09	8.57e-05	-4.39e-05	0.0
96	82	-7.49e-04	-2.76e-04	-0.09	8.57e-05	-4.39e-05	0.0
97	1	5.16e-03	-1.25e-04	-0.10	5.78e-06	-4.02e-06	0.0
97	11	3.97e-03	-9.60e-05	-0.08	4.45e-06	-3.09e-06	0.0
97	21	6.95e-03	-5.05e-04	-0.08	8.26e-06	1.83e-05	0.0
97	33	4.49e-03	-5.84e-03	-0.08	5.73e-05	0.0	0.0
97	35	2.77e-03	-6.01e-03	-0.08	5.89e-05	-1.15e-05	0.0
97	53	5.71e-03	-3.55e-04	-0.08	6.86e-06	9.40e-06	0.0
97	65	4.25e-03	-3.91e-03	-0.08	3.95e-05	0.0	0.0
97	67	3.25e-03	-4.01e-03	-0.08	4.04e-05	-8.15e-06	0.0
97	80	3.97e-03	-9.60e-05	-0.08	4.45e-06	-3.09e-06	0.0
97	81	3.97e-03	-9.60e-05	-0.08	4.45e-06	-3.09e-06	0.0
97	82	3.97e-03	-9.60e-05	-0.08	4.45e-06	-3.09e-06	0.0
98	1	4.15e-03	-5.23e-04	-0.10	1.52e-05	-5.07e-05	1.93e-06

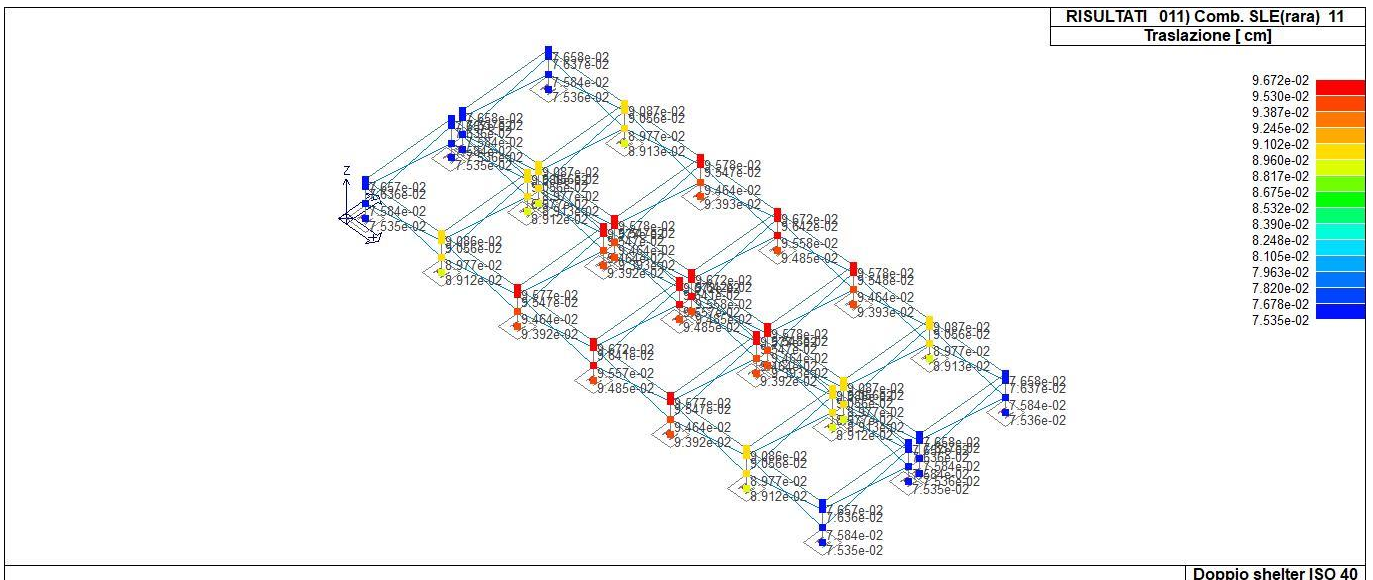
98	11	3.19e-03	-4.02e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
98	21	6.84e-03	-9.30e-04	-0.08	1.38e-05	-2.67e-05	4.69e-06
98	33	3.84e-03	-7.77e-03	-0.08	3.94e-05	-3.65e-05	-1.98e-06
98	35	1.73e-03	-7.99e-03	-0.08	4.03e-05	-4.37e-05	-3.13e-06
98	53	5.33e-03	-7.37e-04	-0.08	1.30e-05	-3.18e-05	3.44e-06
98	65	3.55e-03	-5.29e-03	-0.08	3.01e-05	-3.76e-05	0.0
98	67	2.32e-03	-5.42e-03	-0.08	3.06e-05	-4.18e-05	-1.39e-06
98	80	3.19e-03	-4.02e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
98	81	3.19e-03	-4.02e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
98	82	3.19e-03	-4.02e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
99	1	5.66e-04	-8.36e-04	-0.10	-3.11e-05	-1.06e-04	-1.96e-06
99	11	4.35e-04	-6.43e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
99	21	4.44e-03	-1.23e-03	-0.08	-2.30e-05	-7.71e-05	1.68e-06
99	33	1.17e-03	-8.78e-03	-0.08	-1.30e-05	-8.06e-05	2.59e-06
99	35	-1.15e-03	-9.02e-03	-0.08	-1.26e-05	-8.35e-05	1.50e-06
99	53	2.77e-03	-1.02e-03	-0.08	-2.33e-05	-7.90e-05	0.0
99	65	8.36e-04	-6.04e-03	-0.08	-1.67e-05	-8.11e-05	1.01e-06
99	67	-5.17e-04	-6.19e-03	-0.08	-1.64e-05	-8.27e-05	0.0
99	80	4.35e-04	-6.43e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
99	81	4.35e-04	-6.43e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
99	82	4.35e-04	-6.43e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
100	1	-1.59e-03	3.61e-04	-0.10	-1.11e-04	-1.36e-04	0.0
100	11	-1.22e-03	2.77e-04	-0.08	-8.54e-05	-1.05e-04	0.0
100	22	-5.30e-03	8.86e-04	-0.08	-8.75e-05	-1.09e-04	-3.14e-06
100	32	3.88e-04	8.86e-03	-0.08	-9.60e-05	-1.03e-04	-3.12e-06
100	33	-4.59e-04	-8.06e-03	-0.08	-7.45e-05	-1.04e-04	4.15e-06
100	54	-3.60e-03	6.64e-04	-0.08	-8.67e-05	-1.07e-04	-1.93e-06
100	64	-2.56e-04	5.96e-03	-0.08	-9.24e-05	-1.04e-04	-1.97e-06
100	65	-8.07e-04	-5.25e-03	-0.08	-7.82e-05	-1.04e-04	2.56e-06
100	80	-1.22e-03	2.77e-04	-0.08	-8.54e-05	-1.05e-04	0.0
100	81	-1.22e-03	2.77e-04	-0.08	-8.54e-05	-1.05e-04	0.0
100	82	-1.22e-03	2.77e-04	-0.08	-8.54e-05	-1.05e-04	0.0
101	1	5.16e-03	1.25e-04	-0.10	-5.78e-06	-4.02e-06	0.0
101	11	3.97e-03	9.60e-05	-0.08	-4.45e-06	-3.09e-06	0.0
101	20	6.63e-03	1.08e-03	-0.08	-1.35e-05	1.61e-05	0.0
101	32	4.39e-03	6.01e-03	-0.08	-5.89e-05	0.0	0.0
101	52	5.52e-03	7.06e-04	-0.08	-1.01e-05	8.09e-06	0.0
101	64	4.19e-03	4.01e-03	-0.08	-4.04e-05	-1.32e-06	0.0
101	80	3.97e-03	9.60e-05	-0.08	-4.45e-06	-3.09e-06	0.0
101	81	3.97e-03	9.60e-05	-0.08	-4.45e-06	-3.09e-06	0.0
101	82	3.97e-03	9.60e-05	-0.08	-4.45e-06	-3.09e-06	0.0
102	1	4.15e-03	5.23e-04	-0.10	-1.52e-05	-5.07e-05	-1.93e-06
102	11	3.19e-03	4.02e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
102	20	6.45e-03	1.66e-03	-0.08	-1.66e-05	-2.79e-05	-1.29e-06
102	32	3.73e-03	7.99e-03	-0.08	-4.03e-05	-3.68e-05	2.99e-06
102	52	5.10e-03	1.19e-03	-0.08	-1.47e-05	-3.26e-05	-1.48e-06
102	64	3.48e-03	5.42e-03	-0.08	-3.06e-05	-3.78e-05	1.31e-06
102	80	3.19e-03	4.02e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
102	81	3.19e-03	4.02e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
102	82	3.19e-03	4.02e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
103	1	5.66e-04	8.36e-04	-0.10	3.11e-05	-1.06e-04	1.96e-06
103	11	4.35e-04	6.43e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
103	20	4.02e-03	2.04e-03	-0.08	2.30e-05	-7.74e-05	1.80e-06
103	32	1.05e-03	9.02e-03	-0.08	1.30e-05	-8.07e-05	-1.55e-06
103	52	2.53e-03	1.51e-03	-0.08	2.33e-05	-7.92e-05	1.56e-06
103	64	7.61e-04	6.19e-03	-0.08	1.67e-05	-8.11e-05	0.0
103	80	4.35e-04	6.43e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
103	81	4.35e-04	6.43e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
103	82	4.35e-04	6.43e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
104	1	-1.59e-03	-3.61e-04	-0.10	1.11e-04	-1.36e-04	0.0
104	11	-1.22e-03	-2.77e-04	-0.08	8.54e-05	-1.05e-04	0.0
104	23	-4.87e-03	-1.71e-03	-0.08	8.63e-05	-1.08e-04	0.0
104	32	-5.88e-04	8.30e-03	-0.08	7.49e-05	-1.04e-04	-3.10e-06
104	35	-1.86e-03	-8.86e-03	-0.08	9.60e-05	-1.05e-04	3.12e-06
104	55	-3.35e-03	-1.17e-03	-0.08	8.60e-05	-1.07e-04	0.0
104	64	-8.82e-04	5.40e-03	-0.08	7.84e-05	-1.04e-04	-1.95e-06
104	67	-1.56e-03	-5.96e-03	-0.08	9.24e-05	-1.05e-04	1.97e-06
104	80	-1.22e-03	-2.77e-04	-0.08	8.54e-05	-1.05e-04	0.0
104	81	-1.22e-03	-2.77e-04	-0.08	8.54e-05	-1.05e-04	0.0
104	82	-1.22e-03	-2.77e-04	-0.08	8.54e-05	-1.05e-04	0.0
105	1	5.16e-03	-1.25e-04	-0.10	5.79e-06	-4.02e-06	0.0
105	11	3.97e-03	-9.61e-05	-0.08	4.45e-06	-3.09e-06	0.0
105	29	6.63e-03	-1.08e-03	-0.08	1.35e-05	1.61e-05	0.0
105	37	4.39e-03	-6.01e-03	-0.08	5.88e-05	0.0	0.0
105	61	5.52e-03	-7.06e-04	-0.08	1.01e-05	8.09e-06	0.0
105	69	4.19e-03	-4.01e-03	-0.08	4.04e-05	-1.32e-06	0.0

105	80	3.97e-03	-9.61e-05	-0.08	4.45e-06	-3.09e-06	0.0
105	81	3.97e-03	-9.61e-05	-0.08	4.45e-06	-3.09e-06	0.0
105	82	3.97e-03	-9.61e-05	-0.08	4.45e-06	-3.09e-06	0.0
106	1	4.15e-03	-5.24e-04	-0.10	1.52e-05	-5.07e-05	1.93e-06
106	11	3.19e-03	-4.03e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
106	29	6.45e-03	-1.66e-03	-0.08	1.66e-05	-2.79e-05	1.29e-06
106	37	3.73e-03	-7.99e-03	-0.08	4.03e-05	-3.68e-05	-2.99e-06
106	61	5.10e-03	-1.19e-03	-0.08	1.47e-05	-3.25e-05	1.48e-06
106	69	3.48e-03	-5.42e-03	-0.08	3.06e-05	-3.78e-05	-1.31e-06
106	80	3.19e-03	-4.03e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
106	81	3.19e-03	-4.03e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
106	82	3.19e-03	-4.03e-04	-0.08	1.17e-05	-3.90e-05	1.49e-06
107	1	5.66e-04	-8.37e-04	-0.10	-3.11e-05	-1.06e-04	-1.96e-06
107	11	4.35e-04	-6.44e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
107	29	4.02e-03	-2.04e-03	-0.08	-2.31e-05	-7.74e-05	-1.81e-06
107	37	1.05e-03	-9.02e-03	-0.08	-1.30e-05	-8.07e-05	1.54e-06
107	61	2.53e-03	-1.51e-03	-0.08	-2.34e-05	-7.92e-05	-1.56e-06
107	69	7.61e-04	-6.19e-03	-0.08	-1.67e-05	-8.11e-05	0.0
107	80	4.35e-04	-6.44e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
107	81	4.35e-04	-6.44e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
107	82	4.35e-04	-6.44e-04	-0.08	-2.39e-05	-8.16e-05	-1.51e-06
108	1	-1.59e-03	3.61e-04	-0.10	-1.11e-04	-1.36e-04	0.0
108	11	-1.22e-03	2.78e-04	-0.08	-8.55e-05	-1.05e-04	0.0
108	30	-4.87e-03	1.71e-03	-0.08	-8.63e-05	-1.08e-04	0.0
108	37	-5.88e-04	-8.30e-03	-0.08	-7.49e-05	-1.04e-04	3.10e-06
108	38	-1.86e-03	8.86e-03	-0.08	-9.60e-05	-1.05e-04	-3.12e-06
108	62	-3.35e-03	1.17e-03	-0.08	-8.60e-05	-1.07e-04	0.0
108	69	-8.82e-04	-5.40e-03	-0.08	-7.85e-05	-1.04e-04	1.95e-06
108	70	-1.56e-03	5.96e-03	-0.08	-9.25e-05	-1.05e-04	-1.97e-06
108	80	-1.22e-03	2.78e-04	-0.08	-8.55e-05	-1.05e-04	0.0
108	81	-1.22e-03	2.78e-04	-0.08	-8.55e-05	-1.05e-04	0.0
108	82	-1.22e-03	2.78e-04	-0.08	-8.55e-05	-1.05e-04	0.0
109	1	5.16e-03	1.25e-04	-0.10	-5.79e-06	-4.02e-06	0.0
109	11	3.97e-03	9.61e-05	-0.08	-4.45e-06	-3.09e-06	0.0
109	28	6.95e-03	5.06e-04	-0.08	-8.27e-06	1.83e-05	0.0
109	36	4.49e-03	5.84e-03	-0.08	-5.73e-05	0.0	0.0
109	38	2.77e-03	6.01e-03	-0.08	-5.89e-05	-1.15e-05	0.0
109	60	5.71e-03	3.56e-04	-0.08	-6.87e-06	9.40e-06	0.0
109	68	4.25e-03	3.91e-03	-0.08	-3.95e-05	0.0	0.0
109	70	3.25e-03	4.01e-03	-0.08	-4.04e-05	-8.15e-06	0.0
109	80	3.97e-03	9.61e-05	-0.08	-4.45e-06	-3.09e-06	0.0
109	81	3.97e-03	9.61e-05	-0.08	-4.45e-06	-3.09e-06	0.0
109	82	3.97e-03	9.61e-05	-0.08	-4.45e-06	-3.09e-06	0.0
110	1	4.15e-03	5.24e-04	-0.10	-1.52e-05	-5.07e-05	-1.93e-06
110	11	3.19e-03	4.03e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
110	28	6.84e-03	9.32e-04	-0.08	-1.38e-05	-2.67e-05	-4.70e-06
110	36	3.84e-03	7.77e-03	-0.08	-3.94e-05	-3.65e-05	1.97e-06
110	38	1.73e-03	7.99e-03	-0.08	-4.03e-05	-4.37e-05	3.13e-06
110	60	5.33e-03	7.38e-04	-0.08	-1.30e-05	-3.18e-05	-3.45e-06
110	68	3.55e-03	5.29e-03	-0.08	-3.01e-05	-3.76e-05	0.0
110	70	2.32e-03	5.42e-03	-0.08	-3.06e-05	-4.18e-05	1.39e-06
110	80	3.19e-03	4.03e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
110	81	3.19e-03	4.03e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
110	82	3.19e-03	4.03e-04	-0.08	-1.17e-05	-3.90e-05	-1.49e-06
111	1	5.66e-04	8.37e-04	-0.10	3.11e-05	-1.06e-04	1.96e-06
111	11	4.35e-04	6.44e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
111	28	4.44e-03	1.24e-03	-0.08	2.31e-05	-7.70e-05	-1.69e-06
111	36	1.17e-03	8.78e-03	-0.08	1.30e-05	-8.06e-05	-2.59e-06
111	38	-1.15e-03	9.02e-03	-0.08	1.26e-05	-8.35e-05	-1.49e-06
111	60	2.77e-03	1.02e-03	-0.08	2.34e-05	-7.90e-05	0.0
111	68	8.36e-04	6.04e-03	-0.08	1.67e-05	-8.11e-05	-1.01e-06
111	70	-5.17e-04	6.19e-03	-0.08	1.64e-05	-8.27e-05	0.0
111	80	4.35e-04	6.44e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
111	81	4.35e-04	6.44e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
111	82	4.35e-04	6.44e-04	-0.08	2.39e-05	-8.16e-05	1.51e-06
112	1	-1.59e-03	-3.61e-04	-0.10	1.11e-04	-1.36e-04	0.0
112	11	-1.22e-03	-2.78e-04	-0.08	8.55e-05	-1.05e-04	0.0
112	31	-5.30e-03	-8.88e-04	-0.08	8.76e-05	-1.09e-04	3.15e-06
112	36	-4.59e-04	8.06e-03	-0.08	7.45e-05	-1.04e-04	-4.15e-06
112	37	3.88e-04	-8.86e-03	-0.08	9.60e-05	-1.03e-04	3.11e-06
112	63	-3.60e-03	-6.65e-04	-0.08	8.68e-05	-1.07e-04	1.94e-06
112	68	-8.07e-04	5.25e-03	-0.08	7.82e-05	-1.04e-04	-2.56e-06
112	69	-2.56e-04	-5.96e-03	-0.08	9.25e-05	-1.04e-04	1.97e-06
112	80	-1.22e-03	-2.78e-04	-0.08	8.55e-05	-1.05e-04	0.0
112	81	-1.22e-03	-2.78e-04	-0.08	8.55e-05	-1.05e-04	0.0
112	82	-1.22e-03	-2.78e-04	-0.08	8.55e-05	-1.05e-04	0.0

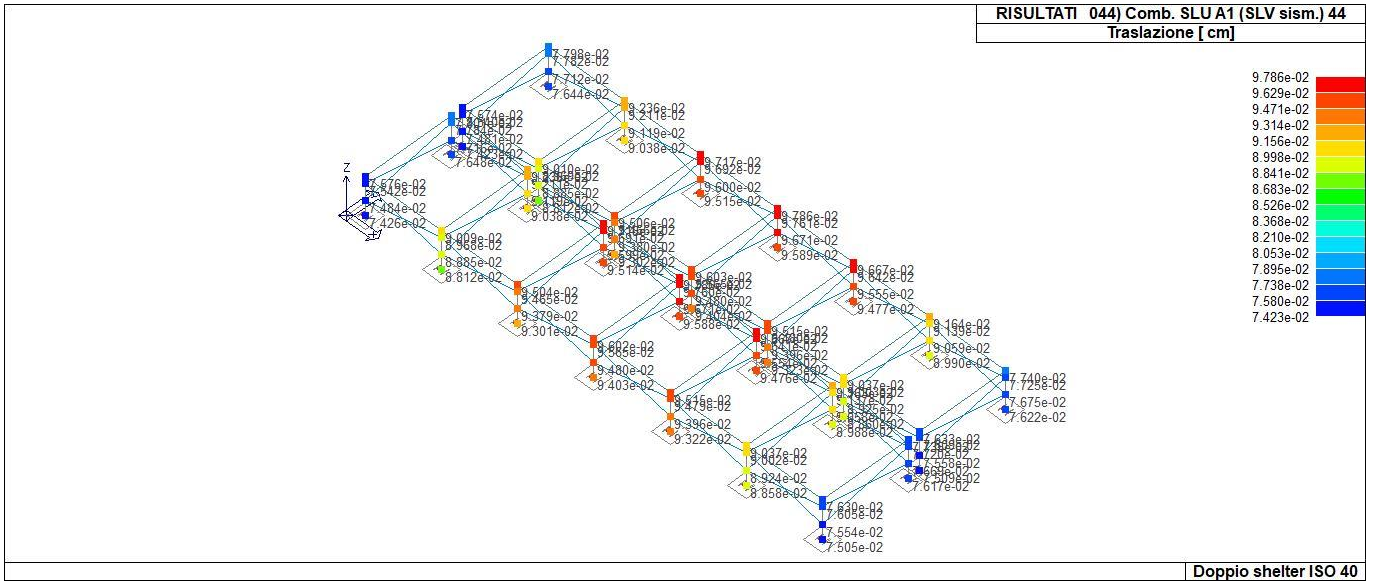
Z	Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione
		-6.95e-03	-9.02e-03	-0.13	-1.11e-04	-1.36e-04	-7.80e-06
		6.95e-03	9.02e-03	-0.08	1.11e-04	1.36e-04	7.33e-06



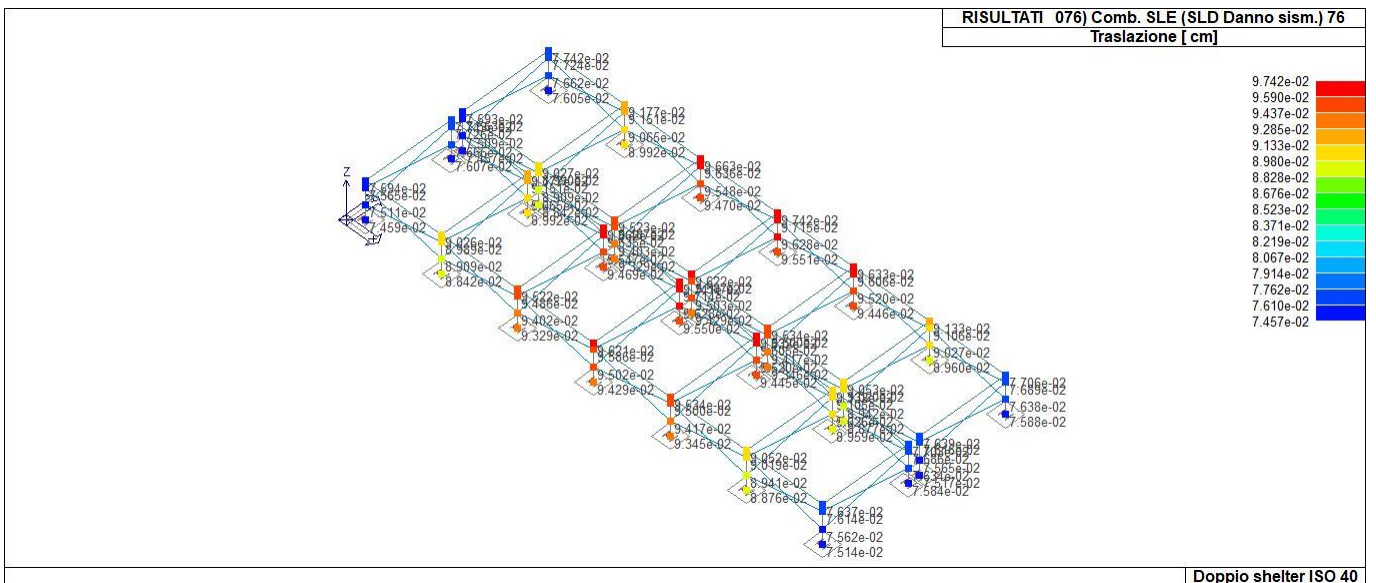
41_RIS_SPOSTAMENTI_001_Comb SLU A1 1



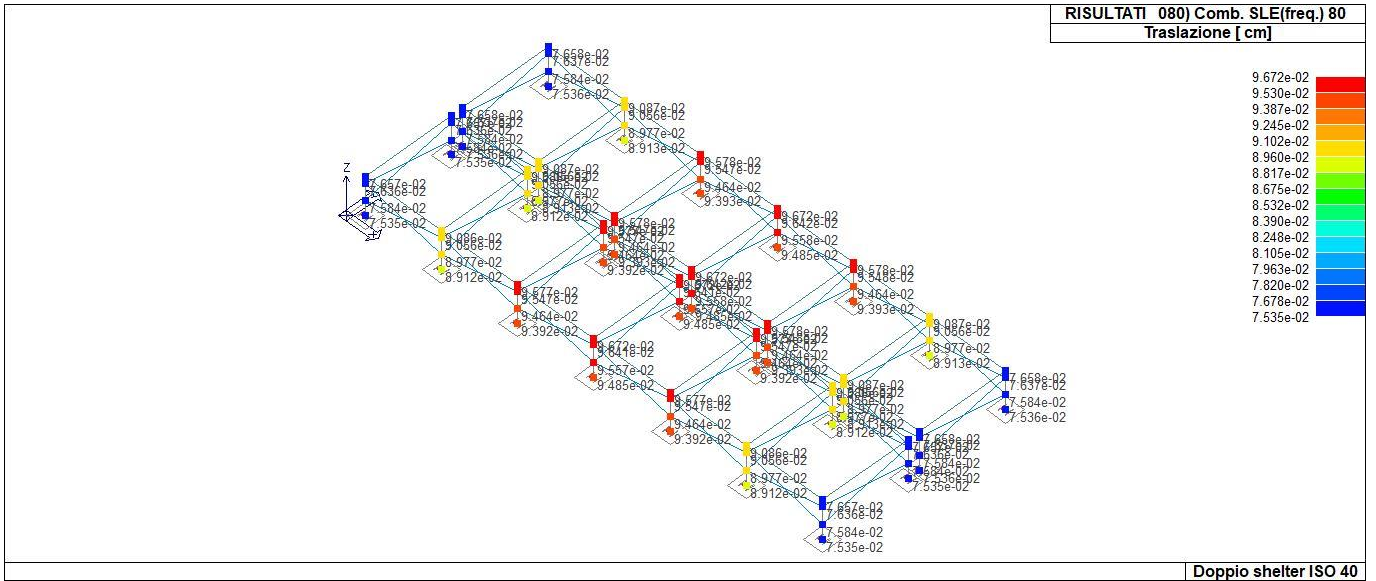
41_RIS_SPOSTAMENTI_011_Comb SLErara 11



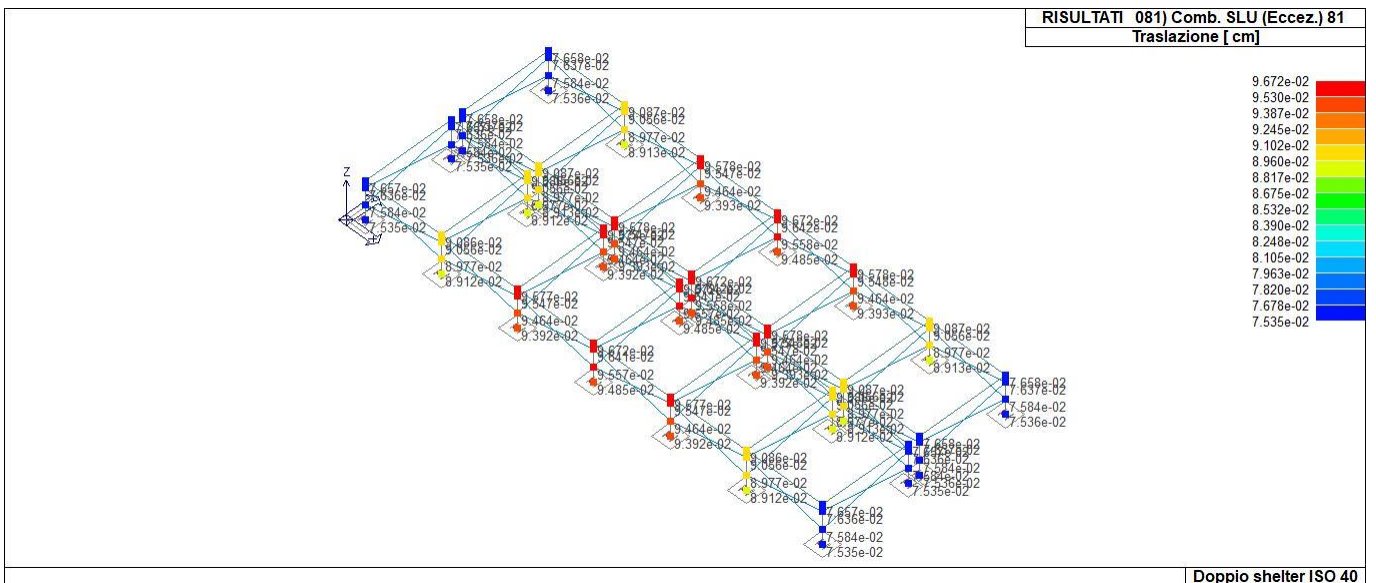
41_RIS_SPOSTAMENTI_044_Comb SLU A1 SLV sism 44



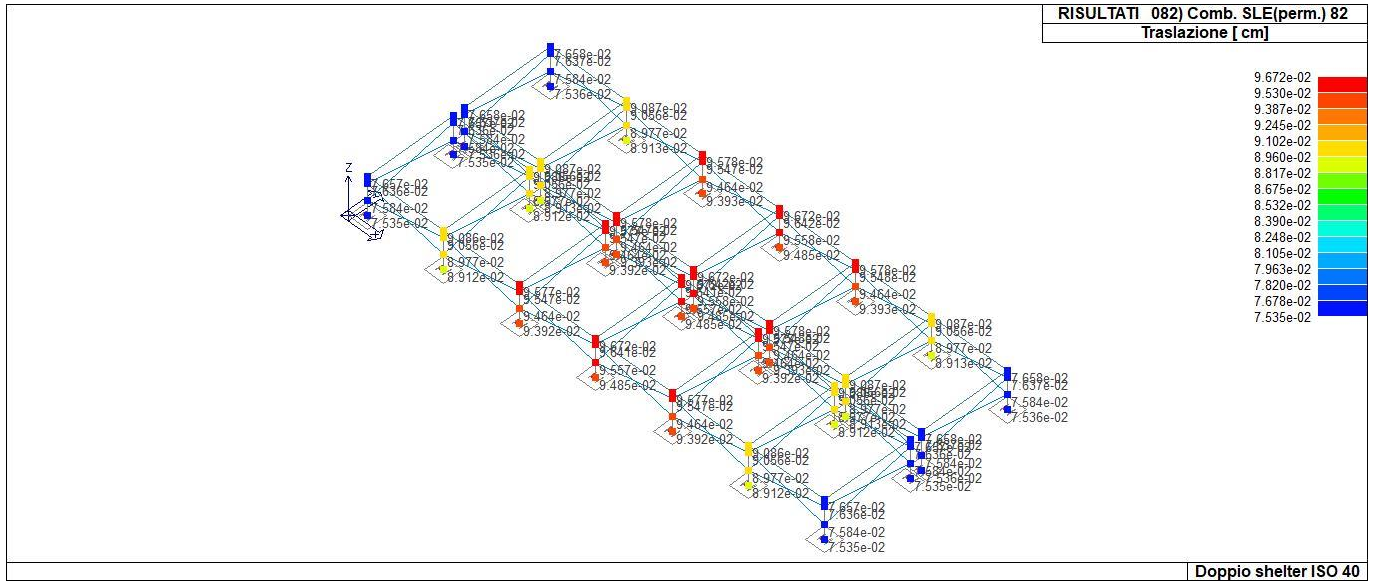
41_RIS_SPOSTAMENTI_076_Comb SLE SLD Danno sism 76



41_RIS_SPOSTAMENTI_080_Comb SLEfreq 80



41_RIS_SPOSTAMENTI_081_Comb SLU Eccez 81



41_RIS_SPOSTAMENTI_082_Comb SLEperm 82

RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm
	1	1	-143.07	8.82	-4309.20	841.17	1.154e+04	-2.24
	1	2	-110.05	6.78	-3314.77	647.05	8876.90	-1.72
	1	11	-110.05	6.78	-3314.77	647.05	8876.90	-1.72
	1	19	-143.06	4.07	-3356.13	519.42	1.101e+04	-5.42
	1	40	-104.84	46.42	-3254.28	2576.77	8553.96	-5.72
	1	42	-123.81	47.62	-3274.97	2635.78	9779.39	-7.05
	1	43	-115.26	-32.85	-3375.26	-1282.67	9199.84	2.28
	1	51	-129.36	5.07	-3339.16	566.42	1.013e+04	-3.98
	1	72	-107.29	33.06	-3275.52	1926.49	8706.81	-4.28
	1	74	-118.33	33.80	-3287.54	1962.55	9419.77	-5.05
	1	75	-112.82	-19.50	-3354.02	-632.39	9047.00	0.84
	1	80	-110.05	6.78	-3314.77	647.05	8876.90	-1.72
	1	81	-110.05	6.78	-3314.77	647.05	8876.90	-1.72
	1	82	-110.05	6.78	-3314.77	647.05	8876.90	-1.72
	5	1	-143.07	-8.82	-4309.20	-841.17	1.154e+04	2.24
	5	2	-110.05	-6.78	-3314.77	-647.05	8876.90	1.72
	5	11	-110.05	-6.78	-3314.77	-647.05	8876.90	1.72
	5	18	-139.37	-0.07	-3351.51	-322.97	1.077e+04	1.49
	5	41	-105.95	-47.62	-3255.66	-2635.71	8626.88	6.90
	5	42	-114.15	34.05	-3373.88	1341.61	9126.92	-3.46
	5	50	-127.20	-2.62	-3336.51	-446.34	9985.71	1.72
	5	73	-107.94	-33.80	-3276.31	-1962.51	8749.57	4.96
	5	74	-112.17	20.23	-3353.23	668.41	9004.24	-1.52
	5	80	-110.05	-6.78	-3314.77	-647.05	8876.90	1.72
	5	81	-110.05	-6.78	-3314.77	-647.05	8876.90	1.72
	5	82	-110.05	-6.78	-3314.77	-647.05	8876.90	1.72
	9	1	-143.07	8.82	-4309.48	841.52	1.154e+04	-2.23
	9	2	-110.05	6.78	-3314.98	647.33	8876.94	-1.72
	9	11	-110.05	6.78	-3314.98	647.33	8876.94	-1.72
	9	27	-139.36	0.06	-3351.66	322.72	1.077e+04	-1.53
	9	44	-105.96	47.62	-3255.90	2635.99	8627.16	-6.89
	9	47	-114.15	-34.05	-3374.07	-1341.34	9126.72	3.45
	9	59	-127.19	2.62	-3336.69	446.36	9985.49	-1.73
	9	76	-107.94	33.80	-3276.54	1962.82	8749.71	-4.95
	9	79	-112.17	-20.23	-3353.43	-668.17	9004.17	1.51
	9	80	-110.05	6.78	-3314.98	647.33	8876.94	-1.72
	9	81	-110.05	6.78	-3314.98	647.33	8876.94	-1.72
	9	82	-110.05	6.78	-3314.98	647.33	8876.94	-1.72
	13	1	-143.07	-8.82	-4309.48	-841.52	1.154e+04	2.23
	13	2	-110.05	-6.78	-3314.98	-647.33	8876.94	1.72
	13	11	-110.05	-6.78	-3314.98	-647.33	8876.94	1.72
	13	26	-143.05	-4.07	-3356.37	-519.40	1.101e+04	5.38
	13	45	-104.85	-46.42	-3254.49	-2576.98	8554.49	5.73
	13	46	-115.26	32.85	-3375.47	1282.33	9199.39	-2.29
	13	47	-123.81	-47.62	-3275.20	-2636.07	9779.32	7.04

13	58	-129.36	-5.07	-3339.39	-566.53	1.013e+04	3.96
13	77	-107.29	-33.06	-3275.73	-1926.77	8707.11	4.28
13	78	-112.81	19.50	-3354.23	632.12	9046.77	-0.85
13	79	-118.33	-33.80	-3287.76	-1962.86	9419.73	5.04
13	80	-110.05	-6.78	-3314.98	-647.33	8876.94	1.72
13	81	-110.05	-6.78	-3314.98	-647.33	8876.94	1.72
13	82	-110.05	-6.78	-3314.98	-647.33	8876.94	1.72
17	1	-104.28	7.99	-5101.34	779.10	8497.04	-1.13
17	2	-80.22	6.15	-3924.10	599.31	6536.18	-0.87
17	11	-80.22	6.15	-3924.10	599.31	6536.18	-0.87
17	19	-119.25	2.27	-3941.05	414.48	9169.40	-4.30
17	40	-74.34	45.33	-3871.17	2507.27	6157.22	5.38
17	42	-96.74	46.55	-3876.42	2567.48	7665.40	4.49
17	43	-86.10	-33.04	-3977.04	-1308.66	6915.15	-7.12
17	51	-103.05	3.60	-3934.44	477.90	8077.14	-3.01
17	72	-77.14	32.17	-3889.21	1866.71	6339.41	3.00
17	74	-90.17	32.91	-3892.26	1902.85	7216.87	2.49
17	75	-83.30	-19.88	-3959.00	-668.10	6732.96	-4.74
17	80	-80.22	6.15	-3924.10	599.31	6536.18	-0.87
17	81	-80.22	6.15	-3924.10	599.31	6536.18	-0.87
17	82	-80.22	6.15	-3924.10	599.31	6536.18	-0.87
21	1	-104.28	-7.99	-5101.34	-779.10	8497.04	1.13
21	2	-80.22	-6.15	-3924.10	-599.31	6536.18	0.87
21	11	-80.22	-6.15	-3924.10	-599.31	6536.18	0.87
21	18	-115.04	1.81	-3938.05	-213.65	8884.45	1.58
21	41	-75.60	-46.55	-3872.08	-2567.52	6242.75	-4.57
21	45	-76.31	-45.47	-3871.58	-2513.85	6289.74	-5.43
21	46	-84.13	33.17	-3976.63	1315.24	6782.62	7.17
21	50	-100.59	-1.15	-3932.74	-357.38	7910.05	1.45
21	73	-77.88	-32.91	-3889.73	-1902.87	6389.57	-2.53
21	77	-78.47	-32.26	-3889.49	-1871.02	6429.35	-3.02
21	78	-81.96	19.97	-3958.72	672.41	6643.01	4.76
21	80	-80.22	-6.15	-3924.10	-599.31	6536.18	0.87
21	81	-80.22	-6.15	-3924.10	-599.31	6536.18	0.87
21	82	-80.22	-6.15	-3924.10	-599.31	6536.18	0.87
25	1	-104.29	7.99	-5101.61	779.47	8497.05	-1.13
25	2	-80.22	6.15	-3924.32	599.59	6536.19	-0.87
25	11	-80.22	6.15	-3924.32	599.59	6536.19	-0.87
25	27	-115.05	-1.77	-3938.13	215.95	8884.53	-1.58
25	40	-76.31	45.48	-3871.78	2514.56	6289.66	5.42
25	43	-84.13	-33.18	-3976.85	-1315.38	6782.72	-7.16
25	44	-75.60	46.55	-3872.33	2567.65	6242.88	4.56
25	59	-100.59	1.17	-3932.88	358.77	7910.10	-1.45
25	72	-78.47	32.27	-3889.70	1871.58	6429.29	3.02
25	75	-81.97	-19.97	-3958.93	-672.40	6643.10	-4.76
25	76	-77.88	32.91	-3889.96	1903.11	6389.62	2.53
25	80	-80.22	6.15	-3924.32	599.59	6536.19	-0.87
25	81	-80.22	6.15	-3924.32	599.59	6536.19	-0.87
25	82	-80.22	6.15	-3924.32	599.59	6536.19	-0.87
29	1	-104.29	-7.99	-5101.61	-779.47	8497.05	1.13
29	2	-80.22	-6.15	-3924.32	-599.59	6536.19	0.87
29	11	-80.22	-6.15	-3924.32	-599.59	6536.19	0.87
29	26	-119.24	-2.24	-3941.21	-412.92	9168.98	4.31
29	45	-74.34	-45.35	-3871.41	-2508.56	6157.56	-5.38
29	46	-86.10	33.05	-3977.22	1309.38	6914.82	7.12
29	47	-96.74	-46.55	-3876.62	-2567.62	7665.42	-4.48
29	58	-103.05	-3.59	-3934.62	-477.17	8076.91	3.01
29	77	-77.14	-32.19	-3889.44	-1867.59	6339.59	-3.00
29	78	-83.30	19.89	-3959.19	668.40	6732.80	4.74
29	79	-90.17	-32.91	-3892.47	-1903.09	7216.87	-2.48
29	80	-80.22	-6.15	-3924.32	-599.59	6536.19	0.87
29	81	-80.22	-6.15	-3924.32	-599.59	6536.19	0.87
29	82	-80.22	-6.15	-3924.32	-599.59	6536.19	0.87
33	1	-30.38	7.90	-5378.39	772.62	2467.08	-0.26
33	2	-23.37	6.08	-4137.22	594.32	1897.75	-0.20
33	11	-23.37	6.08	-4137.22	594.32	1897.75	-0.20
33	19	-64.76	0.26	-4145.87	315.97	4722.30	-3.32
33	41	-5.49	-30.66	-4184.26	-1192.14	658.45	7.84
33	42	-41.26	42.82	-4090.19	2380.78	3137.06	-8.24
33	51	-47.58	2.19	-4142.91	407.95	3550.71	-2.22
33	73	-12.56	-18.19	-4168.33	-585.98	1148.04	4.96
33	74	-34.18	30.35	-4106.11	1774.62	2647.47	-5.36
33	80	-23.37	6.08	-4137.22	594.32	1897.75	-0.20
33	81	-23.37	6.08	-4137.22	594.32	1897.75	-0.20
33	82	-23.37	6.08	-4137.22	594.32	1897.75	-0.20
37	1	-30.38	-7.90	-5378.39	-772.62	2467.08	0.26

37	2	-23.37	-6.08	-4137.22	-594.32	1897.75	0.20
37	11	-23.37	-6.08	-4137.22	-594.32	1897.75	0.20
37	18	-60.60	3.04	-4145.61	-149.70	4440.75	1.75
37	40	-6.73	29.67	-4184.33	1142.26	742.91	-7.37
37	41	-18.78	-42.82	-4091.09	-2380.87	1606.29	8.22
37	43	-40.01	-41.83	-4090.12	-2330.89	3052.60	7.77
37	50	-45.15	-0.27	-4142.77	-311.61	3385.55	1.24
37	72	-13.30	17.62	-4168.37	557.08	1197.59	-4.67
37	73	-21.11	-30.36	-4106.65	-1774.67	1757.27	5.35
37	75	-33.45	-29.78	-4106.07	-1745.72	2597.92	5.07
37	80	-23.37	-6.08	-4137.22	-594.32	1897.75	0.20
37	81	-23.37	-6.08	-4137.22	-594.32	1897.75	0.20
37	82	-23.37	-6.08	-4137.22	-594.32	1897.75	0.20
41	1	-30.38	7.91	-5378.66	772.99	2467.08	-0.26
41	2	-23.37	6.08	-4137.43	594.61	1897.76	-0.20
41	11	-23.37	6.08	-4137.43	594.61	1897.76	-0.20
41	27	-60.62	-3.05	-4145.72	149.11	4442.01	-1.76
41	44	-18.78	42.83	-4091.34	2381.72	1606.12	-8.22
41	45	-6.73	-29.66	-4184.56	-1141.97	742.40	7.37
41	46	-40.02	41.83	-4090.30	2331.18	3053.12	-7.77
41	59	-45.16	0.27	-4142.92	311.38	3386.28	-1.24
41	76	-21.11	30.36	-4106.88	1775.31	1757.16	-5.35
41	77	-13.29	-17.62	-4168.60	-556.81	1197.31	4.67
41	78	-33.45	29.78	-4106.27	1746.02	2598.21	-5.07
41	80	-23.37	6.08	-4137.43	594.61	1897.76	-0.20
41	81	-23.37	6.08	-4137.43	594.61	1897.76	-0.20
41	82	-23.37	6.08	-4137.43	594.61	1897.76	-0.20
45	1	-30.38	-7.91	-5378.66	-772.99	2467.08	0.26
45	2	-23.37	-6.08	-4137.43	-594.61	1897.76	0.20
45	11	-23.37	-6.08	-4137.43	-594.61	1897.76	0.20
45	26	-64.77	-0.28	-4146.09	-317.27	4723.08	3.33
45	44	-5.48	30.66	-4184.45	1192.41	658.11	-7.84
45	47	-41.26	-42.83	-4090.42	-2381.63	3137.40	8.24
45	58	-47.59	-2.21	-4143.13	-408.82	3551.16	2.22
45	76	-12.56	18.20	-4168.53	586.04	1147.87	-4.96
45	79	-34.18	-30.36	-4106.33	-1775.26	2647.65	5.36
45	80	-23.37	-6.08	-4137.43	-594.61	1897.76	0.20
45	81	-23.37	-6.08	-4137.43	-594.61	1897.76	0.20
45	82	-23.37	-6.08	-4137.43	-594.61	1897.76	0.20
49	1	-3.04e-03	7.90	-5431.67	772.50	0.24	-4.19e-05
49	2	-2.34e-03	6.08	-4178.21	594.23	0.19	-3.23e-05
49	11	-2.34e-03	6.08	-4178.21	594.23	0.19	-3.23e-05
49	22	-42.14	15.28	-4166.09	1040.17	2885.59	-3.47
49	37	2.17	-24.61	-4218.56	-894.12	-125.32	-8.51
49	38	-2.18	36.77	-4137.86	2082.58	125.69	8.51
49	54	-24.65	12.12	-4170.24	887.25	1688.47	-2.21
49	69	0.64	-14.09	-4204.75	-383.54	-28.81	-5.54
49	70	-0.65	26.25	-4151.67	1572.00	29.19	5.54
49	80	-2.34e-03	6.08	-4178.21	594.23	0.19	-3.23e-05
49	81	-2.34e-03	6.08	-4178.21	594.23	0.19	-3.23e-05
49	82	-2.34e-03	6.08	-4178.21	594.23	0.19	-3.23e-05
53	1	-3.04e-03	-7.90	-5431.67	-772.50	0.24	4.19e-05
53	2	-2.34e-03	-6.08	-4178.21	-594.23	0.19	3.23e-05
53	11	-2.34e-03	-6.08	-4178.21	-594.23	0.19	3.23e-05
53	23	-38.04	-15.29	-4166.08	-1041.18	2609.14	1.38
53	37	16.25	-36.77	-4137.98	-2082.59	-1133.83	-8.45
53	44	16.25	24.60	-4218.60	893.74	-1133.95	-8.45
53	47	-16.26	-36.76	-4137.83	-2082.20	1134.32	8.45
53	55	-22.25	-12.13	-4170.23	-887.81	1526.29	0.96
53	69	9.69	-26.25	-4151.74	-1572.01	-677.48	-5.51
53	76	9.69	14.08	-4204.77	383.32	-677.53	-5.51
53	79	-9.70	-26.24	-4151.65	-1571.79	677.91	5.51
53	80	-2.34e-03	-6.08	-4178.21	-594.23	0.19	3.23e-05
53	81	-2.34e-03	-6.08	-4178.21	-594.23	0.19	3.23e-05
53	82	-2.34e-03	-6.08	-4178.21	-594.23	0.19	3.23e-05
57	1	-3.04e-03	7.91	-5431.95	772.87	0.24	-4.19e-05
57	2	-2.34e-03	6.08	-4178.42	594.52	0.19	-3.23e-05
57	11	-2.34e-03	6.08	-4178.42	594.52	0.19	-3.23e-05
57	30	-38.08	15.31	-4166.26	1042.57	2612.18	-1.37
57	37	4.52	-24.61	-4218.76	-894.12	-285.72	-8.61
57	38	-4.52	36.78	-4138.08	2083.16	286.10	8.61
57	46	-17.19	36.78	-4138.10	2083.31	1199.40	-7.94
57	62	-22.27	12.15	-4170.43	888.74	1528.03	-0.96
57	69	2.18	-14.09	-4204.96	-383.43	-133.89	-5.60
57	70	-2.18	26.25	-4151.89	1572.46	134.26	5.60
57	78	-10.44	26.25	-4151.90	1572.56	729.33	-5.20

57	80	-2.34e-03	6.08	-4178.42	594.52	0.19	-3.23e-05
57	81	-2.34e-03	6.08	-4178.42	594.52	0.19	-3.23e-05
57	82	-2.34e-03	6.08	-4178.42	594.52	0.19	-3.23e-05
61	1	-3.04e-03	-7.91	-5431.95	-772.87	0.24	4.19e-05
61	2	-2.34e-03	-6.08	-4178.42	-594.52	0.19	3.23e-05
61	11	-2.34e-03	-6.08	-4178.42	-594.52	0.19	3.23e-05
61	31	-42.15	-15.26	-4166.28	-1039.46	2886.52	3.47
61	36	5.74	24.60	-4218.74	893.19	-368.00	7.98
61	39	-5.74	-36.76	-4138.10	-2082.23	368.38	-7.98
61	45	5.73	-36.78	-4138.13	-2083.31	-367.87	7.98
61	63	-24.66	-12.12	-4170.44	-886.96	1689.02	2.21
61	68	2.89	14.08	-4204.95	382.89	-182.15	5.22
61	71	-2.90	-26.24	-4151.90	-1571.93	182.53	-5.22
61	77	2.89	-26.25	-4151.91	-1572.56	-182.10	5.22
61	80	-2.34e-03	-6.08	-4178.42	-594.52	0.19	3.23e-05
61	81	-2.34e-03	-6.08	-4178.42	-594.52	0.19	3.23e-05
61	82	-2.34e-03	-6.08	-4178.42	-594.52	0.19	3.23e-05
65	1	30.38	7.90	-5378.42	772.61	-2466.91	0.26
65	2	23.37	6.08	-4137.25	594.32	-1897.62	0.20
65	11	23.37	6.08	-4137.25	594.32	-1897.62	0.20
65	21	64.76	0.27	-4145.88	316.17	-4722.15	3.32
65	32	41.26	42.82	-4090.21	2380.90	-3136.90	8.24
65	35	5.48	-30.66	-4184.28	-1192.27	-658.35	-7.84
65	53	47.58	2.19	-4142.93	408.07	-3550.56	2.22
65	64	34.18	30.36	-4106.14	1774.71	-2647.32	5.36
65	67	12.56	-18.20	-4168.36	-586.07	-1147.93	-4.96
65	80	23.37	6.08	-4137.25	594.32	-1897.62	0.20
65	81	23.37	6.08	-4137.25	594.32	-1897.62	0.20
65	82	23.37	6.08	-4137.25	594.32	-1897.62	0.20
69	1	30.38	-7.90	-5378.42	-772.61	-2466.91	-0.26
69	2	23.37	-6.08	-4137.25	-594.32	-1897.62	-0.20
69	11	23.37	-6.08	-4137.25	-594.32	-1897.62	-0.20
69	20	60.60	3.04	-4145.64	-149.71	-4440.67	-1.75
69	33	40.01	-41.83	-4090.17	-2330.96	-3052.45	-7.77
69	34	6.73	29.67	-4184.33	1142.33	-742.80	7.37
69	35	18.78	-42.82	-4091.14	-2380.99	-1606.14	-8.22
69	52	45.14	-0.27	-4142.80	-311.61	-3385.44	-1.24
69	65	33.45	-29.78	-4106.11	-1745.77	-2597.78	-5.07
69	66	13.29	17.62	-4168.38	557.13	-1197.47	4.67
69	67	21.11	-30.36	-4106.69	-1774.76	-1757.13	-5.35
69	80	23.37	-6.08	-4137.25	-594.32	-1897.62	-0.20
69	81	23.37	-6.08	-4137.25	-594.32	-1897.62	-0.20
69	82	23.37	-6.08	-4137.25	-594.32	-1897.62	-0.20
73	1	30.38	7.91	-5378.70	772.99	-2466.91	0.26
73	2	23.37	6.08	-4137.46	594.61	-1897.63	0.20
73	11	23.37	6.08	-4137.46	594.61	-1897.63	0.20
73	29	60.64	-3.03	-4145.72	150.56	-4443.75	1.75
73	36	40.02	41.84	-4090.33	2331.61	-3053.41	7.77
73	38	18.77	42.82	-4091.38	2381.30	-1605.31	8.22
73	39	6.72	-29.67	-4184.59	-1142.40	-741.85	-7.37
73	61	45.17	0.28	-4142.94	312.22	-3387.21	1.24
73	68	33.45	29.79	-4106.30	1746.27	-2598.32	5.07
73	70	21.10	30.36	-4106.92	1775.07	-1756.63	5.35
73	71	13.29	-17.62	-4168.62	-557.06	-1196.94	-4.67
73	80	23.37	6.08	-4137.46	594.61	-1897.63	0.20
73	81	23.37	6.08	-4137.46	594.61	-1897.63	0.20
73	82	23.37	6.08	-4137.46	594.61	-1897.63	0.20
77	1	30.38	-7.91	-5378.70	-772.99	-2466.91	-0.26
77	2	23.37	-6.08	-4137.46	-594.61	-1897.63	-0.20
77	11	23.37	-6.08	-4137.46	-594.61	-1897.63	-0.20
77	28	64.76	-0.26	-4146.13	-315.90	-4722.17	-3.33
77	37	41.26	-42.82	-4090.44	-2381.21	-3136.96	-8.24
77	38	5.48	30.66	-4184.48	1192.00	-658.29	7.84
77	60	47.58	-2.19	-4143.16	-408.03	-3550.58	-2.22
77	69	34.18	-30.36	-4106.36	-1775.02	-2647.36	-5.36
77	70	12.56	18.19	-4168.56	585.81	-1147.90	4.96
77	80	23.37	-6.08	-4137.46	-594.61	-1897.63	-0.20
77	81	23.37	-6.08	-4137.46	-594.61	-1897.63	-0.20
77	82	23.37	-6.08	-4137.46	-594.61	-1897.63	-0.20
81	1	104.29	7.99	-5101.35	779.10	-8497.30	1.13
81	2	80.22	6.15	-3924.12	599.30	-6536.38	0.87
81	11	80.22	6.15	-3924.12	599.30	-6536.38	0.87
81	21	119.25	2.27	-3941.08	414.46	-9169.58	4.30
81	32	96.74	46.55	-3876.43	2567.55	-7665.58	-4.49
81	33	86.10	-33.04	-3977.05	-1308.73	-6915.32	7.13
81	34	74.34	45.33	-3871.18	2507.34	-6157.45	-5.39

81	53	103.05	3.60	-3934.46	477.89	-8077.32	3.01
81	64	90.17	32.91	-3892.28	1902.90	-7217.06	-2.49
81	65	83.30	-19.88	-3959.01	-668.16	-6733.14	4.75
81	66	77.14	32.17	-3889.22	1866.77	-6339.63	-3.00
81	80	80.22	6.15	-3924.12	599.30	-6536.38	0.87
81	81	80.22	6.15	-3924.12	599.30	-6536.38	0.87
81	82	80.22	6.15	-3924.12	599.30	-6536.38	0.87
85	1	104.29	-7.99	-5101.35	-779.10	-8497.30	-1.13
85	2	80.22	-6.15	-3924.12	-599.30	-6536.38	-0.87
85	11	80.22	-6.15	-3924.12	-599.30	-6536.38	-0.87
85	20	115.05	1.81	-3938.09	-213.67	-8884.72	-1.59
85	35	75.60	-46.55	-3872.10	-2567.58	-6242.96	4.57
85	36	84.14	33.18	-3976.71	1315.48	-6783.29	-7.17
85	39	76.30	-45.47	-3871.52	-2514.09	-6289.47	5.43
85	52	100.59	-1.15	-3932.76	-357.39	-7910.28	-1.45
85	67	77.88	-32.91	-3889.74	-1902.92	-6389.78	2.53
85	68	81.97	19.97	-3958.76	672.56	-6643.47	-4.76
85	71	78.47	-32.27	-3889.47	-1871.17	-6429.29	3.02
85	80	80.22	-6.15	-3924.12	-599.30	-6536.38	-0.87
85	81	80.22	-6.15	-3924.12	-599.30	-6536.38	-0.87
85	82	80.22	-6.15	-3924.12	-599.30	-6536.38	-0.87
89	1	104.29	7.99	-5101.62	779.47	-8497.31	1.13
89	2	80.22	6.15	-3924.33	599.59	-6536.39	0.87
89	11	80.22	6.15	-3924.33	599.59	-6536.39	0.87
89	29	115.05	-1.80	-3938.03	214.56	-8884.56	1.59
89	33	84.14	-33.18	-3976.85	-1315.51	-6782.97	7.17
89	34	76.31	45.48	-3871.81	2514.69	-6289.82	-5.42
89	38	75.60	46.56	-3872.39	2567.97	-6243.05	-4.57
89	61	100.59	1.16	-3932.82	358.00	-7910.19	1.45
89	65	81.97	-19.97	-3958.93	-672.47	-6643.31	4.76
89	66	78.47	32.27	-3889.72	1871.65	-6429.48	-3.02
89	70	77.88	32.91	-3890.00	1903.29	-6389.82	-2.53
89	80	80.22	6.15	-3924.33	599.59	-6536.39	0.87
89	81	80.22	6.15	-3924.33	599.59	-6536.39	0.87
89	82	80.22	6.15	-3924.33	599.59	-6536.39	0.87
93	1	104.29	-7.99	-5101.62	-779.47	-8497.31	-1.13
93	2	80.22	-6.15	-3924.33	-599.59	-6536.39	-0.87
93	11	80.22	-6.15	-3924.33	-599.59	-6536.39	-0.87
93	28	119.24	-2.27	-3941.26	-414.08	-9168.56	-4.31
93	36	86.10	33.04	-3977.25	1308.93	-6914.92	-7.12
93	37	96.74	-46.56	-3876.64	-2567.94	-7665.31	4.49
93	39	74.35	-45.34	-3871.40	-2508.11	-6157.86	5.38
93	60	103.05	-3.60	-3934.66	-477.81	-8076.74	-3.01
93	68	83.30	19.88	-3959.21	668.16	-6732.93	-4.74
93	69	90.17	-32.91	-3892.49	-1903.27	-7216.91	2.48
93	71	77.14	-32.18	-3889.44	-1867.34	-6339.86	3.00
93	80	80.22	-6.15	-3924.33	-599.59	-6536.39	-0.87
93	81	80.22	-6.15	-3924.33	-599.59	-6536.39	-0.87
93	82	80.22	-6.15	-3924.33	-599.59	-6536.39	-0.87
97	1	143.07	8.82	-4309.20	841.17	-1.154e+04	2.24
97	2	110.06	6.78	-3314.77	647.05	-8877.02	1.72
97	11	110.06	6.78	-3314.77	647.05	-8877.02	1.72
97	21	143.06	4.06	-3356.15	519.19	-1.102e+04	5.42
97	32	123.81	47.62	-3274.97	2635.96	-9779.50	7.06
97	33	115.26	-32.86	-3375.28	-1282.84	-9199.94	-2.28
97	34	104.85	46.42	-3254.27	2576.94	-8554.10	5.72
97	53	129.36	5.06	-3339.17	566.30	-1.013e+04	3.98
97	64	118.33	33.80	-3287.54	1962.64	-9419.89	5.05
97	65	112.82	-19.50	-3354.03	-632.48	-9047.10	-0.84
97	66	107.29	33.06	-3275.51	1926.58	-8706.95	4.28
97	80	110.06	6.78	-3314.77	647.05	-8877.02	1.72
97	81	110.06	6.78	-3314.77	647.05	-8877.02	1.72
97	82	110.06	6.78	-3314.77	647.05	-8877.02	1.72
101	1	143.07	-8.82	-4309.20	-841.17	-1.154e+04	-2.24
101	2	110.06	-6.78	-3314.77	-647.05	-8877.02	-1.72
101	11	110.06	-6.78	-3314.77	-647.05	-8877.02	-1.72
101	20	139.37	-0.07	-3351.54	-322.72	-1.077e+04	-1.49
101	32	114.15	34.06	-3373.88	1341.78	-9127.05	3.46
101	35	105.96	-47.62	-3255.66	-2635.89	-8627.00	-6.90
101	52	127.20	-2.62	-3336.53	-446.21	-9985.86	-1.72
101	64	112.17	20.23	-3353.23	668.51	-9004.36	1.52
101	67	107.94	-33.80	-3276.31	-1962.61	-8749.69	-4.96
101	80	110.06	-6.78	-3314.77	-647.05	-8877.02	-1.72
101	81	110.06	-6.78	-3314.77	-647.05	-8877.02	-1.72
101	82	110.06	-6.78	-3314.77	-647.05	-8877.02	-1.72
105	1	143.07	8.82	-4309.48	841.52	-1.154e+04	2.23

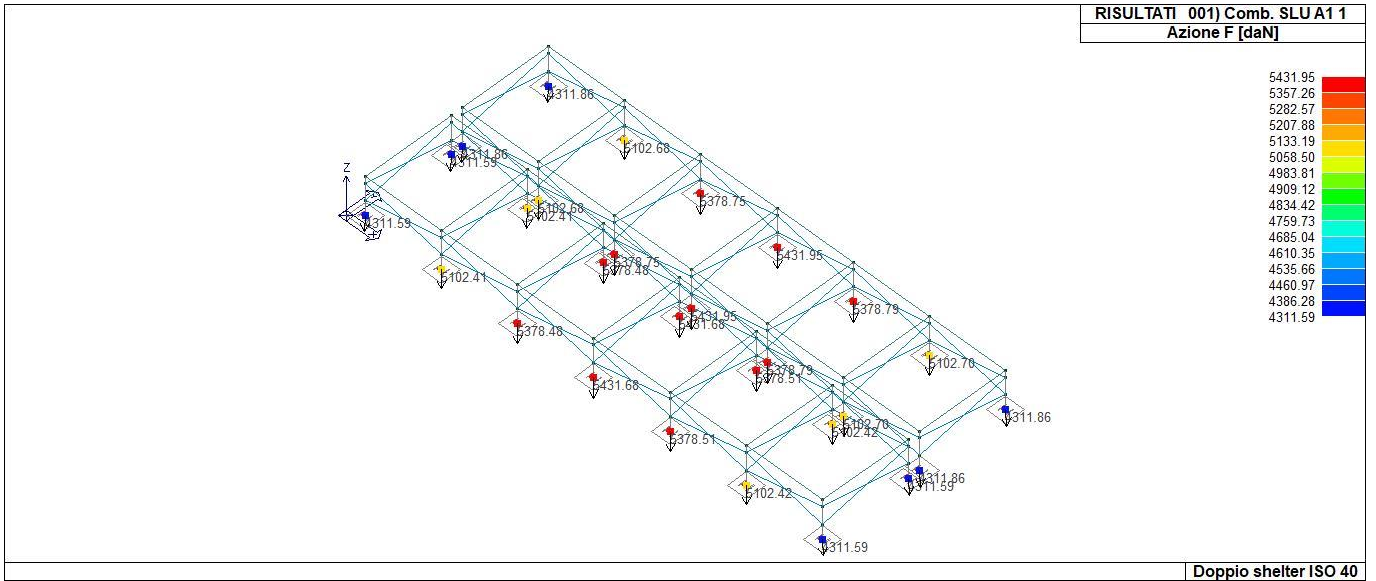
105	2	110.06	6.78	-3314.98	647.33	-8877.06	1.72
105	11	110.06	6.78	-3314.98	647.33	-8877.06	1.72
105	29	139.35	0.06	-3351.66	322.84	-1.077e+04	1.49
105	37	114.15	-34.05	-3374.06	-1341.46	-9126.48	-3.46
105	38	105.96	47.62	-3255.91	2636.11	-8627.65	6.90
105	61	127.19	2.62	-3336.69	446.40	-9984.78	1.71
105	69	112.16	-20.23	-3353.42	-668.25	-9004.06	-1.52
105	70	107.95	33.80	-3276.54	1962.91	-8750.07	4.96
105	80	110.06	6.78	-3314.98	647.33	-8877.06	1.72
105	81	110.06	6.78	-3314.98	647.33	-8877.06	1.72
105	82	110.06	6.78	-3314.98	647.33	-8877.06	1.72
109	1	143.07	-8.82	-4309.48	-841.52	-1.154e+04	-2.23
109	2	110.06	-6.78	-3314.98	-647.33	-8877.06	-1.72
109	11	110.06	-6.78	-3314.98	-647.33	-8877.06	-1.72
109	28	143.05	-4.06	-3356.43	-518.98	-1.101e+04	-5.43
109	36	115.26	32.85	-3375.49	1282.62	-9199.50	2.28
109	37	123.81	-47.62	-3275.22	-2636.19	-9779.17	-7.06
109	39	104.85	-46.42	-3254.47	-2577.27	-8554.62	-5.72
109	60	129.35	-5.06	-3339.42	-566.35	-1.013e+04	-3.99
109	68	112.82	19.50	-3354.24	632.27	-9046.88	0.84
109	69	118.33	-33.80	-3287.78	-1962.94	-9419.70	-5.05
109	71	107.30	-33.07	-3275.72	-1926.92	-8707.24	-4.27
109	80	110.06	-6.78	-3314.98	-647.33	-8877.06	-1.72
109	81	110.06	-6.78	-3314.98	-647.33	-8877.06	-1.72
109	82	110.06	-6.78	-3314.98	-647.33	-8877.06	-1.72

RZ	Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
		-143.07	-47.62	-5431.95	-2636.19	-1.154e+04	-8.61
		143.07	47.62	-3254.27	2636.11	1.154e+04	8.61

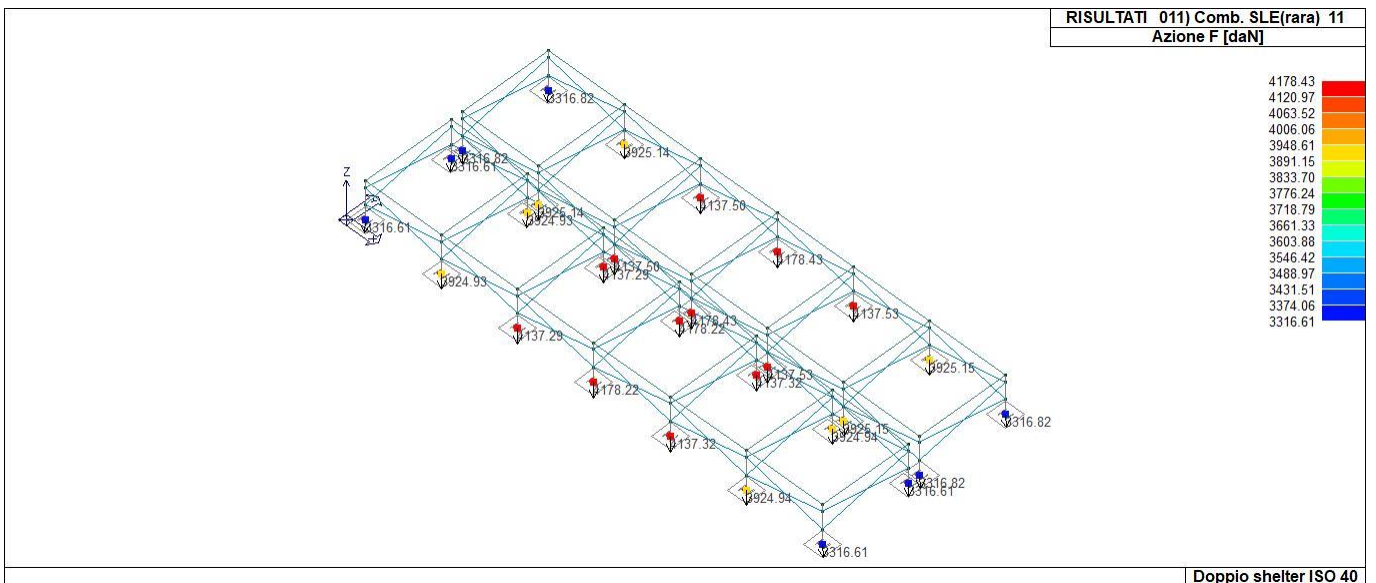
RZ	Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione
			daN	daN	daN	daN cm	daN cm	daN cm
	1	1	-143.07	8.82	-4309.20	841.17	1.154e+04	-2.24
		40	-104.84	46.42	-3254.28	2576.77	8553.96	-5.72
		41	-96.29	-34.05	-3354.58	-1341.68	7974.41	3.61
		42	-123.81	47.62	-3274.97	2635.78	9779.39	-7.05
		16	-77.05	9.49	-3273.42	774.68	6738.86	1.98
		1	-143.07	8.82	-4309.20	841.17	1.154e+04	-2.24
	5	1	-143.07	-8.82	-4309.20	-841.17	1.154e+04	2.24
		41	-105.95	-47.62	-3255.66	-2635.71	8626.88	6.90
		41	-105.95	-47.62	-3255.66	-2635.71	8626.88	6.90
		42	-114.15	34.05	-3373.88	1341.61	9126.92	-3.46
		17	-80.74	-13.49	-3278.03	-971.14	6981.70	1.95
		1	-143.07	-8.82	-4309.20	-841.17	1.154e+04	2.24
	9	1	-143.07	8.82	-4309.48	841.52	1.154e+04	-2.23
		44	-105.96	47.62	-3255.90	2635.99	8627.16	-6.89
		47	-114.15	-34.05	-3374.07	-1341.34	9126.72	3.45
		44	-105.96	47.62	-3255.90	2635.99	8627.16	-6.89
		24	-80.75	13.51	-3278.31	971.93	6982.19	-1.91
		1	-143.07	8.82	-4309.48	841.52	1.154e+04	-2.23
	13	1	-143.07	-8.82	-4309.48	-841.52	1.154e+04	2.23
		45	-104.85	-46.42	-3254.49	-2576.98	8554.49	5.73
		47	-123.81	-47.62	-3275.20	-2636.07	9779.32	7.04
		44	-96.29	34.05	-3354.77	1341.42	7974.57	-3.61
		25	-77.06	-9.50	-3273.59	-775.25	6739.82	-1.94
		1	-143.07	-8.82	-4309.48	-841.52	1.154e+04	2.23
	17	1	-104.28	7.99	-5101.34	779.10	8497.04	-1.13
		40	-74.34	45.33	-3871.17	2507.27	6157.22	5.38
		41	-63.70	-34.26	-3971.79	-1368.87	5406.96	-6.23
		42	-96.74	46.55	-3876.42	2567.48	7665.40	4.49
		16	-41.19	10.02	-3907.16	784.13	3902.96	2.56
		19	-119.25	2.27	-3941.05	414.48	9169.40	-4.30
	21	1	-104.28	-7.99	-5101.34	-779.10	8497.04	1.13
		45	-76.31	-45.47	-3871.58	-2513.85	6289.74	-5.43
		41	-75.60	-46.55	-3872.08	-2567.52	6242.75	-4.57
		42	-84.84	34.26	-3976.13	1368.91	6829.61	6.31
		17	-45.40	-14.10	-3910.16	-984.96	4187.91	0.16
		18	-115.04	1.81	-3938.05	-213.65	8884.45	1.58
	25	1	-104.29	7.99	-5101.61	779.47	8497.05	-1.13
		40	-76.31	45.48	-3871.78	2514.56	6289.66	5.42
		47	-84.84	-34.25	-3976.30	-1368.47	6829.50	-6.31
		44	-75.60	46.55	-3872.33	2567.65	6242.88	4.56
		24	-45.39	14.07	-3910.50	983.23	4187.85	-0.16

	27	-115.05	-1.77	-3938.13	215.95	8884.53	-1.58
29	1	-104.29	-7.99	-5101.61	-779.47	8497.05	1.13
	45	-74.34	-45.35	-3871.41	-2508.56	6157.56	-5.38
	47	-96.74	-46.55	-3876.62	-2567.62	7665.42	-4.48
	44	-63.70	34.25	-3972.01	1368.43	5406.96	6.23
	25	-41.20	-10.06	-3907.42	-786.27	3903.40	-2.57
	26	-119.24	-2.24	-3941.21	-412.92	9168.98	4.31
33	1	-30.38	7.90	-5378.39	772.62	2467.08	-0.26
	42	-41.26	42.82	-4090.19	2380.78	3137.06	-8.24
	41	-5.49	-30.66	-4184.26	-1192.14	658.45	7.84
	42	-41.26	42.82	-4090.19	2380.78	3137.06	-8.24
	16	18.01	11.90	-4128.58	872.67	-926.79	2.92
	19	-64.76	0.26	-4145.87	315.97	4722.30	-3.32
37	1	-30.38	-7.90	-5378.39	-772.62	2467.08	0.26
	43	-40.01	-41.83	-4090.12	-2330.89	3052.60	7.77
	41	-18.78	-42.82	-4091.09	-2380.87	1606.29	8.22
	42	-27.96	30.66	-4183.35	1192.23	2189.22	-7.82
	17	13.86	-15.20	-4128.84	-1038.94	-645.24	-1.35
	18	-60.60	3.04	-4145.61	-149.70	4440.75	1.75
41	1	-30.38	7.91	-5378.66	772.99	2467.08	-0.26
	46	-40.02	41.83	-4090.30	2331.18	3053.12	-7.77
	47	-27.97	-30.67	-4183.53	-1192.51	2189.40	7.82
	44	-18.78	42.83	-4091.34	2381.72	1606.12	-8.22
	24	13.87	15.22	-4129.15	1040.10	-646.50	1.36
	27	-60.62	-3.05	-4145.72	149.11	4442.01	-1.76
45	1	-30.38	-7.91	-5378.66	-772.99	2467.08	0.26
	47	-41.26	-42.83	-4090.42	-2381.63	3137.40	8.24
	47	-41.26	-42.83	-4090.42	-2381.63	3137.40	8.24
	44	-5.48	30.66	-4184.45	1192.41	658.11	-7.84
	25	18.02	-11.88	-4128.78	-871.95	-927.56	-2.93
	26	-64.77	-0.28	-4146.09	-317.27	4723.08	3.33
49	1	-3.04e-03	7.90	-5431.67	772.50	0.24	-4.19e-05
	38	-2.18	36.77	-4137.86	2082.58	125.69	8.51
	37	2.17	-24.61	-4218.56	-894.12	-125.32	-8.51
	38	-2.18	36.77	-4137.86	2082.58	125.69	8.51
	21	42.13	-3.12	-4190.33	148.29	-2885.22	3.47
	22	-42.14	15.28	-4166.09	1040.17	2885.59	-3.47
53	1	-3.04e-03	-7.90	-5431.67	-772.50	0.24	4.19e-05
	47	-16.26	-36.76	-4137.83	-2082.20	1134.32	8.45
	37	16.25	-36.77	-4137.98	-2082.59	-1133.83	-8.45
	38	-16.26	24.61	-4218.44	894.12	1134.21	8.45
	20	38.04	3.14	-4190.35	-147.28	-2608.77	-1.38
	23	-38.04	-15.29	-4166.08	-1041.18	2609.14	1.38
57	1	-3.04e-03	7.91	-5431.95	772.87	0.24	-4.19e-05
	38	-4.52	36.78	-4138.08	2083.16	286.10	8.61
	45	17.19	-24.61	-4218.75	-894.27	-1199.03	7.94
	46	-17.19	36.78	-4138.10	2083.31	1199.40	-7.94
	29	38.08	-3.15	-4190.59	146.47	-2611.81	1.37
	30	-38.08	15.31	-4166.26	1042.57	2612.18	-1.37
61	1	-3.04e-03	-7.91	-5431.95	-772.87	0.24	4.19e-05
	39	-5.74	-36.76	-4138.10	-2082.23	368.38	-7.98
	45	5.73	-36.78	-4138.13	-2083.31	-367.87	7.98
	46	-5.74	24.61	-4218.71	894.27	368.24	-7.98
	28	42.14	3.10	-4190.56	-149.57	-2886.15	-3.47
	31	-42.15	-15.26	-4166.28	-1039.46	2886.52	3.47
65	1	30.38	7.90	-5378.42	772.61	-2466.91	0.26
	32	41.26	42.82	-4090.21	2380.90	-3136.90	8.24
	35	5.48	-30.66	-4184.28	-1192.27	-658.35	-7.84
	32	41.26	42.82	-4090.21	2380.90	-3136.90	8.24
	21	64.76	0.27	-4145.88	316.17	-4722.15	3.32
	22	-18.02	11.90	-4128.61	872.47	926.90	-2.92
69	1	30.38	-7.90	-5378.42	-772.61	-2466.91	-0.26
	33	40.01	-41.83	-4090.17	-2330.96	-3052.45	-7.77
	35	18.78	-42.82	-4091.14	-2380.99	-1606.14	-8.22
	32	27.96	30.66	-4183.36	1192.36	-2189.10	7.82
	20	60.60	3.04	-4145.64	-149.71	-4440.67	-1.75
	23	-13.86	-15.20	-4128.85	-1038.92	645.42	1.35
73	1	30.38	7.91	-5378.70	772.99	-2466.91	0.26
	36	40.02	41.84	-4090.33	2331.61	-3053.41	7.77
	37	27.97	-30.66	-4183.54	-1192.09	-2189.94	-7.82
	38	18.77	42.82	-4091.38	2381.30	-1605.31	8.22
	29	60.64	-3.03	-4145.72	150.56	-4443.75	1.75
	30	-13.90	15.19	-4129.19	1038.65	648.50	-1.35
77	1	30.38	-7.91	-5378.70	-772.99	-2466.91	-0.26
	37	41.26	-42.82	-4090.44	-2381.21	-3136.96	-8.24
	37	41.26	-42.82	-4090.44	-2381.21	-3136.96	-8.24

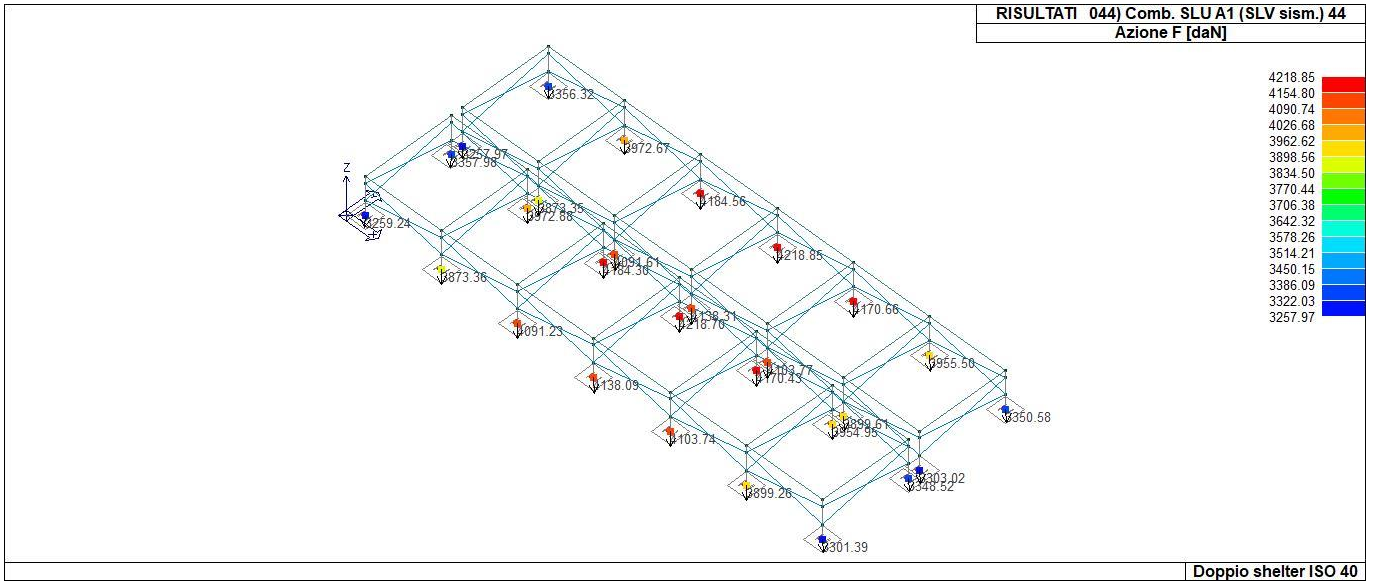
	38	5.48	30.66	-4184.48	1192.00	-658.29	7.84
	28	64.76	-0.26	-4146.13	-315.90	-4722.17	-3.33
	31	-18.02	-11.91	-4128.79	-873.31	926.92	2.93
81	1	104.29	7.99	-5101.35	779.10	-8497.30	1.13
	34	74.34	45.33	-3871.18	2507.34	-6157.45	-5.39
	35	63.70	-34.26	-3971.80	-1368.94	-5407.18	6.24
	32	96.74	46.55	-3876.43	2567.55	-7665.58	-4.49
	21	119.25	2.27	-3941.08	414.46	-9169.58	4.30
	22	41.19	10.02	-3907.15	784.15	-3903.18	-2.56
85	1	104.29	-7.99	-5101.35	-779.10	-8497.30	-1.13
	39	76.30	-45.47	-3871.52	-2514.09	-6289.47	5.43
	35	75.60	-46.55	-3872.10	-2567.58	-6242.96	4.57
	32	84.84	34.26	-3976.13	1368.97	-6829.81	-6.31
	20	115.05	1.81	-3938.09	-213.67	-8884.72	-1.59
	23	45.40	-14.10	-3910.14	-984.93	-4188.04	-0.16
89	1	104.29	7.99	-5101.62	779.47	-8497.31	1.13
	34	76.31	45.48	-3871.81	2514.69	-6289.82	-5.42
	37	84.84	-34.26	-3976.27	-1368.79	-6829.73	6.31
	38	75.60	46.56	-3872.39	2567.97	-6243.05	-4.57
	29	115.05	-1.80	-3938.03	214.56	-8884.56	1.59
	30	45.40	14.10	-3910.62	984.62	-4188.22	0.15
93	1	104.29	-7.99	-5101.62	-779.47	-8497.31	-1.13
	39	74.35	-45.34	-3871.40	-2508.11	-6157.86	5.38
	37	96.74	-46.56	-3876.64	-2567.94	-7665.31	4.49
	38	63.70	34.26	-3972.01	1368.75	-5407.47	-6.23
	28	119.24	-2.27	-3941.26	-414.08	-9168.56	-4.31
	31	41.21	-10.03	-3907.39	-785.10	-3904.22	2.56
97	1	143.07	8.82	-4309.20	841.17	-1.154e+04	2.24
	34	104.85	46.42	-3254.27	2576.94	-8554.10	5.72
	35	96.30	-34.06	-3354.57	-1341.86	-7974.54	-3.62
	32	123.81	47.62	-3274.97	2635.96	-9779.50	7.06
	1	143.07	8.82	-4309.20	841.17	-1.154e+04	2.24
	22	77.05	9.50	-3273.39	774.91	-6738.98	-1.98
101	1	143.07	-8.82	-4309.20	-841.17	-1.154e+04	-2.24
	35	105.96	-47.62	-3255.66	-2635.89	-8627.00	-6.90
	35	105.96	-47.62	-3255.66	-2635.89	-8627.00	-6.90
	32	114.15	34.06	-3373.88	1341.78	-9127.05	3.46
	1	143.07	-8.82	-4309.20	-841.17	-1.154e+04	-2.24
105	23	80.74	-13.50	-3278.01	-971.38	-6981.75	-1.95
	1	143.07	8.82	-4309.48	841.52	-1.154e+04	2.23
	38	105.96	47.62	-3255.91	2636.11	-8627.65	6.90
	37	114.15	-34.05	-3374.06	-1341.46	-9126.48	-3.46
	38	105.96	47.62	-3255.91	2636.11	-8627.65	6.90
	1	143.07	8.82	-4309.48	841.52	-1.154e+04	2.23
	30	80.76	13.50	-3278.31	971.81	-6983.74	1.95
109	1	143.07	-8.82	-4309.48	-841.52	-1.154e+04	-2.23
	39	104.85	-46.42	-3254.47	-2577.27	-8554.62	-5.72
	37	123.81	-47.62	-3275.22	-2636.19	-9779.17	-7.06
	38	96.30	34.05	-3354.75	1341.53	-7974.95	3.62
	1	143.07	-8.82	-4309.48	-841.52	-1.154e+04	-2.23
	31	77.06	-9.51	-3273.53	-775.67	-6740.35	1.99



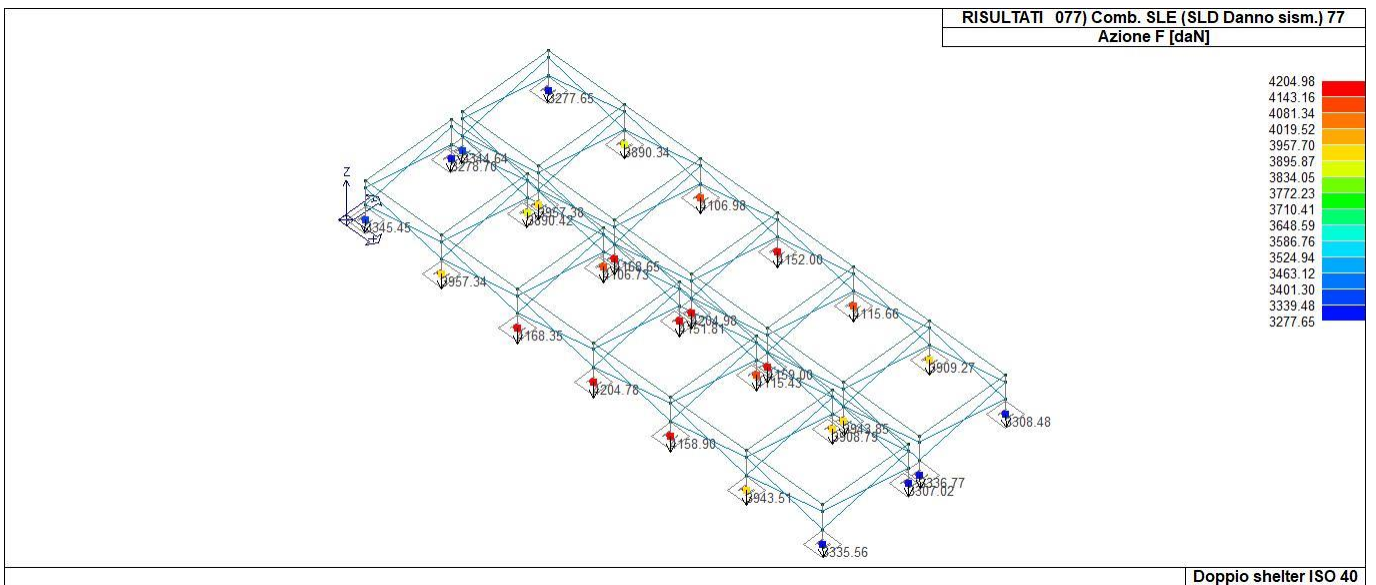
42_RIS_REAZIONI_001_Comb SLU A1 1



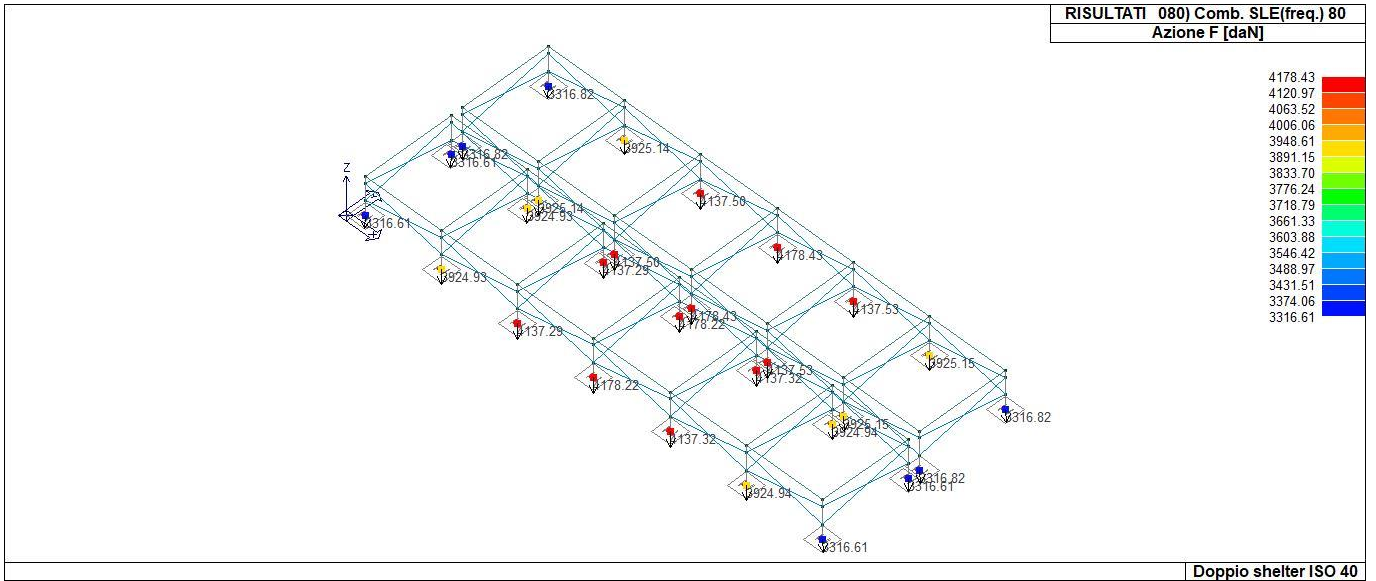
42_RIS_REAZIONI_011_Comb SLErara 11



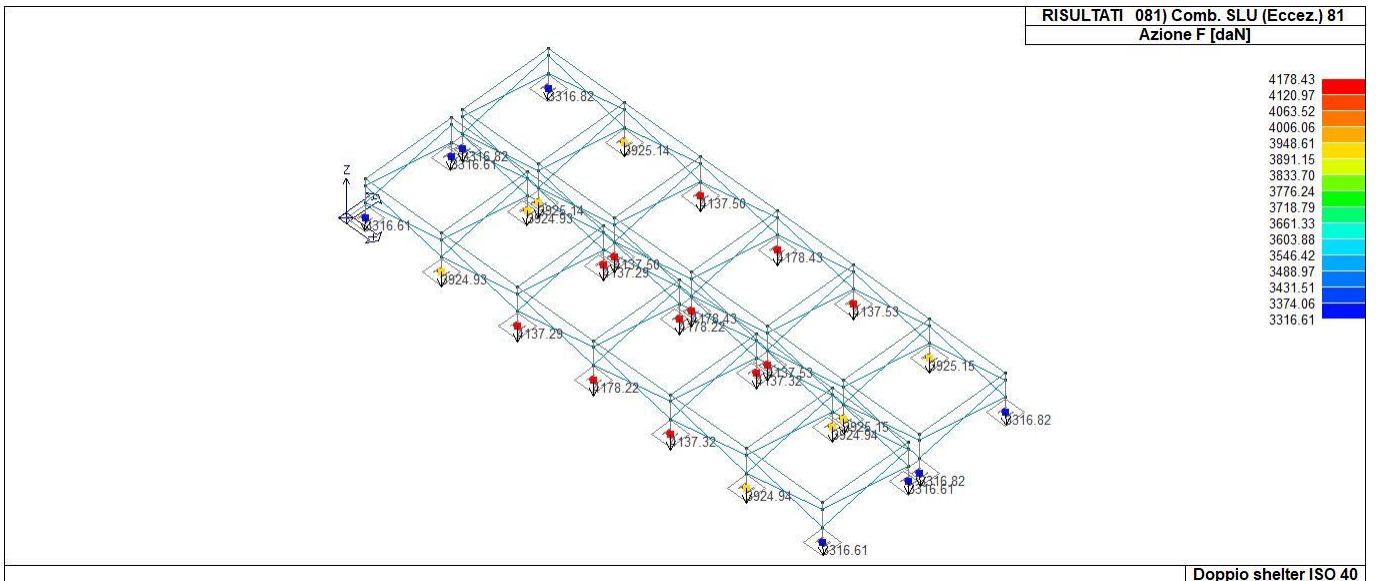
42_RIS_REAZIONI_044_Comb SLU A1 SLV sism 44



42_RIS_REAZIONI_077_Comb SLE SLD Danno sism 77



42_RIS_REAZIONI_080_Comb SLEfreq 80



42_RIS_REAZIONI_081_Comb SLU Eccez 81

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (esprese nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

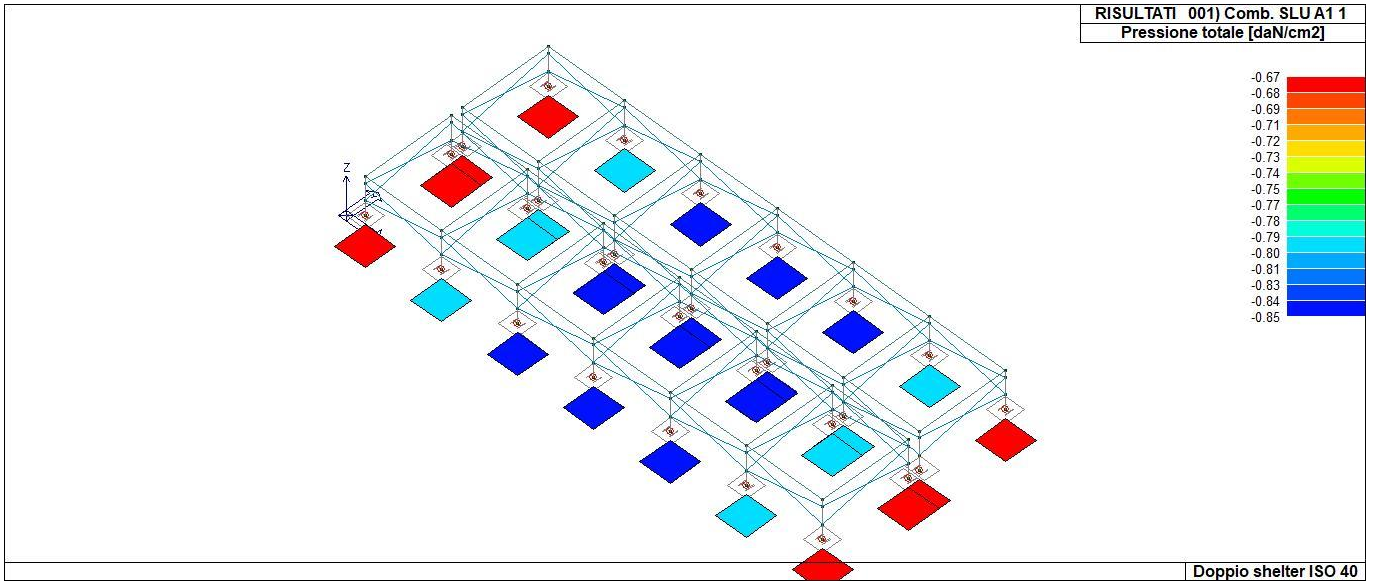
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

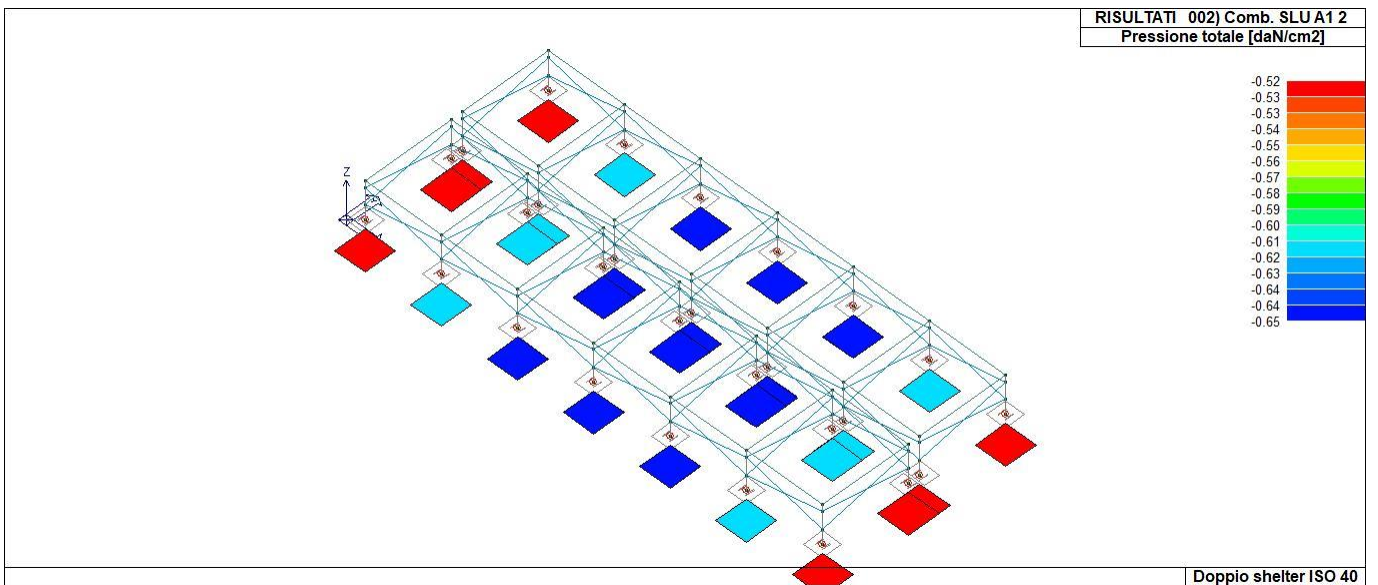
Nodo	Tipo	Area	Wink V	Wink O	Cmb	Pt	Pt	Pt	Pt
		m2	daN/cm3	daN/cm3		daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.68	-0.67	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					41	-0.54	-0.54	-0.51	-0.50
					73	-0.53	-0.54	-0.51	-0.51
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
5	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.67	-0.68	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					44	-0.51	-0.51	-0.54	-0.54
					76	-0.51	-0.51	-0.54	-0.53
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
9	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.68	-0.67	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					41	-0.54	-0.54	-0.51	-0.51
					73	-0.53	-0.54	-0.51	-0.51
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
13	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.67	-0.68	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					44	-0.50	-0.51	-0.54	-0.54
					76	-0.51	-0.51	-0.54	-0.53
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
17	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.80	-0.80	-0.80	-0.79
					11	-0.61	-0.62	-0.61	-0.61
					41	-0.63	-0.64	-0.61	-0.60
					73	-0.63	-0.63	-0.61	-0.60
					80	-0.61	-0.62	-0.61	-0.61
					81	-0.61	-0.62	-0.61	-0.61
					82	-0.61	-0.62	-0.61	-0.61
21	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.79	-0.80	-0.80	-0.80
					11	-0.61	-0.61	-0.62	-0.61
					44	-0.60	-0.61	-0.64	-0.63
					76	-0.60	-0.61	-0.63	-0.63
					80	-0.61	-0.61	-0.62	-0.61
					81	-0.61	-0.61	-0.62	-0.61
					82	-0.61	-0.61	-0.62	-0.61
25	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.80	-0.80	-0.80	-0.79
					11	-0.61	-0.62	-0.61	-0.61
					41	-0.63	-0.64	-0.61	-0.60
					73	-0.63	-0.63	-0.61	-0.60
					80	-0.61	-0.62	-0.61	-0.61
					81	-0.61	-0.62	-0.61	-0.61
					82	-0.61	-0.62	-0.61	-0.61
29	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.79	-0.80	-0.80	-0.80
					11	-0.61	-0.61	-0.62	-0.61
					44	-0.60	-0.61	-0.64	-0.63
					76	-0.60	-0.61	-0.63	-0.63
					80	-0.61	-0.61	-0.62	-0.61
					81	-0.61	-0.61	-0.62	-0.61
					82	-0.61	-0.61	-0.62	-0.61
33	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.84	-0.84	-0.84	-0.84
					11	-0.65	-0.65	-0.65	-0.64
					41	-0.67	-0.67	-0.64	-0.64
					73	-0.66	-0.66	-0.64	-0.64
					80	-0.65	-0.65	-0.65	-0.64
					81	-0.65	-0.65	-0.65	-0.64
					82	-0.65	-0.65	-0.65	-0.64
37	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.84	-0.84	-0.84	-0.84
					11	-0.64	-0.65	-0.65	-0.65
					44	-0.64	-0.64	-0.67	-0.67
					76	-0.64	-0.64	-0.66	-0.66
					80	-0.64	-0.65	-0.65	-0.65
					81	-0.64	-0.65	-0.65	-0.65

Nodo	Tipo	Area	Wink V	Wink O	Cmb	Pt	Pt	Pt	Pt
41	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	82	-0.64	-0.65	-0.65	-0.65
					1	-0.84	-0.84	-0.84	-0.84
					11	-0.65	-0.65	-0.65	-0.64
					41	-0.67	-0.67	-0.64	-0.64
					73	-0.66	-0.66	-0.64	-0.64
					80	-0.65	-0.65	-0.65	-0.64
45	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	81	-0.65	-0.65	-0.65	-0.64
					82	-0.65	-0.65	-0.65	-0.64
					1	-0.84	-0.84	-0.84	-0.84
					11	-0.64	-0.65	-0.65	-0.65
					44	-0.64	-0.64	-0.67	-0.67
					76	-0.64	-0.64	-0.66	-0.66
49	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	80	-0.64	-0.65	-0.65	-0.65
					81	-0.64	-0.65	-0.65	-0.65
					82	-0.64	-0.65	-0.65	-0.65
					1	-0.85	-0.85	-0.85	-0.85
					11	-0.65	-0.65	-0.65	-0.65
					35	-0.67	-0.67	-0.64	-0.65
53	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	67	-0.67	-0.66	-0.65	-0.65
					80	-0.65	-0.65	-0.65	-0.65
					81	-0.65	-0.65	-0.65	-0.65
					82	-0.65	-0.65	-0.65	-0.65
					1	-0.85	-0.85	-0.85	-0.85
					11	-0.65	-0.65	-0.65	-0.65
57	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	40	-0.64	-0.65	-0.67	-0.67
					72	-0.65	-0.65	-0.67	-0.66
					80	-0.65	-0.65	-0.65	-0.65
					81	-0.65	-0.65	-0.65	-0.65
					82	-0.65	-0.65	-0.65	-0.65
					1	-0.85	-0.85	-0.85	-0.85
61	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	11	-0.65	-0.65	-0.65	-0.65
					45	-0.67	-0.67	-0.65	-0.64
					77	-0.66	-0.67	-0.65	-0.65
					80	-0.65	-0.65	-0.65	-0.65
					81	-0.65	-0.65	-0.65	-0.65
					82	-0.65	-0.65	-0.65	-0.65
65	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.85	-0.85	-0.85	-0.85
					11	-0.65	-0.65	-0.65	-0.65
					44	-0.64	-0.65	-0.67	-0.67
					76	-0.65	-0.65	-0.67	-0.66
					80	-0.65	-0.65	-0.65	-0.65
					81	-0.65	-0.65	-0.65	-0.65
69	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	82	-0.65	-0.65	-0.65	-0.65
					1	-0.84	-0.84	-0.84	-0.84
					11	-0.65	-0.64	-0.65	-0.65
					38	-0.64	-0.64	-0.67	-0.67
					70	-0.64	-0.64	-0.66	-0.66
					80	-0.65	-0.64	-0.65	-0.65
73	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	81	-0.65	-0.64	-0.65	-0.65
					82	-0.65	-0.64	-0.65	-0.65
					1	-0.84	-0.84	-0.84	-0.84
					11	-0.65	-0.65	-0.64	-0.65
					35	-0.67	-0.67	-0.64	-0.64
					67	-0.66	-0.66	-0.64	-0.64
77	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	80	-0.65	-0.65	-0.64	-0.65
					81	-0.65	-0.65	-0.64	-0.65
					82	-0.65	-0.65	-0.64	-0.65
					1	-0.84	-0.84	-0.84	-0.84
					11	-0.65	-0.64	-0.65	-0.65
					38	-0.64	-0.64	-0.67	-0.67
81	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	70	-0.64	-0.64	-0.66	-0.66
					80	-0.65	-0.64	-0.65	-0.65
					81	-0.65	-0.64	-0.65	-0.65
					82	-0.65	-0.64	-0.65	-0.65
					1	-0.80	-0.80	-0.79	-0.80
					11	-0.62	-0.61	-0.61	-0.61

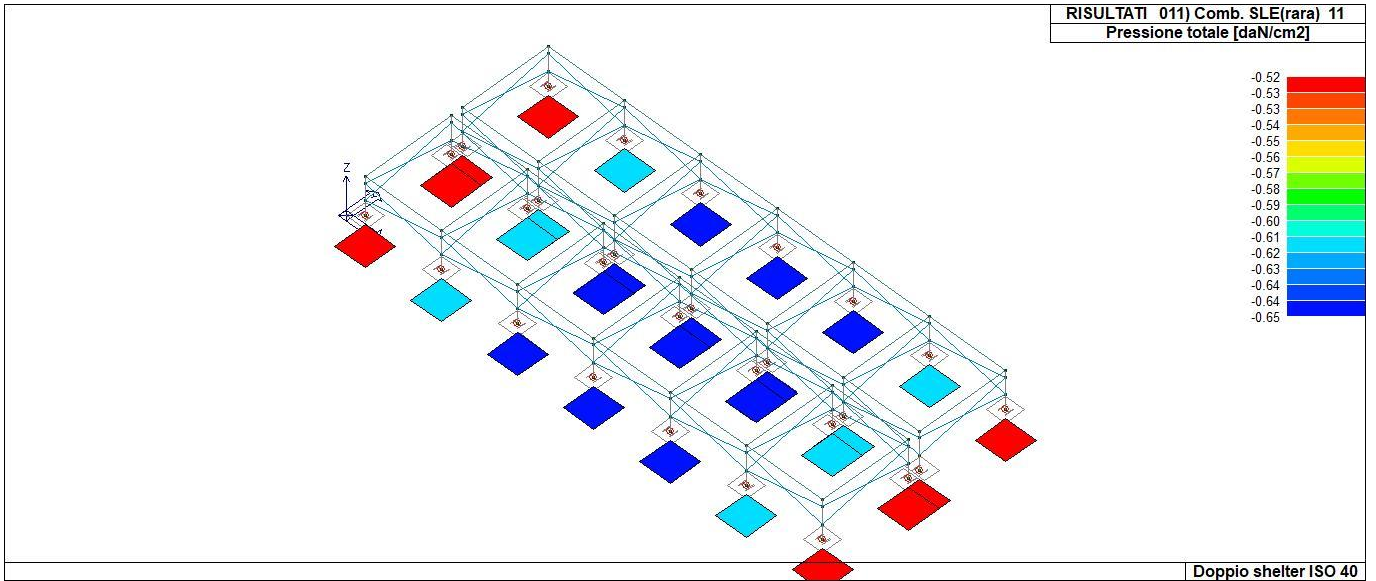
Nodo	Tipo	Area	Wink V	Wink O	Cmb	Pt	Pt	Pt	Pt
					35	-0.64	-0.63	-0.60	-0.61
					67	-0.63	-0.63	-0.60	-0.61
					80	-0.62	-0.61	-0.61	-0.61
					81	-0.62	-0.61	-0.61	-0.61
					82	-0.62	-0.61	-0.61	-0.61
85	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.80	-0.79	-0.80	-0.80
					11	-0.61	-0.61	-0.61	-0.62
					38	-0.61	-0.60	-0.63	-0.64
					70	-0.61	-0.60	-0.63	-0.63
					80	-0.61	-0.61	-0.61	-0.62
					81	-0.61	-0.61	-0.61	-0.62
					82	-0.61	-0.61	-0.61	-0.62
89	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.80	-0.80	-0.79	-0.80
					11	-0.62	-0.61	-0.61	-0.61
					35	-0.64	-0.63	-0.60	-0.61
					67	-0.63	-0.63	-0.60	-0.61
					80	-0.62	-0.61	-0.61	-0.61
					81	-0.62	-0.61	-0.61	-0.61
					82	-0.62	-0.61	-0.61	-0.61
93	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.80	-0.79	-0.80	-0.80
					11	-0.61	-0.61	-0.61	-0.62
					38	-0.61	-0.60	-0.63	-0.64
					70	-0.61	-0.60	-0.63	-0.63
					80	-0.61	-0.61	-0.61	-0.62
					81	-0.61	-0.61	-0.61	-0.62
					82	-0.61	-0.61	-0.61	-0.62
97	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.68	-0.67	-0.67	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					35	-0.54	-0.54	-0.50	-0.51
					67	-0.54	-0.53	-0.51	-0.51
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
101	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.67	-0.67	-0.68
					11	-0.52	-0.52	-0.52	-0.52
					32	-0.51	-0.51	-0.54	-0.54
					70	-0.51	-0.51	-0.53	-0.54
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
105	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.68	-0.67	-0.67	-0.67
					11	-0.52	-0.52	-0.52	-0.52
					35	-0.54	-0.54	-0.51	-0.51
					67	-0.54	-0.53	-0.51	-0.51
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
109	Plinto 80x80 - PLINTO 80.00 x80.00	0.64	6.88	4.08	1	-0.67	-0.67	-0.67	-0.68
					11	-0.52	-0.52	-0.52	-0.52
					38	-0.51	-0.50	-0.54	-0.54
					70	-0.51	-0.51	-0.53	-0.54
					80	-0.52	-0.52	-0.52	-0.52
					81	-0.52	-0.52	-0.52	-0.52
					82	-0.52	-0.52	-0.52	-0.52
Nodo						Pt	Pt	Pt	Pt
						-0.85			
						-0.50			



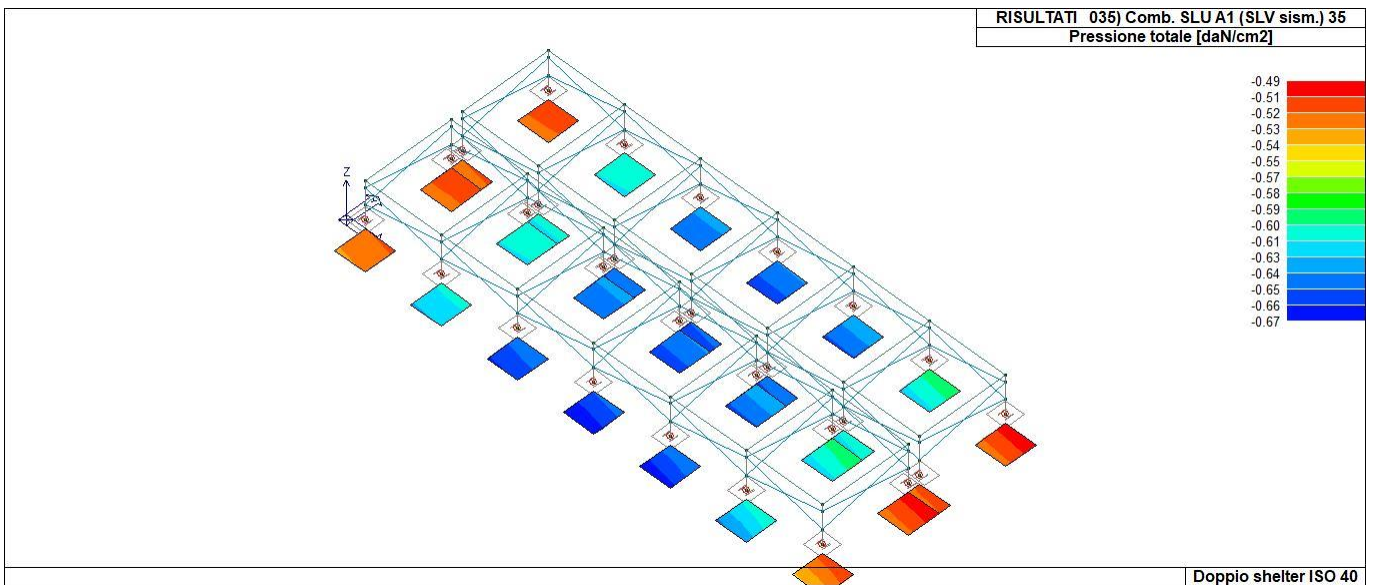
46_RIS_PRESSIONI_001_Comb SLU A1 1



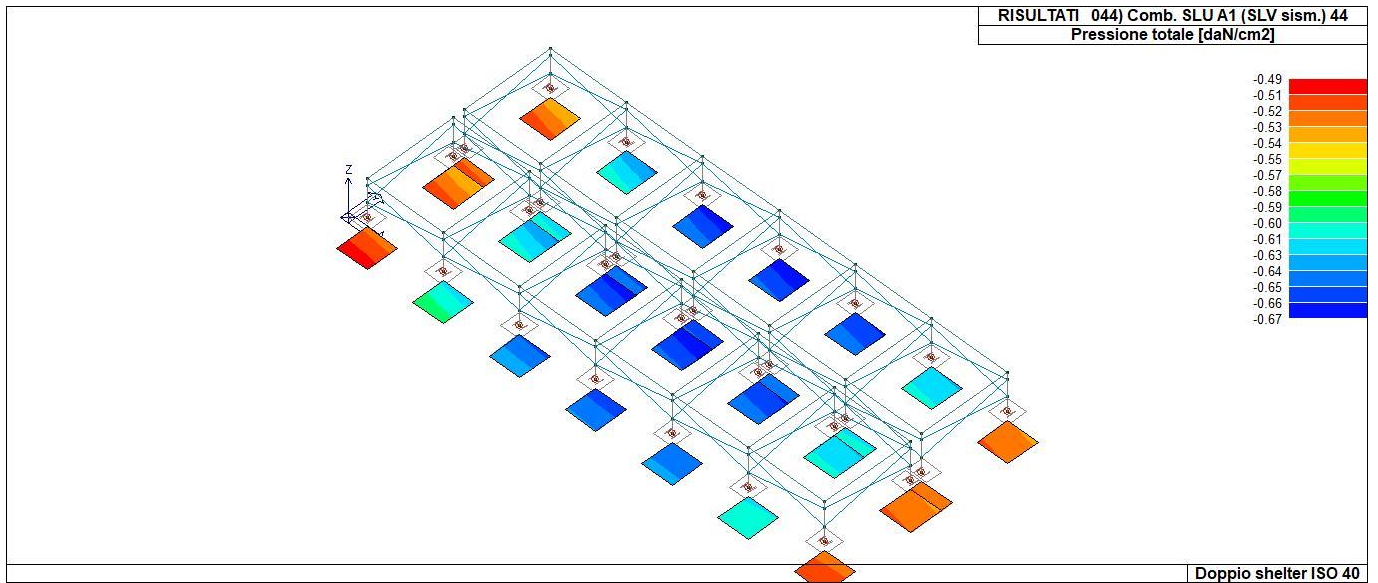
46_RIS_PRESSIONI_002_Comb SLU A1 2



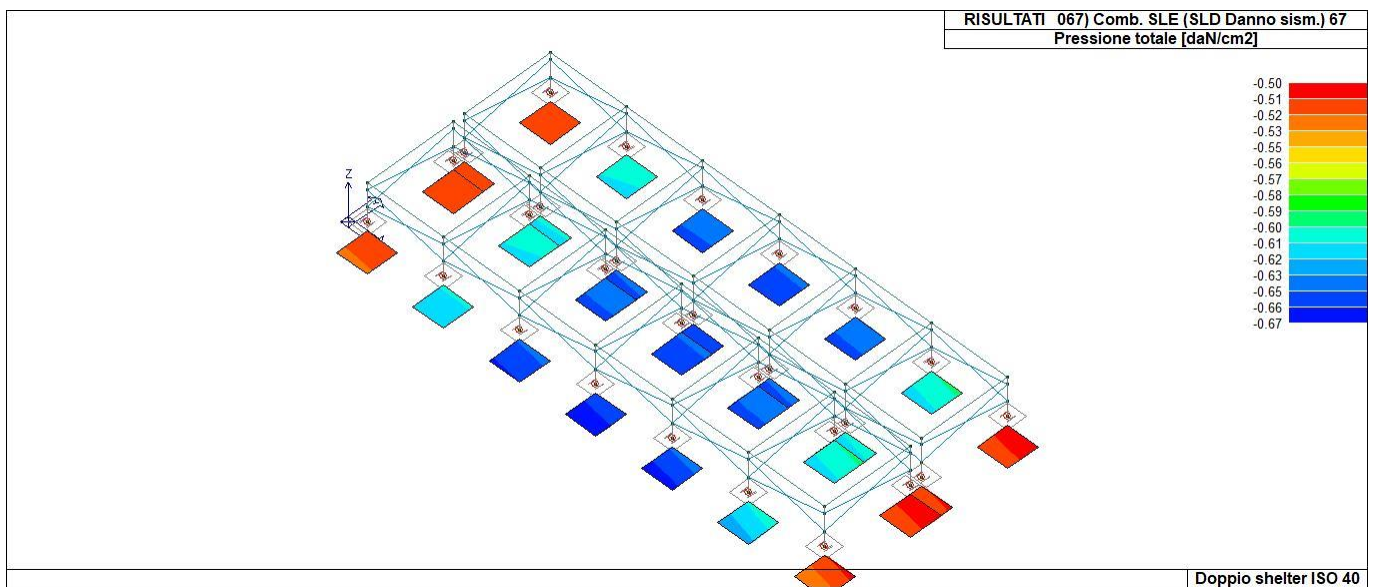
46_RIS_PRESSIONI_011_Comb SLErara 11



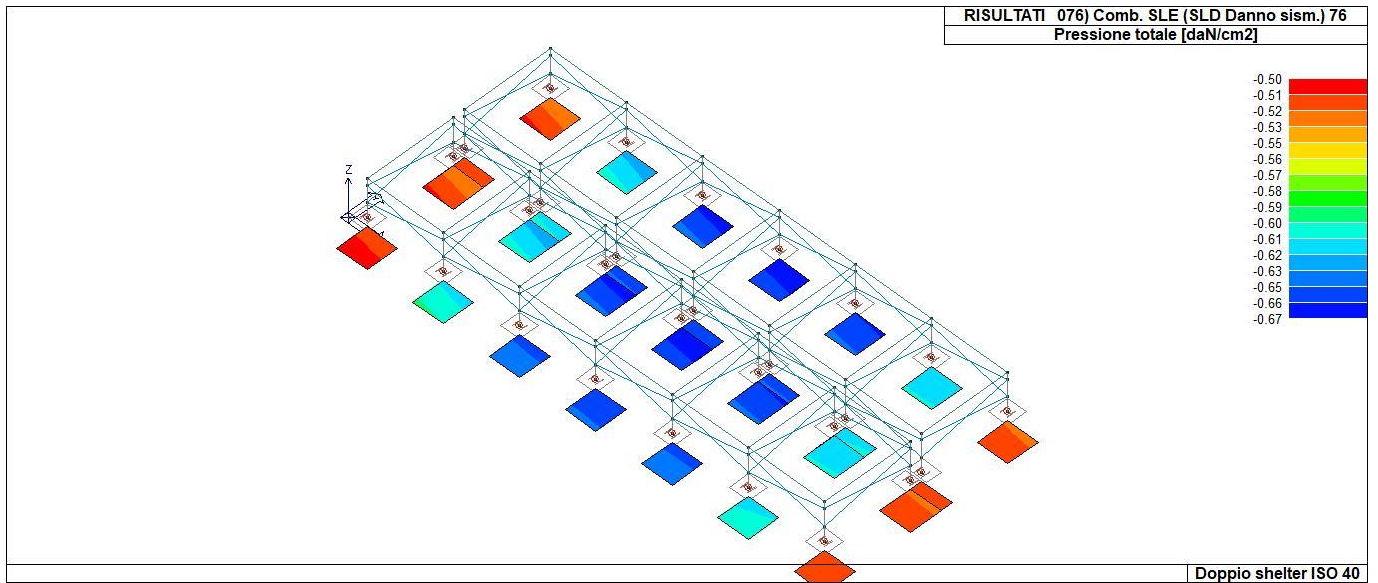
46_RIS_PRESSIONI_035_Comb SLU A1 SLV sism 35



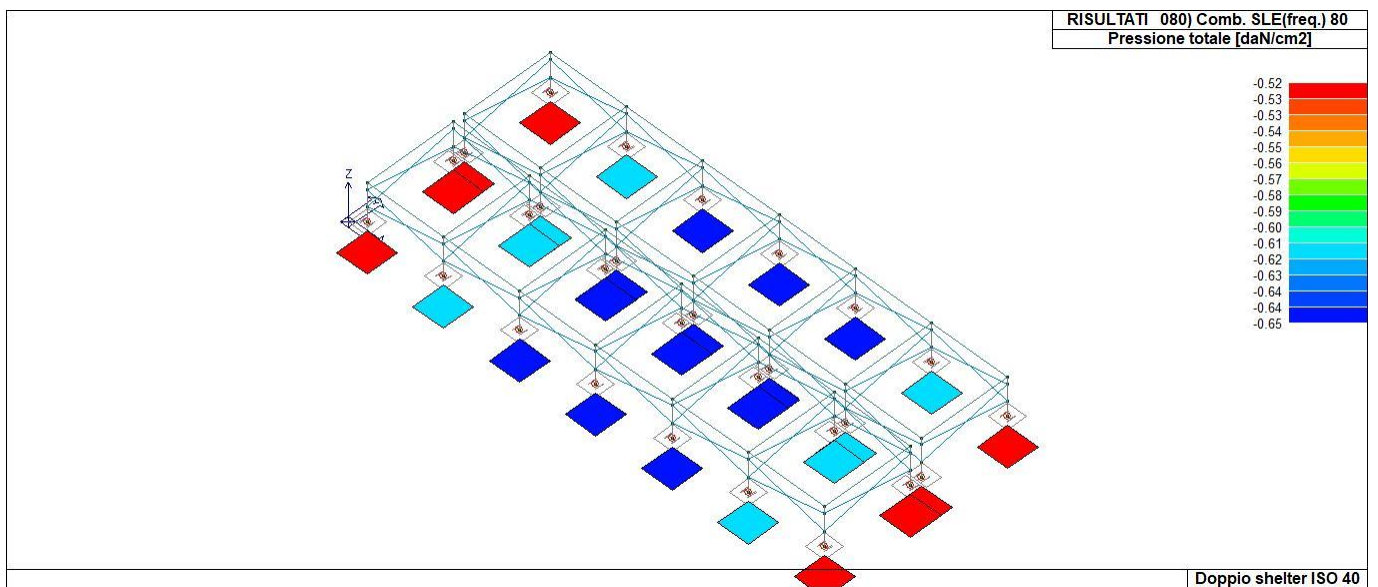
46_RIS_PRESSIONI_044_Comb SLU A1 SLV sism 44



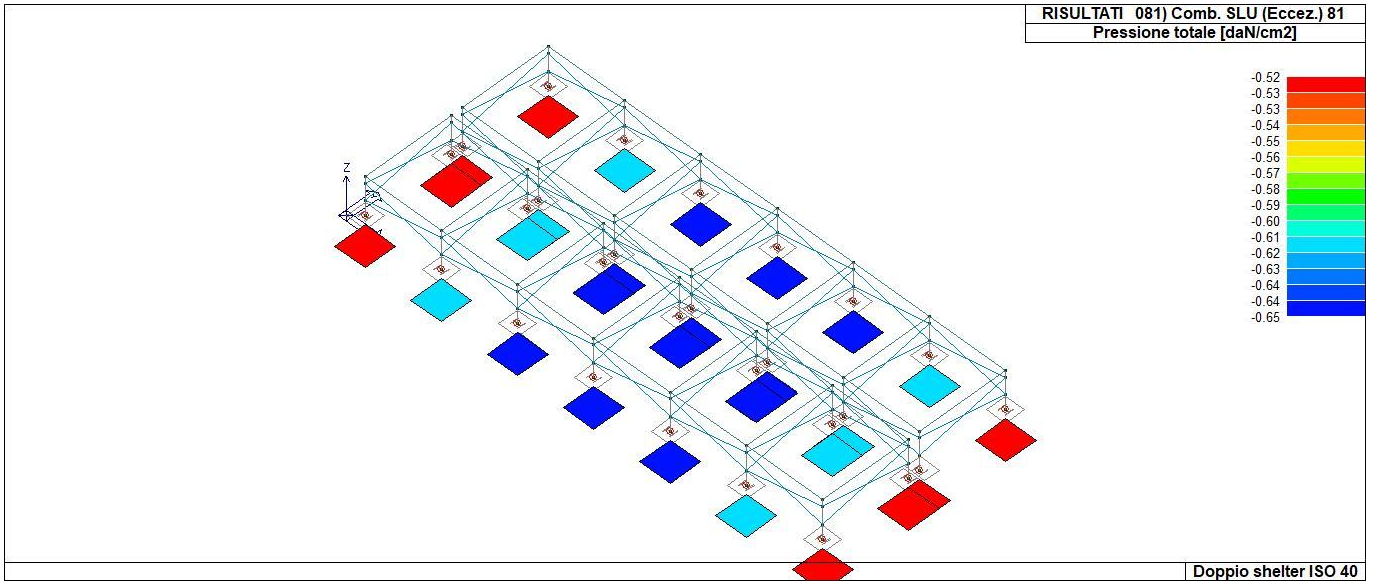
46_RIS_PRESSIONI_067_Comb SLE SLD Danno sism 67



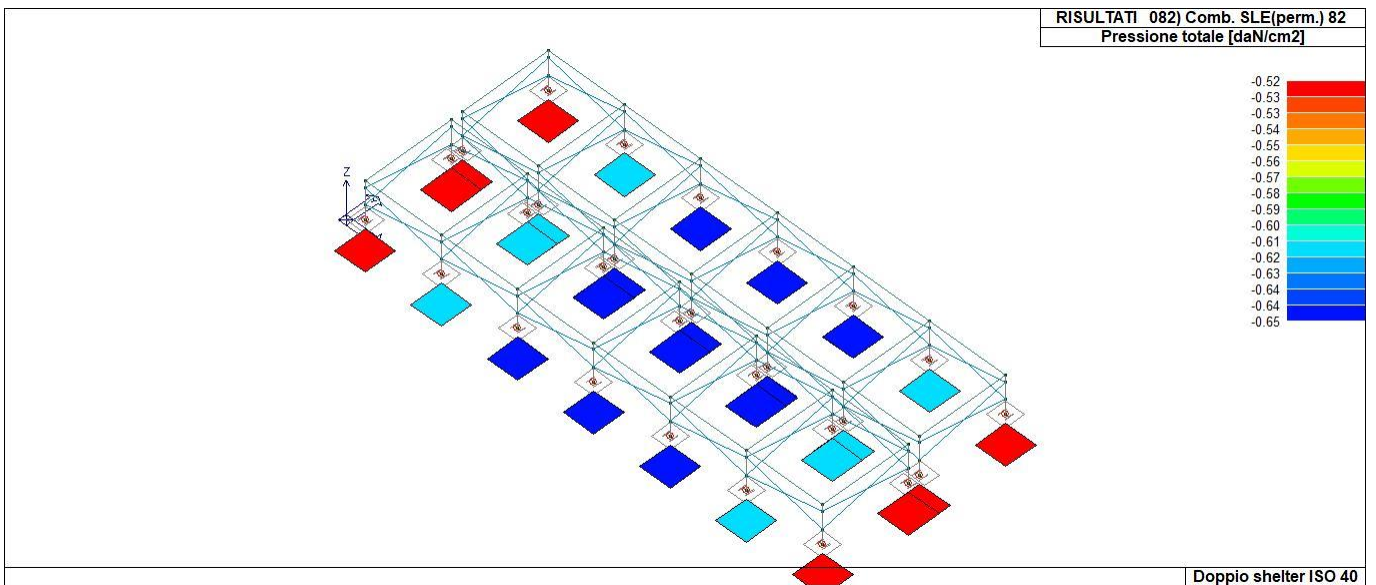
46_RIS_PRESSIONI_076_Comb SLE SLD Danno sism 76



46_RIS_PRESSIONI_080_Comb SLEfreq 80



46_RIS_PRESSIONI_081_Comb SLU Eccez 81



46_RIS_PRESSIONI_082_Comb SLEperm 82

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

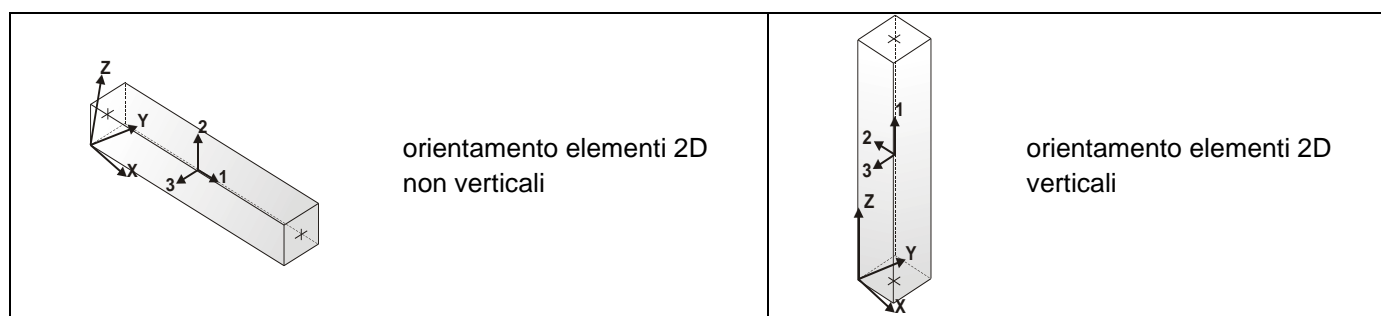
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2M 3	
daN cm		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	
1	1	-1.154e+04	1184.99	-1.01e-03	0.0	0.0	-2849.95	-143.07	8.82	-2.24	841.17	-
1.154e+04												
1.433e+04		-1.712e+04	841.17	3.98e-04	0.0	19.5	-2834.41	-143.07	8.82	-2.24	1013.08	-
1.712e+04												
1	2	-8876.90	911.53	-7.76e-04	0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05	-
8876.90												
1.102e+04		-1.317e+04	647.05	3.06e-04	0.0	19.5	-2180.32	-110.05	6.78	-1.72	779.29	-
1.317e+04												
1	11	-8876.90	911.53	-7.76e-04	0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05	-
8876.90												
1.102e+04		-1.317e+04	647.05	3.06e-04	0.0	19.5	-2180.32	-110.05	6.78	-1.72	779.29	-
1.317e+04												
1	16	-6737.91	1143.05	-1.45e-03	0.0	0.0	-2150.92	-77.04	9.48	1.98	773.09	-
6737.91												
8240.12		-9742.34	773.09	1.88e-04	0.0	19.5	-2138.96	-77.04	9.48	1.98	958.07	-
9742.34												
1	19	-1.102e+04	680.01	1.67e-04	0.0	0.0	-2233.63	-143.07	4.08	-5.42	521.01	-
1.102e+04												
1.381e+04		-1.660e+04	521.01	4.25e-04	0.0	19.5	-2221.67	-143.07	4.08	-5.42	600.51	-
1.660e+04												
1	40	-8557.27	4386.54	-9.07e-04	0.0	0.0	-2131.78	-104.88	46.41	-5.72	2576.41	-
8557.27												
1.060e+04		-1.265e+04	2576.41	-1.31e-03	0.0	19.5	-2119.83	-104.88	46.41	-5.72	3481.48	-
1.265e+04												
1	41	-7971.08	-1342.43	-1.04e-03	0.0	0.0	-2232.08	-96.26	-34.06	3.61	-1342.43	-
7971.08												
9848.23		-1.173e+04	-2670.65	1.97e-03	0.0	19.5	-2220.12	-96.26	-34.06	3.61	-2006.54	-
1.173e+04												
1	42	-9782.72	4493.71	-5.16e-04	0.0	0.0	-2152.47	-123.84	47.62	-7.05	2636.53	-
9782.72												
1.220e+04		-1.461e+04	2636.53	-1.36e-03	0.0	19.5	-2140.51	-123.84	47.62	-7.05	3565.12	-
1.461e+04												
1	43	-9196.53	-1282.31	-6.45e-04	0.0	0.0	-2252.76	-115.23	-32.85	2.28	-1282.31	-
9196.53												
1.144e+04		-1.369e+04	-2563.48	1.92e-03	0.0	19.5	-2240.81	-115.23	-32.85	2.28	-1922.90	-
1.369e+04												
1	48	-7625.17	1058.11	-1.17e-03	0.0	0.0	-2167.89	-90.74	8.49	0.54	726.86	-
7625.17												
9394.60		-1.116e+04	726.86	2.31e-04	0.0	19.5	-2155.93	-90.74	8.49	0.54	892.48	-
1.116e+04												
1	51	-1.013e+04	764.95	-3.84e-04	0.0	0.0	-2216.66	-129.37	5.07	-3.98	567.24	-
1.013e+04												
1.265e+04		-1.517e+04	567.24	3.82e-04	0.0	19.5	-2204.70	-129.37	5.07	-3.98	666.10	-
1.517e+04												
1	72	-8708.77	3215.68	-8.48e-04	0.0	0.0	-2153.02	-107.31	33.06	-4.28	1926.30	-
8708.77												
1.080e+04		-1.289e+04	1926.30	-7.67e-04	0.0	19.5	-2141.07	-107.31	33.06	-4.28	2570.99	-

1.289e+04					39.0	-2129.11	-107.31	33.06	-4.28	3215.68	-
1	73	-8332.07	-668.86	-9.32e-04	0.0	0.0	-2219.50	-101.76	-20.24	1.61	-668.86
8332.07		-1.230e+04	-1458.03	1.41e-03	0.0	19.5	-2207.55	-101.76	-20.24	1.61	-1063.44
1.032e+04					39.0	-2195.59	-101.76	-20.24	1.61	-1458.03	-
1.230e+04					0.0	0.0	-2165.04	-118.34	33.80	-5.05	1962.96
1	74	-9421.74	3281.09	-6.20e-04	0.0	0.0	-2165.04	-118.34	33.80	-5.05	1962.96
9421.74		-1.404e+04	1962.96	-7.96e-04	0.0	19.5	-2153.09	-118.34	33.80	-5.05	2622.03
1.173e+04					39.0	-2141.13	-118.34	33.80	-5.05	3281.09	-
1.404e+04					0.0	0.0	-2231.52	-112.80	-19.50	0.84	-632.20
1	75	-9045.04	-632.20	-7.04e-04	0.0	0.0	-2231.52	-112.80	-19.50	0.84	-632.20
9045.04		-1.344e+04	-1392.62	1.38e-03	0.0	19.5	-2219.57	-112.80	-19.50	0.84	-1012.41
1.124e+04					39.0	-2207.61	-112.80	-19.50	0.84	-1392.62	-
1.344e+04					0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
1	80	-8876.90	911.53	-7.76e-04	0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
8876.90		-1.317e+04	647.05	3.06e-04	0.0	19.5	-2180.32	-110.05	6.78	-1.72	779.29
1.102e+04					39.0	-2168.36	-110.05	6.78	-1.72	911.53	-
1.317e+04					0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
1	81	-8876.90	911.53	-7.76e-04	0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
8876.90		-1.317e+04	647.05	3.06e-04	0.0	19.5	-2180.32	-110.05	6.78	-1.72	779.29
1.102e+04					39.0	-2168.36	-110.05	6.78	-1.72	911.53	-
1.317e+04					0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
1	82	-8876.90	911.53	-7.76e-04	0.0	0.0	-2192.27	-110.05	6.78	-1.72	647.05
8876.90		-1.317e+04	647.05	3.06e-04	0.0	19.5	-2180.32	-110.05	6.78	-1.72	779.29
1.102e+04					39.0	-2168.36	-110.05	6.78	-1.72	911.53	-
1.317e+04					0.0	0.0	-2758.24	-30.04	-351.72	4.05	3861.68
2	1	-1.371e+04	3861.68	-3.59e-03	0.0	0.0	-2758.24	-30.04	-351.72	4.05	3861.68
1.371e+04		-1.509e+04	-1.232e+04	4.98e-04	0.0	23.0	-2739.90	-30.04	-351.72	4.05	-4227.92
1.440e+04					46.0	-2721.57	-30.04	-351.72	4.05	-1.232e+04	-
1.509e+04					0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52
2	2	-1.054e+04	2970.52	-2.76e-03	0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52
1.054e+04		-1.161e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	-23.10	-270.56	3.12	-3252.25
1.108e+04					46.0	-2093.52	-23.10	-270.56	3.12	-9475.02	-
1.161e+04					0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52
2	11	-1.054e+04	2970.52	-2.76e-03	0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52
1.054e+04		-1.161e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	-23.10	-270.56	3.12	-3252.25
1.108e+04					46.0	-2093.52	-23.10	-270.56	3.12	-9475.02	-
1.161e+04					0.0	0.0	-2103.25	-71.33	-274.56	3.15	3166.00
2	16	-7436.10	3166.00	-3.12e-03	0.0	0.0	-2103.25	-71.33	-274.56	3.15	3166.00
7436.10		-1.072e+04	-9463.99	3.31e-04	0.0	23.0	-2089.15	-71.33	-274.56	3.15	-3148.99
9076.79					46.0	-2075.05	-71.33	-274.56	3.15	-9463.99	-
1.072e+04					0.0	0.0	-2140.19	25.13	-266.55	3.09	2775.04
2	19	-1.250e+04	2775.04	-2.40e-03	0.0	0.0	-2140.19	25.13	-266.55	3.09	2775.04
1.365e+04		-1.365e+04	-9486.04	4.35e-04	0.0	23.0	-2126.09	25.13	-266.55	3.09	-3355.50
1.307e+04					46.0	-2111.99	25.13	-266.55	3.09	-9486.04	-
1.250e+04					0.0	0.0	-2088.86	-30.42	-330.49	4.16	5889.70
2	40	-1.007e+04	5889.70	-2.85e-03	0.0	0.0	-2088.86	-30.42	-330.49	4.16	5889.70
1.007e+04		-1.147e+04	-9312.91	-5.33e-04	0.0	23.0	-2074.76	-30.42	-330.49	4.16	-1711.60
1.077e+04					46.0	-2060.66	-30.42	-330.49	4.16	-9312.91	-
1.147e+04					0.0	0.0	-2145.79	-43.44	-208.77	2.00	-38.50
2	41	-9231.23	-38.50	-2.88e-03	0.0	0.0	-2145.79	-43.44	-208.77	2.00	-38.50
9231.23											

1.023e+04	-1.123e+04	-9642.10	1.07e-03	0.0	23.0	-2131.69	-43.44	-208.77	2.00	-4840.30	-	
						46.0	-2117.59	-43.44	-208.77	2.00	-9642.10	-
1.123e+04 2	42 -1.186e+04	5979.54	-2.63e-03	0.0	0.0	-2097.65	-2.77	-332.34	4.24	5979.54	-	
1.186e+04												
1.192e+04	-1.198e+04	-9307.93	-5.56e-04	0.0	23.0	-2083.55	-2.77	-332.34	4.24	-1664.20	-	
						46.0	-2069.45	-2.77	-332.34	4.24	-9307.93	-
1.198e+04 2	43 -1.101e+04	51.34	-2.67e-03	0.0	0.0	-2154.58	-15.78	-210.62	2.08	51.34	-	
1.101e+04												
1.138e+04	-1.174e+04	-9637.12	1.05e-03	0.0	23.0	-2140.47	-15.78	-210.62	2.08	-4792.89	-	
						46.0	-2126.37	-15.78	-210.62	2.08	-9637.12	-
1.174e+04 2	48 -8725.39	3094.24	-2.97e-03	0.0	0.0	-2110.81	-51.32	-273.09	3.14	3094.24	-	
8725.39												
9905.86	-1.109e+04	-9468.05	3.50e-04	0.0	23.0	-2096.71	-51.32	-273.09	3.14	-3186.90	-	
						46.0	-2082.60	-51.32	-273.09	3.14	-9468.05	-
1.109e+04 2	51 -1.213e+04	2846.80	-2.55e-03	0.0	0.0	-2132.63	5.12	-268.02	3.09	2846.80	-	
1.236e+04												
1.224e+04	-1.236e+04	-9481.99	4.16e-04	0.0	23.0	-2118.53	5.12	-268.02	3.09	-3317.59	-	
						46.0	-2104.43	5.12	-268.02	3.09	-9481.99	-
1.213e+04 2	72 -1.030e+04	4906.16	-2.81e-03	0.0	0.0	-2100.30	-26.97	-310.30	3.81	4906.16	-	
1.030e+04												
1.092e+04	-1.154e+04	-9367.52	-2.73e-04	0.0	23.0	-2086.20	-26.97	-310.30	3.81	-2230.68	-	
						46.0	-2072.10	-26.97	-310.30	3.81	-9367.52	-
1.154e+04 2	73 -9754.34	980.02	-2.83e-03	0.0	0.0	-2138.04	-35.33	-229.69	2.38	980.02	-	
9754.34												
1.057e+04	-1.138e+04	-9585.56	8.27e-04	0.0	23.0	-2123.93	-35.33	-229.69	2.38	-4302.77	-	
						46.0	-2109.83	-35.33	-229.69	2.38	-9585.56	-
1.138e+04 2	74 -1.133e+04	4961.02	-2.69e-03	0.0	0.0	-2105.40	-10.87	-311.42	3.86	4961.02	-	
1.133e+04												
1.158e+04	-1.183e+04	-9364.47	-2.86e-04	0.0	23.0	-2091.30	-10.87	-311.42	3.86	-2201.73	-	
						46.0	-2077.20	-10.87	-311.42	3.86	-9364.47	-
1.183e+04 2	75 -1.079e+04	1034.89	-2.71e-03	0.0	0.0	-2143.14	-19.24	-230.81	2.42	1034.89	-	
1.079e+04												
1.123e+04	-1.168e+04	-9582.51	8.15e-04	0.0	23.0	-2129.04	-19.24	-230.81	2.42	-4273.81	-	
						46.0	-2114.94	-19.24	-230.81	2.42	-9582.51	-
1.168e+04 2	80 -1.054e+04	2970.52	-2.76e-03	0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52	-	
1.054e+04												
1.108e+04	-1.161e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	-23.10	-270.56	3.12	-3252.25	-	
						46.0	-2093.52	-23.10	-270.56	3.12	-9475.02	-
1.161e+04 2	81 -1.054e+04	2970.52	-2.76e-03	0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52	-	
1.054e+04												
1.108e+04	-1.161e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	-23.10	-270.56	3.12	-3252.25	-	
						46.0	-2093.52	-23.10	-270.56	3.12	-9475.02	-
1.161e+04 2	82 -1.054e+04	2970.52	-2.76e-03	0.0	0.0	-2121.72	-23.10	-270.56	3.12	2970.52	-	
1.054e+04												
1.108e+04	-1.161e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	-23.10	-270.56	3.12	-3252.25	-	
						46.0	-2093.52	-23.10	-270.56	3.12	-9475.02	-
1.161e+04 3	1 -1.389e+04 -1.228e+04	-2.15e-03		0.0	0.0	-2427.22	-684.85	-713.26	-5.18	-1.228e+04	-	
1.389e+04												
2.005e+04	-2.622e+04 -2.511e+04	-1.20e-03		0.0	9.0	-2420.05	-684.85	-713.26	-5.18	-1.869e+04	-	
2.622e+04					18.0	-2412.88	-684.85	-713.26	-5.18	-2.511e+04	-	

3	2	-1.069e+04	-9442.61	-1.66e-03	0.0	0.0	-1867.10	-526.81	-548.66	-3.98	-9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	-548.66	-3.98	-1.438e+04	-
1.543e+04						18.0	-1856.06	-526.81	-548.66	-3.98	-1.932e+04	-
2.017e+04												
3	11	-1.069e+04	-9442.61	-1.66e-03	0.0	0.0	-1867.10	-526.81	-548.66	-3.98	-9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	-548.66	-3.98	-1.438e+04	-
1.543e+04						18.0	-1856.06	-526.81	-548.66	-3.98	-1.932e+04	-
2.017e+04												
3	16	-9974.37	-9453.29	-1.73e-03	0.0	0.0	-1862.42	-548.96	-546.78	-4.23	-9453.29	-
9974.37					0.0	9.0	-1856.90	-548.96	-546.78	-4.23	-1.437e+04	-
1.491e+04						18.0	-1851.38	-548.96	-546.78	-4.23	-1.930e+04	-
1.985e+04												
3	19	-1.140e+04	-9431.93	-1.58e-03	0.0	0.0	-1871.77	-504.66	-550.54	-3.73	-9431.93	-
1.140e+04					0.0	9.0	-1866.25	-504.66	-550.54	-3.73	-1.439e+04	-
1.594e+04						18.0	-1860.74	-504.66	-550.54	-3.73	-1.934e+04	-
2.048e+04												
3	40	-1.058e+04	-9576.56	-1.68e-03	0.0	0.0	-1860.82	-528.17	-525.50	-4.43	-9576.56	-
1.058e+04					0.0	9.0	-1855.30	-528.17	-525.50	-4.43	-1.431e+04	-
1.531e+04						18.0	-1849.78	-528.17	-525.50	-4.43	-1.904e+04	-
2.004e+04												
3	41	-1.038e+04	-9304.75	-1.68e-03	0.0	0.0	-1871.05	-538.04	-572.48	-3.66	-9304.75	-
1.038e+04					0.0	9.0	-1865.53	-538.04	-572.48	-3.66	-1.446e+04	-
1.525e+04						18.0	-1860.01	-538.04	-572.48	-3.66	-1.961e+04	-
2.012e+04												
3	43	-1.079e+04	-9308.66	-1.63e-03	0.0	0.0	-1873.37	-525.45	-571.83	-3.53	-9308.66	-
1.079e+04					0.0	9.0	-1867.85	-525.45	-571.83	-3.53	-1.446e+04	-
1.554e+04						18.0	-1862.34	-525.45	-571.83	-3.53	-1.960e+04	-
2.030e+04												
3	48	-1.027e+04	-9449.31	-1.70e-03	0.0	0.0	-1864.34	-539.76	-547.48	-4.13	-9449.31	-
1.027e+04					0.0	9.0	-1858.83	-539.76	-547.48	-4.13	-1.438e+04	-
1.513e+04						18.0	-1853.31	-539.76	-547.48	-4.13	-1.930e+04	-
1.998e+04												
3	51	-1.110e+04	-9435.91	-1.61e-03	0.0	0.0	-1869.85	-513.86	-549.84	-3.84	-9435.91	-
1.110e+04					0.0	9.0	-1864.33	-513.86	-549.84	-3.84	-1.438e+04	-
1.573e+04						18.0	-1858.81	-513.86	-549.84	-3.84	-1.933e+04	-
2.035e+04												
3	72	-1.063e+04	-9531.50	-1.67e-03	0.0	0.0	-1863.03	-527.23	-533.29	-4.27	-9531.50	-
1.063e+04					0.0	9.0	-1857.51	-527.23	-533.29	-4.27	-1.433e+04	-
1.536e+04						18.0	-1851.99	-527.23	-533.29	-4.27	-1.913e+04	-
2.009e+04												
3	73	-1.050e+04	-9351.29	-1.67e-03	0.0	0.0	-1869.81	-533.71	-564.44	-3.76	-9351.29	-
1.050e+04					0.0	9.0	-1864.29	-533.71	-564.44	-3.76	-1.443e+04	-
1.532e+04						18.0	-1858.78	-533.71	-564.44	-3.76	-1.951e+04	-
2.014e+04												
3	75	-1.074e+04	-9353.72	-1.64e-03	0.0	0.0	-1871.16	-526.39	-564.03	-3.69	-9353.72	-
1.074e+04					0.0	9.0	-1865.64	-526.39	-564.03	-3.69	-1.443e+04	-
1.549e+04						18.0	-1860.13	-526.39	-564.03	-3.69	-1.951e+04	-
2.024e+04												
3	80	-1.069e+04	-9442.61	-1.66e-03	0.0	0.0	-1867.10	-526.81	-548.66	-3.98	-9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	-548.66	-3.98	-1.438e+04	-
1.543e+04												

2.017e+04					18.0	-1856.06	-526.81	-548.66	-3.98	-1.932e+04	-	
3	81	-1.069e+04	-9442.61	-1.66e-03	0.0	0.0	-1867.10	-526.81	-548.66	-3.98	-9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	-548.66	-3.98	-1.438e+04	-
1.543e+04												
2.017e+04					18.0	-1856.06	-526.81	-548.66	-3.98	-1.932e+04	-	
3	82	-1.069e+04	-9442.61	-1.66e-03	0.0	0.0	-1867.10	-526.81	-548.66	-3.98	-9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	-548.66	-3.98	-1.438e+04	-
1.543e+04												
2.017e+04					18.0	-1856.06	-526.81	-548.66	-3.98	-1.932e+04	-	
4	1	-1.154e+04	-841.17	-1.01e-03	0.0	0.0	-2849.95	-143.07	-8.82	2.24	-841.17	-
1.154e+04					0.0	19.5	-2834.41	-143.07	-8.82	2.24	-1013.08	-
1.433e+04												
1.712e+04					39.0	-2818.87	-143.07	-8.82	2.24	-1184.99	-	
4	2	-8876.90	-647.05	-7.76e-04	0.0	0.0	-2192.27	-110.05	-6.78	1.72	-647.05	-
8876.90					0.0	19.5	-2180.32	-110.05	-6.78	1.72	-779.29	-
1.102e+04												
1.317e+04					39.0	-2168.36	-110.05	-6.78	1.72	-911.53	-	
4	11	-8876.90	-647.05	-7.76e-04	0.0	0.0	-2192.27	-110.05	-6.78	1.72	-647.05	-
8876.90					0.0	19.5	-2180.32	-110.05	-6.78	1.72	-779.29	-
1.102e+04												
1.317e+04					39.0	-2168.36	-110.05	-6.78	1.72	-911.53	-	
4	17	-6980.74	-973.54	-1.38e-03	0.0	0.0	-2155.53	-80.73	-13.51	1.95	-973.54	-
6980.74					0.0	19.5	-2143.58	-80.73	-13.51	1.95	-1236.88	-
8555.02												
1.013e+04					39.0	-2131.62	-80.73	-13.51	1.95	-1500.22	-	
4	18	-1.077e+04	-320.57	-1.74e-04	0.0	0.0	-2229.01	-139.38	-0.05	1.49	-320.57	-
1.077e+04					0.0	19.5	-2217.05	-139.38	-0.05	1.49	-321.70	-
1.349e+04												
1.621e+04					39.0	-2205.10	-139.38	-0.05	1.49	-322.84	-	
4	41	-8630.18	-2636.54	-8.86e-04	0.0	0.0	-2133.16	-105.98	-47.62	6.90	-2636.54	-
8630.18					0.0	19.5	-2121.21	-105.98	-47.62	6.90	-3565.12	-
1.070e+04												
1.276e+04					39.0	-2109.25	-105.98	-47.62	6.90	-4493.70	-	
4	42	-9123.62	2670.64	-6.66e-04	0.0	0.0	-2251.38	-114.12	34.06	-3.46	1342.44	-
9123.62					0.0	19.5	-2239.43	-114.12	34.06	-3.46	2006.54	-
1.135e+04												
1.357e+04					39.0	-2227.47	-114.12	34.06	-3.46	2670.64	-	
4	49	-7767.53	-849.10	-1.13e-03	0.0	0.0	-2170.53	-92.91	-10.95	1.72	-849.10	-
7767.53					0.0	19.5	-2158.58	-92.91	-10.95	1.72	-1062.62	-
9579.20												
1.139e+04					39.0	-2146.62	-92.91	-10.95	1.72	-1276.14	-	
4	50	-9986.27	-445.00	-4.25e-04	0.0	0.0	-2214.01	-127.20	-2.61	1.72	-445.00	-
9986.27					0.0	19.5	-2202.06	-127.20	-2.61	1.72	-495.96	-
1.247e+04												
1.495e+04					39.0	-2190.10	-127.20	-2.61	1.72	-546.92	-	
4	73	-8751.52	-1962.97	-8.35e-04	0.0	0.0	-2153.81	-107.96	-33.80	4.96	-1962.97	-
8751.52					0.0	19.5	-2141.86	-107.96	-33.80	4.96	-2622.03	-
1.086e+04												
1.296e+04					39.0	-2129.90	-107.96	-33.80	4.96	-3281.09	-	
4	74	-9002.28	1458.03	-7.16e-04	0.0	0.0	-2230.73	-112.15	20.24	-1.52	668.87	-
9002.28												

1.119e+04		-1.338e+04	668.87	-1.41e-03	0.0	19.5	-2218.78	-112.15	20.24	-1.52	1063.45	-
1.338e+04						39.0	-2206.82	-112.15	20.24	-1.52	1458.03	-
4	80	-8876.90	-647.05	-7.76e-04	0.0	0.0	-2192.27	-110.05	-6.78	1.72	-647.05	-
8876.90												
1.102e+04		-1.317e+04	-911.53	-3.06e-04	0.0	19.5	-2180.32	-110.05	-6.78	1.72	-779.29	-
1.317e+04						39.0	-2168.36	-110.05	-6.78	1.72	-911.53	-
4	81	-8876.90	-647.05	-7.76e-04	0.0	0.0	-2192.27	-110.05	-6.78	1.72	-647.05	-
8876.90												
1.102e+04		-1.317e+04	-911.53	-3.06e-04	0.0	19.5	-2180.32	-110.05	-6.78	1.72	-779.29	-
1.317e+04						39.0	-2168.36	-110.05	-6.78	1.72	-911.53	-
4	82	-8876.90	-647.05	-7.76e-04	0.0	0.0	-2192.27	-110.05	-6.78	1.72	-647.05	-
8876.90												
1.102e+04		-1.317e+04	-911.53	-3.06e-04	0.0	19.5	-2180.32	-110.05	-6.78	1.72	-779.29	-
1.317e+04						39.0	-2168.36	-110.05	-6.78	1.72	-911.53	-
5	1	-1.371e+04	1.232e+04	-3.59e-03	0.0	0.0	-2758.24	-30.04	351.72	-4.05	-3861.68	-
1.371e+04												
1.440e+04		-1.509e+04	-3861.68	-4.98e-04	0.0	23.0	-2739.90	-30.04	351.72	-4.05	4227.92	-
1.509e+04						46.0	-2721.57	-30.04	351.72	-4.05	1.232e+04	-
5	2	-1.054e+04	9475.02	-2.76e-03	0.0	0.0	-2121.72	-23.10	270.56	-3.12	-2970.52	-
1.054e+04												
1.108e+04		-1.161e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	-23.10	270.56	-3.12	3252.25	-
1.161e+04						46.0	-2093.52	-23.10	270.56	-3.12	9475.02	-
5	11	-1.054e+04	9475.02	-2.76e-03	0.0	0.0	-2121.72	-23.10	270.56	-3.12	-2970.52	-
1.054e+04												
1.108e+04		-1.161e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	-23.10	270.56	-3.12	3252.25	-
1.161e+04						46.0	-2093.52	-23.10	270.56	-3.12	9475.02	-
5	17	-7783.41	9447.39	-3.08e-03	0.0	0.0	-2105.64	-65.89	280.72	-3.03	-3465.46	-
7783.41												
9298.82		-1.081e+04	-3465.46	-2.72e-04	0.0	23.0	-2091.54	-65.89	280.72	-3.03	2990.97	-
1.081e+04						46.0	-2077.44	-65.89	280.72	-3.03	9447.39	-
5	18	-1.240e+04	9502.64	-2.43e-03	0.0	0.0	-2137.80	19.68	260.39	-3.20	-2475.58	-
1.330e+04												
1.285e+04		-1.330e+04	-2475.58	-4.97e-04	0.0	23.0	-2123.69	19.68	260.39	-3.20	3513.53	-
1.240e+04						46.0	-2109.59	19.68	260.39	-3.20	9502.64	-
5	41	-1.018e+04	9307.93	-2.84e-03	0.0	0.0	-2089.58	-28.79	332.34	-4.12	-5979.54	-
1.018e+04												
1.084e+04		-1.150e+04	-5979.54	5.56e-04	0.0	23.0	-2075.48	-28.79	332.34	-4.12	1664.20	-
1.150e+04						46.0	-2061.38	-28.79	332.34	-4.12	9307.93	-
5	42	-1.091e+04	9642.10	-2.68e-03	0.0	0.0	-2153.86	-17.42	208.77	-2.11	38.50	-
1.091e+04												
1.131e+04		-1.171e+04	38.50	-1.07e-03	0.0	23.0	-2139.76	-17.42	208.77	-2.11	4840.30	-
1.171e+04						46.0	-2125.66	-17.42	208.77	-2.11	9642.10	-
5	45	-1.023e+04	9312.41	-2.83e-03	0.0	0.0	-2089.55	-28.00	330.73	-4.17	-5901.31	-
1.023e+04												
1.087e+04		-1.152e+04	-5901.31	5.39e-04	0.0	23.0	-2075.45	-28.00	330.73	-4.17	1705.55	-
1.152e+04						46.0	-2061.34	-28.00	330.73	-4.17	9312.41	-
5	46	-1.086e+04	9637.62	-2.69e-03	0.0	0.0	-2153.89	-18.20	210.38	-2.06	-39.73	-
1.086e+04												
1.128e+04		-1.169e+04	-39.73	-1.06e-03	0.0	23.0	-2139.79	-18.20	210.38	-2.06	4798.95	-
1.169e+04						46.0	-2125.69	-18.20	210.38	-2.06	9637.62	-

5	49	-8929.01	9457.90	-2.95e-03	0.0	0.0	-2112.17	-48.13	276.85	-3.08	-3277.13	-
8929.01					0.0	23.0	-2098.07	-48.13	276.85	-3.08	3090.39	-
1.004e+04		-1.114e+04	-3277.13	-3.12e-04		46.0	-2083.97	-48.13	276.85	-3.08	9457.90	-
1.114e+04												
5	50	-1.207e+04	9492.13	-2.57e-03	0.0	0.0	-2131.27	1.92	264.26	-3.16	-2663.91	-
1.216e+04					0.0	23.0	-2117.16	1.92	264.26	-3.16	3414.11	-
1.211e+04		-1.216e+04	-2663.91	-4.54e-04		46.0	-2103.06	1.92	264.26	-3.16	9492.13	-
1.207e+04												
5	73	-1.036e+04	9364.48	-2.80e-03	0.0	0.0	-2100.71	-26.01	311.42	-3.79	-4961.02	-
1.036e+04					0.0	23.0	-2086.61	-26.01	311.42	-3.79	2201.73	-
1.096e+04		-1.155e+04	-4961.02	2.86e-04		46.0	-2072.51	-26.01	311.42	-3.79	9364.48	-
1.155e+04												
5	74	-1.073e+04	9585.55	-2.72e-03	0.0	0.0	-2142.73	-20.20	229.69	-2.44	-980.02	-
1.073e+04					0.0	23.0	-2128.63	-20.20	229.69	-2.44	4302.77	-
1.119e+04		-1.166e+04	-980.02	-8.27e-04		46.0	-2114.53	-20.20	229.69	-2.44	9585.55	-
1.166e+04												
5	80	-1.054e+04	9475.02	-2.76e-03	0.0	0.0	-2121.72	-23.10	270.56	-3.12	-2970.52	-
1.054e+04					0.0	23.0	-2107.62	-23.10	270.56	-3.12	3252.25	-
1.108e+04		-1.161e+04	-2970.52	-3.83e-04		46.0	-2093.52	-23.10	270.56	-3.12	9475.02	-
1.161e+04												
5	81	-1.054e+04	9475.02	-2.76e-03	0.0	0.0	-2121.72	-23.10	270.56	-3.12	-2970.52	-
1.054e+04					0.0	23.0	-2107.62	-23.10	270.56	-3.12	3252.25	-
1.108e+04		-1.161e+04	-2970.52	-3.83e-04		46.0	-2093.52	-23.10	270.56	-3.12	9475.02	-
1.161e+04												
5	82	-1.054e+04	9475.02	-2.76e-03	0.0	0.0	-2121.72	-23.10	270.56	-3.12	-2970.52	-
1.054e+04					0.0	23.0	-2107.62	-23.10	270.56	-3.12	3252.25	-
1.108e+04		-1.161e+04	-2970.52	-3.83e-04		46.0	-2093.52	-23.10	270.56	-3.12	9475.02	-
1.161e+04												
6	1	-1.389e+04	2.511e+04	-2.15e-03	0.0	0.0	-2427.22	-684.85	713.26	5.18	1.228e+04	-
1.389e+04					0.0	9.0	-2420.05	-684.85	713.26	5.18	1.869e+04	-
2.005e+04		-2.622e+04	1.228e+04	1.20e-03		18.0	-2412.88	-684.85	713.26	5.18	2.511e+04	-
2.622e+04												
6	2	-1.069e+04	1.932e+04	-1.66e-03	0.0	0.0	-1867.10	-526.81	548.66	3.98	9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	548.66	3.98	1.438e+04	-
1.543e+04		-2.017e+04	9442.61	9.21e-04		18.0	-1856.06	-526.81	548.66	3.98	1.932e+04	-
2.017e+04												
6	11	-1.069e+04	1.932e+04	-1.66e-03	0.0	0.0	-1867.10	-526.81	548.66	3.98	9442.61	-
1.069e+04					0.0	9.0	-1861.58	-526.81	548.66	3.98	1.438e+04	-
1.543e+04		-2.017e+04	9442.61	9.21e-04		18.0	-1856.06	-526.81	548.66	3.98	1.932e+04	-
2.017e+04												
6	17	-1.005e+04	1.927e+04	-1.73e-03	0.0	0.0	-1863.16	-547.19	544.61	4.29	9466.19	-
1.005e+04					0.0	9.0	-1857.65	-547.19	544.61	4.29	1.437e+04	-
1.498e+04		-1.990e+04	9466.19	9.57e-04		18.0	-1852.13	-547.19	544.61	4.29	1.927e+04	-
1.990e+04												
6	18	-1.132e+04	1.937e+04	-1.59e-03	0.0	0.0	-1871.03	-506.43	552.72	3.67	9419.03	-
1.132e+04					0.0	9.0	-1865.51	-506.43	552.72	3.67	1.439e+04	-
1.588e+04		-2.044e+04	9419.03	8.84e-04		18.0	-1859.99	-506.43	552.72	3.67	1.937e+04	-
2.044e+04												
6	42	-1.077e+04	1.961e+04	-1.63e-03	0.0	0.0	-1873.15	-525.98	572.48	3.52	9304.78	-
1.077e+04					0.0	9.0	-1867.63	-525.98	572.48	3.52	1.446e+04	-
1.552e+04		-2.028e+04	9304.78	7.19e-04								

2.028e+04					18.0	-1862.12	-525.98	572.48	3.52	1.961e+04	-	
6	45	-1.062e+04	1.903e+04	-1.68e-03	0.0	0.0	-1860.88	-527.00	525.43	4.41	9576.92	-
1.062e+04		-2.005e+04	9576.92	1.12e-03	0.0	9.0	-1855.36	-527.00	525.43	4.41	1.431e+04	-
1.533e+04												
2.005e+04					18.0	-1849.84	-527.00	525.43	4.41	1.903e+04	-	
6	46	-1.075e+04	1.960e+04	-1.64e-03	0.0	0.0	-1873.31	-526.62	571.90	3.55	9308.30	-
1.075e+04		-2.028e+04	9308.30	7.23e-04	0.0	9.0	-1867.80	-526.62	571.90	3.55	1.446e+04	-
1.552e+04												
2.028e+04					18.0	-1862.28	-526.62	571.90	3.55	1.960e+04	-	
6	49	-1.032e+04	1.929e+04	-1.70e-03	0.0	0.0	-1864.77	-538.73	546.12	4.16	9457.35	-
1.032e+04		-2.001e+04	9457.35	9.43e-04	0.0	9.0	-1859.25	-538.73	546.12	4.16	1.437e+04	-
1.516e+04												
2.001e+04					18.0	-1853.74	-538.73	546.12	4.16	1.929e+04	-	
6	50	-1.105e+04	1.935e+04	-1.62e-03	0.0	0.0	-1869.42	-514.89	551.20	3.80	9427.86	-
1.105e+04		-2.033e+04	9427.86	8.98e-04	0.0	9.0	-1863.90	-514.89	551.20	3.80	1.439e+04	-
1.569e+04												
2.033e+04					18.0	-1858.38	-514.89	551.20	3.80	1.935e+04	-	
6	74	-1.073e+04	1.951e+04	-1.64e-03	0.0	0.0	-1871.04	-526.70	564.44	3.68	9351.31	-
1.073e+04		-2.024e+04	9351.31	7.87e-04	0.0	9.0	-1865.52	-526.70	564.44	3.68	1.443e+04	-
1.548e+04												
2.024e+04					18.0	-1860.00	-526.70	564.44	3.68	1.951e+04	-	
6	77	-1.065e+04	1.913e+04	-1.67e-03	0.0	0.0	-1863.09	-526.45	533.24	4.26	9531.75	-
1.065e+04		-2.010e+04	9531.75	1.05e-03	0.0	9.0	-1857.57	-526.45	533.24	4.26	1.433e+04	-
1.538e+04												
2.010e+04					18.0	-1852.05	-526.45	533.24	4.26	1.913e+04	-	
6	78	-1.072e+04	1.951e+04	-1.65e-03	0.0	0.0	-1871.11	-527.17	564.08	3.70	9353.47	-
1.072e+04		-2.023e+04	9353.47	7.89e-04	0.0	9.0	-1865.59	-527.17	564.08	3.70	1.443e+04	-
1.547e+04												
2.023e+04					18.0	-1860.07	-527.17	564.08	3.70	1.951e+04	-	
6	80	-1.069e+04	1.932e+04	-1.66e-03	0.0	0.0	-1867.10	-526.81	548.66	3.98	9442.61	-
1.069e+04		-2.017e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	-526.81	548.66	3.98	1.438e+04	-
1.543e+04												
2.017e+04					18.0	-1856.06	-526.81	548.66	3.98	1.932e+04	-	
6	81	-1.069e+04	1.932e+04	-1.66e-03	0.0	0.0	-1867.10	-526.81	548.66	3.98	9442.61	-
1.069e+04		-2.017e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	-526.81	548.66	3.98	1.438e+04	-
1.543e+04												
2.017e+04					18.0	-1856.06	-526.81	548.66	3.98	1.932e+04	-	
6	82	-1.069e+04	1.932e+04	-1.66e-03	0.0	0.0	-1867.10	-526.81	548.66	3.98	9442.61	-
1.069e+04		-2.017e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	-526.81	548.66	3.98	1.438e+04	-
1.543e+04												
2.017e+04					18.0	-1856.06	-526.81	548.66	3.98	1.932e+04	-	
7	1	-1.154e+04	1185.48	-1.01e-03	0.0	0.0	-2850.23	-143.07	8.82	-2.23	841.52	-
1.154e+04		-1.712e+04	841.52	3.99e-04	0.0	19.5	-2834.68	-143.07	8.82	-2.23	1013.50	-
1.433e+04												
1.712e+04					39.0	-2819.14	-143.07	8.82	-2.23	1185.48	-	
7	2	-8876.94	911.91	-7.76e-04	0.0	0.0	-2192.48	-110.05	6.78	-1.72	647.33	-
8876.94		-1.317e+04	647.33	3.07e-04	0.0	19.5	-2180.53	-110.05	6.78	-1.72	779.62	-
1.102e+04												
1.317e+04					39.0	-2168.57	-110.05	6.78	-1.72	911.91	-	
7	11	-8876.94	911.91	-7.76e-04	0.0	0.0	-2192.48	-110.05	6.78	-1.72	647.33	-
8876.94												

1.102e+04		-1.317e+04	647.33	3.07e-04	0.0	19.5	-2180.53	-110.05	6.78	-1.72	779.62	-
1.317e+04						39.0	-2168.57	-110.05	6.78	-1.72	911.91	-
7	24	-6981.24	1501.63	-1.38e-03	0.0	0.0	-2155.81	-80.74	13.52	-1.91	974.38	-
6981.24												
		-1.013e+04	974.38	-4.24e-05	0.0	19.5	-2143.85	-80.74	13.52	-1.91	1238.01	-
8555.61												
						39.0	-2131.89	-80.74	13.52	-1.91	1501.63	-
1.013e+04												
7	27	-1.077e+04	322.19	-1.74e-04	0.0	0.0	-2229.16	-139.37	0.04	-1.53	320.27	-
1.077e+04												
		-1.621e+04	320.27	5.86e-04	0.0	19.5	-2217.20	-139.37	0.04	-1.53	321.23	-
1.349e+04												
						39.0	-2205.25	-139.37	0.04	-1.53	322.19	-
1.621e+04												
7	44	-8630.47	4494.09	-8.86e-04	0.0	0.0	-2133.40	-105.99	47.62	-6.89	2636.84	-
8630.47												
		-1.276e+04	2636.84	-1.36e-03	0.0	19.5	-2121.44	-105.99	47.62	-6.89	3565.47	-
1.070e+04												
						39.0	-2109.49	-105.99	47.62	-6.89	4494.09	-
1.276e+04												
7	47	-9123.41	-1342.19	-6.66e-04	0.0	0.0	-2251.57	-114.12	-34.06	3.45	-1342.19	-
9123.41												
		-1.357e+04	-2670.28	1.97e-03	0.0	19.5	-2239.61	-114.12	-34.06	3.45	-2006.23	-
1.135e+04												
						39.0	-2227.66	-114.12	-34.06	3.45	-2670.28	-
1.357e+04												
7	56	-7767.84	1277.04	-1.13e-03	0.0	0.0	-2170.78	-92.91	10.96	-1.70	849.66	-
7767.84												
		-1.139e+04	849.66	1.33e-04	0.0	19.5	-2158.82	-92.91	10.96	-1.70	1063.35	-
9579.56												
						39.0	-2146.87	-92.91	10.96	-1.70	1277.04	-
1.139e+04												
7	59	-9986.05	546.78	-4.25e-04	0.0	0.0	-2214.19	-127.20	2.61	-1.73	444.99	-
9986.05												
		-1.495e+04	444.99	4.80e-04	0.0	19.5	-2202.23	-127.20	2.61	-1.73	495.88	-
1.247e+04												
						39.0	-2190.28	-127.20	2.61	-1.73	546.78	-
1.495e+04												
7	76	-8751.67	3281.52	-8.35e-04	0.0	0.0	-2154.04	-107.96	33.80	-4.95	1963.29	-
8751.67												
		-1.296e+04	1963.29	-7.96e-04	0.0	19.5	-2142.08	-107.96	33.80	-4.95	2622.41	-
1.086e+04												
						39.0	-2130.13	-107.96	33.80	-4.95	3281.52	-
1.296e+04												
7	79	-9002.21	-668.64	-7.16e-04	0.0	0.0	-2230.93	-112.15	-20.23	1.51	-668.64	-
9002.21												
		-1.338e+04	-1457.70	1.41e-03	0.0	19.5	-2218.97	-112.15	-20.23	1.51	-1063.17	-
1.119e+04												
						39.0	-2207.02	-112.15	-20.23	1.51	-1457.70	-
1.338e+04												
7	80	-8876.94	911.91	-7.76e-04	0.0	0.0	-2192.48	-110.05	6.78	-1.72	647.33	-
8876.94												
		-1.317e+04	647.33	3.07e-04	0.0	19.5	-2180.53	-110.05	6.78	-1.72	779.62	-
1.102e+04												
						39.0	-2168.57	-110.05	6.78	-1.72	911.91	-
1.317e+04												
7	81	-8876.94	911.91	-7.76e-04	0.0	0.0	-2192.48	-110.05	6.78	-1.72	647.33	-
8876.94												
		-1.317e+04	647.33	3.07e-04	0.0	19.5	-2180.53	-110.05	6.78	-1.72	779.62	-
1.102e+04												
						39.0	-2168.57	-110.05	6.78	-1.72	911.91	-
1.317e+04												
7	82	-8876.94	911.91	-7.76e-04	0.0	0.0	-2192.48	-110.05	6.78	-1.72	647.33	-
8876.94												
		-1.317e+04	647.33	3.07e-04	0.0	19.5	-2180.53	-110.05	6.78	-1.72	779.62	-
1.102e+04												
						39.0	-2168.57	-110.05	6.78	-1.72	911.91	-
1.317e+04												
8	1	-1.371e+04	3863.05	-3.59e-03	0.0	0.0	-2758.52	-30.03	-351.89	4.05	3863.05	-
1.371e+04												
		-1.509e+04	-1.232e+04	4.98e-04	0.0	23.0	-2740.19	-30.03	-351.89	4.05	-4230.32	-
1.440e+04												
						46.0	-2721.86	-30.03	-351.89	4.05	-1.232e+04	-
1.509e+04												

8	2	-1.054e+04	2971.58	-2.76e-03	0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
1.054e+04												
1.108e+04												
1.161e+04												
8	11	-1.054e+04	2971.58	-2.76e-03	0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
1.054e+04												
1.108e+04												
1.161e+04												
8	24	-7783.85	3467.38	-3.08e-03	0.0	0.0	-2105.91	-65.88	-280.86	3.04	3467.38	-
7783.85												
9298.99												
1.081e+04												
8	27	-1.240e+04	2475.78	-2.43e-03	0.0	0.0	-2137.97	19.67	-260.50	3.20	2475.78	-
1.330e+04												
1.285e+04												
1.240e+04												
8	40	-1.023e+04	5902.44	-2.83e-03	0.0	0.0	-2089.75	-28.00	-330.86	4.17	5902.44	-
1.023e+04												
1.087e+04												
1.152e+04												
8	43	-1.086e+04	40.72	-2.69e-03	0.0	0.0	-2154.13	-18.21	-210.50	2.07	40.72	-
1.086e+04												
1.128e+04												
1.169e+04												
8	44	-1.018e+04	5980.67	-2.84e-03	0.0	0.0	-2089.81	-28.78	-332.46	4.13	5980.67	-
1.018e+04												
1.084e+04												
1.150e+04												
8	47	-1.091e+04	-37.51	-2.68e-03	0.0	0.0	-2154.06	-17.42	-208.90	2.11	-37.51	-
1.091e+04												
1.131e+04												
1.171e+04												
8	56	-8929.28	3278.62	-2.95e-03	0.0	0.0	-2112.42	-48.12	-276.98	3.08	3278.62	-
8929.28												
1.004e+04												
1.114e+04												
8	59	-1.207e+04	2664.54	-2.57e-03	0.0	0.0	-2131.46	1.92	-264.38	3.16	2664.54	-
1.216e+04												
1.211e+04												
1.207e+04												
8	76	-1.036e+04	4962.17	-2.80e-03	0.0	0.0	-2100.94	-26.00	-311.55	3.79	4962.17	-
1.036e+04												
1.096e+04												
1.155e+04												
8	79	-1.073e+04	980.99	-2.72e-03	0.0	0.0	-2142.94	-20.20	-229.81	2.44	980.99	-
1.073e+04												
1.119e+04												
1.166e+04												
8	80	-1.054e+04	2971.58	-2.76e-03	0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
1.054e+04												
1.108e+04												

1.161e+04					46.0	-2093.74	-23.10	-270.68	3.12	-9479.76	-	
8	81	-1.054e+04	2971.58	-2.76e-03	0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
1.054e+04		-1.161e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	-23.10	-270.68	3.12	-3254.09	-
1.108e+04					46.0	-2093.74	-23.10	-270.68	3.12	-9479.76	-	
1.161e+04					0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
8	82	-1.054e+04	2971.58	-2.76e-03	0.0	0.0	-2121.94	-23.10	-270.68	3.12	2971.58	-
1.054e+04		-1.161e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	-23.10	-270.68	3.12	-3254.09	-
1.108e+04					46.0	-2093.74	-23.10	-270.68	3.12	-9479.76	-	
1.161e+04					0.0	0.0	-2427.48	-684.85	-713.59	-5.18	-1.228e+04	-
9	1	-1.389e+04	-1.228e+04	-2.15e-03	0.0	0.0	-2427.48	-684.85	-713.59	-5.18	-1.228e+04	-
1.389e+04		-2.622e+04	-2.513e+04	-1.20e-03	0.0	9.0	-2420.31	-684.85	-713.59	-5.18	-1.870e+04	-
2.005e+04					18.0	-2413.14	-684.85	-713.59	-5.18	-2.513e+04	-	
2.622e+04					0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
9	2	-1.069e+04	-9447.24	-1.66e-03	0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
1.069e+04		-2.017e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	-526.81	-548.92	-3.99	-1.439e+04	-
1.543e+04					18.0	-1856.26	-526.81	-548.92	-3.99	-1.933e+04	-	
2.017e+04					0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
9	11	-1.069e+04	-9447.24	-1.66e-03	0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
1.069e+04		-2.017e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	-526.81	-548.92	-3.99	-1.439e+04	-
1.543e+04					18.0	-1856.26	-526.81	-548.92	-3.99	-1.933e+04	-	
2.017e+04					0.0	0.0	-1863.39	-547.23	-544.86	-4.30	-9470.84	-
9	24	-1.005e+04	-9470.84	-1.73e-03	0.0	0.0	-1863.39	-547.23	-544.86	-4.30	-9470.84	-
1.005e+04		-1.990e+04	-1.928e+04	-9.57e-04	0.0	9.0	-1857.87	-547.23	-544.86	-4.30	-1.437e+04	-
1.498e+04					18.0	-1852.35	-547.23	-544.86	-4.30	-1.928e+04	-	
1.990e+04					0.0	0.0	-1871.20	-506.39	-552.98	-3.68	-9423.64	-
9	27	-1.132e+04	-9423.64	-1.59e-03	0.0	0.0	-1871.20	-506.39	-552.98	-3.68	-9423.64	-
1.132e+04		-2.044e+04	-1.938e+04	-8.85e-04	0.0	9.0	-1865.69	-506.39	-552.98	-3.68	-1.440e+04	-
1.588e+04					18.0	-1860.17	-506.39	-552.98	-3.68	-1.938e+04	-	
2.044e+04					0.0	0.0	-1861.06	-527.01	-525.68	-4.42	-9581.46	-
9	40	-1.062e+04	-9581.46	-1.68e-03	0.0	0.0	-1861.06	-527.01	-525.68	-4.42	-9581.46	-
1.062e+04		-2.005e+04	-1.904e+04	-1.12e-03	0.0	9.0	-1855.55	-527.01	-525.68	-4.42	-1.431e+04	-
1.533e+04					18.0	-1850.03	-527.01	-525.68	-4.42	-1.904e+04	-	
2.005e+04					0.0	0.0	-1873.53	-526.60	-572.15	-3.56	-9313.03	-
9	43	-1.075e+04	-9313.03	-1.64e-03	0.0	0.0	-1873.53	-526.60	-572.15	-3.56	-9313.03	-
1.075e+04		-2.028e+04	-1.961e+04	-7.23e-04	0.0	9.0	-1868.01	-526.60	-572.15	-3.56	-1.446e+04	-
1.552e+04					18.0	-1862.49	-526.60	-572.15	-3.56	-1.961e+04	-	
2.028e+04					0.0	0.0	-1873.34	-525.97	-572.74	-3.52	-9309.50	-
9	47	-1.077e+04	-9309.50	-1.63e-03	0.0	0.0	-1873.34	-525.97	-572.74	-3.52	-9309.50	-
1.077e+04		-2.028e+04	-1.962e+04	-7.19e-04	0.0	9.0	-1867.83	-525.97	-572.74	-3.52	-1.446e+04	-
1.552e+04					18.0	-1862.31	-525.97	-572.74	-3.52	-1.962e+04	-	
2.028e+04					0.0	0.0	-1864.98	-538.75	-546.38	-4.17	-9461.99	-
9	56	-1.032e+04	-9461.99	-1.70e-03	0.0	0.0	-1864.98	-538.75	-546.38	-4.17	-9461.99	-
1.032e+04		-2.001e+04	-1.930e+04	-9.44e-04	0.0	9.0	-1859.47	-538.75	-546.38	-4.17	-1.438e+04	-
1.516e+04					18.0	-1853.95	-538.75	-546.38	-4.17	-1.930e+04	-	
2.001e+04					0.0	0.0	-1869.60	-514.87	-551.46	-3.80	-9432.49	-
9	59	-1.105e+04	-9432.49	-1.62e-03	0.0	0.0	-1869.60	-514.87	-551.46	-3.80	-9432.49	-
1.105e+04		-2.032e+04	-1.936e+04	-8.98e-04	0.0	9.0	-1864.09	-514.87	-551.46	-3.80	-1.440e+04	-
1.569e+04					18.0	-1858.57	-514.87	-551.46	-3.80	-1.936e+04	-	
2.032e+04					0.0	0.0	-1863.28	-526.45	-533.50	-4.27	-9536.32	-
9	72	-1.065e+04	-9536.32	-1.67e-03	0.0	0.0	-1863.28	-526.45	-533.50	-4.27	-9536.32	-
1.065e+04												

1.538e+04		-2.010e+04	-1.914e+04	-1.05e-03	0.0	9.0	-1857.76	-526.45	-533.50	-4.27	-1.434e+04	-	
						18.0	-1852.24	-526.45	-533.50	-4.27	-1.914e+04	-	
2.010e+04	9	75	-1.072e+04	-9358.16	-1.65e-03	0.0	0.0	-1871.31	-527.16	-564.34	-3.71	-9358.16	-
1.072e+04													
1.547e+04			-2.023e+04	-1.952e+04	-7.90e-04	0.0	9.0	-1865.79	-527.16	-564.34	-3.71	-1.444e+04	-
						18.0	-1860.28	-527.16	-564.34	-3.71	-1.952e+04	-	
2.023e+04	9	79	-1.073e+04	-9356.00	-1.64e-03	0.0	0.0	-1871.23	-526.69	-564.70	-3.69	-9356.00	-
1.073e+04													
1.548e+04			-2.024e+04	-1.952e+04	-7.87e-04	0.0	9.0	-1865.71	-526.69	-564.70	-3.69	-1.444e+04	-
						18.0	-1860.19	-526.69	-564.70	-3.69	-1.952e+04	-	
2.024e+04	9	80	-1.069e+04	-9447.24	-1.66e-03	0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
1.069e+04													
1.543e+04			-2.017e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	-526.81	-548.92	-3.99	-1.439e+04	-
						18.0	-1856.26	-526.81	-548.92	-3.99	-1.933e+04	-	
2.017e+04	9	81	-1.069e+04	-9447.24	-1.66e-03	0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
1.069e+04													
1.543e+04			-2.017e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	-526.81	-548.92	-3.99	-1.439e+04	-
						18.0	-1856.26	-526.81	-548.92	-3.99	-1.933e+04	-	
2.017e+04	9	82	-1.069e+04	-9447.24	-1.66e-03	0.0	0.0	-1867.29	-526.81	-548.92	-3.99	-9447.24	-
1.069e+04													
1.543e+04			-2.017e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	-526.81	-548.92	-3.99	-1.439e+04	-
						18.0	-1856.26	-526.81	-548.92	-3.99	-1.933e+04	-	
2.017e+04	10	1	-1.154e+04	-841.52	-1.01e-03	0.0	0.0	-2850.23	-143.07	-8.82	2.23	-841.52	-
1.154e+04													
1.433e+04			-1.712e+04	-1185.48	-3.99e-04	0.0	19.5	-2834.68	-143.07	-8.82	2.23	-1013.50	-
						39.0	-2819.14	-143.07	-8.82	2.23	-1185.48	-	
1.712e+04	10	2	-8876.94	-647.33	-7.76e-04	0.0	0.0	-2192.48	-110.05	-6.78	1.72	-647.33	-
8876.94													
1.102e+04			-1.317e+04	-911.91	-3.07e-04	0.0	19.5	-2180.53	-110.05	-6.78	1.72	-779.62	-
						39.0	-2168.57	-110.05	-6.78	1.72	-911.91	-	
1.317e+04	10	11	-8876.94	-647.33	-7.76e-04	0.0	0.0	-2192.48	-110.05	-6.78	1.72	-647.33	-
8876.94													
1.102e+04			-1.317e+04	-911.91	-3.07e-04	0.0	19.5	-2180.53	-110.05	-6.78	1.72	-779.62	-
						39.0	-2168.57	-110.05	-6.78	1.72	-911.91	-	
1.317e+04	10	25	-6738.88	-773.62	-1.45e-03	0.0	0.0	-2151.09	-77.05	-9.49	-1.94	-773.62	-
6738.88													
8241.32			-9743.76	-1143.84	-1.88e-04	0.0	19.5	-2139.13	-77.05	-9.49	-1.94	-958.73	-
						39.0	-2127.18	-77.05	-9.49	-1.94	-1143.84	-	
9743.76	10	26	-1.102e+04	-521.03	1.67e-04	0.0	0.0	-2233.87	-143.06	-4.08	5.38	-521.03	-
1.102e+04													
1.380e+04			-1.659e+04	-679.98	-4.26e-04	0.0	19.5	-2221.92	-143.06	-4.08	5.38	-600.50	-
						39.0	-2209.96	-143.06	-4.08	5.38	-679.98	-	
1.659e+04	10	44	-7971.23	2670.30	-1.04e-03	0.0	0.0	-2232.27	-96.26	34.06	-3.61	1342.18	-
7971.23													
9848.40			-1.173e+04	1342.18	-1.97e-03	0.0	19.5	-2220.31	-96.26	34.06	-3.61	2006.24	-
						39.0	-2208.36	-96.26	34.06	-3.61	2670.30	-	
1.173e+04	10	45	-8557.81	-2576.61	-9.07e-04	0.0	0.0	-2131.99	-104.88	-46.41	5.73	-2576.61	-
8557.81													
1.060e+04			-1.265e+04	-4386.76	1.31e-03	0.0	19.5	-2120.03	-104.88	-46.41	5.73	-3481.68	-
						39.0	-2108.08	-104.88	-46.41	5.73	-4386.76	-	
1.265e+04													

10	46	-9196.07	2562.94	-6.45e-04	0.0	0.0	-2252.97	-115.23	32.84	-2.29	1281.96	-
9196.07					0.0	19.5	-2241.02	-115.23	32.84	-2.29	1922.45	-
1.144e+04		-1.369e+04	1281.96	-1.92e-03								
						39.0	-2229.06	-115.23	32.84	-2.29	2562.94	-
1.369e+04												
10	47	-9782.65	-2636.83	-5.16e-04	0.0	0.0	-2152.70	-123.84	-47.62	7.04	-2636.83	-
9782.65					0.0	19.5	-2140.74	-123.84	-47.62	7.04	-3565.47	-
1.220e+04		-1.461e+04	-4494.11	1.36e-03								
						39.0	-2128.79	-123.84	-47.62	7.04	-4494.11	-
1.461e+04												
10	57	-7625.74	-727.27	-1.17e-03	0.0	0.0	-2168.08	-90.75	-8.50	-0.52	-727.27	-
7625.74					0.0	19.5	-2156.12	-90.75	-8.50	-0.52	-893.00	-
9395.31		-1.116e+04	-1058.72	-2.31e-04								
						39.0	-2144.17	-90.75	-8.50	-0.52	-1058.72	-
1.116e+04												
10	58	-1.013e+04	-567.38	-3.84e-04	0.0	0.0	-2216.89	-129.36	-5.07	3.96	-567.38	-
1.013e+04					0.0	19.5	-2204.93	-129.36	-5.07	3.96	-666.24	-
1.265e+04		-1.517e+04	-765.10	-3.82e-04								
						39.0	-2192.98	-129.36	-5.07	3.96	-765.10	-
1.517e+04												
10	76	-8332.19	1457.71	-9.32e-04	0.0	0.0	-2219.70	-101.76	20.23	-1.60	668.63	-
8332.19					0.0	19.5	-2207.74	-101.76	20.23	-1.60	1063.17	-
1.032e+04		-1.230e+04	668.63	-1.41e-03								
						39.0	-2195.79	-101.76	20.23	-1.60	1457.71	-
1.230e+04												
10	77	-8709.07	-1926.57	-8.48e-04	0.0	0.0	-2153.23	-107.31	-33.06	4.28	-1926.57	-
8709.07					0.0	19.5	-2141.28	-107.31	-33.06	4.28	-2571.30	-
1.080e+04		-1.289e+04	-3216.03	7.66e-04								
						39.0	-2129.32	-107.31	-33.06	4.28	-3216.03	-
1.289e+04												
10	78	-9044.81	1392.21	-7.04e-04	0.0	0.0	-2231.73	-112.80	19.49	-0.85	631.92	-
9044.81					0.0	19.5	-2219.78	-112.80	19.49	-0.85	1012.06	-
1.124e+04		-1.344e+04	631.92	-1.38e-03								
						39.0	-2207.82	-112.80	19.49	-0.85	1392.21	-
1.344e+04												
10	79	-9421.70	-1963.28	-6.20e-04	0.0	0.0	-2165.26	-118.34	-33.80	5.04	-1963.28	-
9421.70					0.0	19.5	-2153.31	-118.34	-33.80	5.04	-2622.40	-
1.173e+04		-1.404e+04	-3281.53	7.96e-04								
						39.0	-2141.35	-118.34	-33.80	5.04	-3281.53	-
1.404e+04												
10	80	-8876.94	-647.33	-7.76e-04	0.0	0.0	-2192.48	-110.05	-6.78	1.72	-647.33	-
8876.94					0.0	19.5	-2180.53	-110.05	-6.78	1.72	-779.62	-
1.102e+04		-1.317e+04	-911.91	-3.07e-04								
						39.0	-2168.57	-110.05	-6.78	1.72	-911.91	-
1.317e+04												
10	81	-8876.94	-647.33	-7.76e-04	0.0	0.0	-2192.48	-110.05	-6.78	1.72	-647.33	-
8876.94					0.0	19.5	-2180.53	-110.05	-6.78	1.72	-779.62	-
1.102e+04		-1.317e+04	-911.91	-3.07e-04								
						39.0	-2168.57	-110.05	-6.78	1.72	-911.91	-
1.317e+04												
10	82	-8876.94	-647.33	-7.76e-04	0.0	0.0	-2192.48	-110.05	-6.78	1.72	-647.33	-
8876.94					0.0	19.5	-2180.53	-110.05	-6.78	1.72	-779.62	-
1.102e+04		-1.317e+04	-911.91	-3.07e-04								
						39.0	-2168.57	-110.05	-6.78	1.72	-911.91	-
1.317e+04												
11	1	-1.371e+04	1.232e+04	-3.59e-03	0.0	0.0	-2758.52	-30.03	351.89	-4.05	-3863.05	-
1.371e+04					0.0	23.0	-2740.19	-30.03	351.89	-4.05	4230.32	-
1.440e+04		-1.509e+04	-3863.05	-4.98e-04								
						46.0	-2721.86	-30.03	351.89	-4.05	1.232e+04	-
1.509e+04												
11	2	-1.054e+04	9479.76	-2.76e-03	0.0	0.0	-2121.94	-23.10	270.68	-3.12	-2971.58	-
1.054e+04					0.0	23.0	-2107.84	-23.10	270.68	-3.12	3254.09	-
1.108e+04		-1.161e+04	-2971.58	-3.83e-04								

						46.0	-2093.74	-23.10	270.68	-3.12	9479.76	-
1.161e+04												
11	11	-1.054e+04	9479.76	-2.76e-03	0.0	0.0	-2121.94	-23.10	270.68	-3.12	-2971.58	-
1.054e+04												
		-1.161e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	-23.10	270.68	-3.12	3254.09	-
1.108e+04												
						46.0	-2093.74	-23.10	270.68	-3.12	9479.76	-
1.161e+04												
11	25	-7437.37	9468.70	-3.12e-03	0.0	0.0	-2103.45	-71.31	274.70	-3.15	-3167.43	-
7437.37												
		-1.072e+04	-3167.43	-3.31e-04	0.0	23.0	-2089.35	-71.31	274.70	-3.15	3150.63	-
9077.56												
						46.0	-2075.25	-71.31	274.70	-3.15	9468.70	-
1.072e+04												
11	26	-1.250e+04	9490.83	-2.40e-03	0.0	0.0	-2140.43	25.11	266.67	-3.09	-2775.73	-
1.365e+04												
		-1.365e+04	-2775.73	-4.35e-04	0.0	23.0	-2126.32	25.11	266.67	-3.09	3357.55	-
1.307e+04												
						46.0	-2112.22	25.11	266.67	-3.09	9490.83	-
1.250e+04												
11	44	-9231.41	9646.94	-2.88e-03	0.0	0.0	-2146.00	-43.44	208.90	-2.00	37.51	-
9231.41												
		-1.123e+04	37.51	-1.07e-03	0.0	23.0	-2131.90	-43.44	208.90	-2.00	4842.22	-
1.023e+04												
						46.0	-2117.80	-43.44	208.90	-2.00	9646.94	-
1.123e+04												
11	45	-1.008e+04	9317.57	-2.85e-03	0.0	0.0	-2089.08	-30.41	330.61	-4.16	-5890.68	-
1.008e+04												
		-1.147e+04	-5890.68	5.33e-04	0.0	23.0	-2074.98	-30.41	330.61	-4.16	1713.44	-
1.077e+04												
						46.0	-2060.88	-30.41	330.61	-4.16	9317.57	-
1.147e+04												
11	46	-1.101e+04	9641.95	-2.67e-03	0.0	0.0	-2154.79	-15.79	210.75	-2.08	-52.48	-
1.101e+04												
		-1.174e+04	-52.48	-1.05e-03	0.0	23.0	-2140.69	-15.79	210.75	-2.08	4794.74	-
1.138e+04												
						46.0	-2126.59	-15.79	210.75	-2.08	9641.95	-
1.174e+04												
11	47	-1.186e+04	9312.59	-2.63e-03	0.0	0.0	-2097.88	-2.77	332.46	-4.24	-5980.67	-
1.186e+04												
		-1.198e+04	-5980.67	5.55e-04	0.0	23.0	-2083.78	-2.77	332.46	-4.24	1665.96	-
1.192e+04												
						46.0	-2069.67	-2.77	332.46	-4.24	9312.59	-
1.198e+04												
11	57	-8726.14	9472.77	-2.97e-03	0.0	0.0	-2111.01	-51.31	273.22	-3.14	-3095.50	-
8726.14												
		-1.109e+04	-3095.50	-3.50e-04	0.0	23.0	-2096.91	-51.31	273.22	-3.14	3188.64	-
9906.31												
						46.0	-2082.81	-51.31	273.22	-3.14	9472.77	-
1.109e+04												
11	58	-1.213e+04	9486.75	-2.55e-03	0.0	0.0	-2132.86	5.11	268.14	-3.09	-2847.66	-
1.236e+04												
		-1.236e+04	-2847.66	-4.16e-04	0.0	23.0	-2118.76	5.11	268.14	-3.09	3319.55	-
1.224e+04												
						46.0	-2104.66	5.11	268.14	-3.09	9486.75	-
1.213e+04												
11	76	-9754.48	9590.37	-2.83e-03	0.0	0.0	-2138.25	-35.33	229.81	-2.38	-980.99	-
9754.48												
		-1.138e+04	-980.99	-8.27e-04	0.0	23.0	-2124.15	-35.33	229.81	-2.38	4304.69	-
1.057e+04												
						46.0	-2110.05	-35.33	229.81	-2.38	9590.37	-
1.138e+04												
11	77	-1.030e+04	9372.21	-2.81e-03	0.0	0.0	-2100.52	-26.96	310.42	-3.81	-4907.23	-
1.030e+04												
		-1.154e+04	-4907.23	2.73e-04	0.0	23.0	-2086.42	-26.96	310.42	-3.81	2232.49	-
1.092e+04												
						46.0	-2072.32	-26.96	310.42	-3.81	9372.21	-
1.154e+04												
11	78	-1.079e+04	9587.32	-2.71e-03	0.0	0.0	-2143.36	-19.25	230.94	-2.42	-1035.93	-
1.079e+04												
		-1.168e+04	-1035.93	-8.15e-04	0.0	23.0	-2129.26	-19.25	230.94	-2.42	4275.69	-
1.123e+04												
						46.0	-2115.16	-19.25	230.94	-2.42	9587.32	-
1.168e+04												
11	79	-1.133e+04	9369.16	-2.69e-03	0.0	0.0	-2105.63	-10.88	311.55	-3.86	-4962.17	-
1.133e+04												

1.158e+04		-1.183e+04	-4962.17	2.86e-04	0.0	23.0	-2091.53	-10.88	311.55	-3.86	2203.50	-
						46.0	-2077.43	-10.88	311.55	-3.86	9369.16	-
1.183e+04	11	80 -1.054e+04	9479.76	-2.76e-03	0.0	0.0	-2121.94	-23.10	270.68	-3.12	-2971.58	-
1.054e+04												
1.108e+04		-1.161e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	-23.10	270.68	-3.12	3254.09	-
						46.0	-2093.74	-23.10	270.68	-3.12	9479.76	-
1.161e+04	11	81 -1.054e+04	9479.76	-2.76e-03	0.0	0.0	-2121.94	-23.10	270.68	-3.12	-2971.58	-
1.054e+04												
1.108e+04		-1.161e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	-23.10	270.68	-3.12	3254.09	-
						46.0	-2093.74	-23.10	270.68	-3.12	9479.76	-
1.161e+04	11	82 -1.054e+04	9479.76	-2.76e-03	0.0	0.0	-2121.94	-23.10	270.68	-3.12	-2971.58	-
1.054e+04												
1.108e+04		-1.161e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	-23.10	270.68	-3.12	3254.09	-
						46.0	-2093.74	-23.10	270.68	-3.12	9479.76	-
1.161e+04	12	1 -1.389e+04	2.513e+04	-2.15e-03	0.0	0.0	-2427.48	-684.85	713.59	5.18	1.228e+04	-
1.389e+04												
2.005e+04		-2.622e+04	1.228e+04	1.20e-03	0.0	9.0	-2420.31	-684.85	713.59	5.18	1.870e+04	-
						18.0	-2413.14	-684.85	713.59	5.18	2.513e+04	-
2.622e+04	12	2 -1.069e+04	1.933e+04	-1.66e-03	0.0	0.0	-1867.29	-526.81	548.92	3.99	9447.24	-
1.069e+04												
1.543e+04		-2.017e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	-526.81	548.92	3.99	1.439e+04	-
						18.0	-1856.26	-526.81	548.92	3.99	1.933e+04	-
2.017e+04	12	11 -1.069e+04	1.933e+04	-1.66e-03	0.0	0.0	-1867.29	-526.81	548.92	3.99	9447.24	-
1.069e+04												
1.543e+04		-2.017e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	-526.81	548.92	3.99	1.439e+04	-
						18.0	-1856.26	-526.81	548.92	3.99	1.933e+04	-
2.017e+04	12	25 -9974.38	1.930e+04	-1.73e-03	0.0	0.0	-1862.60	-549.04	547.04	4.23	9457.89	-
9974.38												
1.491e+04		-1.985e+04	9457.89	9.38e-04	0.0	9.0	-1857.08	-549.04	547.04	4.23	1.438e+04	-
						18.0	-1851.56	-549.04	547.04	4.23	1.930e+04	-
1.985e+04	12	26 -1.140e+04	1.935e+04	-1.58e-03	0.0	0.0	-1871.99	-504.57	550.80	3.74	9436.60	-
1.140e+04												
1.594e+04		-2.048e+04	9436.60	9.04e-04	0.0	9.0	-1866.47	-504.57	550.80	3.74	1.439e+04	-
						18.0	-1860.95	-504.57	550.80	3.74	1.935e+04	-
2.048e+04	12	44 -1.038e+04	1.962e+04	-1.68e-03	0.0	0.0	-1871.24	-538.06	572.74	3.66	9309.46	-
1.038e+04												
1.525e+04		-2.012e+04	9309.46	7.19e-04	0.0	9.0	-1865.72	-538.06	572.74	3.66	1.446e+04	-
						18.0	-1860.21	-538.06	572.74	3.66	1.962e+04	-
2.012e+04	12	45 -1.058e+04	1.904e+04	-1.68e-03	0.0	0.0	-1861.01	-528.19	525.75	4.43	9581.10	-
1.058e+04												
1.531e+04		-2.004e+04	9581.10	1.12e-03	0.0	9.0	-1855.49	-528.19	525.75	4.43	1.431e+04	-
						18.0	-1849.98	-528.19	525.75	4.43	1.904e+04	-
2.004e+04	12	46 -1.079e+04	1.961e+04	-1.63e-03	0.0	0.0	-1873.58	-525.42	572.08	3.54	9313.39	-
1.079e+04												
1.554e+04		-2.030e+04	9313.39	7.25e-04	0.0	9.0	-1868.06	-525.42	572.08	3.54	1.446e+04	-
						18.0	-1862.54	-525.42	572.08	3.54	1.961e+04	-
2.030e+04	12	57 -1.027e+04	1.931e+04	-1.70e-03	0.0	0.0	-1864.53	-539.81	547.74	4.13	9453.92	-
1.027e+04												
1.513e+04		-1.998e+04	9453.92	9.32e-04	0.0	9.0	-1859.01	-539.81	547.74	4.13	1.438e+04	-
						18.0	-1853.49	-539.81	547.74	4.13	1.931e+04	-
1.998e+04												

12	58	-1.110e+04	1.934e+04	-1.61e-03	0.0	0.0	-1870.06	-513.81	550.10	3.84	9440.56	-
1.110e+04		-2.035e+04	9440.56	9.10e-04	0.0	9.0	-1864.54	-513.81	550.10	3.84	1.439e+04	-
1.573e+04						18.0	-1859.02	-513.81	550.10	3.84	1.934e+04	-
2.035e+04												
12	76	-1.050e+04	1.952e+04	-1.67e-03	0.0	0.0	-1870.01	-533.72	564.70	3.77	9355.97	-
1.050e+04		-2.014e+04	9355.97	7.87e-04	0.0	9.0	-1864.49	-533.72	564.70	3.77	1.444e+04	-
1.532e+04						18.0	-1858.97	-533.72	564.70	3.77	1.952e+04	-
2.014e+04												
12	77	-1.063e+04	1.914e+04	-1.67e-03	0.0	0.0	-1863.22	-527.25	533.55	4.28	9536.06	-
1.063e+04		-2.009e+04	9536.06	1.05e-03	0.0	9.0	-1857.71	-527.25	533.55	4.28	1.434e+04	-
1.536e+04						18.0	-1852.19	-527.25	533.55	4.28	1.914e+04	-
2.009e+04												
12	78	-1.074e+04	1.952e+04	-1.64e-03	0.0	0.0	-1871.36	-526.37	564.29	3.70	9358.42	-
1.074e+04		-2.024e+04	9358.42	7.91e-04	0.0	9.0	-1865.85	-526.37	564.29	3.70	1.444e+04	-
1.549e+04						18.0	-1860.33	-526.37	564.29	3.70	1.952e+04	-
2.024e+04												
12	80	-1.069e+04	1.933e+04	-1.66e-03	0.0	0.0	-1867.29	-526.81	548.92	3.99	9447.24	-
1.069e+04		-2.017e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	-526.81	548.92	3.99	1.439e+04	-
1.543e+04						18.0	-1856.26	-526.81	548.92	3.99	1.933e+04	-
2.017e+04												
12	81	-1.069e+04	1.933e+04	-1.66e-03	0.0	0.0	-1867.29	-526.81	548.92	3.99	9447.24	-
1.069e+04		-2.017e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	-526.81	548.92	3.99	1.439e+04	-
1.543e+04						18.0	-1856.26	-526.81	548.92	3.99	1.933e+04	-
2.017e+04												
12	82	-1.069e+04	1.933e+04	-1.66e-03	0.0	0.0	-1867.29	-526.81	548.92	3.99	9447.24	-
1.069e+04		-2.017e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	-526.81	548.92	3.99	1.439e+04	-
1.543e+04						18.0	-1856.26	-526.81	548.92	3.99	1.933e+04	-
2.017e+04												
13	1	-8497.04	1090.76	-8.82e-04	0.0	0.0	-3642.09	-104.28	7.99	-1.13	779.10	-
8497.04		-1.256e+04	779.10	3.92e-04	0.0	19.5	-3626.54	-104.28	7.99	-1.13	934.93	-
1.053e+04						39.0	-3611.00	-104.28	7.99	-1.13	1090.76	-
1.256e+04												
13	2	-6536.18	839.04	-6.79e-04	0.0	0.0	-2801.61	-80.22	6.15	-0.87	599.31	-
6536.18		-9664.73	599.31	3.01e-04	0.0	19.5	-2789.65	-80.22	6.15	-0.87	719.17	-
8100.45						39.0	-2777.69	-80.22	6.15	-0.87	839.04	-
9664.73												
13	11	-6536.18	839.04	-6.79e-04	0.0	0.0	-2801.61	-80.22	6.15	-0.87	599.31	-
6536.18		-9664.73	599.31	3.01e-04	0.0	19.5	-2789.65	-80.22	6.15	-0.87	719.17	-
8100.45						39.0	-2777.69	-80.22	6.15	-0.87	839.04	-
9664.73												
13	16	-3902.06	1175.00	-1.29e-03	0.0	0.0	-2784.66	-41.18	10.02	2.56	784.15	-
3902.06		-5508.23	784.15	1.36e-04	0.0	19.5	-2772.70	-41.18	10.02	2.56	979.58	-
4705.15						39.0	-2760.75	-41.18	10.02	2.56	1175.00	-
5508.23												
13	19	-9170.30	503.08	1.49e-04	0.0	0.0	-2818.55	-119.25	2.27	-4.30	414.46	-
9170.30		-1.382e+04	414.46	4.67e-04	0.0	19.5	-2806.60	-119.25	2.27	-4.30	458.77	-
1.150e+04						39.0	-2794.64	-119.25	2.27	-4.30	503.08	-
1.382e+04												
13	40	-6159.81	4275.16	-8.02e-04	0.0	0.0	-2748.67	-74.36	45.33	5.38	2507.31	-
6159.81		-9059.92	2507.31	-1.30e-03	0.0	19.5	-2736.72	-74.36	45.33	5.38	3391.23	-
7609.86												

9059.92						39.0	-2724.76	-74.36	45.33	5.38	4275.16	-
13												
5404.36	41	-5404.36	-1368.93	-9.13e-04	0.0	0.0	-2849.29	-63.67	-34.26	-6.23	-1368.93	-
		-7887.55	-2705.03	1.95e-03	0.0	19.5	-2837.34	-63.67	-34.26	-6.23	-2036.98	-
6645.95												
						39.0	-2825.38	-63.67	-34.26	-6.23	-2705.03	-
7887.55												
13	42	-7668.00	4383.12	-4.45e-04	0.0	0.0	-2753.92	-96.77	46.55	4.49	2567.54	-
7668.00		-1.144e+04	2567.54	-1.35e-03	0.0	19.5	-2741.96	-96.77	46.55	4.49	3475.33	-
9554.96												
						39.0	-2730.01	-96.77	46.55	4.49	4383.12	-
1.144e+04												
13	43	-6912.56	-1308.70	-5.56e-04	0.0	0.0	-2854.54	-86.08	-33.04	-7.12	-1308.70	-
6912.56		-1.027e+04	-2597.08	1.90e-03	0.0	19.5	-2842.58	-86.08	-33.04	-7.12	-1952.89	-
8591.05												
						39.0	-2830.62	-86.08	-33.04	-7.12	-2597.08	-
1.027e+04												
13	48	-4994.70	1059.70	-1.04e-03	0.0	0.0	-2791.27	-57.38	8.69	1.27	720.73	-
4994.70		-7232.66	720.73	1.93e-04	0.0	19.5	-2779.31	-57.38	8.69	1.27	890.21	-
6113.68												
						39.0	-2767.36	-57.38	8.69	1.27	1059.70	-
7232.66												
13	51	-8077.66	618.39	-3.22e-04	0.0	0.0	-2811.94	-103.05	3.60	-3.01	477.89	-
8077.66		-1.210e+04	477.89	4.10e-04	0.0	19.5	-2799.99	-103.05	3.60	-3.01	548.14	-
1.009e+04												
						39.0	-2788.03	-103.05	3.60	-3.01	618.39	-
1.210e+04												
13	72	-6340.92	3121.53	-7.47e-04	0.0	0.0	-2766.71	-77.15	32.17	3.00	1866.74	-
6340.92		-9349.82	1866.74	-7.61e-04	0.0	19.5	-2754.76	-77.15	32.17	3.00	2494.14	-
7845.37												
						39.0	-2742.80	-77.15	32.17	3.00	3121.53	-
9349.82												
13	73	-5853.97	-704.27	-8.19e-04	0.0	0.0	-2833.45	-70.25	-20.61	-4.23	-704.27	-
5853.97		-8593.80	-1508.25	1.39e-03	0.0	19.5	-2821.49	-70.25	-20.61	-4.23	-1106.26	-
7223.88												
						39.0	-2809.54	-70.25	-20.61	-4.23	-1508.25	-
8593.80												
13	74	-7218.39	3186.33	-5.39e-04	0.0	0.0	-2769.76	-90.19	32.91	2.49	1902.88	-
7218.39		-1.074e+04	1902.88	-7.90e-04	0.0	19.5	-2757.81	-90.19	32.91	2.49	2544.61	-
8977.03												
						39.0	-2745.85	-90.19	32.91	2.49	3186.33	-
1.074e+04												
13	75	-6731.44	-668.13	-6.11e-04	0.0	0.0	-2836.50	-83.29	-19.88	-4.74	-668.13	-
6731.44		-9979.63	-1443.45	1.36e-03	0.0	19.5	-2824.54	-83.29	-19.88	-4.74	-1055.79	-
8355.54												
						39.0	-2812.59	-83.29	-19.88	-4.74	-1443.45	-
9979.63												
13	80	-6536.18	839.04	-6.79e-04	0.0	0.0	-2801.61	-80.22	6.15	-0.87	599.31	-
6536.18		-9664.73	599.31	3.01e-04	0.0	19.5	-2789.65	-80.22	6.15	-0.87	719.17	-
8100.45												
						39.0	-2777.69	-80.22	6.15	-0.87	839.04	-
9664.73												
13	81	-6536.18	839.04	-6.79e-04	0.0	0.0	-2801.61	-80.22	6.15	-0.87	599.31	-
6536.18		-9664.73	599.31	3.01e-04	0.0	19.5	-2789.65	-80.22	6.15	-0.87	719.17	-
8100.45												
						39.0	-2777.69	-80.22	6.15	-0.87	839.04	-
9664.73												
13	82	-6536.18	839.04	-6.79e-04	0.0	0.0	-2801.61	-80.22	6.15	-0.87	599.31	-
6536.18		-9664.73	599.31	3.01e-04	0.0	19.5	-2789.65	-80.22	6.15	-0.87	719.17	-
8100.45												
						39.0	-2777.69	-80.22	6.15	-0.87	839.04	-
9664.73												
14	1	1115.64	3810.47	-2.51e-03	0.0	0.0	-3779.14	267.00	-349.04	1.19	3810.47	-
1.117e+04												

5025.36			-1.117e+04	-1.225e+04	4.76e-04	0.0	23.0	-3760.81	267.00	-349.04	1.19	-4217.38	-
								46.0	-3742.47	267.00	-349.04	1.19	-1.225e+04
1115.64													
14	2	858.19	2931.13	-1.93e-03	0.0	0.0	-2907.03	205.38	-268.49	0.91	2931.13	-	
8589.51													
3865.66													
858.19													
14	11	858.19	2931.13	-1.93e-03	0.0	0.0	-2907.03	205.38	-268.49	0.91	2931.13	-	
8589.51													
3865.66													
858.19													
14	16	1085.25	3213.86	-2.16e-03	0.0	0.0	-2903.57	132.81	-274.28	0.79	3213.86	-	
5023.82													
1969.29													
1085.25													
14	19	631.13	2648.40	-1.70e-03	0.0	0.0	-2910.49	277.96	-262.70	1.04	2648.40	-	
1.216e+04													
5762.03													
631.13													
14	41	957.47	-25.99	-2.00e-03	0.0	0.0	-2936.71	174.34	-207.71	0.67	-25.99	-	
7062.56													
3052.54													
957.47													
14	42	758.90	5888.24	-1.86e-03	0.0	0.0	-2877.34	236.42	-329.27	1.15	5888.24	-	
1.012e+04													
4678.78													
758.90													
14	45	938.77	53.14	-1.98e-03	0.0	0.0	-2936.81	180.75	-209.34	0.67	53.14	-	
7376.05													
3218.64													
938.77													
14	46	777.60	5809.11	-1.88e-03	0.0	0.0	-2877.25	230.02	-327.64	1.16	5809.11	-	
9802.96													
4512.68													
777.60													
14	48	991.08	3116.71	-2.06e-03	0.0	0.0	-2904.81	162.92	-272.29	0.85	3116.71	-	
6503.03													
2755.98													
991.08													
14	51	725.30	2745.54	-1.79e-03	0.0	0.0	-2909.25	247.85	-264.69	0.98	2745.54	-	
1.068e+04													
4975.34													
725.30													
14	73	918.23	972.54	-1.97e-03	0.0	0.0	-2926.70	186.68	-228.23	0.76	972.54	-	
7669.34													
3375.55													
918.23													
14	74	798.14	4889.71	-1.89e-03	0.0	0.0	-2887.35	224.09	-308.75	1.07	4889.71	-	
9509.68													
4355.77													
798.14													

14	77	906.40	1019.56	-1.96e-03	0.0	0.0	-2926.74	190.71	-229.20	0.76	1019.56	-
7866.48		-7866.48	-9523.83	7.93e-04	0.0	23.0	-2912.64	190.71	-229.20	0.76	-4252.14	-
3480.04						46.0	-2898.54	190.71	-229.20	0.76	-9523.83	
906.40	78	809.98	4842.70	-1.90e-03	0.0	0.0	-2887.32	220.06	-307.78	1.07	4842.70	-
14		-9312.54	-9314.99	-2.93e-04	0.0	23.0	-2873.22	220.06	-307.78	1.07	-2236.15	-
9312.54						46.0	-2859.12	220.06	-307.78	1.07	-9314.99	
4251.28												
809.98	80	858.19	2931.13	-1.93e-03	0.0	0.0	-2907.03	205.38	-268.49	0.91	2931.13	-
14		-8589.51	-9419.41	3.66e-04	0.0	23.0	-2892.93	205.38	-268.49	0.91	-3244.14	-
8589.51						46.0	-2878.83	205.38	-268.49	0.91	-9419.41	
3865.66												
858.19	81	858.19	2931.13	-1.93e-03	0.0	0.0	-2907.03	205.38	-268.49	0.91	2931.13	-
14		-8589.51	-9419.41	3.66e-04	0.0	23.0	-2892.93	205.38	-268.49	0.91	-3244.14	-
8589.51						46.0	-2878.83	205.38	-268.49	0.91	-9419.41	
3865.66												
858.19	82	858.19	2931.13	-1.93e-03	0.0	0.0	-2907.03	205.38	-268.49	0.91	2931.13	-
14		-8589.51	-9419.41	3.66e-04	0.0	23.0	-2892.93	205.38	-268.49	0.91	-3244.14	-
8589.51						46.0	-2878.83	205.38	-268.49	0.91	-9419.41	
3865.66												
858.19	1	2215.62	-1.230e+04	-1.06e-03	0.0	0.0	-3584.45	-13.44	-708.24	-0.46	-1.230e+04	
15		1973.66	-2.504e+04	-1.20e-03	0.0	9.0	-3577.28	-13.44	-708.24	-0.46	-1.867e+04	
2215.62						18.0	-3570.11	-13.44	-708.24	-0.46	-2.504e+04	
2094.64												
1973.66	2	1704.33	-9457.92	-8.12e-04	0.0	0.0	-2757.27	-10.34	-544.80	-0.35	-9457.92	
15		1518.20	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	-10.34	-544.80	-0.35	-1.436e+04	
1704.33						18.0	-2746.24	-10.34	-544.80	-0.35	-1.926e+04	
1611.26												
1518.20	11	1704.33	-9457.92	-8.12e-04	0.0	0.0	-2757.27	-10.34	-544.80	-0.35	-9457.92	
15		1518.20	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	-10.34	-544.80	-0.35	-1.436e+04	
1704.33						18.0	-2746.24	-10.34	-544.80	-0.35	-1.926e+04	
1611.26												
1518.20	16	2087.84	-9472.27	-8.54e-04	0.0	0.0	-2751.72	27.79	-542.30	-0.40	-9472.27	
15		1587.60	-1.923e+04	-9.49e-04	0.0	9.0	-2746.20	27.79	-542.30	-0.40	-1.435e+04	
1587.60						18.0	-2740.69	27.79	-542.30	-0.40	-1.923e+04	
1837.72												
2087.84	19	1821.05	-9443.57	-7.69e-04	0.0	0.0	-2762.82	-48.47	-547.30	-0.30	-9443.57	
15		948.56	-1.929e+04	-9.03e-04	0.0	9.0	-2757.30	-48.47	-547.30	-0.30	-1.437e+04	
1821.05						18.0	-2751.79	-48.47	-547.30	-0.30	-1.929e+04	
1384.80												
948.56	40	1772.94	-9572.10	-8.33e-04	0.0	0.0	-2751.37	6.93	-524.16	-0.94	-9572.10	
15		1648.00	-1.901e+04	-1.12e-03	0.0	9.0	-2745.85	6.93	-524.16	-0.94	-1.429e+04	
1648.00						18.0	-2740.33	6.93	-524.16	-0.94	-1.901e+04	
1710.47												
1772.94	41	1695.16	-9341.19	-8.17e-04	0.0	0.0	-2760.48	-5.99	-565.93	0.27	-9341.19	
15		1587.05	-1.953e+04	-7.25e-04	0.0	9.0	-2754.97	-5.99	-565.93	0.27	-1.443e+04	
1695.16						18.0	-2749.45	-5.99	-565.93	0.27	-1.953e+04	
1641.11												
1587.05	43	1760.65	-9343.75	-7.90e-04	0.0	0.0	-2763.17	-27.61	-565.44	0.24	-9343.75	
15		1263.46	-1.952e+04	-7.31e-04	0.0	9.0	-2757.66	-27.61	-565.44	0.24	-1.443e+04	
1760.65												
1512.05												

1263.46						18.0	-2752.14	-27.61	-565.44	0.24	-1.952e+04	
15	48	1851.92	-9467.24	-8.36e-04	0.0	0.0	-2753.97	12.00	-543.17	-0.38	-9467.24	
1635.87		1635.87	-1.924e+04	-9.41e-04	0.0	9.0	-2748.46	12.00	-543.17	-0.38	-1.436e+04	
1743.89						18.0	-2742.94	12.00	-543.17	-0.38	-1.924e+04	
1851.92												
15	51	1772.79	-9448.61	-7.87e-04	0.0	0.0	-2760.57	-32.68	-546.42	-0.32	-9448.61	
1772.79		1184.47	-1.928e+04	-9.11e-04	0.0	9.0	-2755.05	-32.68	-546.42	-0.32	-1.437e+04	
1478.63												
						18.0	-2749.53	-32.68	-546.42	-0.32	-1.928e+04	
1184.47												
15	72	1670.95	-9533.71	-8.25e-04	0.0	0.0	-2753.47	-0.10	-531.10	-0.73	-9533.71	
1670.95		1669.25	-1.909e+04	-1.06e-03	0.0	9.0	-2747.95	-0.10	-531.10	-0.73	-1.431e+04	
1670.10												
						18.0	-2742.43	-0.10	-531.10	-0.73	-1.909e+04	
1669.25												
15	73	1699.59	-9380.57	-8.15e-04	0.0	0.0	-2759.51	-8.00	-558.80	0.05	-9380.57	
1699.59		1555.42	-1.944e+04	-7.93e-04	0.0	9.0	-2753.99	-8.00	-558.80	0.05	-1.441e+04	
1627.51												
						18.0	-2748.47	-8.00	-558.80	0.05	-1.944e+04	
1555.42												
15	75	1737.70	-9382.14	-7.99e-04	0.0	0.0	-2761.07	-20.58	-558.50	0.03	-9382.14	
1737.70		1367.14	-1.944e+04	-7.96e-04	0.0	9.0	-2755.55	-20.58	-558.50	0.03	-1.441e+04	
1552.42												
						18.0	-2750.04	-20.58	-558.50	0.03	-1.944e+04	
1367.14												
15	80	1704.33	-9457.92	-8.12e-04	0.0	0.0	-2757.27	-10.34	-544.80	-0.35	-9457.92	
1704.33		1518.20	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	-10.34	-544.80	-0.35	-1.436e+04	
1611.26												
						18.0	-2746.24	-10.34	-544.80	-0.35	-1.926e+04	
1518.20												
15	81	1704.33	-9457.92	-8.12e-04	0.0	0.0	-2757.27	-10.34	-544.80	-0.35	-9457.92	
1704.33		1518.20	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	-10.34	-544.80	-0.35	-1.436e+04	
1611.26												
						18.0	-2746.24	-10.34	-544.80	-0.35	-1.926e+04	
1518.20												
15	82	1704.33	-9457.92	-8.12e-04	0.0	0.0	-2757.27	-10.34	-544.80	-0.35	-9457.92	
1704.33		1518.20	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	-10.34	-544.80	-0.35	-1.436e+04	
1611.26												
						18.0	-2746.24	-10.34	-544.80	-0.35	-1.926e+04	
1518.20												
16	1	-8497.04	-779.10	-8.82e-04	0.0	0.0	-3642.09	-104.28	-7.99	1.13	-779.10	-
8497.04		-1.256e+04	-1090.76	-3.92e-04	0.0	19.5	-3626.54	-104.28	-7.99	1.13	-934.93	-
1.053e+04						39.0	-3611.00	-104.28	-7.99	1.13	-1090.76	-
1.256e+04												
16	2	-6536.18	-599.31	-6.79e-04	0.0	0.0	-2801.61	-80.22	-6.15	0.87	-599.31	-
6536.18		-9664.73	-839.04	-3.01e-04	0.0	19.5	-2789.65	-80.22	-6.15	0.87	-719.17	-
8100.45						39.0	-2777.69	-80.22	-6.15	0.87	-839.04	-
9664.73												
16	11	-6536.18	-599.31	-6.79e-04	0.0	0.0	-2801.61	-80.22	-6.15	0.87	-599.31	-
6536.18		-9664.73	-839.04	-3.01e-04	0.0	19.5	-2789.65	-80.22	-6.15	0.87	-719.17	-
8100.45						39.0	-2777.69	-80.22	-6.15	0.87	-839.04	-
9664.73												
16	17	-4187.00	-985.02	-1.23e-03	0.0	0.0	-2787.66	-45.39	-14.10	0.16	-985.02	-
4187.00		-5957.09	-1535.01	7.09e-05	0.0	19.5	-2775.71	-45.39	-14.10	0.16	-1260.01	-
5072.04						39.0	-2763.75	-45.39	-14.10	0.16	-1535.01	-
5957.09												
16	18	-8885.36	-143.08	-1.31e-04	0.0	0.0	-2815.55	-115.05	1.81	1.58	-213.59	-
8885.36												

1.113e+04		-1.337e+04	-213.59	-6.29e-04	0.0	19.5	-2803.59	-115.05	1.81	1.58	-178.33	-
						39.0	-2791.64	-115.05	1.81	1.58	-143.08	-
1.337e+04												
16	41	-6245.33	-2567.57	-7.83e-04	0.0	0.0	-2749.58	-75.62	-46.55	-4.57	-2567.57	-
6245.33												
		-9194.64	-4383.16	1.35e-03	0.0	19.5	-2737.62	-75.62	-46.55	-4.57	-3475.37	-
7719.99												
						39.0	-2725.67	-75.62	-46.55	-4.57	-4383.16	-
9194.64												
16	42	-6827.03	2705.08	-5.75e-04	0.0	0.0	-2853.63	-84.81	34.26	6.31	1368.96	-
6827.03												
		-1.013e+04	1368.96	-1.95e-03	0.0	19.5	-2841.68	-84.81	34.26	6.31	2037.02	-
8480.92												
						39.0	-2829.72	-84.81	34.26	6.31	2705.08	-
1.013e+04												
16	45	-6292.33	-2513.88	-7.71e-04	0.0	0.0	-2749.08	-76.33	-45.47	-5.43	-2513.88	-
6292.33												
		-9269.25	-4287.09	1.30e-03	0.0	19.5	-2737.12	-76.33	-45.47	-5.43	-3400.49	-
7780.79												
						39.0	-2725.17	-76.33	-45.47	-5.43	-4287.09	-
9269.25												
16	46	-6780.03	2609.01	-5.87e-04	0.0	0.0	-2854.13	-84.11	33.17	7.17	1315.27	-
6780.03												
		-1.006e+04	1315.27	-1.91e-03	0.0	19.5	-2842.18	-84.11	33.17	7.17	1962.14	-
8420.12												
						39.0	-2830.22	-84.11	33.17	7.17	2609.01	-
1.006e+04												
16	49	-5161.79	-841.27	-9.99e-04	0.0	0.0	-2792.97	-59.85	-11.14	0.30	-841.27	-
5161.79												
		-7495.85	-1275.79	-9.52e-05	0.0	19.5	-2781.02	-59.85	-11.14	0.30	-1058.53	-
6328.82												
						39.0	-2769.06	-59.85	-11.14	0.30	-1275.79	-
7495.85												
16	50	-7910.57	-357.34	-3.59e-04	0.0	0.0	-2810.24	-100.59	-1.15	1.45	-357.34	-
7910.57												
		-1.183e+04	-402.30	-5.07e-04	0.0	19.5	-2798.28	-100.59	-1.15	1.45	-379.82	-
9872.09												
						39.0	-2786.33	-100.59	-1.15	1.45	-402.30	-
1.183e+04												
16	73	-6391.08	-1902.90	-7.35e-04	0.0	0.0	-2767.23	-77.89	-32.91	-2.53	-1902.90	-
6391.08												
		-9428.83	-3186.36	7.90e-04	0.0	19.5	-2755.27	-77.89	-32.91	-2.53	-2544.63	-
7909.95												
						39.0	-2743.32	-77.89	-32.91	-2.53	-3186.36	-
9428.83												
16	74	-6681.28	1508.28	-6.22e-04	0.0	0.0	-2835.98	-82.55	20.62	4.27	704.29	-
6681.28												
		-9900.63	704.29	-1.39e-03	0.0	19.5	-2824.03	-82.55	20.62	4.27	1106.28	-
8290.96												
						39.0	-2812.07	-82.55	20.62	4.27	1508.28	-
9900.63												
16	77	-6430.87	-1871.05	-7.25e-04	0.0	0.0	-2766.99	-78.49	-32.26	-3.02	-1871.05	-
6430.87												
		-9491.89	-3129.34	7.65e-04	0.0	19.5	-2755.04	-78.49	-32.26	-3.02	-2500.19	-
7961.38												
						39.0	-2743.08	-78.49	-32.26	-3.02	-3129.34	-
9491.89												
16	78	-6641.49	1451.25	-6.32e-04	0.0	0.0	-2836.22	-81.95	19.97	4.76	672.43	-
6641.49												
		-9837.56	672.43	-1.37e-03	0.0	19.5	-2824.26	-81.95	19.97	4.76	1061.84	-
8239.53												
						39.0	-2812.31	-81.95	19.97	4.76	1451.25	-
9837.56												
16	80	-6536.18	-599.31	-6.79e-04	0.0	0.0	-2801.61	-80.22	-6.15	0.87	-599.31	-
6536.18												
		-9664.73	-839.04	-3.01e-04	0.0	19.5	-2789.65	-80.22	-6.15	0.87	-719.17	-
8100.45												
						39.0	-2777.69	-80.22	-6.15	0.87	-839.04	-
9664.73												
16	81	-6536.18	-599.31	-6.79e-04	0.0	0.0	-2801.61	-80.22	-6.15	0.87	-599.31	-
6536.18												
		-9664.73	-839.04	-3.01e-04	0.0	19.5	-2789.65	-80.22	-6.15	0.87	-719.17	-
8100.45												
						39.0	-2777.69	-80.22	-6.15	0.87	-839.04	-
9664.73												

16	82	-6536.18	-599.31	-6.79e-04	0.0	0.0	-2801.61	-80.22	-6.15	0.87	-599.31	-
6536.18												
		-9664.73	-839.04	-3.01e-04	0.0	19.5	-2789.65	-80.22	-6.15	0.87	-719.17	-
8100.45												
						39.0	-2777.69	-80.22	-6.15	0.87	-839.04	-
9664.73												
17	1	1115.64	1.225e+04	-2.51e-03	0.0	0.0	-3779.14	267.00	349.04	-1.19	-3810.47	-
1.117e+04												
		-1.117e+04	-3810.47	-4.76e-04	0.0	23.0	-3760.81	267.00	349.04	-1.19	4217.38	-
5025.36												
						46.0	-3742.47	267.00	349.04	-1.19	1.225e+04	-
1115.64												
17	2	858.19	9419.41	-1.93e-03	0.0	0.0	-2907.03	205.38	268.49	-0.91	-2931.13	-
8589.51												
		-8589.51	-2931.13	-3.66e-04	0.0	23.0	-2892.93	205.38	268.49	-0.91	3244.14	-
3865.66												
						46.0	-2878.83	205.38	268.49	-0.91	9419.41	-
858.19												
17	11	858.19	9419.41	-1.93e-03	0.0	0.0	-2907.03	205.38	268.49	-0.91	-2931.13	-
8589.51												
		-8589.51	-2931.13	-3.66e-04	0.0	23.0	-2892.93	205.38	268.49	-0.91	3244.14	-
3865.66												
						46.0	-2878.83	205.38	268.49	-0.91	9419.41	-
858.19												
17	17	1065.00	9388.05	-2.14e-03	0.0	0.0	-2904.69	140.62	280.42	-0.73	-3511.15	-
5403.38												
		-5403.38	-3511.15	-2.42e-04	0.0	23.0	-2890.59	140.62	280.42	-0.73	2938.45	-
2169.19												
						46.0	-2876.48	140.62	280.42	-0.73	9388.05	-
1065.00												
17	18	651.38	9450.77	-1.72e-03	0.0	0.0	-2909.37	270.15	256.56	-1.09	-2351.10	-
1.178e+04												
		-1.178e+04	-2351.10	-4.98e-04	0.0	23.0	-2895.27	270.15	256.56	-1.09	3549.84	-
5562.13												
						46.0	-2881.17	270.15	256.56	-1.09	9450.77	-
651.38												
17	40	951.39	9576.08	-1.99e-03	0.0	0.0	-2937.04	176.69	209.55	-0.66	-63.20	-
7176.37												
		-7176.37	-63.20	-1.03e-03	0.0	23.0	-2922.94	176.69	209.55	-0.66	4756.44	-
3112.49												
						46.0	-2908.84	176.69	209.55	-0.66	9576.08	-
951.39												
17	41	882.56	9258.24	-2.00e-03	0.0	0.0	-2878.42	197.18	329.27	-1.03	-5888.22	-
8187.63												
		-8187.63	-5888.22	5.72e-04	0.0	23.0	-2864.32	197.18	329.27	-1.03	1685.01	-
3652.53												
						46.0	-2850.22	197.18	329.27	-1.03	9258.24	-
882.56												
17	42	833.82	9580.58	-1.86e-03	0.0	0.0	-2935.64	213.59	207.71	-0.80	25.96	-
8991.39												
		-8991.39	25.96	-1.05e-03	0.0	23.0	-2921.54	213.59	207.71	-0.80	4803.27	-
4078.79												
						46.0	-2907.43	213.59	207.71	-0.80	9580.58	-
833.82												
17	43	764.98	9262.74	-1.87e-03	0.0	0.0	-2877.02	234.08	327.43	-1.17	-5799.05	-
1.000e+04												
		-1.000e+04	-5799.05	5.49e-04	0.0	23.0	-2862.91	234.08	327.43	-1.17	1731.84	-
4618.83												
						46.0	-2848.81	234.08	327.43	-1.17	9262.74	-
764.98												
17	49	979.19	9399.65	-2.05e-03	0.0	0.0	-2905.42	167.50	275.98	-0.81	-3295.30	-
6725.62												
		-6725.62	-3295.30	-2.85e-04	0.0	23.0	-2891.32	167.50	275.98	-0.81	3052.18	-
2873.21												
						46.0	-2877.22	167.50	275.98	-0.81	9399.65	-
979.19												
17	50	737.18	9439.17	-1.81e-03	0.0	0.0	-2908.63	243.27	261.00	-1.01	-2566.96	-
1.045e+04												
		-1.045e+04	-2566.96	-4.49e-04	0.0	23.0	-2894.53	243.27	261.00	-1.01	3436.11	-
4858.11												
						46.0	-2880.43	243.27	261.00	-1.01	9439.17	-
737.18												
17	72	914.67	9523.46	-1.96e-03	0.0	0.0	-2926.88	188.06	229.34	-0.75	-1026.12	-
7736.08												
		-7736.08	-1026.12	-7.92e-04	0.0	23.0	-2912.78	188.06	229.34	-0.75	4248.67	-
3410.71												

						46.0	-2898.68	188.06	229.34	-0.75	9523.46	
914.67												
17	73	870.05	9312.64	-1.97e-03	0.0	0.0	-2888.00	201.26	308.75	-0.99	-4889.70	-
8388.02		-8388.02	-4889.70	3.05e-04	0.0	23.0	-2873.90	201.26	308.75	-0.99	2211.47	-
3758.98												
						46.0	-2859.80	201.26	308.75	-0.99	9312.64	
870.05												
17	74	846.32	9526.18	-1.89e-03	0.0	0.0	-2926.06	209.50	228.23	-0.83	-972.56	-
8791.00		-8791.00	-972.56	-8.04e-04	0.0	23.0	-2911.96	209.50	228.23	-0.83	4276.81	-
3972.34												
						46.0	-2897.86	209.50	228.23	-0.83	9526.18	
846.32												
17	75	801.71	9315.36	-1.89e-03	0.0	0.0	-2887.17	222.71	307.64	-1.08	-4836.14	-
9442.94		-9442.94	-4836.14	2.91e-04	0.0	23.0	-2873.07	222.71	307.64	-1.08	2239.61	-
4320.61												
						46.0	-2858.97	222.71	307.64	-1.08	9315.36	
801.71												
17	80	858.19	9419.41	-1.93e-03	0.0	0.0	-2907.03	205.38	268.49	-0.91	-2931.13	-
8589.51		-8589.51	-2931.13	-3.66e-04	0.0	23.0	-2892.93	205.38	268.49	-0.91	3244.14	-
3865.66												
						46.0	-2878.83	205.38	268.49	-0.91	9419.41	
858.19												
17	81	858.19	9419.41	-1.93e-03	0.0	0.0	-2907.03	205.38	268.49	-0.91	-2931.13	-
8589.51		-8589.51	-2931.13	-3.66e-04	0.0	23.0	-2892.93	205.38	268.49	-0.91	3244.14	-
3865.66												
						46.0	-2878.83	205.38	268.49	-0.91	9419.41	
858.19												
17	82	858.19	9419.41	-1.93e-03	0.0	0.0	-2907.03	205.38	268.49	-0.91	-2931.13	-
8589.51		-8589.51	-2931.13	-3.66e-04	0.0	23.0	-2892.93	205.38	268.49	-0.91	3244.14	-
3865.66												
						46.0	-2878.83	205.38	268.49	-0.91	9419.41	
858.19												
18	1	2215.62	2.504e+04	-1.06e-03	0.0	0.0	-3584.45	-13.44	708.24	0.46	1.230e+04	
2215.62												
		1973.66	1.230e+04	1.20e-03	0.0	9.0	-3577.28	-13.44	708.24	0.46	1.867e+04	
2094.64												
						18.0	-3570.11	-13.44	708.24	0.46	2.504e+04	
1973.66												
18	2	1704.33	1.926e+04	-8.12e-04	0.0	0.0	-2757.27	-10.34	544.80	0.35	9457.92	
1704.33												
		1518.20	9457.92	9.26e-04	0.0	9.0	-2751.75	-10.34	544.80	0.35	1.436e+04	
1611.26												
						18.0	-2746.24	-10.34	544.80	0.35	1.926e+04	
1518.20												
18	11	1704.33	1.926e+04	-8.12e-04	0.0	0.0	-2757.27	-10.34	544.80	0.35	9457.92	
1704.33												
		1518.20	9457.92	9.26e-04	0.0	9.0	-2751.75	-10.34	544.80	0.35	1.436e+04	
1611.26												
						18.0	-2746.24	-10.34	544.80	0.35	1.926e+04	
1518.20												
18	17	2028.58	1.921e+04	-8.51e-04	0.0	0.0	-2752.20	24.01	540.66	0.29	9480.73	
1596.35												
		1596.35	9480.73	9.68e-04	0.0	9.0	-2746.69	24.01	540.66	0.29	1.435e+04	
1812.46												
						18.0	-2741.17	24.01	540.66	0.29	1.921e+04	
2028.58												
18	18	1812.30	1.932e+04	-7.73e-04	0.0	0.0	-2762.34	-44.69	548.93	0.41	9435.11	
1812.30												
		1007.82	9435.11	8.85e-04	0.0	9.0	-2756.82	-44.69	548.93	0.41	1.438e+04	
1410.06												
						18.0	-2751.30	-44.69	548.93	0.41	1.932e+04	
1007.82												
18	41	1755.13	1.900e+04	-8.32e-04	0.0	0.0	-2751.52	5.79	523.67	0.90	9574.64	
1650.63												
		1650.63	9574.64	1.13e-03	0.0	9.0	-2746.00	5.79	523.67	0.90	1.429e+04	
1702.88												
						18.0	-2740.48	5.79	523.67	0.90	1.900e+04	
1755.13												
18	42	1758.02	1.953e+04	-7.91e-04	0.0	0.0	-2763.03	-26.47	565.93	-0.20	9341.21	
1758.02												

1519.64		1281.27	9341.21	7.25e-04	0.0	9.0	-2757.51	-26.47	565.93	-0.20	1.443e+04	
						18.0	-2751.99	-26.47	565.93	-0.20	1.953e+04	
1281.27	49	1817.08	1.923e+04	-8.34e-04	0.0	0.0	-2754.25	9.78	542.17	0.32	9472.46	
1641.04		1641.04	9472.46	9.53e-04	0.0	9.0	-2748.74	9.78	542.17	0.32	1.435e+04	
1729.06						18.0	-2743.22	9.78	542.17	0.32	1.923e+04	
1817.08	50	1767.62	1.930e+04	-7.89e-04	0.0	0.0	-2760.29	-30.46	547.42	0.38	9443.39	
1767.62		1219.32	9443.39	9.00e-04	0.0	9.0	-2754.77	-30.46	547.42	0.38	1.437e+04	
1493.47						18.0	-2749.25	-30.46	547.42	0.38	1.930e+04	
1219.32	73	1672.51	1.909e+04	-8.24e-04	0.0	0.0	-2753.56	-0.77	530.79	0.71	9535.27	
1672.51		1658.78	9535.27	1.06e-03	0.0	9.0	-2748.04	-0.77	530.79	0.71	1.431e+04	
1665.64						18.0	-2742.52	-0.77	530.79	0.71	1.909e+04	
1658.78	74	1736.14	1.944e+04	-7.99e-04	0.0	0.0	-2760.99	-19.91	558.80	-8.46e-03	9380.57	
1736.14		1377.62	9380.57	7.93e-04	0.0	9.0	-2755.47	-19.91	558.80	-8.46e-03	1.441e+04	
1556.88						18.0	-2749.95	-19.91	558.80	-8.46e-03	1.944e+04	
1377.62	80	1704.33	1.926e+04	-8.12e-04	0.0	0.0	-2757.27	-10.34	544.80	0.35	9457.92	
1704.33		1518.20	9457.92	9.26e-04	0.0	9.0	-2751.75	-10.34	544.80	0.35	1.436e+04	
1611.26						18.0	-2746.24	-10.34	544.80	0.35	1.926e+04	
1518.20	81	1704.33	1.926e+04	-8.12e-04	0.0	0.0	-2757.27	-10.34	544.80	0.35	9457.92	
1704.33		1518.20	9457.92	9.26e-04	0.0	9.0	-2751.75	-10.34	544.80	0.35	1.436e+04	
1611.26						18.0	-2746.24	-10.34	544.80	0.35	1.926e+04	
1518.20	82	1704.33	1.926e+04	-8.12e-04	0.0	0.0	-2757.27	-10.34	544.80	0.35	9457.92	
1704.33		1518.20	9457.92	9.26e-04	0.0	9.0	-2751.75	-10.34	544.80	0.35	1.436e+04	
1611.26						18.0	-2746.24	-10.34	544.80	0.35	1.926e+04	
1518.20	1	-8497.05	1091.27	-8.82e-04	0.0	0.0	-3642.36	-104.29	7.99	-1.13	779.47	-
8497.05		-1.256e+04	779.47	3.92e-04	0.0	19.5	-3626.82	-104.29	7.99	-1.13	935.37	-
1.053e+04						39.0	-3611.28	-104.29	7.99	-1.13	1091.27	-
1.256e+04	2	-6536.19	839.44	-6.79e-04	0.0	0.0	-2801.82	-80.22	6.15	-0.87	599.59	-
6536.19		-9664.75	599.59	3.01e-04	0.0	19.5	-2789.86	-80.22	6.15	-0.87	719.52	-
8100.47						39.0	-2777.91	-80.22	6.15	-0.87	839.44	-
9664.75	11	-6536.19	839.44	-6.79e-04	0.0	0.0	-2801.82	-80.22	6.15	-0.87	599.59	-
6536.19		-9664.75	599.59	3.01e-04	0.0	19.5	-2789.86	-80.22	6.15	-0.87	719.52	-
8100.47						39.0	-2777.91	-80.22	6.15	-0.87	839.44	-
9664.75	24	-4186.95	1532.04	-1.23e-03	0.0	0.0	-2788.00	-45.38	14.07	-0.16	983.30	-
4186.95		-5956.96	983.30	-7.02e-05	0.0	19.5	-2776.04	-45.38	14.07	-0.16	1257.67	-
5071.96						39.0	-2764.09	-45.38	14.07	-0.16	1532.04	-
5956.96	27	-8885.43	215.88	-1.30e-04	0.0	0.0	-2815.63	-115.05	-1.77	-1.58	215.88	-
8885.43		-1.337e+04	146.83	6.28e-04	0.0	19.5	-2803.68	-115.05	-1.77	-1.58	181.36	-
1.113e+04						39.0	-2791.72	-115.05	-1.77	-1.58	146.83	-
1.337e+04												

19	40	-6292.27	4288.20	-7.71e-04	0.0	0.0	-2749.28	-76.33	45.48	5.42	2514.60	-
6292.27		-9269.16	2514.60	-1.30e-03	0.0	19.5	-2737.33	-76.33	45.48	5.42	3401.40	-
7780.71												
						39.0	-2725.37	-76.33	45.48	5.42	4288.20	-
9269.16												
19	43	-6780.12	-1315.42	-5.87e-04	0.0	0.0	-2854.35	-84.11	-33.18	-7.16	-1315.42	-
6780.12		-1.006e+04	-2609.32	1.91e-03	0.0	19.5	-2842.39	-84.11	-33.18	-7.16	-1962.37	-
8420.23												
						39.0	-2830.44	-84.11	-33.18	-7.16	-2609.32	-
1.006e+04												
19	44	-6245.49	4383.30	-7.83e-04	0.0	0.0	-2749.83	-75.63	46.55	4.56	2567.70	-
6245.49		-9194.88	2567.70	-1.35e-03	0.0	19.5	-2737.87	-75.63	46.55	4.56	3475.50	-
7720.18												
						39.0	-2725.92	-75.63	46.55	4.56	4383.30	-
9194.88												
19	47	-6826.90	-1368.52	-5.75e-04	0.0	0.0	-2853.80	-84.81	-34.25	-6.31	-1368.52	-
6826.90		-1.013e+04	-2704.43	1.95e-03	0.0	19.5	-2841.85	-84.81	-34.25	-6.31	-2036.47	-
8480.76												
						39.0	-2829.89	-84.81	-34.25	-6.31	-2704.43	-
1.013e+04												
19	56	-5161.77	1274.33	-9.99e-04	0.0	0.0	-2793.26	-59.85	11.13	-0.30	840.45	-
5161.77		-7495.78	840.45	9.58e-05	0.0	19.5	-2781.30	-59.85	11.13	-0.30	1057.39	-
6328.77												
						39.0	-2769.35	-59.85	11.13	-0.30	1274.33	-
7495.78												
19	59	-7910.62	404.54	-3.59e-04	0.0	0.0	-2810.38	-100.59	1.17	-1.45	358.73	-
7910.62		-1.183e+04	358.73	5.07e-04	0.0	19.5	-2798.42	-100.59	1.17	-1.45	381.64	-
9872.17												
						39.0	-2786.46	-100.59	1.17	-1.45	404.54	-
1.183e+04												
19	72	-6430.81	3130.18	-7.25e-04	0.0	0.0	-2767.20	-78.49	32.27	3.02	1871.60	-
6430.81		-9491.80	1871.60	-7.65e-04	0.0	19.5	-2755.24	-78.49	32.27	3.02	2500.89	-
7961.31												
						39.0	-2743.29	-78.49	32.27	3.02	3130.18	-
9491.80												
19	75	-6641.57	-672.42	-6.32e-04	0.0	0.0	-2836.43	-81.95	-19.97	-4.76	-672.42	-
6641.57		-9837.69	-1451.30	1.37e-03	0.0	19.5	-2824.48	-81.95	-19.97	-4.76	-1061.86	-
8239.63												
						39.0	-2812.52	-81.95	-19.97	-4.76	-1451.30	-
9837.69												
19	76	-6391.14	3186.67	-7.35e-04	0.0	0.0	-2767.46	-77.89	32.91	2.53	1903.14	-
6391.14		-9428.92	1903.14	-7.90e-04	0.0	19.5	-2755.51	-77.89	32.91	2.53	2544.90	-
7910.03												
						39.0	-2743.55	-77.89	32.91	2.53	3186.67	-
9428.92												
19	79	-6681.24	-703.95	-6.22e-04	0.0	0.0	-2836.17	-82.55	-20.61	-4.27	-703.95	-
6681.24		-9900.57	-1507.79	1.39e-03	0.0	19.5	-2824.22	-82.55	-20.61	-4.27	-1105.87	-
8290.91												
						39.0	-2812.26	-82.55	-20.61	-4.27	-1507.79	-
9900.57												
19	80	-6536.19	839.44	-6.79e-04	0.0	0.0	-2801.82	-80.22	6.15	-0.87	599.59	-
6536.19		-9664.75	599.59	3.01e-04	0.0	19.5	-2789.86	-80.22	6.15	-0.87	719.52	-
8100.47												
						39.0	-2777.91	-80.22	6.15	-0.87	839.44	-
9664.75												
19	81	-6536.19	839.44	-6.79e-04	0.0	0.0	-2801.82	-80.22	6.15	-0.87	599.59	-
6536.19		-9664.75	599.59	3.01e-04	0.0	19.5	-2789.86	-80.22	6.15	-0.87	719.52	-
8100.47												
						39.0	-2777.91	-80.22	6.15	-0.87	839.44	-
9664.75												
19	82	-6536.19	839.44	-6.79e-04	0.0	0.0	-2801.82	-80.22	6.15	-0.87	599.59	-
6536.19		-9664.75	599.59	3.01e-04	0.0	19.5	-2789.86	-80.22	6.15	-0.87	719.52	-
8100.47												

9664.75						39.0	-2777.91	-80.22	6.15	-0.87	839.44	-
20	1	1115.64	3811.85	-2.51e-03	0.0	0.0	-3779.42	267.00	-349.20	1.19	3811.85	-
1.117e+04		-1.117e+04	-1.225e+04	4.76e-04	0.0	23.0	-3761.09	267.00	-349.20	1.19	-4219.78	-
5025.37						46.0	-3742.76	267.00	-349.20	1.19	-1.225e+04	-
1115.64												
20	2	858.18	2932.19	-1.93e-03	0.0	0.0	-2907.25	205.38	-268.62	0.91	2932.19	-
8589.53		-8589.53	-9424.16	3.66e-04	0.0	23.0	-2893.15	205.38	-268.62	0.91	-3245.98	-
3865.67						46.0	-2879.04	205.38	-268.62	0.91	-9424.16	-
858.18												
20	11	858.18	2932.19	-1.93e-03	0.0	0.0	-2907.25	205.38	-268.62	0.91	2932.19	-
8589.53		-8589.53	-9424.16	3.66e-04	0.0	23.0	-2893.15	205.38	-268.62	0.91	-3245.98	-
3865.67						46.0	-2879.04	205.38	-268.62	0.91	-9424.16	-
858.18												
20	24	1065.18	3509.59	-2.14e-03	0.0	0.0	-2905.02	140.62	-280.49	0.73	3509.59	-
5403.20		-5403.20	-9392.87	2.42e-04	0.0	23.0	-2890.92	140.62	-280.49	0.73	-2941.64	-
2169.01						46.0	-2876.82	140.62	-280.49	0.73	-9392.87	-
1065.18												
20	27	651.18	2354.79	-1.72e-03	0.0	0.0	-2909.48	270.15	-256.74	1.09	2354.79	-
1.178e+04		-1.178e+04	-9455.46	4.99e-04	0.0	23.0	-2895.37	270.15	-256.74	1.09	-3550.33	-
5562.34						46.0	-2881.27	270.15	-256.74	1.09	-9455.46	-
651.18												
20	44	882.59	5889.15	-2.00e-03	0.0	0.0	-2878.67	197.19	-329.39	1.03	5889.15	-
8187.81		-8187.81	-9262.90	-5.71e-04	0.0	23.0	-2864.57	197.19	-329.39	1.03	-1686.87	-
3652.61						46.0	-2850.47	197.19	-329.39	1.03	-9262.90	-
882.59												
20	45	951.46	62.89	-1.99e-03	0.0	0.0	-2937.30	176.68	-209.65	0.66	62.89	-
7176.19		-7176.19	-9580.97	1.03e-03	0.0	23.0	-2923.20	176.68	-209.65	0.66	-4759.04	-
3112.37						46.0	-2909.10	176.68	-209.65	0.66	-9580.97	-
951.46												
20	46	764.90	5801.50	-1.87e-03	0.0	0.0	-2877.19	234.09	-327.58	1.17	5801.50	-
1.000e+04		-1.000e+04	-9267.35	-5.49e-04	0.0	23.0	-2863.09	234.09	-327.58	1.17	-1732.93	-
4618.98						46.0	-2848.99	234.09	-327.58	1.17	-9267.35	-
764.90												
20	47	833.78	-24.77	-1.86e-03	0.0	0.0	-2935.82	213.58	-207.84	0.80	-24.77	-
8991.25		-8991.25	-9585.43	1.05e-03	0.0	23.0	-2921.72	213.58	-207.84	0.80	-4805.10	-
4078.74						46.0	-2907.62	213.58	-207.84	0.80	-9585.43	-
833.78												
20	56	979.29	3294.92	-2.05e-03	0.0	0.0	-2905.71	167.50	-276.07	0.81	3294.92	-
6725.52		-6725.52	-9404.44	2.85e-04	0.0	23.0	-2891.61	167.50	-276.07	0.81	-3054.76	-
2873.11						46.0	-2877.51	167.50	-276.07	0.81	-9404.44	-
979.29												
20	59	737.07	2569.46	-1.81e-03	0.0	0.0	-2908.79	243.27	-261.16	1.02	2569.46	-
1.045e+04		-1.045e+04	-9443.89	4.50e-04	0.0	23.0	-2894.69	243.27	-261.16	1.02	-3437.21	-
4858.23						46.0	-2880.58	243.27	-261.16	1.02	-9443.89	-
737.07												
20	76	870.07	4890.75	-1.97e-03	0.0	0.0	-2888.24	201.27	-308.87	0.99	4890.75	-
8388.09		-8388.09	-9317.33	-3.05e-04	0.0	23.0	-2874.13	201.27	-308.87	0.99	-2213.29	-
3759.01						46.0	-2860.03	201.27	-308.87	0.99	-9317.33	-
870.07												
20	77	914.70	1026.37	-1.96e-03	0.0	0.0	-2927.12	188.06	-229.45	0.75	1026.37	-
7736.01												

3410.66		-7736.01	-9528.30	7.92e-04	0.0	23.0	-2913.02	188.06	-229.45	0.75	-4250.96	-
						46.0	-2898.92	188.06	-229.45	0.75	-9528.30	
914.70												
20	78	801.66	4838.01	-1.89e-03	0.0	0.0	-2887.37	222.71	-307.78	1.08	4838.01	-
9443.04												
		-9443.04	-9320.03	-2.91e-04	0.0	23.0	-2873.27	222.71	-307.78	1.08	-2241.01	-
4320.69						46.0	-2859.17	222.71	-307.78	1.08	-9320.03	
801.66												
20	79	846.30	973.64	-1.89e-03	0.0	0.0	-2926.26	209.50	-228.36	0.83	973.64	-
8790.97												
		-8790.97	-9530.99	8.04e-04	0.0	23.0	-2912.16	209.50	-228.36	0.83	-4278.68	-
3972.33						46.0	-2898.06	209.50	-228.36	0.83	-9530.99	
846.30												
20	80	858.18	2932.19	-1.93e-03	0.0	0.0	-2907.25	205.38	-268.62	0.91	2932.19	-
8589.53												
		-8589.53	-9424.16	3.66e-04	0.0	23.0	-2893.15	205.38	-268.62	0.91	-3245.98	-
3865.67						46.0	-2879.04	205.38	-268.62	0.91	-9424.16	
858.18												
20	81	858.18	2932.19	-1.93e-03	0.0	0.0	-2907.25	205.38	-268.62	0.91	2932.19	-
8589.53												
		-8589.53	-9424.16	3.66e-04	0.0	23.0	-2893.15	205.38	-268.62	0.91	-3245.98	-
3865.67						46.0	-2879.04	205.38	-268.62	0.91	-9424.16	
858.18												
20	82	858.18	2932.19	-1.93e-03	0.0	0.0	-2907.25	205.38	-268.62	0.91	2932.19	-
8589.53												
		-8589.53	-9424.16	3.66e-04	0.0	23.0	-2893.15	205.38	-268.62	0.91	-3245.98	-
3865.67						46.0	-2879.04	205.38	-268.62	0.91	-9424.16	
858.18												
21	1	2215.61	-1.230e+04	-1.06e-03	0.0	0.0	-3584.71	-13.44	-708.57	-0.46	-1.230e+04	
2215.61												
		1973.69	-2.506e+04	-1.20e-03	0.0	9.0	-3577.54	-13.44	-708.57	-0.46	-1.868e+04	
2094.65												
						18.0	-3570.36	-13.44	-708.57	-0.46	-2.506e+04	
1973.69												
21	2	1704.32	-9462.56	-8.12e-04	0.0	0.0	-2757.47	-10.34	-545.05	-0.35	-9462.56	
1704.32												
		1518.22	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	-10.34	-545.05	-0.35	-1.437e+04	
1611.27												
						18.0	-2746.43	-10.34	-545.05	-0.35	-1.927e+04	
1518.22												
21	11	1704.32	-9462.56	-8.12e-04	0.0	0.0	-2757.47	-10.34	-545.05	-0.35	-9462.56	
1704.32												
		1518.22	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	-10.34	-545.05	-0.35	-1.437e+04	
1611.27												
						18.0	-2746.43	-10.34	-545.05	-0.35	-1.927e+04	
1518.22												
21	24	2027.50	-9485.50	-8.51e-04	0.0	0.0	-2752.51	23.93	-540.89	-0.29	-9485.50	
1596.63												
		1596.63	-1.922e+04	-9.69e-04	0.0	9.0	-2746.99	23.93	-540.89	-0.29	-1.435e+04	
1812.07												
						18.0	-2741.47	23.93	-540.89	-0.29	-1.922e+04	
2027.50												
21	27	1812.01	-9439.61	-7.73e-04	0.0	0.0	-2762.43	-44.61	-549.22	-0.41	-9439.61	
1812.01												
		1008.94	-1.933e+04	-8.85e-04	0.0	9.0	-2756.92	-44.61	-549.22	-0.41	-1.438e+04	
1410.47												
						18.0	-2751.40	-44.61	-549.22	-0.41	-1.933e+04	
1008.94												
21	44	1754.76	-9579.21	-8.32e-04	0.0	0.0	-2751.74	5.77	-523.91	-0.90	-9579.21	
1650.73												
		1650.73	-1.901e+04	-1.13e-03	0.0	9.0	-2746.22	5.77	-523.91	-0.90	-1.429e+04	
1702.75												
						18.0	-2740.71	5.77	-523.91	-0.90	-1.901e+04	
1754.76												
21	47	1757.90	-9345.90	-7.91e-04	0.0	0.0	-2763.20	-26.44	-566.19	0.20	-9345.90	
1757.90												
		1281.68	-1.954e+04	-7.25e-04	0.0	9.0	-2757.68	-26.44	-566.19	0.20	-1.444e+04	
1519.79												
						18.0	-2752.16	-26.44	-566.19	0.20	-1.954e+04	
1281.68												

21	56	1816.46	-9477.16	-8.34e-04	0.0	0.0	-2754.51	9.74	-542.41	-0.32	-9477.16	
1641.20					0.0	9.0	-2748.99	9.74	-542.41	-0.32	-1.436e+04	
1728.83						18.0	-2743.48	9.74	-542.41	-0.32	-1.924e+04	
1816.46												
21	59	1767.44	-9447.95	-7.89e-04	0.0	0.0	-2760.43	-30.41	-547.70	-0.38	-9447.95	
1767.44					0.0	9.0	-2754.91	-30.41	-547.70	-0.38	-1.438e+04	
1493.71						18.0	-2749.39	-30.41	-547.70	-0.38	-1.931e+04	
1219.98												
21	76	1672.56	-9539.86	-8.24e-04	0.0	0.0	-2753.77	-0.79	-531.05	-0.71	-9539.86	
1672.56					0.0	9.0	-2748.25	-0.79	-531.05	-0.71	-1.432e+04	
1665.57						18.0	-2742.73	-0.79	-531.05	-0.71	-1.910e+04	
1658.58												
21	79	1736.08	-9385.25	-7.99e-04	0.0	0.0	-2761.17	-19.89	-559.06	8.77e-03	-9385.25	
1736.08					0.0	9.0	-2755.65	-19.89	-559.06	8.77e-03	-1.442e+04	
1556.97						18.0	-2750.13	-19.89	-559.06	8.77e-03	-1.945e+04	
1377.86												
21	80	1704.32	-9462.56	-8.12e-04	0.0	0.0	-2757.47	-10.34	-545.05	-0.35	-9462.56	
1704.32					0.0	9.0	-2751.95	-10.34	-545.05	-0.35	-1.437e+04	
1611.27						18.0	-2746.43	-10.34	-545.05	-0.35	-1.927e+04	
1518.22												
21	81	1704.32	-9462.56	-8.12e-04	0.0	0.0	-2757.47	-10.34	-545.05	-0.35	-9462.56	
1704.32					0.0	9.0	-2751.95	-10.34	-545.05	-0.35	-1.437e+04	
1611.27						18.0	-2746.43	-10.34	-545.05	-0.35	-1.927e+04	
1518.22												
21	82	1704.32	-9462.56	-8.12e-04	0.0	0.0	-2757.47	-10.34	-545.05	-0.35	-9462.56	
1704.32					0.0	9.0	-2751.95	-10.34	-545.05	-0.35	-1.437e+04	
1611.27						18.0	-2746.43	-10.34	-545.05	-0.35	-1.927e+04	
1518.22												
22	1	-8497.05	-779.47	-8.82e-04	0.0	0.0	-3642.36	-104.29	-7.99	1.13	-779.47	-
8497.05					0.0	19.5	-3626.82	-104.29	-7.99	1.13	-935.37	-
1.053e+04						39.0	-3611.28	-104.29	-7.99	1.13	-1091.27	-
1.256e+04												
22	2	-6536.19	-599.59	-6.79e-04	0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-
6536.19					0.0	19.5	-2789.86	-80.22	-6.15	0.87	-719.52	-
8100.47						39.0	-2777.91	-80.22	-6.15	0.87	-839.44	-
9664.75												
22	11	-6536.19	-599.59	-6.79e-04	0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-
6536.19					0.0	19.5	-2789.86	-80.22	-6.15	0.87	-719.52	-
8100.47						39.0	-2777.91	-80.22	-6.15	0.87	-839.44	-
9664.75												
22	25	-3902.51	-786.28	-1.29e-03	0.0	0.0	-2784.92	-41.19	-10.06	-2.57	-786.28	-
3902.51					0.0	19.5	-2772.97	-41.19	-10.06	-2.57	-982.38	-
4705.69						39.0	-2761.01	-41.19	-10.06	-2.57	-1178.49	-
5508.88												
22	26	-9169.88	-412.90	1.49e-04	0.0	0.0	-2818.71	-119.25	-2.24	4.31	-412.90	-
9169.88					0.0	19.5	-2806.75	-119.25	-2.24	4.31	-456.65	-
1.150e+04						39.0	-2794.80	-119.25	-2.24	4.31	-500.39	-
1.382e+04												
22	44	-5404.34	2704.38	-9.13e-04	0.0	0.0	-2849.51	-63.67	34.25	6.23	1368.49	-
5404.34					0.0	19.5	-2837.55	-63.67	34.25	6.23	2036.43	-
6645.92												

7887.49						39.0	-2825.60	-63.67	34.25	6.23	2704.38	-	
22	45	-6160.17	-2508.60	-8.02e-04	0.0	0.0	-2748.91	-74.37	-45.35	-5.38	-2508.60	-	
6160.17		-9060.48	-4277.24	1.30e-03	0.0	19.5	-2736.96	-74.37	-45.35	-5.38	-3392.92	-	
7610.32						39.0	-2725.00	-74.37	-45.35	-5.38	-4277.24	-	
9060.48						0.0	0.0	-2854.72	-86.07	33.05	7.12	1309.41	-
22	46	-6912.22	2598.36	-5.56e-04	0.0	0.0	-2854.72	-86.07	33.05	7.12	1309.41	-	
6912.22		-1.027e+04	1309.41	-1.90e-03	0.0	19.5	-2842.77	-86.07	33.05	7.12	1953.89	-	
8590.61						39.0	-2830.81	-86.07	33.05	7.12	2598.36	-	
1.027e+04						0.0	0.0	-2754.12	-96.77	-46.55	-4.48	-2567.67	-
22	47	-7668.04	-2567.67	-4.45e-04	0.0	0.0	-2754.12	-96.77	-46.55	-4.48	-2567.67	-	
7668.04		-1.144e+04	-4383.25	1.35e-03	0.0	19.5	-2742.17	-96.77	-46.55	-4.48	-3475.46	-	
9555.02						39.0	-2730.21	-96.77	-46.55	-4.48	-4383.25	-	
1.144e+04						0.0	0.0	-2791.51	-57.39	-8.71	-1.27	-722.02	-
22	57	-4994.96	-722.02	-1.04e-03	0.0	0.0	-2791.51	-57.39	-8.71	-1.27	-722.02	-	
4994.96		-7233.04	-1061.79	-1.93e-04	0.0	19.5	-2779.55	-57.39	-8.71	-1.27	-891.91	-	
6114.00						39.0	-2767.60	-57.39	-8.71	-1.27	-1061.79	-	
7233.04						0.0	0.0	-2812.12	-103.05	-3.59	3.01	-477.16	-
22	58	-8077.42	-477.16	-3.22e-04	0.0	0.0	-2812.12	-103.05	-3.59	3.01	-477.16	-	
8077.42		-1.210e+04	-617.09	-4.10e-04	0.0	19.5	-2800.17	-103.05	-3.59	3.01	-547.12	-	
1.009e+04						39.0	-2788.21	-103.05	-3.59	3.01	-617.09	-	
1.210e+04						0.0	0.0	-2833.66	-70.25	20.61	4.23	703.93	-
22	76	-5853.98	1507.77	-8.19e-04	0.0	0.0	-2833.66	-70.25	20.61	4.23	703.93	-	
5853.98		-8593.80	703.93	-1.39e-03	0.0	19.5	-2821.70	-70.25	20.61	4.23	1105.85	-	
7223.89						39.0	-2809.75	-70.25	20.61	4.23	1507.77	-	
8593.80						0.0	0.0	-2766.94	-77.15	-32.19	-3.00	-1867.61	-
22	77	-6341.11	-1867.61	-7.47e-04	0.0	0.0	-2766.94	-77.15	-32.19	-3.00	-1867.61	-	
6341.11		-9350.11	-3122.91	7.61e-04	0.0	19.5	-2754.98	-77.15	-32.19	-3.00	-2495.26	-	
7845.61						39.0	-2743.03	-77.15	-32.19	-3.00	-3122.91	-	
9350.11						0.0	0.0	-2836.69	-83.28	19.89	4.74	668.42	-
22	78	-6731.28	1444.03	-6.11e-04	0.0	0.0	-2836.69	-83.28	19.89	4.74	668.42	-	
6731.28		-9979.38	668.42	-1.36e-03	0.0	19.5	-2824.74	-83.28	19.89	4.74	1056.23	-	
8355.33						39.0	-2812.78	-83.28	19.89	4.74	1444.03	-	
9979.38						0.0	0.0	-2769.97	-90.19	-32.91	-2.48	-1903.12	-
22	79	-7218.40	-1903.12	-5.39e-04	0.0	0.0	-2769.97	-90.19	-32.91	-2.48	-1903.12	-	
7218.40		-1.074e+04	-3186.64	7.90e-04	0.0	19.5	-2758.02	-90.19	-32.91	-2.48	-2544.88	-	
8977.05						39.0	-2746.06	-90.19	-32.91	-2.48	-3186.64	-	
1.074e+04						0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-
22	80	-6536.19	-599.59	-6.79e-04	0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-	
6536.19		-9664.75	-839.44	-3.01e-04	0.0	19.5	-2789.86	-80.22	-6.15	0.87	-719.52	-	
8100.47						39.0	-2777.91	-80.22	-6.15	0.87	-839.44	-	
9664.75						0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-
22	81	-6536.19	-599.59	-6.79e-04	0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-	
6536.19		-9664.75	-839.44	-3.01e-04	0.0	19.5	-2789.86	-80.22	-6.15	0.87	-719.52	-	
8100.47						39.0	-2777.91	-80.22	-6.15	0.87	-839.44	-	
9664.75						0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-
22	82	-6536.19	-599.59	-6.79e-04	0.0	0.0	-2801.82	-80.22	-6.15	0.87	-599.59	-	
6536.19		-9664.75	-839.44	-3.01e-04	0.0	19.5	-2789.86	-80.22	-6.15	0.87	-719.52	-	
8100.47						39.0	-2777.91	-80.22	-6.15	0.87	-839.44	-	
9664.75						0.0	0.0	-3779.42	267.00	349.20	-1.19	-3811.85	-
23	1	1115.64	1.225e+04	-2.51e-03	0.0	0.0	-3779.42	267.00	349.20	-1.19	-3811.85	-	
1.117e+04													

5025.37		-1.117e+04	-3811.85	-4.76e-04	0.0	23.0	-3761.09	267.00	349.20	-1.19	4219.78	-
							46.0	-3742.76	267.00	349.20	-1.19	1.225e+04
1115.64												
23	2	858.18	9424.16	-1.93e-03	0.0	0.0	-2907.25	205.38	268.62	-0.91	-2932.19	-
8589.53												
		-8589.53	-2932.19	-3.66e-04	0.0	23.0	-2893.15	205.38	268.62	-0.91	3245.98	-
3865.67												
							46.0	-2879.04	205.38	268.62	-0.91	9424.16
858.18												
23	11	858.18	9424.16	-1.93e-03	0.0	0.0	-2907.25	205.38	268.62	-0.91	-2932.19	-
8589.53												
		-8589.53	-2932.19	-3.66e-04	0.0	23.0	-2893.15	205.38	268.62	-0.91	3245.98	-
3865.67												
							46.0	-2879.04	205.38	268.62	-0.91	9424.16
858.18												
23	25	1085.39	9407.82	-2.16e-03	0.0	0.0	-2903.81	132.82	274.46	-0.79	-3217.35	-
5024.29												
		-5024.29	-3217.35	-2.97e-04	0.0	23.0	-2889.71	132.82	274.46	-0.79	3095.24	-
1969.45												
							46.0	-2875.61	132.82	274.46	-0.79	9407.82
1085.39												
23	26	630.97	9440.50	-1.70e-03	0.0	0.0	-2910.68	277.95	262.77	-1.04	-2647.04	-
1.215e+04												
		-1.215e+04	-2647.04	-4.36e-04	0.0	23.0	-2896.58	277.95	262.77	-1.04	3396.73	-
5761.89												
							46.0	-2882.48	277.95	262.77	-1.04	9440.50
630.97												
23	40	938.81	9581.54	-1.98e-03	0.0	0.0	-2937.03	180.76	209.46	-0.67	-53.57	-
7376.49												
		-7376.49	-53.57	-1.03e-03	0.0	23.0	-2922.93	180.76	209.46	-0.67	4763.98	-
3218.84												
							46.0	-2908.83	180.76	209.46	-0.67	9581.54
938.81												
23	43	777.55	9266.79	-1.88e-03	0.0	0.0	-2877.47	230.01	327.77	-1.16	-5810.82	-
9802.56												
		-9802.56	-5810.82	5.52e-04	0.0	23.0	-2863.37	230.01	327.77	-1.16	1727.99	-
4512.50												
							46.0	-2849.26	230.01	327.77	-1.16	9266.79
777.55												
23	44	957.52	9585.46	-2.00e-03	0.0	0.0	-2936.93	174.34	207.84	-0.67	24.79	-
7062.50												
		-7062.50	24.79	-1.05e-03	0.0	23.0	-2922.83	174.34	207.84	-0.67	4805.12	-
3052.49												
							46.0	-2908.73	174.34	207.84	-0.67	9585.46
957.52												
23	47	758.84	9262.86	-1.86e-03	0.0	0.0	-2877.56	236.43	329.39	-1.15	-5889.17	-
1.012e+04												
		-1.012e+04	-5889.17	5.71e-04	0.0	23.0	-2863.46	236.43	329.39	-1.15	1686.85	-
4678.86												
							46.0	-2849.36	236.43	329.39	-1.15	9262.86
758.84												
23	57	991.16	9413.48	-2.06e-03	0.0	0.0	-2905.04	162.92	272.45	-0.85	-3119.11	-
6503.31												
		-6503.31	-3119.11	-3.20e-04	0.0	23.0	-2890.94	162.92	272.45	-0.85	3147.19	-
2756.08												
							46.0	-2876.84	162.92	272.45	-0.85	9413.48
991.16												
23	58	725.20	9434.84	-1.79e-03	0.0	0.0	-2909.45	247.85	264.79	-0.98	-2745.28	-
1.068e+04												
		-1.068e+04	-2745.28	-4.12e-04	0.0	23.0	-2895.35	247.85	264.79	-0.98	3344.78	-
4975.27												
							46.0	-2881.25	247.85	264.79	-0.98	9434.84
725.20												
23	72	906.41	9528.66	-1.96e-03	0.0	0.0	-2926.96	190.72	229.32	-0.76	-1020.22	-
7866.76												
		-7866.76	-1020.22	-7.94e-04	0.0	23.0	-2912.86	190.72	229.32	-0.76	4254.22	-
3480.17												
							46.0	-2898.76	190.72	229.32	-0.76	9528.66
906.41												
23	75	809.95	9319.66	-1.90e-03	0.0	0.0	-2887.54	220.05	307.91	-1.07	-4844.16	-
9312.30												
		-9312.30	-4844.16	2.93e-04	0.0	23.0	-2873.43	220.05	307.91	-1.07	2237.75	-
4251.17												
							46.0	-2859.33	220.05	307.91	-1.07	9319.66
809.95												

23	76	918.26	9531.01	-1.97e-03	0.0	0.0	-2926.92	186.68	228.36	-0.76	-973.63	-
7669.34		-7669.34	-973.63	-8.04e-04	0.0	23.0	-2912.82	186.68	228.36	-0.76	4278.69	-
3375.54						46.0	-2898.72	186.68	228.36	-0.76	9531.01	
918.26	79	798.10	9317.31	-1.89e-03	0.0	0.0	-2887.58	224.09	308.87	-1.07	-4890.76	-
23		-9509.72	-4890.76	3.05e-04	0.0	23.0	-2873.47	224.09	308.87	-1.07	2213.28	-
9509.72						46.0	-2859.37	224.09	308.87	-1.07	9317.31	
4355.81												
798.10	80	858.18	9424.16	-1.93e-03	0.0	0.0	-2907.25	205.38	268.62	-0.91	-2932.19	-
23		-8589.53	-2932.19	-3.66e-04	0.0	23.0	-2893.15	205.38	268.62	-0.91	3245.98	-
8589.53						46.0	-2879.04	205.38	268.62	-0.91	9424.16	
3865.67												
858.18	81	858.18	9424.16	-1.93e-03	0.0	0.0	-2907.25	205.38	268.62	-0.91	-2932.19	-
23		-8589.53	-2932.19	-3.66e-04	0.0	23.0	-2893.15	205.38	268.62	-0.91	3245.98	-
8589.53						46.0	-2879.04	205.38	268.62	-0.91	9424.16	
3865.67												
858.18	82	858.18	9424.16	-1.93e-03	0.0	0.0	-2907.25	205.38	268.62	-0.91	-2932.19	-
23		-8589.53	-2932.19	-3.66e-04	0.0	23.0	-2893.15	205.38	268.62	-0.91	3245.98	-
8589.53						46.0	-2879.04	205.38	268.62	-0.91	9424.16	
3865.67												
858.18	1	2215.61	2.506e+04	-1.06e-03	0.0	0.0	-3584.71	-13.44	708.57	0.46	1.230e+04	
24		1973.69	1.230e+04	1.20e-03	0.0	9.0	-3577.54	-13.44	708.57	0.46	1.868e+04	
2215.61						18.0	-3570.36	-13.44	708.57	0.46	2.506e+04	
2094.65												
1973.69	2	1704.32	1.927e+04	-8.12e-04	0.0	0.0	-2757.47	-10.34	545.05	0.35	9462.56	
24		1518.22	9462.56	9.27e-04	0.0	9.0	-2751.95	-10.34	545.05	0.35	1.437e+04	
1704.32						18.0	-2746.43	-10.34	545.05	0.35	1.927e+04	
1611.27												
1518.22	11	1704.32	1.927e+04	-8.12e-04	0.0	0.0	-2757.47	-10.34	545.05	0.35	9462.56	
24		1518.22	9462.56	9.27e-04	0.0	9.0	-2751.95	-10.34	545.05	0.35	1.437e+04	
1704.32						18.0	-2746.43	-10.34	545.05	0.35	1.927e+04	
1611.27												
1518.22	25	2087.02	1.924e+04	-8.54e-04	0.0	0.0	-2751.93	27.73	542.59	0.40	9476.75	
24		1587.81	9476.75	9.50e-04	0.0	9.0	-2746.42	27.73	542.59	0.40	1.436e+04	
1587.81						18.0	-2740.90	27.73	542.59	0.40	1.924e+04	
1837.42												
2087.02	26	1820.82	1.930e+04	-7.69e-04	0.0	0.0	-2763.00	-48.41	547.52	0.30	9448.36	
24		949.42	9448.36	9.04e-04	0.0	9.0	-2757.49	-48.41	547.52	0.30	1.438e+04	
1820.82						18.0	-2751.97	-48.41	547.52	0.30	1.930e+04	
1385.12												
949.42	44	1695.21	1.954e+04	-8.18e-04	0.0	0.0	-2760.68	-6.01	566.19	-0.27	9345.89	
24		1586.85	9345.89	7.25e-04	0.0	9.0	-2755.16	-6.01	566.19	-0.27	1.444e+04	
1695.21						18.0	-2749.65	-6.01	566.19	-0.27	1.954e+04	
1641.03												
1586.85	45	1772.65	1.902e+04	-8.33e-04	0.0	0.0	-2751.58	6.91	524.42	0.94	9576.59	
24		1648.08	9576.59	1.12e-03	0.0	9.0	-2746.06	6.91	524.42	0.94	1.430e+04	
1648.08						18.0	-2740.54	6.91	524.42	0.94	1.902e+04	
1710.36												
1772.65	46	1760.56	1.953e+04	-7.90e-04	0.0	0.0	-2763.36	-27.59	565.68	-0.24	9348.53	
24		1263.79	9348.53	7.31e-04	0.0	9.0	-2757.85	-27.59	565.68	-0.24	1.444e+04	
1760.56												
1512.18												

1263.79						18.0	-2752.33	-27.59	565.68	-0.24	1.953e+04	
24	57	1851.45	1.925e+04	-8.36e-04	0.0	0.0	-2754.18	11.97	543.44	0.38	9471.79	
1635.99		1635.99	9471.79	9.42e-04	0.0	9.0	-2748.66	11.97	543.44	0.38	1.436e+04	
1743.72						18.0	-2743.15	11.97	543.44	0.38	1.925e+04	
1851.45												
24	58	1772.65	1.929e+04	-7.87e-04	0.0	0.0	-2760.76	-32.65	546.66	0.32	9453.32	
1772.65		1184.99	9453.32	9.12e-04	0.0	9.0	-2755.24	-32.65	546.66	0.32	1.437e+04	
1478.82						18.0	-2749.72	-32.65	546.66	0.32	1.929e+04	
1184.99												
24	76	1699.62	1.945e+04	-8.15e-04	0.0	0.0	-2759.71	-8.01	559.06	-0.05	9385.24	
1699.62		1555.31	9385.24	7.93e-04	0.0	9.0	-2754.19	-8.01	559.06	-0.05	1.442e+04	
1627.46						18.0	-2748.67	-8.01	559.06	-0.05	1.945e+04	
1555.31												
24	77	1670.99	1.910e+04	-8.25e-04	0.0	0.0	-2753.67	-0.11	531.36	0.73	9538.25	
1670.99		1669.10	9538.25	1.06e-03	0.0	9.0	-2748.16	-0.11	531.36	0.73	1.432e+04	
1670.05						18.0	-2742.64	-0.11	531.36	0.73	1.910e+04	
1669.10												
24	78	1737.64	1.944e+04	-7.99e-04	0.0	0.0	-2761.26	-20.56	558.75	-0.03	9386.86	
1737.64		1367.34	9386.86	7.97e-04	0.0	9.0	-2755.75	-20.56	558.75	-0.03	1.442e+04	
1552.49						18.0	-2750.23	-20.56	558.75	-0.03	1.944e+04	
1367.34												
24	80	1704.32	1.927e+04	-8.12e-04	0.0	0.0	-2757.47	-10.34	545.05	0.35	9462.56	
1704.32		1518.22	9462.56	9.27e-04	0.0	9.0	-2751.95	-10.34	545.05	0.35	1.437e+04	
1611.27						18.0	-2746.43	-10.34	545.05	0.35	1.927e+04	
1518.22												
24	81	1704.32	1.927e+04	-8.12e-04	0.0	0.0	-2757.47	-10.34	545.05	0.35	9462.56	
1704.32		1518.22	9462.56	9.27e-04	0.0	9.0	-2751.95	-10.34	545.05	0.35	1.437e+04	
1611.27						18.0	-2746.43	-10.34	545.05	0.35	1.927e+04	
1518.22												
24	82	1704.32	1.927e+04	-8.12e-04	0.0	0.0	-2757.47	-10.34	545.05	0.35	9462.56	
1704.32		1518.22	9462.56	9.27e-04	0.0	9.0	-2751.95	-10.34	545.05	0.35	1.437e+04	
1611.27						18.0	-2746.43	-10.34	545.05	0.35	1.927e+04	
1518.22												
25	1	-2467.08	1080.89	-2.42e-04	0.0	0.0	-3919.14	-30.38	7.90	-0.26	772.62	-
2467.08		-3652.07	772.62	3.91e-04	0.0	19.5	-3903.60	-30.38	7.90	-0.26	926.75	-
3059.58						39.0	-3888.06	-30.38	7.90	-0.26	1080.89	-
3652.07												
25	2	-1897.75	831.45	-1.86e-04	0.0	0.0	-3014.72	-23.37	6.08	-0.20	594.32	-
1897.75		-2809.29	594.32	3.01e-04	0.0	19.5	-3002.77	-23.37	6.08	-0.20	712.88	-
2353.52						39.0	-2990.81	-23.37	6.08	-0.20	831.45	-
2809.29												
25	11	-1897.75	831.45	-1.86e-04	0.0	0.0	-3014.72	-23.37	6.08	-0.20	594.32	-
1897.75		-2809.29	594.32	3.01e-04	0.0	19.5	-3002.77	-23.37	6.08	-0.20	712.88	-
2353.52						39.0	-2990.81	-23.37	6.08	-0.20	831.45	-
2809.29												
25	16	1629.99	1336.62	-7.80e-04	0.0	0.0	-3006.08	18.02	11.90	2.92	872.57	
927.25		927.25	872.57	5.42e-05	0.0	19.5	-2994.12	18.02	11.90	2.92	1104.60	
1278.62						39.0	-2982.17	18.02	11.90	2.92	1336.62	
1629.99												
25	19	-4722.76	326.28	4.07e-04	0.0	0.0	-3023.37	-64.76	0.26	-3.32	316.07	-
4722.76												

5985.66		-7248.57	316.07	5.48e-04	0.0	19.5	-3011.41	-64.76	0.26	-3.32	321.17	-
7248.57						39.0	-2999.46	-64.76	0.26	-3.32	326.28	-
25	41	-657.78	-1192.21	-4.11e-04	0.0	0.0	-3061.76	-5.48	-30.66	7.84	-1192.21	-
657.78												
		-871.47	-2387.82	1.80e-03	0.0	19.5	-3049.80	-5.48	-30.66	7.84	-1790.02	-
764.63												
						39.0	-3037.84	-5.48	-30.66	7.84	-2387.82	-
871.47												
25	42	-3137.73	4050.72	8.36e-05	0.0	0.0	-2967.69	-41.27	42.82	-8.24	2380.85	-
3137.73												
		-4747.10	2380.85	-1.20e-03	0.0	19.5	-2955.73	-41.27	42.82	-8.24	3215.79	-
3942.42												
						39.0	-2943.78	-41.27	42.82	-8.24	4050.72	-
4747.10												
25	48	-211.69	1169.42	-5.33e-04	0.0	0.0	-3009.03	0.84	9.97	1.82	780.63	-
244.54												
		-244.54	780.63	1.37e-04	0.0	19.5	-2997.08	0.84	9.97	1.82	975.02	-
228.12												
						39.0	-2985.12	0.84	9.97	1.82	1169.42	-
211.69												
25	51	-3550.97	493.48	1.75e-04	0.0	0.0	-3020.41	-47.59	2.19	-2.22	408.01	-
3550.97												
		-5406.88	408.01	4.65e-04	0.0	19.5	-3008.46	-47.59	2.19	-2.22	450.74	-
4478.92												
						39.0	-2996.50	-47.59	2.19	-2.22	493.48	-
5406.88												
25	73	-1147.65	-586.02	-3.21e-04	0.0	0.0	-3045.83	-12.56	-18.19	4.96	-586.02	-
1147.65												
		-1637.51	-1295.60	1.29e-03	0.0	19.5	-3033.88	-12.56	-18.19	4.96	-940.81	-
1392.58												
						39.0	-3021.92	-12.56	-18.19	4.96	-1295.60	-
1637.51												
25	74	-2647.85	2958.50	-5.22e-05	0.0	0.0	-2983.61	-34.18	30.36	-5.36	1774.66	-
2647.85												
		-3981.06	1774.66	-6.93e-04	0.0	19.5	-2971.66	-34.18	30.36	-5.36	2366.58	-
3314.46												
						39.0	-2959.70	-34.18	30.36	-5.36	2958.50	-
3981.06												
25	80	-1897.75	831.45	-1.86e-04	0.0	0.0	-3014.72	-23.37	6.08	-0.20	594.32	-
1897.75												
		-2809.29	594.32	3.01e-04	0.0	19.5	-3002.77	-23.37	6.08	-0.20	712.88	-
2353.52												
						39.0	-2990.81	-23.37	6.08	-0.20	831.45	-
2809.29												
25	81	-1897.75	831.45	-1.86e-04	0.0	0.0	-3014.72	-23.37	6.08	-0.20	594.32	-
1897.75												
		-2809.29	594.32	3.01e-04	0.0	19.5	-3002.77	-23.37	6.08	-0.20	712.88	-
2353.52												
						39.0	-2990.81	-23.37	6.08	-0.20	831.45	-
2809.29												
25	82	-1897.75	831.45	-1.86e-04	0.0	0.0	-3014.72	-23.37	6.08	-0.20	594.32	-
1897.75												
		-2809.29	594.32	3.01e-04	0.0	19.5	-3002.77	-23.37	6.08	-0.20	712.88	-
2353.52												
						39.0	-2990.81	-23.37	6.08	-0.20	831.45	-
2809.29												
26	1	-1301.48	3803.38	-7.76e-04	0.0	0.0	-3888.66	48.32	-348.73	0.27	3803.38	-
3524.37												
		-3524.37	-1.224e+04	4.73e-04	0.0	23.0	-3870.32	48.32	-348.73	0.27	-4217.32	-
2412.92												
						46.0	-3851.99	48.32	-348.73	0.27	-1.224e+04	-
1301.48												
26	2	-1001.14	2925.68	-5.97e-04	0.0	0.0	-2991.27	37.17	-268.25	0.21	2925.68	-
2711.05												
		-2711.05	-9413.86	3.64e-04	0.0	23.0	-2977.17	37.17	-268.25	0.21	-3244.09	-
1856.09												
						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
1001.14												
26	11	-1001.14	2925.68	-5.97e-04	0.0	0.0	-2991.27	37.17	-268.25	0.21	2925.68	-
2711.05												
		-2711.05	-9413.86	3.64e-04	0.0	23.0	-2977.17	37.17	-268.25	0.21	-3244.09	-
1856.09												
						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
1001.14												

26	16	1080.30	3349.89	-7.72e-04	0.0	0.0	-2988.70	-38.13	-276.95	0.03	3349.89	
1080.30		-673.64	-9389.79	2.66e-04	0.0	23.0	-2974.60	-38.13	-276.95	0.03	-3019.95	
203.33						46.0	-2960.50	-38.13	-276.95	0.03	-9389.79	-
673.64	19	-1328.63	2501.47	-4.23e-04	0.0	0.0	-2993.85	112.47	-259.55	0.39	2501.47	-
26		-6502.41	-9437.93	4.68e-04	0.0	23.0	-2979.74	112.47	-259.55	0.39	-3468.23	-
6502.41						46.0	-2965.64	112.47	-259.55	0.39	-9437.93	-
3915.52												
1328.63	41	-859.03	238.46	-6.32e-04	0.0	0.0	-3019.87	4.21	-213.03	0.03	238.46	-
26		-1052.67	-9561.14	9.87e-04	0.0	23.0	-3005.76	4.21	-213.03	0.03	-4661.34	-
1052.67						46.0	-2991.66	4.21	-213.03	0.03	-9561.14	-
955.85												
859.03	42	-1143.24	5612.90	-5.62e-04	0.0	0.0	-2962.68	70.14	-323.47	0.39	5612.90	-
26		-4369.43	-9266.58	-5.09e-04	0.0	23.0	-2948.58	70.14	-323.47	0.39	-1826.84	-
4369.43						46.0	-2934.48	70.14	-323.47	0.39	-9266.58	-
2756.33												
1143.24	45	-887.08	307.96	-6.16e-04	0.0	0.0	-3019.96	10.61	-214.47	0.04	307.96	-
26		-1375.43	-9557.74	9.74e-04	0.0	23.0	-3005.86	10.61	-214.47	0.04	-4624.89	-
1375.43						46.0	-2991.76	10.61	-214.47	0.04	-9557.74	-
1131.25												
887.08	46	-1115.19	5543.40	-5.78e-04	0.0	0.0	-2962.58	63.73	-322.03	0.38	5543.40	-
26		-4046.68	-9269.98	-4.95e-04	0.0	23.0	-2948.48	63.73	-322.03	0.38	-1863.29	-
4046.68						46.0	-2934.38	63.73	-322.03	0.38	-9269.98	-
2580.93												
1115.19	48	-492.49	3209.30	-6.98e-04	0.0	0.0	-2989.40	-6.89	-274.07	0.11	3209.30	-
26		-809.53	-9397.83	2.97e-04	0.0	23.0	-2975.30	-6.89	-274.07	0.11	-3094.26	-
492.49						46.0	-2961.20	-6.89	-274.07	0.11	-9397.83	-
651.01												
809.53	51	-1192.74	2642.06	-4.96e-04	0.0	0.0	-2993.14	81.24	-262.43	0.31	2642.06	-
26		-4929.61	-9429.90	4.33e-04	0.0	23.0	-2979.04	81.24	-262.43	0.31	-3393.92	-
4929.61						46.0	-2964.94	81.24	-262.43	0.31	-9429.90	-
3061.18												
1192.74	73	-915.17	1150.07	-6.16e-04	0.0	0.0	-3010.12	17.24	-231.77	0.10	1150.07	-
26		-1708.09	-9511.21	7.62e-04	0.0	23.0	-2996.02	17.24	-231.77	0.10	-4180.57	-
1708.09						46.0	-2981.91	17.24	-231.77	0.10	-9511.21	-
1311.63												
915.17	74	-1087.10	4701.29	-5.78e-04	0.0	0.0	-2972.43	57.11	-304.73	0.32	4701.29	-
26		-3714.02	-9316.52	-2.63e-04	0.0	23.0	-2958.33	57.11	-304.73	0.32	-2307.62	-
3714.02						46.0	-2944.23	57.11	-304.73	0.32	-9316.52	-
2400.56												
1087.10	77	-932.86	1190.04	-6.06e-04	0.0	0.0	-3010.15	21.28	-232.59	0.11	1190.04	-
26		-1911.73	-9509.24	7.55e-04	0.0	23.0	-2996.05	21.28	-232.59	0.11	-4159.60	-
1911.73						46.0	-2981.95	21.28	-232.59	0.11	-9509.24	-
1422.29												
932.86	78	-1069.42	4661.32	-5.88e-04	0.0	0.0	-2972.40	53.07	-303.91	0.31	4661.32	-
26		-3510.37	-9318.48	-2.55e-04	0.0	23.0	-2958.30	53.07	-303.91	0.31	-2328.58	-
3510.37						46.0	-2944.20	53.07	-303.91	0.31	-9318.48	-
2289.89												
1069.42	80	-1001.14	2925.68	-5.97e-04	0.0	0.0	-2991.27	37.17	-268.25	0.21	2925.68	-
26		-2711.05	-9413.86	3.64e-04	0.0	23.0	-2977.17	37.17	-268.25	0.21	-3244.09	-
2711.05												
1856.09												

1001.14						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
26	81	-1001.14	2925.68	-5.97e-04	0.0	0.0	-2991.27	37.17	-268.25	0.21	2925.68	-
2711.05		-2711.05	-9413.86	3.64e-04	0.0	23.0	-2977.17	37.17	-268.25	0.21	-3244.09	-
1856.09						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
1001.14						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
26	82	-1001.14	2925.68	-5.97e-04	0.0	0.0	-2991.27	37.17	-268.25	0.21	2925.68	-
2711.05		-2711.05	-9413.86	3.64e-04	0.0	23.0	-2977.17	37.17	-268.25	0.21	-3244.09	-
1856.09						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
1001.14						46.0	-2963.07	37.17	-268.25	0.21	-9413.86	-
27	1	4187.92-1.230e+04	-3.69e-04	0.0	0.0	0.0	-3619.58	312.63	-707.75	-0.10	-1.230e+04	-
1439.50		-1439.50-2.504e+04	-1.21e-03	0.0	9.0	9.0	-3612.40	312.63	-707.75	-0.10	-1.867e+04	-
1374.21						18.0	-3605.23	312.63	-707.75	-0.10	-2.504e+04	-
4187.92						18.0	-3605.23	312.63	-707.75	-0.10	-2.504e+04	-
27	2	3221.48	-9458.38	-2.83e-04	0.0	0.0	-2784.29	240.49	-544.42	-0.07	-9458.38	-
1107.31		-1107.31	-1.926e+04	-9.27e-04	0.0	9.0	-2778.77	240.49	-544.42	-0.07	-1.436e+04	-
1057.09						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	-
3221.48						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	-
27	11	3221.48	-9458.38	-2.83e-04	0.0	0.0	-2784.29	240.49	-544.42	-0.07	-9458.38	-
1107.31		-1107.31	-1.926e+04	-9.27e-04	0.0	9.0	-2778.77	240.49	-544.42	-0.07	-1.436e+04	-
1057.09						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	-
3221.48						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	-
27	21	3911.24	-9422.73	-2.98e-04	0.0	0.0	-2786.65	279.93	-550.90	0.15	-9422.73	-
1127.92		-1127.92	-1.934e+04	-8.66e-04	0.0	9.0	-2781.14	279.93	-550.90	0.15	-1.438e+04	-
1391.66						18.0	-2775.62	279.93	-550.90	0.15	-1.934e+04	-
3911.24						18.0	-2775.62	279.93	-550.90	0.15	-1.934e+04	-
27	24	3764.59	-9483.59	-2.91e-04	0.0	0.0	-2783.65	272.41	-539.86	0.17	-9483.59	-
1139.30		-1139.30	-1.920e+04	-9.71e-04	0.0	9.0	-2778.13	272.41	-539.86	0.17	-1.434e+04	-
1312.65						18.0	-2772.61	272.41	-539.86	0.17	-1.920e+04	-
3764.59						18.0	-2772.61	272.41	-539.86	0.17	-1.920e+04	-
27	41	3570.05	-9348.34	-2.74e-04	0.0	0.0	-2789.29	261.17	-564.28	0.48	-9348.34	-
1131.67		-1131.67	-1.951e+04	-7.41e-04	0.0	9.0	-2783.78	261.17	-564.28	0.48	-1.443e+04	-
1219.19						18.0	-2778.26	261.17	-564.28	0.48	-1.951e+04	-
3570.05						18.0	-2778.26	261.17	-564.28	0.48	-1.951e+04	-
27	42	2872.91	-9568.42	-2.93e-04	0.0	0.0	-2779.29	219.81	-524.57	-0.63	-9568.42	-
1082.94		-1082.94	-1.901e+04	-1.11e-03	0.0	9.0	-2773.77	219.81	-524.57	-0.63	-1.429e+04	-
894.99						18.0	-2768.25	219.81	-524.57	-0.63	-1.901e+04	-
2872.91						18.0	-2768.25	219.81	-524.57	-0.63	-1.901e+04	-
27	48	3625.59	-9471.90	-2.91e-04	0.0	0.0	-2784.12	263.61	-542.04	0.07	-9471.90	-
1119.83		-1119.83	-1.923e+04	-9.49e-04	0.0	9.0	-2778.60	263.61	-542.04	0.07	-1.435e+04	-
1252.88						18.0	-2773.08	263.61	-542.04	0.07	-1.923e+04	-
3625.59						18.0	-2773.08	263.61	-542.04	0.07	-1.923e+04	-
27	56	3530.32	-9474.73	-2.87e-04	0.0	0.0	-2783.83	258.66	-541.47	0.08	-9474.73	-
1125.74		-1125.74	-1.922e+04	-9.55e-04	0.0	9.0	-2778.31	258.66	-541.47	0.08	-1.435e+04	-
1202.29						18.0	-2772.79	258.66	-541.47	0.08	-1.922e+04	-
3530.32						18.0	-2772.79	258.66	-541.47	0.08	-1.922e+04	-
27	73	3433.21	-9385.58	-2.77e-04	0.0	0.0	-2787.58	253.06	-557.56	0.28	-9385.58	-
1122.34		-1122.34	-1.942e+04	-8.04e-04	0.0	9.0	-2782.06	253.06	-557.56	0.28	-1.440e+04	-
1155.43						18.0	-2776.54	253.06	-557.56	0.28	-1.942e+04	-
3433.21						18.0	-2776.54	253.06	-557.56	0.28	-1.942e+04	-
27	74	3009.75	-9531.18	-2.90e-04	0.0	0.0	-2781.00	227.91	-531.29	-0.43	-9531.18	-
1092.27						18.0	-2776.54	253.06	-557.56	0.28	-1.942e+04	-

958.74		-1092.27	-1.909e+04	-1.05e-03	0.0	9.0	-2775.48	227.91	-531.29	-0.43	-1.431e+04	
						18.0	-2769.96	227.91	-531.29	-0.43	-1.909e+04	
3009.75	80	3221.48	-9458.38	-2.83e-04	0.0	0.0	-2784.29	240.49	-544.42	-0.07	-9458.38	-
1107.31		-1107.31	-1.926e+04	-9.27e-04	0.0	9.0	-2778.77	240.49	-544.42	-0.07	-1.436e+04	
1057.09						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	
3221.48	81	3221.48	-9458.38	-2.83e-04	0.0	0.0	-2784.29	240.49	-544.42	-0.07	-9458.38	-
1107.31		-1107.31	-1.926e+04	-9.27e-04	0.0	9.0	-2778.77	240.49	-544.42	-0.07	-1.436e+04	
1057.09						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	
3221.48	82	3221.48	-9458.38	-2.83e-04	0.0	0.0	-2784.29	240.49	-544.42	-0.07	-9458.38	-
1107.31		-1107.31	-1.926e+04	-9.27e-04	0.0	9.0	-2778.77	240.49	-544.42	-0.07	-1.436e+04	
1057.09						18.0	-2773.25	240.49	-544.42	-0.07	-1.926e+04	
3221.48	1	-2467.08	-772.62	-2.42e-04	0.0	0.0	-3919.14	-30.38	-7.90	0.26	-772.62	-
2467.08		-3652.07	-1080.89	-3.91e-04	0.0	19.5	-3903.60	-30.38	-7.90	0.26	-926.75	-
3059.58						39.0	-3888.06	-30.38	-7.90	0.26	-1080.89	-
3652.07	2	-1897.75	-594.32	-1.86e-04	0.0	0.0	-3014.72	-23.37	-6.08	0.20	-594.32	-
1897.75		-2809.29	-831.45	-3.01e-04	0.0	19.5	-3002.77	-23.37	-6.08	0.20	-712.88	-
2353.52						39.0	-2990.81	-23.37	-6.08	0.20	-831.45	-
2809.29	11	-1897.75	-594.32	-1.86e-04	0.0	0.0	-3014.72	-23.37	-6.08	0.20	-594.32	-
1897.75		-2809.29	-831.45	-3.01e-04	0.0	19.5	-3002.77	-23.37	-6.08	0.20	-712.88	-
2353.52						39.0	-2990.81	-23.37	-6.08	0.20	-831.45	-
2809.29	17	1186.26	-1039.08	-7.16e-04	0.0	0.0	-3006.34	13.86	-15.20	-1.35	-1039.08	-
645.71		645.71	-1631.92	1.02e-04	0.0	19.5	-2994.38	13.86	-15.20	-1.35	-1335.50	-
915.99						39.0	-2982.43	13.86	-15.20	-1.35	-1631.92	-
1186.26	18	-4441.22	-30.98	3.44e-04	0.0	0.0	-3023.11	-60.61	3.04	1.75	-149.56	-
4441.22		-6804.84	-149.56	-6.72e-04	0.0	19.5	-3011.15	-60.61	3.04	1.75	-90.27	-
5623.03						39.0	-2999.20	-60.61	3.04	1.75	-30.98	-
6804.84	40	-742.25	2299.23	-3.92e-04	0.0	0.0	-3061.83	-6.73	29.67	-7.37	1142.26	-
742.25		-1004.59	1142.26	-1.77e-03	0.0	19.5	-3049.87	-6.73	29.67	-7.37	1720.74	-
873.42						39.0	-3037.92	-6.73	29.67	-7.37	2299.23	-
1004.59	41	-1606.94	-2380.94	-2.90e-04	0.0	0.0	-2968.59	-18.79	-42.82	8.22	-2380.94	-
1606.94		-2339.68	-4050.86	1.20e-03	0.0	19.5	-2956.64	-18.79	-42.82	8.22	-3215.90	-
1973.31						39.0	-2944.68	-18.79	-42.82	8.22	-4050.86	-
2339.68	42	-2188.57	2387.96	-8.28e-05	0.0	0.0	-3060.85	-27.96	30.66	-7.82	1192.30	-
2188.57		-3278.89	1192.30	-1.80e-03	0.0	19.5	-3048.90	-27.96	30.66	-7.82	1790.13	-
2733.73						39.0	-3036.94	-27.96	30.66	-7.82	2387.96	-
3278.89	43	-3053.26	-2330.90	7.05e-05	0.0	0.0	-2967.62	-40.02	-41.83	7.77	-2330.90	-
3053.26		-4613.98	-3962.13	1.17e-03	0.0	19.5	-2955.66	-40.02	-41.83	7.77	-3146.51	-
3833.62						39.0	-2943.71	-40.02	-41.83	7.77	-3962.13	-
4613.98												

28	49	-409.69	-877.10	-4.96e-04	0.0	0.0	-3009.18	-1.60	-11.89	-0.84	-877.10	-
409.69		-471.96	-1340.69	-6.38e-05	0.0	19.5	-2997.22	-1.60	-11.89	-0.84	-1108.90	-
440.83						39.0	-2985.27	-1.60	-11.89	-0.84	-1340.69	-
471.96	50	-3385.82	-311.53	1.45e-04	0.0	0.0	-3020.27	-45.15	-0.27	1.24	-311.53	-
3385.82		-5146.61	-322.21	-5.38e-04	0.0	19.5	-3008.31	-45.15	-0.27	1.24	-316.87	-
4266.21						39.0	-2996.36	-45.15	-0.27	1.24	-322.21	-
5146.61	72	-1197.20	1244.22	-3.09e-04	0.0	0.0	-3045.87	-13.29	17.62	-4.67	557.08	-
1197.20		-1715.59	557.08	-1.27e-03	0.0	19.5	-3033.92	-13.29	17.62	-4.67	900.65	-
1456.40						39.0	-3021.96	-13.29	17.62	-4.67	1244.22	-
1715.59	73	-1757.65	-1774.71	-2.43e-04	0.0	0.0	-2984.15	-21.11	-30.36	5.35	-1774.71	-
1757.65		-2581.06	-2958.58	6.93e-04	0.0	19.5	-2972.20	-21.11	-30.36	5.35	-2366.65	-
2169.35						39.0	-2960.24	-21.11	-30.36	5.35	-2958.58	-
2581.06	74	-2037.86	1295.68	-1.30e-04	0.0	0.0	-3045.29	-25.63	18.20	-4.95	586.07	-
2037.86		-3037.51	586.07	-1.29e-03	0.0	19.5	-3033.34	-25.63	18.20	-4.95	940.88	-
2537.69						39.0	-3021.38	-25.63	18.20	-4.95	1295.68	-
3037.51	75	-2598.31	-1745.72	-6.33e-05	0.0	0.0	-2983.57	-33.45	-29.78	5.07	-1745.72	-
2598.31		-3902.98	-2907.12	6.71e-04	0.0	19.5	-2971.62	-33.45	-29.78	5.07	-2326.42	-
3250.64						39.0	-2959.66	-33.45	-29.78	5.07	-2907.12	-
3902.98	80	-1897.75	-594.32	-1.86e-04	0.0	0.0	-3014.72	-23.37	-6.08	0.20	-594.32	-
1897.75		-2809.29	-831.45	-3.01e-04	0.0	19.5	-3002.77	-23.37	-6.08	0.20	-712.88	-
2353.52						39.0	-2990.81	-23.37	-6.08	0.20	-831.45	-
2809.29	81	-1897.75	-594.32	-1.86e-04	0.0	0.0	-3014.72	-23.37	-6.08	0.20	-594.32	-
1897.75		-2809.29	-831.45	-3.01e-04	0.0	19.5	-3002.77	-23.37	-6.08	0.20	-712.88	-
2353.52						39.0	-2990.81	-23.37	-6.08	0.20	-831.45	-
2809.29	82	-1897.75	-594.32	-1.86e-04	0.0	0.0	-3014.72	-23.37	-6.08	0.20	-594.32	-
1897.75		-2809.29	-831.45	-3.01e-04	0.0	19.5	-3002.77	-23.37	-6.08	0.20	-712.88	-
2353.52						39.0	-2990.81	-23.37	-6.08	0.20	-831.45	-
2809.29	1	-1301.48	1.224e+04	-7.76e-04	0.0	0.0	-3888.66	48.32	348.73	-0.27	-3803.38	-
29		-3524.37	-3803.38	-4.73e-04	0.0	23.0	-3870.32	48.32	348.73	-0.27	4217.32	-
3524.37						46.0	-3851.99	48.32	348.73	-0.27	1.224e+04	-
2412.92	2	-1001.14	9413.86	-5.97e-04	0.0	0.0	-2991.27	37.17	268.25	-0.21	-2925.68	-
1301.48		-2711.05	-2925.68	-3.64e-04	0.0	23.0	-2977.17	37.17	268.25	-0.21	3244.09	-
2711.05						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1856.09	11	-1001.14	9413.86	-5.97e-04	0.0	0.0	-2991.27	37.17	268.25	-0.21	-2925.68	-
1001.14		-2711.05	-2925.68	-3.64e-04	0.0	23.0	-2977.17	37.17	268.25	-0.21	3244.09	-
2711.05						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1856.09	17	706.78	9377.79	-7.49e-04	0.0	0.0	-2989.85	-30.71	281.97	-0.04	-3592.70	-
1001.14		-706.01	-3592.70	-2.27e-04	0.0	23.0	-2975.75	-30.71	281.97	-0.04	2892.54	-
29												-
706.78												-
0.39												-

706.01						46.0	-2961.65	-30.71	281.97	-0.04	9377.79	-
29	18	-1296.27	9449.93	-4.45e-04	0.0	0.0	-2992.69	105.06	254.53	-0.39	-2258.66	-
6128.88		-6128.88	-2258.66	-5.11e-04	0.0	23.0	-2978.59	105.06	254.53	-0.39	3595.64	-
3712.57						46.0	-2964.49	105.06	254.53	-0.39	9449.93	-
1296.27	40	-868.74	9557.54	-6.25e-04	0.0	0.0	-3020.21	6.43	214.54	-0.03	-311.30	-
29		-1164.73	-311.30	-9.73e-04	0.0	23.0	-3006.11	6.43	214.54	-0.03	4623.12	-
1164.73						46.0	-2992.00	6.43	214.54	-0.03	9557.54	-
1016.73						46.0	-2992.00	6.43	214.54	-0.03	9557.54	-
868.74	41	-965.41	9266.65	-6.64e-04	0.0	0.0	-2964.97	29.28	323.47	-0.26	-5612.97	-
29		-2312.44	-5612.97	5.09e-04	0.0	23.0	-2950.87	29.28	323.47	-0.26	1826.84	-
2312.44						46.0	-2936.77	29.28	323.47	-0.26	9266.65	-
1638.92						46.0	-2936.77	29.28	323.47	-0.26	9266.65	-
965.41	42	-1036.86	9561.07	-5.30e-04	0.0	0.0	-3017.58	45.06	213.03	-0.16	-238.39	-
29		-3109.67	-238.39	-9.87e-04	0.0	23.0	-3003.47	45.06	213.03	-0.16	4661.34	-
3109.67						46.0	-2989.37	45.06	213.03	-0.16	9561.07	-
2073.27						46.0	-2989.37	45.06	213.03	-0.16	9561.07	-
1036.86	43	-1133.54	9270.18	-5.69e-04	0.0	0.0	-2962.34	67.91	321.96	-0.39	-5540.06	-
29		-4257.38	-5540.06	4.94e-04	0.0	23.0	-2948.24	67.91	321.96	-0.39	1865.06	-
4257.38						46.0	-2934.14	67.91	321.96	-0.39	9270.18	-
2695.46						46.0	-2934.14	67.91	321.96	-0.39	9270.18	-
1133.54	49	-711.60	9390.81	-6.85e-04	0.0	0.0	-2990.07	-2.54	276.98	-0.11	-3350.26	-
29		-828.52	-3350.26	-2.73e-04	0.0	23.0	-2975.96	-2.54	276.98	-0.11	3020.27	-
711.60						46.0	-2961.86	-2.54	276.98	-0.11	9390.81	-
770.06						46.0	-2961.86	-2.54	276.98	-0.11	9390.81	-
828.52	50	-1173.75	9436.91	-5.09e-04	0.0	0.0	-2992.48	76.89	259.52	-0.31	-2501.10	-
29		-4710.50	-2501.10	-4.58e-04	0.0	23.0	-2978.38	76.89	259.52	-0.31	3467.91	-
4710.50						46.0	-2964.28	76.89	259.52	-0.31	9436.91	-
2942.13						46.0	-2964.28	76.89	259.52	-0.31	9436.91	-
1173.75	72	-920.86	9509.10	-6.13e-04	0.0	0.0	-3010.31	18.54	232.64	-0.10	-1192.36	-
29		-1773.82	-1192.36	-7.54e-04	0.0	23.0	-2996.21	18.54	232.64	-0.10	4158.37	-
1773.82						46.0	-2982.11	18.54	232.64	-0.10	9509.10	-
1347.34						46.0	-2982.11	18.54	232.64	-0.10	9509.10	-
920.86	73	-983.69	9316.55	-6.37e-04	0.0	0.0	-2973.76	33.35	304.74	-0.25	-4701.33	-
29		-2517.80	-4701.33	2.63e-04	0.0	23.0	-2959.66	33.35	304.74	-0.25	2307.61	-
2517.80						46.0	-2945.56	33.35	304.74	-0.25	9316.55	-
1750.75						46.0	-2945.56	33.35	304.74	-0.25	9316.55	-
983.69	74	-1018.58	9511.17	-5.57e-04	0.0	0.0	-3008.78	40.99	231.77	-0.17	-1150.03	-
29		-2904.30	-1150.03	-7.62e-04	0.0	23.0	-2994.68	40.99	231.77	-0.17	4180.57	-
2904.30						46.0	-2980.58	40.99	231.77	-0.17	9511.17	-
1961.44						46.0	-2980.58	40.99	231.77	-0.17	9511.17	-
1018.58	75	-1081.41	9318.62	-5.82e-04	0.0	0.0	-2972.24	55.80	303.86	-0.32	-4659.00	-
29		-3648.28	-4659.00	2.54e-04	0.0	23.0	-2958.13	55.80	303.86	-0.32	2329.81	-
3648.28						46.0	-2944.03	55.80	303.86	-0.32	9318.62	-
2364.85						46.0	-2944.03	55.80	303.86	-0.32	9318.62	-
1081.41	80	-1001.14	9413.86	-5.97e-04	0.0	0.0	-2991.27	37.17	268.25	-0.21	-2925.68	-
29		-2711.05	-2925.68	-3.64e-04	0.0	23.0	-2977.17	37.17	268.25	-0.21	3244.09	-
2711.05						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1856.09						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1001.14	81	-1001.14	9413.86	-5.97e-04	0.0	0.0	-2991.27	37.17	268.25	-0.21	-2925.68	-
29						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
2711.05						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-

1856.09		-2711.05	-2925.68	-3.64e-04	0.0	23.0	-2977.17	37.17	268.25	-0.21	3244.09	-
						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1001.14 29	82	-1001.14	9413.86	-5.97e-04	0.0	0.0	-2991.27	37.17	268.25	-0.21	-2925.68	-
2711.05												
1856.09		-2711.05	-2925.68	-3.64e-04	0.0	23.0	-2977.17	37.17	268.25	-0.21	3244.09	-
						46.0	-2963.07	37.17	268.25	-0.21	9413.86	-
1001.14 30	1	4187.92	2.504e+04	-3.69e-04	0.0	0.0	-3619.58	312.63	707.75	0.10	1.230e+04	-
1439.50												
1374.21		-1439.50	1.230e+04	1.21e-03	0.0	9.0	-3612.40	312.63	707.75	0.10	1.867e+04	-
						18.0	-3605.23	312.63	707.75	0.10	2.504e+04	-
4187.92 30	2	3221.48	1.926e+04	-2.83e-04	0.0	0.0	-2784.29	240.49	544.42	0.07	9458.38	-
1107.31												
1057.09		-1107.31	9458.38	9.27e-04	0.0	9.0	-2778.77	240.49	544.42	0.07	1.436e+04	-
						18.0	-2773.25	240.49	544.42	0.07	1.926e+04	-
3221.48 30	11	3221.48	1.926e+04	-2.83e-04	0.0	0.0	-2784.29	240.49	544.42	0.07	9458.38	-
1107.31												
1057.09		-1107.31	9458.38	9.27e-04	0.0	9.0	-2778.77	240.49	544.42	0.07	1.436e+04	-
						18.0	-2773.25	240.49	544.42	0.07	1.926e+04	-
3221.48 30	17	3889.15	1.920e+04	-2.94e-04	0.0	0.0	-2784.01	279.50	539.69	-0.19	9484.65	-
1142.45												
1373.35		-1142.45	9484.65	9.72e-04	0.0	9.0	-2778.49	279.50	539.69	-0.19	1.434e+04	-
						18.0	-2772.97	279.50	539.69	-0.19	1.920e+04	-
3889.15 30	20	3889.87	1.932e+04	-2.94e-04	0.0	0.0	-2786.54	279.54	549.78	-0.18	9428.48	-
1142.09												
1373.89		-1142.09	9428.48	8.77e-04	0.0	9.0	-2781.02	279.54	549.78	-0.18	1.438e+04	-
						18.0	-2775.50	279.54	549.78	-0.18	1.932e+04	-
3889.87 30	40	3563.60	1.950e+04	-2.72e-04	0.0	0.0	-2789.26	261.05	563.94	-0.49	9350.07	-
1135.92												
1213.84		-1135.92	9350.07	7.44e-04	0.0	9.0	-2783.74	261.05	563.94	-0.49	1.443e+04	-
						18.0	-2778.22	261.05	563.94	-0.49	1.950e+04	-
3563.60 30	42	3190.57	1.951e+04	-2.63e-04	0.0	0.0	-2788.75	239.37	564.27	-0.43	9348.36	-
1118.64												
1035.97		-1118.64	9348.36	7.41e-04	0.0	9.0	-2783.24	239.37	564.27	-0.43	1.443e+04	-
						18.0	-2777.72	239.37	564.27	-0.43	1.951e+04	-
3190.57 30	43	2879.36	1.901e+04	-2.95e-04	0.0	0.0	-2779.32	219.93	524.90	0.64	9566.69	-
1078.69												
900.34		-1078.69	9566.69	1.11e-03	0.0	9.0	-2773.81	219.93	524.90	0.64	1.429e+04	-
						18.0	-2768.29	219.93	524.90	0.64	1.901e+04	-
2879.36 30	49	3612.86	1.922e+04	-2.89e-04	0.0	0.0	-2784.05	263.37	541.37	-0.09	9475.37	-
1128.09												
1242.39		-1128.09	9475.37	9.56e-04	0.0	9.0	-2778.53	263.37	541.37	-0.09	1.435e+04	-
						18.0	-2773.01	263.37	541.37	-0.09	1.922e+04	-
3612.86 30	72	3429.36	1.942e+04	-2.76e-04	0.0	0.0	-2787.56	252.99	557.36	-0.29	9386.62	-
1124.81												
1152.27		-1124.81	9386.62	8.06e-04	0.0	9.0	-2782.04	252.99	557.36	-0.29	1.440e+04	-
						18.0	-2776.52	252.99	557.36	-0.29	1.942e+04	-
3429.36 30	74	3212.51	1.942e+04	-2.71e-04	0.0	0.0	-2787.27	240.38	557.56	-0.25	9385.59	-
1114.77												
1048.87		-1114.77	9385.59	8.04e-04	0.0	9.0	-2781.75	240.38	557.56	-0.25	1.440e+04	-
						18.0	-2776.23	240.38	557.56	-0.25	1.942e+04	-
3212.51												

30	75	3013.60	1.910e+04	-2.91e-04	0.0	0.0	-2781.02	227.99	531.49	0.44	9530.14	-
1089.80		-1089.80	9530.14	1.05e-03	0.0	9.0	-2775.50	227.99	531.49	0.44	1.431e+04	
961.90						18.0	-2769.99	227.99	531.49	0.44	1.910e+04	
3013.60	80	3221.48	1.926e+04	-2.83e-04	0.0	0.0	-2784.29	240.49	544.42	0.07	9458.38	-
1107.31		-1107.31	9458.38	9.27e-04	0.0	9.0	-2778.77	240.49	544.42	0.07	1.436e+04	
1057.09						18.0	-2773.25	240.49	544.42	0.07	1.926e+04	
3221.48	81	3221.48	1.926e+04	-2.83e-04	0.0	0.0	-2784.29	240.49	544.42	0.07	9458.38	-
1107.31		-1107.31	9458.38	9.27e-04	0.0	9.0	-2778.77	240.49	544.42	0.07	1.436e+04	
1057.09						18.0	-2773.25	240.49	544.42	0.07	1.926e+04	
3221.48	82	3221.48	1.926e+04	-2.83e-04	0.0	0.0	-2784.29	240.49	544.42	0.07	9458.38	-
1107.31		-1107.31	9458.38	9.27e-04	0.0	9.0	-2778.77	240.49	544.42	0.07	1.436e+04	
1057.09						18.0	-2773.25	240.49	544.42	0.07	1.926e+04	
3221.48	1	-2467.08	1081.40	-2.42e-04	0.0	0.0	-3919.41	-30.38	7.91	-0.26	772.99	-
2467.08		-3652.08	772.99	3.91e-04	0.0	19.5	-3903.87	-30.38	7.91	-0.26	927.20	-
3059.58						39.0	-3888.33	-30.38	7.91	-0.26	1081.40	-
3652.08	2	-1897.76	831.85	-1.86e-04	0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-
1897.76		-2809.29	594.61	3.01e-04	0.0	19.5	-3002.98	-23.37	6.08	-0.20	713.23	-
2353.52						39.0	-2991.02	-23.37	6.08	-0.20	831.85	-
2809.29	11	-1897.76	831.85	-1.86e-04	0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-
1897.76		-2809.29	594.61	3.01e-04	0.0	19.5	-3002.98	-23.37	6.08	-0.20	713.23	-
2353.52						39.0	-2991.02	-23.37	6.08	-0.20	831.85	-
2809.29	24	1188.16	1633.87	-7.16e-04	0.0	0.0	-3006.65	13.88	15.22	1.36	1040.24	
31		646.96	1040.24	-1.02e-04	0.0	19.5	-2994.69	13.88	15.22	1.36	1337.06	
646.96						39.0	-2982.74	13.88	15.22	1.36	1633.87	
917.56	27	-4442.47	148.98	3.44e-04	0.0	0.0	-3023.22	-60.62	-3.06	-1.76	148.98	-
1188.16		-6806.74	29.82	6.73e-04	0.0	19.5	-3011.26	-60.62	-3.06	-1.76	89.40	-
31						39.0	-2999.31	-60.62	-3.06	-1.76	29.82	-
4442.47	44	-1606.80	4052.23	-2.90e-04	0.0	0.0	-2968.84	-18.79	42.83	-8.22	2381.79	-
5624.61		-2339.48	2381.79	-1.20e-03	0.0	19.5	-2956.88	-18.79	42.83	-8.22	3217.01	-
6806.74						39.0	-2944.93	-18.79	42.83	-8.22	4052.23	-
31	45	-741.70	-1141.97	-3.92e-04	0.0	0.0	-3062.06	-6.72	-29.66	7.37	-1141.97	-
1606.80		-1003.75	-2298.79	1.77e-03	0.0	19.5	-3050.11	-6.72	-29.66	7.37	-1720.38	-
1973.14						39.0	-3038.15	-6.72	-29.66	7.37	-2298.79	-
2339.48	46	-3053.81	3962.49	7.05e-05	0.0	0.0	-2967.80	-40.03	41.83	-7.77	2331.18	-
31		-4614.83	2331.18	-1.17e-03	0.0	19.5	-2955.85	-40.03	41.83	-7.77	3146.84	-
3053.81						39.0	-2943.89	-40.03	41.83	-7.77	3962.49	-
3834.32	47	-2188.72	-1192.58	-8.29e-05	0.0	0.0	-3061.03	-27.96	-30.67	7.82	-1192.58	-
4614.83		-3279.10	-2388.53	1.81e-03	0.0	19.5	-3049.07	-27.96	-30.67	7.82	-1790.56	-
31												
2188.72												
2733.91												

3279.10						39.0	-3037.12	-27.96	-30.67	7.82	-2388.53	-	
31						0.0	0.0	-3009.44	-1.59	11.90	0.84	877.91	-
408.97	56	-408.97	1342.01	-4.96e-04	0.0	0.0	-3009.44	-1.59	11.90	0.84	877.91	-	
		-470.87	877.91	6.36e-05	0.0	19.5	-2997.49	-1.59	11.90	0.84	1109.96	-	
439.92													
470.87						39.0	-2985.53	-1.59	11.90	0.84	1342.01	-	
31						0.0	0.0	-3020.42	-45.16	0.27	-1.24	311.30	-
3386.54	59	-3386.54	321.68	1.45e-04	0.0	0.0	-3020.42	-45.16	0.27	-1.24	311.30	-	
		-5147.72	311.30	5.38e-04	0.0	19.5	-3008.47	-45.16	0.27	-1.24	316.49	-	
4267.13													
5147.72						39.0	-2996.51	-45.16	0.27	-1.24	321.68	-	
31						0.0	0.0	-2984.38	-21.11	30.36	-5.35	1775.35	-
1757.55	76	-1757.55	2959.57	-2.43e-04	0.0	0.0	-2984.38	-21.11	30.36	-5.35	1775.35	-	
		-2580.92	1775.35	-6.93e-04	0.0	19.5	-2972.43	-21.11	30.36	-5.35	2367.46	-	
2169.23													
2580.92						39.0	-2960.47	-21.11	30.36	-5.35	2959.57	-	
31						0.0	0.0	-3046.10	-13.29	-17.62	4.67	-556.81	-
1196.90	77	-1196.90	-556.81	-3.09e-04	0.0	0.0	-3046.10	-13.29	-17.62	4.67	-556.81	-	
		-1715.13	-1243.82	1.27e-03	0.0	19.5	-3034.14	-13.29	-17.62	4.67	-900.31	-	
1456.02													
1715.13						39.0	-3022.19	-13.29	-17.62	4.67	-1243.82	-	
31						0.0	0.0	-2983.77	-33.46	29.78	-5.07	1746.02	-
2598.61	78	-2598.61	2907.52	-6.33e-05	0.0	0.0	-2983.77	-33.46	29.78	-5.07	1746.02	-	
		-3903.45	1746.02	-6.71e-04	0.0	19.5	-2971.81	-33.46	29.78	-5.07	2326.77	-	
3251.03													
3903.45						39.0	-2959.86	-33.46	29.78	-5.07	2907.52	-	
31						0.0	0.0	-3045.48	-25.63	-18.20	4.95	-586.13	-
2037.97	79	-2037.97	-586.13	-1.30e-04	0.0	0.0	-3045.48	-25.63	-18.20	4.95	-586.13	-	
		-3037.66	-1295.88	1.30e-03	0.0	19.5	-3033.53	-25.63	-18.20	4.95	-941.00	-	
2537.82													
3037.66						39.0	-3021.57	-25.63	-18.20	4.95	-1295.88	-	
31						0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-
1897.76	80	-1897.76	831.85	-1.86e-04	0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-	
		-2809.29	594.61	3.01e-04	0.0	19.5	-3002.98	-23.37	6.08	-0.20	713.23	-	
2353.52													
2809.29						39.0	-2991.02	-23.37	6.08	-0.20	831.85	-	
31						0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-
1897.76	81	-1897.76	831.85	-1.86e-04	0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-	
		-2809.29	594.61	3.01e-04	0.0	19.5	-3002.98	-23.37	6.08	-0.20	713.23	-	
2353.52													
2809.29						39.0	-2991.02	-23.37	6.08	-0.20	831.85	-	
31						0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-
1897.76	82	-1897.76	831.85	-1.86e-04	0.0	0.0	-3014.93	-23.37	6.08	-0.20	594.61	-	
		-2809.29	594.61	3.01e-04	0.0	19.5	-3002.98	-23.37	6.08	-0.20	713.23	-	
2353.52													
2809.29						39.0	-2991.02	-23.37	6.08	-0.20	831.85	-	
32						0.0	0.0	-3888.94	48.32	-348.89	0.27	3804.77	-
3524.38	1	-1301.48	3804.77	-7.76e-04	0.0	0.0	-3888.94	48.32	-348.89	0.27	3804.77	-	
		-3524.38	-1.224e+04	4.73e-04	0.0	23.0	-3870.61	48.32	-348.89	0.27	-4219.72	-	
2412.93													
1301.48						46.0	-3852.28	48.32	-348.89	0.27	-1.224e+04	-	
32						0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-
2711.06	2	-1001.14	2926.74	-5.97e-04	0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-	
		-2711.06	-9418.61	3.64e-04	0.0	23.0	-2977.39	37.17	-268.38	0.21	-3245.94	-	
1856.10													
1001.14						46.0	-2963.29	37.17	-268.38	0.21	-9418.61	-	
32						0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-
2711.06	11	-1001.14	2926.74	-5.97e-04	0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-	
		-2711.06	-9418.61	3.64e-04	0.0	23.0	-2977.39	37.17	-268.38	0.21	-3245.94	-	
1856.10													
1001.14						46.0	-2963.29	37.17	-268.38	0.21	-9418.61	-	
32						0.0	0.0	-2990.21	-30.74	-282.12	0.03	3594.92	-
708.45	24	708.45	3594.92	-7.49e-04	0.0	0.0	-2990.21	-30.74	-282.12	0.03	3594.92	-	

1.33		-705.79	-9382.50	2.27e-04	0.0	23.0	-2976.11	-30.74	-282.12	0.03	-2893.79	
705.79						46.0	-2962.01	-30.74	-282.12	0.03	-9382.50	-
32	27	-1296.49	2258.56	-4.45e-04	0.0	0.0	-2992.77	105.09	-254.64	0.39	2258.56	-
6130.56												
		-6130.56	-9454.73	5.12e-04	0.0	23.0	-2978.67	105.09	-254.64	0.39	-3598.08	-
3713.53												
						46.0	-2964.57	105.09	-254.64	0.39	-9454.73	-
1296.49												
32	44	-965.36	5614.85	-6.64e-04	0.0	0.0	-2965.23	29.28	-323.61	0.26	5614.85	-
2312.23												
		-2312.23	-9271.29	-5.09e-04	0.0	23.0	-2951.13	29.28	-323.61	0.26	-1828.22	-
1638.79												
						46.0	-2937.03	29.28	-323.61	0.26	-9271.29	-
965.36												
32	45	-868.66	312.31	-6.25e-04	0.0	0.0	-3020.46	6.42	-214.67	0.03	312.31	-
1164.01												
		-1164.01	-9562.38	9.73e-04	0.0	23.0	-3006.36	6.42	-214.67	0.03	-4625.04	-
1016.34												
						46.0	-2992.26	6.42	-214.67	0.03	-9562.38	-
868.66												
32	46	-1133.61	5541.18	-5.69e-04	0.0	0.0	-2962.52	67.93	-322.09	0.39	5541.18	-
4258.10												
		-4258.10	-9274.85	-4.94e-04	0.0	23.0	-2948.42	67.93	-322.09	0.39	-1866.83	-
2695.86												
						46.0	-2934.32	67.93	-322.09	0.39	-9274.85	-
1133.61												
32	47	-1036.92	238.64	-5.31e-04	0.0	0.0	-3017.75	45.06	-213.14	0.16	238.64	-
3109.88												
		-3109.88	-9565.94	9.87e-04	0.0	23.0	-3003.65	45.06	-213.14	0.16	-4663.65	-
2073.40												
						46.0	-2989.55	45.06	-213.14	0.16	-9565.94	-
1036.92												
32	56	-710.64	3352.01	-6.85e-04	0.0	0.0	-2990.36	-2.56	-277.12	0.11	3352.01	-
710.64												
		-828.39	-9395.54	2.74e-04	0.0	23.0	-2976.26	-2.56	-277.12	0.11	-3021.76	-
769.52												
						46.0	-2962.16	-2.56	-277.12	0.11	-9395.54	-
828.39												
32	59	-1173.88	2501.47	-5.09e-04	0.0	0.0	-2992.62	76.90	-259.63	0.31	2501.47	-
4711.47												
		-4711.47	-9441.69	4.59e-04	0.0	23.0	-2978.52	76.90	-259.63	0.31	-3470.11	-
2942.68												
						46.0	-2964.42	76.90	-259.63	0.31	-9441.69	-
1173.88												
32	76	-983.66	4702.89	-6.37e-04	0.0	0.0	-2974.01	33.35	-304.87	0.25	4702.89	-
2517.66												
		-2517.66	-9321.24	-2.63e-04	0.0	23.0	-2959.91	33.35	-304.87	0.25	-2309.17	-
1750.66												
						46.0	-2945.81	33.35	-304.87	0.25	-9321.24	-
983.66												
32	77	-920.82	1193.36	-6.13e-04	0.0	0.0	-3010.55	18.53	-232.77	0.10	1193.36	-
1773.43												
		-1773.43	-9513.92	7.54e-04	0.0	23.0	-2996.45	18.53	-232.77	0.10	-4160.28	-
1347.13												
						46.0	-2982.35	18.53	-232.77	0.10	-9513.92	-
920.82												
32	78	-1081.45	4660.12	-5.82e-04	0.0	0.0	-2972.43	55.81	-303.99	0.32	4660.12	-
3648.69												
		-3648.69	-9323.31	-2.54e-04	0.0	23.0	-2958.33	55.81	-303.99	0.32	-2331.60	-
2365.07												
						46.0	-2944.23	55.81	-303.99	0.32	-9323.31	-
1081.45												
32	79	-1018.62	1150.59	-5.57e-04	0.0	0.0	-3008.97	41.00	-231.88	0.17	1150.59	-
2904.46												
		-2904.46	-9515.99	7.62e-04	0.0	23.0	-2994.87	41.00	-231.88	0.17	-4182.70	-
1961.54												
						46.0	-2980.77	41.00	-231.88	0.17	-9515.99	-
1018.62												
32	80	-1001.14	2926.74	-5.97e-04	0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-
2711.06												
		-2711.06	-9418.61	3.64e-04	0.0	23.0	-2977.39	37.17	-268.38	0.21	-3245.94	-
1856.10												
						46.0	-2963.29	37.17	-268.38	0.21	-9418.61	-
1001.14												

32	81	-1001.14	2926.74	-5.97e-04	0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-
2711.06		-2711.06	-9418.61	3.64e-04	0.0	23.0	-2977.39	37.17	-268.38	0.21	-3245.94	-
1856.10						46.0	-2963.29	37.17	-268.38	0.21	-9418.61	-
1001.14	82	-1001.14	2926.74	-5.97e-04	0.0	0.0	-2991.49	37.17	-268.38	0.21	2926.74	-
32		-2711.06	-9418.61	3.64e-04	0.0	23.0	-2977.39	37.17	-268.38	0.21	-3245.94	-
2711.06						46.0	-2963.29	37.17	-268.38	0.21	-9418.61	-
1856.10												
1001.14	1	4187.94-1.230e+04	-3.69e-04	0.0	0.0	-3619.83	312.64	-708.09	-0.10	-1.230e+04	-	
33		-1439.50-2.505e+04	-1.21e-03	0.0	9.0	-3612.66	312.64	-708.09	-0.10	-1.867e+04	-	
1439.50						18.0	-3605.49	312.64	-708.09	-0.10	-2.505e+04	-
1374.22												
4187.94	2	3221.49	-9463.01	-2.83e-04	0.0	0.0	-2784.49	240.49	-544.68	-0.07	-9463.01	-
33		-1107.31-1.927e+04	-9.28e-04	0.0	9.0	-2778.97	240.49	-544.68	-0.07	-1.437e+04	-	
1107.31						18.0	-2773.45	240.49	-544.68	-0.07	-1.927e+04	-
1057.09												
3221.49	11	3221.49	-9463.01	-2.83e-04	0.0	0.0	-2784.49	240.49	-544.68	-0.07	-9463.01	-
33		-1107.31-1.927e+04	-9.28e-04	0.0	9.0	-2778.97	240.49	-544.68	-0.07	-1.437e+04	-	
1107.31						18.0	-2773.45	240.49	-544.68	-0.07	-1.927e+04	-
1057.09												
3221.49	24	3888.35	-9489.03	-2.94e-04	0.0	0.0	-2784.28	279.45	-539.99	0.19	-9489.03	-
33		-1142.23-1.921e+04	-9.73e-04	0.0	9.0	-2778.77	279.45	-539.99	0.19	-1.435e+04	-	
1142.23						18.0	-2773.25	279.45	-539.99	0.19	-1.921e+04	-
1373.06												
3888.35	29	3889.04	-9432.90	-2.94e-04	0.0	0.0	-2786.82	279.48	-550.08	0.18	-9432.90	-
33		-1141.90-1.933e+04	-8.78e-04	0.0	9.0	-2781.30	279.48	-550.08	0.18	-1.438e+04	-	
1141.90						18.0	-2775.78	279.48	-550.08	0.18	-1.933e+04	-
1373.57												
3889.04	45	3563.47	-9354.70	-2.72e-04	0.0	0.0	-2789.48	261.04	-564.22	0.49	-9354.70	-
33		-1135.93-1.951e+04	-7.45e-04	0.0	9.0	-2783.96	261.04	-564.22	0.49	-1.443e+04	-	
1135.93						18.0	-2778.44	261.04	-564.22	0.49	-1.951e+04	-
1213.77												
3563.47	46	2879.51	-9571.32	-2.95e-04	0.0	0.0	-2779.50	219.94	-525.14	-0.64	-9571.32	-
33		-1078.69-1.902e+04	-1.11e-03	0.0	9.0	-2773.98	219.94	-525.14	-0.64	-1.430e+04	-	
1078.69						18.0	-2768.46	219.94	-525.14	-0.64	-1.902e+04	-
900.41												
2879.51	47	3190.97	-9353.13	-2.63e-04	0.0	0.0	-2788.93	239.40	-564.52	0.43	-9353.13	-
33		-1118.78-1.951e+04	-7.42e-04	0.0	9.0	-2783.41	239.40	-564.52	0.43	-1.443e+04	-	
1118.78						18.0	-2777.89	239.40	-564.52	0.43	-1.951e+04	-
1036.09												
3190.97	56	3612.41	-9479.86	-2.89e-04	0.0	0.0	-2784.29	263.34	-541.65	0.09	-9479.86	-
33		-1127.97-1.923e+04	-9.57e-04	0.0	9.0	-2778.77	263.34	-541.65	0.09	-1.435e+04	-	
1127.97						18.0	-2773.25	263.34	-541.65	0.09	-1.923e+04	-
1242.22												
3612.41	77	3429.31	-9391.26	-2.76e-04	0.0	0.0	-2787.77	252.98	-557.62	0.29	-9391.26	-
33		-1124.81-1.943e+04	-8.07e-04	0.0	9.0	-2782.25	252.98	-557.62	0.29	-1.441e+04	-	
1124.81						18.0	-2776.73	252.98	-557.62	0.29	-1.943e+04	-
1152.25												
3429.31	78	3013.67	-9534.76	-2.91e-04	0.0	0.0	-2781.21	227.99	-531.74	-0.44	-9534.76	-
33		-1089.80-1.911e+04	-1.05e-03	0.0	9.0	-2775.69	227.99	-531.74	-0.44	-1.432e+04	-	
1089.80												
961.94												

3013.67						18.0	-2770.17	227.99	-531.74	-0.44	-1.911e+04	
33	79	3212.76	-9390.31	-2.71e-04	0.0	0.0	-2787.45	240.40	-557.81	0.25	-9390.31	-
1114.85		-1114.85	-1.943e+04	-8.05e-04	0.0	9.0	-2781.93	240.40	-557.81	0.25	-1.441e+04	
1048.96						18.0	-2776.42	240.40	-557.81	0.25	-1.943e+04	
3212.76												
33	80	3221.49	-9463.01	-2.83e-04	0.0	0.0	-2784.49	240.49	-544.68	-0.07	-9463.01	-
1107.31		-1107.31	-1.927e+04	-9.28e-04	0.0	9.0	-2778.97	240.49	-544.68	-0.07	-1.437e+04	
1057.09						18.0	-2773.45	240.49	-544.68	-0.07	-1.927e+04	
3221.49												
33	81	3221.49	-9463.01	-2.83e-04	0.0	0.0	-2784.49	240.49	-544.68	-0.07	-9463.01	-
1107.31		-1107.31	-1.927e+04	-9.28e-04	0.0	9.0	-2778.97	240.49	-544.68	-0.07	-1.437e+04	
1057.09						18.0	-2773.45	240.49	-544.68	-0.07	-1.927e+04	
3221.49												
33	82	3221.49	-9463.01	-2.83e-04	0.0	0.0	-2784.49	240.49	-544.68	-0.07	-9463.01	-
1107.31		-1107.31	-1.927e+04	-9.28e-04	0.0	9.0	-2778.97	240.49	-544.68	-0.07	-1.437e+04	
1057.09						18.0	-2773.45	240.49	-544.68	-0.07	-1.927e+04	
3221.49												
34	1	-2467.08	-772.99	-2.42e-04	0.0	0.0	-3919.41	-30.38	-7.91	0.26	-772.99	-
2467.08		-3652.08	-1081.40	-3.91e-04	0.0	19.5	-3903.87	-30.38	-7.91	0.26	-927.20	-
3059.58						39.0	-3888.33	-30.38	-7.91	0.26	-1081.40	-
3652.08												
34	2	-1897.76	-594.61	-1.86e-04	0.0	0.0	-3014.93	-23.37	-6.08	0.20	-594.61	-
1897.76		-2809.29	-831.85	-3.01e-04	0.0	19.5	-3002.98	-23.37	-6.08	0.20	-713.23	-
2353.52						39.0	-2991.02	-23.37	-6.08	0.20	-831.85	-
2809.29												
34	11	-1897.76	-594.61	-1.86e-04	0.0	0.0	-3014.93	-23.37	-6.08	0.20	-594.61	-
1897.76		-2809.29	-831.85	-3.01e-04	0.0	19.5	-3002.98	-23.37	-6.08	0.20	-713.23	-
2353.52						39.0	-2991.02	-23.37	-6.08	0.20	-831.85	-
2809.29												
34	25	1631.14	-871.85	-7.80e-04	0.0	0.0	-3006.28	18.03	-11.88	-2.93	-871.85	-
928.02		928.02	-1335.20	-5.52e-05	0.0	19.5	-2994.32	18.03	-11.88	-2.93	-1103.53	-
1279.58						39.0	-2982.37	18.03	-11.88	-2.93	-1335.20	-
1631.14												
34	26	-4723.54	-317.37	4.07e-04	0.0	0.0	-3023.59	-64.77	-0.29	3.33	-317.37	-
4723.54		-7249.72	-328.49	-5.47e-04	0.0	19.5	-3011.63	-64.77	-0.29	3.33	-322.93	-
5986.63						39.0	-2999.68	-64.77	-0.29	3.33	-328.49	-
7249.72												
34	44	-657.42	2388.39	-4.11e-04	0.0	0.0	-3061.95	-5.47	30.66	-7.84	1192.48	-
657.42		-870.90	1192.48	-1.81e-03	0.0	19.5	-3049.99	-5.47	30.66	-7.84	1790.44	-
764.16						39.0	-3038.04	-5.47	30.66	-7.84	2388.39	-
870.90												
34	47	-3138.10	-2381.70	8.36e-05	0.0	0.0	-2967.92	-41.27	-42.83	8.24	-2381.70	-
3138.10		-4747.68	-4052.09	1.20e-03	0.0	19.5	-2955.96	-41.27	-42.83	8.24	-3216.89	-
3942.89						39.0	-2944.01	-41.27	-42.83	8.24	-4052.09	-
4747.68												
34	57	-211.03	-780.34	-5.33e-04	0.0	0.0	-3009.24	0.85	-9.96	-1.82	-780.34	-
244.09		-244.09	-1168.78	-1.37e-04	0.0	19.5	-2997.28	0.85	-9.96	-1.82	-974.56	-
227.56						39.0	-2985.33	0.85	-9.96	-1.82	-1168.78	-
211.03												
34	58	-3551.42	-408.88	1.75e-04	0.0	0.0	-3020.63	-47.59	-2.21	2.22	-408.88	-
3551.42												

4479.49		-5407.55	-494.92	-4.65e-04	0.0	19.5	-3008.67	-47.59	-2.21	2.22	-451.90	-
						39.0	-2996.72	-47.59	-2.21	2.22	-494.92	-
5407.55	76	-1147.46	1295.79	-3.21e-04	0.0	0.0	-3046.03	-12.56	18.20	-4.96	586.08	-
34												
1147.46		-1637.21	586.08	-1.30e-03	0.0	19.5	-3034.08	-12.56	18.20	-4.96	940.94	-
1392.34						39.0	-3022.12	-12.56	18.20	-4.96	1295.79	-
1637.21	79	-2648.05	-1775.29	-5.21e-05	0.0	0.0	-2983.83	-34.19	-30.36	5.36	-1775.29	-
34												
2648.05		-3981.37	-2959.49	6.93e-04	0.0	19.5	-2971.88	-34.19	-30.36	5.36	-2367.39	-
3314.71						39.0	-2959.92	-34.19	-30.36	5.36	-2959.49	-
3981.37	80	-1897.76	-594.61	-1.86e-04	0.0	0.0	-3014.93	-23.37	-6.08	0.20	-594.61	-
34												
1897.76		-2809.29	-831.85	-3.01e-04	0.0	19.5	-3002.98	-23.37	-6.08	0.20	-713.23	-
2353.52						39.0	-2991.02	-23.37	-6.08	0.20	-831.85	-
2809.29	81	-1897.76	-594.61	-1.86e-04	0.0	0.0	-3014.93	-23.37	-6.08	0.20	-594.61	-
34												
1897.76		-2809.29	-831.85	-3.01e-04	0.0	19.5	-3002.98	-23.37	-6.08	0.20	-713.23	-
2353.52						39.0	-2991.02	-23.37	-6.08	0.20	-831.85	-
2809.29	82	-1897.76	-594.61	-1.86e-04	0.0	0.0	-3014.93	-23.37	-6.08	0.20	-594.61	-
34												
1897.76		-2809.29	-831.85	-3.01e-04	0.0	19.5	-3002.98	-23.37	-6.08	0.20	-713.23	-
2353.52						39.0	-2991.02	-23.37	-6.08	0.20	-831.85	-
2809.29	1	-1301.48	1.224e+04	-7.76e-04	0.0	0.0	-3888.94	48.32	348.89	-0.27	-3804.77	-
35												
3524.38		-3524.38	-3804.77	-4.73e-04	0.0	23.0	-3870.61	48.32	348.89	-0.27	4219.72	-
2412.93						46.0	-3852.28	48.32	348.89	-0.27	1.224e+04	-
1301.48	2	-1001.14	9418.61	-5.97e-04	0.0	0.0	-2991.49	37.17	268.38	-0.21	-2926.74	-
35												
2711.06		-2711.06	-2926.74	-3.64e-04	0.0	23.0	-2977.39	37.17	268.38	-0.21	3245.94	-
1856.10						46.0	-2963.29	37.17	268.38	-0.21	9418.61	-
1001.14	11	-1001.14	9418.61	-5.97e-04	0.0	0.0	-2991.49	37.17	268.38	-0.21	-2926.74	-
35												
2711.06		-2711.06	-2926.74	-3.64e-04	0.0	23.0	-2977.39	37.17	268.38	-0.21	3245.94	-
1856.10						46.0	-2963.29	37.17	268.38	-0.21	9418.61	-
1001.14	25	1081.18	9394.57	-7.71e-04	0.0	0.0	-2988.97	-38.15	277.05	-0.03	-3349.60	-
35												
1081.18		-673.79	-3349.60	-2.66e-04	0.0	23.0	-2974.87	-38.15	277.05	-0.03	3022.49	-
203.70						46.0	-2960.77	-38.15	277.05	-0.03	9394.57	-
673.79	26	-1328.49	9442.66	-4.23e-04	0.0	0.0	-2994.01	112.50	259.71	-0.39	-2503.88	-
35												
6503.30		-6503.30	-2503.88	-4.67e-04	0.0	23.0	-2979.91	112.50	259.71	-0.39	3469.39	-
3915.89						46.0	-2965.81	112.50	259.71	-0.39	9442.66	-
1328.49	40	-887.12	9562.62	-6.16e-04	0.0	0.0	-3020.19	10.62	214.58	-0.04	-308.01	-
35												
1375.48		-1375.48	-308.01	-9.74e-04	0.0	23.0	-3006.09	10.62	214.58	-0.04	4627.30	-
1131.30						46.0	-2991.99	10.62	214.58	-0.04	9562.62	-
887.12	43	-1115.16	9274.61	-5.78e-04	0.0	0.0	-2962.79	63.73	322.18	-0.38	-5545.48	-
35												
4046.64		-4046.64	-5545.48	4.95e-04	0.0	23.0	-2948.69	63.73	322.18	-0.38	1864.57	-
2580.90						46.0	-2934.59	63.73	322.18	-0.38	9274.61	-
1115.16												

35	44	-859.05	9566.01	-6.32e-04	0.0	0.0	-3020.09	4.20	213.15	-0.03	-238.71	-
1052.22		-1052.22	-238.71	-9.87e-04	0.0	23.0	-3005.99	4.20	213.15	-0.03	4663.65	-
955.63						46.0	-2991.89	4.20	213.15	-0.03	9566.01	-
859.05	47	-1143.23	9271.22	-5.62e-04	0.0	0.0	-2962.89	70.15	323.61	-0.39	-5614.77	-
4369.89		-4369.89	-5614.77	5.09e-04	0.0	23.0	-2948.79	70.15	323.61	-0.39	1828.23	-
2756.56						46.0	-2934.69	70.15	323.61	-0.39	9271.22	-
1143.23	57	-491.98	9402.59	-6.98e-04	0.0	0.0	-2989.65	-6.91	274.18	-0.11	-3209.59	-
491.98		-809.62	-3209.59	-2.97e-04	0.0	23.0	-2975.55	-6.91	274.18	-0.11	3096.50	-
650.80						46.0	-2961.45	-6.91	274.18	-0.11	9402.59	-
809.62	58	-1192.66	9434.64	-4.96e-04	0.0	0.0	-2993.33	81.25	262.58	-0.31	-2643.90	-
4930.14		-4930.14	-2643.90	-4.33e-04	0.0	23.0	-2979.23	81.25	262.58	-0.31	3395.37	-
3061.40						46.0	-2965.13	81.25	262.58	-0.31	9434.64	-
1192.66	72	-932.88	9514.07	-6.06e-04	0.0	0.0	-3010.37	21.28	232.71	-0.11	-1190.50	-
1911.79		-1911.79	-1190.50	-7.55e-04	0.0	23.0	-2996.27	21.28	232.71	-0.11	4161.79	-
1422.33						46.0	-2982.17	21.28	232.71	-0.11	9514.07	-
932.88	75	-1069.40	9323.16	-5.88e-04	0.0	0.0	-2972.61	53.06	304.05	-0.31	-4662.98	-
3510.33		-3510.33	-4662.98	2.55e-04	0.0	23.0	-2958.51	53.06	304.05	-0.31	2330.09	-
2289.86						46.0	-2944.41	53.06	304.05	-0.31	9323.16	-
1069.40	76	-915.18	9516.03	-6.16e-04	0.0	0.0	-3010.34	17.23	231.88	-0.10	-1150.64	-
1707.85		-1707.85	-1150.64	-7.62e-04	0.0	23.0	-2996.24	17.23	231.88	-0.10	4182.70	-
1311.52						46.0	-2982.14	17.23	231.88	-0.10	9516.03	-
915.18	79	-1087.10	9321.20	-5.78e-04	0.0	0.0	-2972.64	57.11	304.87	-0.32	-4702.85	-
3714.26		-3714.26	-4702.85	2.63e-04	0.0	23.0	-2958.54	57.11	304.87	-0.32	2309.17	-
2400.68						46.0	-2944.44	57.11	304.87	-0.32	9321.20	-
1087.10	80	-1001.14	9418.61	-5.97e-04	0.0	0.0	-2991.49	37.17	268.38	-0.21	-2926.74	-
2711.06		-2711.06	-2926.74	-3.64e-04	0.0	23.0	-2977.39	37.17	268.38	-0.21	3245.94	-
1856.10						46.0	-2963.29	37.17	268.38	-0.21	9418.61	-
1001.14	81	-1001.14	9418.61	-5.97e-04	0.0	0.0	-2991.49	37.17	268.38	-0.21	-2926.74	-
2711.06		-2711.06	-2926.74	-3.64e-04	0.0	23.0	-2977.39	37.17	268.38	-0.21	3245.94	-
1856.10						46.0	-2963.29	37.17	268.38	-0.21	9418.61	-
1001.14	82	-1001.14	9418.61	-5.97e-04	0.0	0.0	-2991.49	37.17	268.38	-0.21	-2926.74	-
2711.06		-2711.06	-2926.74	-3.64e-04	0.0	23.0	-2977.39	37.17	268.38	-0.21	3245.94	-
1856.10						46.0	-2963.29	37.17	268.38	-0.21	9418.61	-
1001.14	1	4187.94	2.505e+04	-3.69e-04	0.0	0.0	-3619.83	312.64	708.09	0.10	1.230e+04	-
1439.50		-1439.50	1.230e+04	1.21e-03	0.0	9.0	-3612.66	312.64	708.09	0.10	1.867e+04	-
1374.22						18.0	-3605.49	312.64	708.09	0.10	2.505e+04	-
4187.94	2	3221.49	1.927e+04	-2.83e-04	0.0	0.0	-2784.49	240.49	544.68	0.07	9463.01	-
1107.31		-1107.31	9463.01	9.28e-04	0.0	9.0	-2778.97	240.49	544.68	0.07	1.437e+04	-
1057.09												-

3221.49						18.0	-2773.45	240.49	544.68	0.07	1.927e+04	
36	11	3221.49	1.927e+04	-2.83e-04	0.0	0.0	-2784.49	240.49	544.68	0.07	9463.01	-
1107.31		-1107.31	9463.01	9.28e-04	0.0	9.0	-2778.97	240.49	544.68	0.07	1.437e+04	
1057.09						18.0	-2773.45	240.49	544.68	0.07	1.927e+04	
3221.49	17	3765.30	1.921e+04	-2.91e-04	0.0	0.0	-2783.88	272.47	540.09	-0.17	9488.31	-
36		-1139.51	9488.31	9.72e-04	0.0	9.0	-2778.36	272.47	540.09	-0.17	1.435e+04	
1139.51						18.0	-2772.85	272.47	540.09	-0.17	1.921e+04	
1312.90	28	3913.02	1.935e+04	-2.98e-04	0.0	0.0	-2786.89	280.05	551.11	-0.15	9427.63	-
3765.30		-1128.34	9427.63	8.66e-04	0.0	9.0	-2781.37	280.05	551.11	-0.15	1.439e+04	
36						18.0	-2775.85	280.05	551.11	-0.15	1.935e+04	
1128.34	44	3570.57	1.951e+04	-2.74e-04	0.0	0.0	-2789.50	261.20	564.53	-0.48	9353.12	-
1392.34		-1131.85	9353.12	7.42e-04	0.0	9.0	-2783.98	261.20	564.53	-0.48	1.443e+04	
3913.02						18.0	-2778.46	261.20	564.53	-0.48	1.951e+04	
36	47	2872.41	1.902e+04	-2.93e-04	0.0	0.0	-2779.48	219.77	524.84	0.63	9572.91	-
1131.85		-1082.76	9572.91	1.11e-03	0.0	9.0	-2773.96	219.77	524.84	0.63	1.430e+04	
1219.36						18.0	-2768.44	219.77	524.84	0.63	1.902e+04	
3570.57	49	3530.73	1.923e+04	-2.87e-04	0.0	0.0	-2784.05	258.69	541.72	-0.08	9479.41	-
36		-1125.86	9479.41	9.56e-04	0.0	9.0	-2778.53	258.69	541.72	-0.08	1.435e+04	
1082.76						18.0	-2773.01	258.69	541.72	-0.08	1.923e+04	
894.82	57	3626.64	1.924e+04	-2.91e-04	0.0	0.0	-2784.34	263.68	542.27	-0.07	9476.65	-
2872.41		-1120.07	9476.65	9.50e-04	0.0	9.0	-2778.82	263.68	542.27	-0.07	1.436e+04	
36						18.0	-2773.30	263.68	542.27	-0.07	1.924e+04	
1120.07	76	3433.50	1.943e+04	-2.77e-04	0.0	0.0	-2787.78	253.08	557.81	-0.28	9390.30	-
1253.29		-1122.44	9390.30	8.05e-04	0.0	9.0	-2782.26	253.08	557.81	-0.28	1.441e+04	
3626.64						18.0	-2776.75	253.08	557.81	-0.28	1.943e+04	
36	79	3009.47	1.910e+04	-2.90e-04	0.0	0.0	-2781.19	227.89	531.55	0.43	9535.73	-
1122.44		-1092.18	9535.73	1.05e-03	0.0	9.0	-2775.68	227.89	531.55	0.43	1.432e+04	
1155.53						18.0	-2770.16	227.89	531.55	0.43	1.910e+04	
3433.50	80	3221.49	1.927e+04	-2.83e-04	0.0	0.0	-2784.49	240.49	544.68	0.07	9463.01	-
36		-1107.31	9463.01	9.28e-04	0.0	9.0	-2778.97	240.49	544.68	0.07	1.437e+04	
1092.18						18.0	-2773.45	240.49	544.68	0.07	1.927e+04	
958.65	81	3221.49	1.927e+04	-2.83e-04	0.0	0.0	-2784.49	240.49	544.68	0.07	9463.01	-
3009.47		-1107.31	9463.01	9.28e-04	0.0	9.0	-2778.97	240.49	544.68	0.07	1.437e+04	
36						18.0	-2773.45	240.49	544.68	0.07	1.927e+04	
1107.31	82	3221.49	1.927e+04	-2.83e-04	0.0	0.0	-2784.49	240.49	544.68	0.07	9463.01	-
1057.09		-1107.31	9463.01	9.28e-04	0.0	9.0	-2778.97	240.49	544.68	0.07	1.437e+04	
3221.49						18.0	-2773.45	240.49	544.68	0.07	1.927e+04	
36	1	-0.24	1080.71	0.0	0.0	0.0	-3972.42	-3.04e-03	7.90	-4.19e-05	772.50	-
1107.31												
1057.09												
3221.49												
36												
0.24												

0.30			-0.36	772.50	3.91e-04	0.0	19.5	-3956.88	-3.04e-03	7.90	-4.19e-05	926.61	-
							39.0	-3941.34	-3.04e-03	7.90	-4.19e-05	1080.71	-
0.36													
	37	2	-0.19	831.32	0.0	0.0	0.0	-3055.71	-2.34e-03	6.08	-3.23e-05	594.23	-
0.19													
			-0.28	594.23	3.01e-04	0.0	19.5	-3043.76	-2.34e-03	6.08	-3.23e-05	712.77	-
0.23													
							39.0	-3031.80	-2.34e-03	6.08	-3.23e-05	831.32	-
0.28													
	37	11	-0.19	831.32	0.0	0.0	0.0	-3055.71	-2.34e-03	6.08	-3.23e-05	594.23	-
0.19													
			-0.28	594.23	3.01e-04	0.0	19.5	-3043.76	-2.34e-03	6.08	-3.23e-05	712.77	-
0.23													
							39.0	-3031.80	-2.34e-03	6.08	-3.23e-05	831.32	-
0.28													
	37	21	4528.49	148.27	-5.88e-04	0.0	0.0	-3067.83	42.13	-3.12	3.47	148.27	-
2885.28													
			2885.28	26.68	6.80e-04	0.0	19.5	-3055.88	42.13	-3.12	3.47	87.47	-
3706.89													
							39.0	-3043.92	42.13	-3.12	3.47	26.68	-
4528.49													
	37	22	-2885.65	1635.95	5.87e-04	0.0	0.0	-3043.59	-42.14	15.28	-3.47	1040.19	-
2885.65													
			-4529.04	1040.19	-1.06e-04	0.0	19.5	-3031.64	-42.14	15.28	-3.47	1338.07	-
3707.35													
							39.0	-3019.68	-42.14	15.28	-3.47	1635.95	-
4529.04													
	37	37	210.01	-894.20	-7.10e-05	0.0	0.0	-3096.06	2.17	-24.61	-8.51	-894.20	-
125.23													
			125.23	-1854.11	1.56e-03	0.0	19.5	-3084.11	2.17	-24.61	-8.51	-1374.15	-
167.62													
							39.0	-3072.15	2.17	-24.61	-8.51	-1854.11	-
210.01													
	37	38	-125.61	3516.74	7.10e-05	0.0	0.0	-3015.36	-2.18	36.77	8.51	2082.66	-
125.61													
			-210.56	2082.66	-9.63e-04	0.0	19.5	-3003.41	-2.18	36.77	8.51	2799.70	-
168.08													
							39.0	-2991.45	-2.18	36.77	8.51	3516.74	-
210.56													
	37	53	2649.26	302.58	-3.43e-04	0.0	0.0	-3063.68	24.64	0.04	2.21	301.20	-
1688.13													
			1688.13	301.20	5.50e-04	0.0	19.5	-3051.73	24.64	0.04	2.21	301.89	-
2168.70													
							39.0	-3039.77	24.64	0.04	2.21	302.58	-
2649.26													
	37	54	-1688.50	1360.05	3.43e-04	0.0	0.0	-3047.74	-24.65	12.12	-2.21	887.26	-
1688.50													
			-2649.82	887.26	5.18e-05	0.0	19.5	-3035.79	-24.65	12.12	-2.21	1123.65	-
2169.16													
							39.0	-3023.83	-24.65	12.12	-2.21	1360.05	-
2649.82													
	37	69	53.89	-383.58	-3.54e-05	0.0	0.0	-3082.25	0.64	-14.09	-5.54	-383.58	-
28.77													
			28.77	-932.98	1.13e-03	0.0	19.5	-3070.30	0.64	-14.09	-5.54	-658.28	-
41.33													
							39.0	-3058.34	0.64	-14.09	-5.54	-932.98	-
53.89													
	37	70	-29.14	2595.61	3.54e-05	0.0	0.0	-3029.17	-0.65	26.25	5.54	1572.04	-
29.14													
			-54.45	1572.04	-5.30e-04	0.0	19.5	-3017.22	-0.65	26.25	5.54	2083.83	-
41.80													
							39.0	-3005.26	-0.65	26.25	5.54	2595.61	-
54.45													
	37	80	-0.19	831.32	0.0	0.0	0.0	-3055.71	-2.34e-03	6.08	-3.23e-05	594.23	-
0.19													
			-0.28	594.23	3.01e-04	0.0	19.5	-3043.76	-2.34e-03	6.08	-3.23e-05	712.77	-
0.23													
							39.0	-3031.80	-2.34e-03	6.08	-3.23e-05	831.32	-
0.28													
	37	81	-0.19	831.32	0.0	0.0	0.0	-3055.71	-2.34e-03	6.08	-3.23e-05	594.23	-
0.19													
			-0.28	594.23	3.01e-04	0.0	19.5	-3043.76	-2.34e-03	6.08	-3.23e-05	712.77	-
0.23													
							39.0	-3031.80	-2.34e-03	6.08	-3.23e-05	831.32	-
0.28													

37	82	-0.19	831.32	0.0	0.0	0.0	-3055.71	-2.34e-03	6.08	-3.23e-05	594.23	-
0.19		-0.28	594.23	3.01e-04	0.0	19.5	-3043.76	-2.34e-03	6.08	-3.23e-05	712.77	-
0.23						39.0	-3031.80	-2.34e-03	6.08	-3.23e-05	831.32	-
0.28												
38	1	-0.11	3803.05	0.0	0.0	0.0	-3889.62	-0.02	-348.70	-2.64e-04	3803.05	-
0.11		-0.92	-1.224e+04	4.73e-04	0.0	23.0	-3871.29	-0.02	-348.70	-2.64e-04	-4217.13	-
0.52						46.0	-3852.96	-0.02	-348.70	-2.64e-04	-1.224e+04	-
0.92												
38	2	-0.09	2925.42	0.0	0.0	0.0	-2992.02	-0.01	-268.23	-2.03e-04	2925.42	-
0.09		-0.71	-9413.31	3.64e-04	0.0	23.0	-2977.92	-0.01	-268.23	-2.03e-04	-3243.94	-
0.40						46.0	-2963.82	-0.01	-268.23	-2.03e-04	-9413.31	-
0.71												
38	11	-0.09	2925.42	0.0	0.0	0.0	-2992.02	-0.01	-268.23	-2.03e-04	2925.42	-
0.09		-0.71	-9413.31	3.64e-04	0.0	23.0	-2977.92	-0.01	-268.23	-2.03e-04	-3243.94	-
0.40						46.0	-2963.82	-0.01	-268.23	-2.03e-04	-9413.31	-
0.71												
38	21	3873.09	2253.10	-1.57e-04	0.0	0.0	-2999.17	-77.15	-254.42	-0.20	2253.10	-
3873.09		324.09	-9450.40	5.17e-04	0.0	23.0	-2985.07	-77.15	-254.42	-0.20	-3598.65	-
2098.59						46.0	-2970.97	-77.15	-254.42	-0.20	-9450.40	-
324.09												
38	22	-325.50	3597.74	1.56e-04	0.0	0.0	-2984.87	77.13	-282.04	0.20	3597.74	-
3873.26		-3873.26	-9376.21	2.22e-04	0.0	23.0	-2970.77	77.13	-282.04	0.20	-2889.24	-
2099.38						46.0	-2956.67	77.13	-282.04	0.20	-9376.21	-
325.50												
38	37	177.32	681.84	-5.91e-05	0.0	0.0	-3015.81	-3.50	-222.15	-0.19	681.84	-
177.32		16.48	-9537.03	8.86e-04	0.0	23.0	-3001.71	-3.50	-222.15	-0.19	-4427.60	-
96.90						46.0	-2987.61	-3.50	-222.15	-0.19	-9537.03	-
16.48												
38	38	-17.89	5169.00	5.90e-05	0.0	0.0	-2968.23	3.47	-314.32	0.19	5169.00	-
177.49		-177.49	-9289.58	-4.00e-04	0.0	23.0	-2954.13	3.47	-314.32	0.19	-2060.29	-
97.69						46.0	-2940.03	3.47	-314.32	0.19	-9289.58	-
17.89												
38	53	2265.98	2483.60	-9.05e-05	0.0	0.0	-2996.71	-45.15	-259.16	-0.11	2483.60	-
2265.98		189.26	-9437.70	4.64e-04	0.0	23.0	-2982.61	-45.15	-259.16	-0.11	-3477.05	-
1227.62						46.0	-2968.51	-45.15	-259.16	-0.11	-9437.70	-
189.26												
38	54	-190.68	3367.24	9.04e-05	0.0	0.0	-2987.33	45.12	-277.31	0.11	3367.24	-
2266.16		-2266.16	-9388.92	2.68e-04	0.0	23.0	-2973.23	45.12	-277.31	0.11	-3010.84	-
1228.42						46.0	-2959.13	45.12	-277.31	0.11	-9388.92	-
190.68												
38	69	44.53	1451.29	-3.56e-05	0.0	0.0	-3007.63	-0.87	-237.95	-0.12	1451.29	-
44.53		4.58	-9494.64	6.99e-04	0.0	23.0	-2993.53	-0.87	-237.95	-0.12	-4021.68	-
24.56						46.0	-2979.43	-0.87	-237.95	-0.12	-9494.64	-
4.58												
38	70	-6.00	4399.55	3.55e-05	0.0	0.0	-2976.40	0.84	-298.51	0.12	4399.55	-
44.71		-44.71	-9331.97	-1.89e-04	0.0	23.0	-2962.30	0.84	-298.51	0.12	-2466.21	-
25.35						46.0	-2948.20	0.84	-298.51	0.12	-9331.97	-
6.00												
38	80	-0.09	2925.42	0.0	0.0	0.0	-2992.02	-0.01	-268.23	-2.03e-04	2925.42	-
0.09		-0.71	-9413.31	3.64e-04	0.0	23.0	-2977.92	-0.01	-268.23	-2.03e-04	-3243.94	-
0.40												

							46.0	-2963.82	-0.01	-268.23	-2.03e-04	-9413.31	-
0.71													
38	81	-0.09	2925.42	0.0	0.0	0.0	-2992.02	-0.01	-268.23	-2.03e-04	2925.42	-	
0.09		-0.71	-9413.31	3.64e-04	0.0	23.0	-2977.92	-0.01	-268.23	-2.03e-04	-3243.94	-	
0.40													
							46.0	-2963.82	-0.01	-268.23	-2.03e-04	-9413.31	-
0.71													
38	82	-0.09	2925.42	0.0	0.0	0.0	-2992.02	-0.01	-268.23	-2.03e-04	2925.42	-	
0.09		-0.71	-9413.31	3.64e-04	0.0	23.0	-2977.92	-0.01	-268.23	-2.03e-04	-3243.94	-	
0.40													
							46.0	-2963.82	-0.01	-268.23	-2.03e-04	-9413.31	-
0.71													
39	1	-0.79	-1.230e+04	0.0	0.0	0.0	-3646.46	-0.09	-707.76	7.63e-04	-1.230e+04	-	
0.79		-2.40	-2.504e+04	-1.21e-03	0.0	9.0	-3639.29	-0.09	-707.76	7.63e-04	-1.867e+04	-	
1.59													
							18.0	-3632.11	-0.09	-707.76	7.63e-04	-2.504e+04	-
2.40													
39	2	-0.61	-9458.36	0.0	0.0	0.0	-2804.97	-0.07	-544.43	5.87e-04	-9458.36	-	
0.61		-1.84	-1.926e+04	-9.27e-04	0.0	9.0	-2799.45	-0.07	-544.43	5.87e-04	-1.436e+04	-	
1.23													
							18.0	-2793.93	-0.07	-544.43	5.87e-04	-1.926e+04	-
1.84													
39	11	-0.61	-9458.36	0.0	0.0	0.0	-2804.97	-0.07	-544.43	5.87e-04	-9458.36	-	
0.61		-1.84	-1.926e+04	-9.27e-04	0.0	9.0	-2799.45	-0.07	-544.43	5.87e-04	-1.436e+04	-	
1.23													
							18.0	-2793.93	-0.07	-544.43	5.87e-04	-1.926e+04	-
1.84													
39	16	637.92	-9486.96	-6.46e-06	0.0	0.0	-2803.66	36.95	-539.30	0.26	-9486.96	-	
27.98		-27.98	-1.919e+04	-9.75e-04	0.0	9.0	-2798.14	36.95	-539.30	0.26	-1.434e+04	-	
304.97													
							18.0	-2792.62	36.95	-539.30	0.26	-1.919e+04	-
637.92													
39	19	26.76	-9429.75	6.36e-06	0.0	0.0	-2806.28	-37.09	-549.56	-0.26	-9429.75	-	
26.76		-641.61	-1.932e+04	-8.79e-04	0.0	9.0	-2800.76	-37.09	-549.56	-0.26	-1.438e+04	-	
307.42													
							18.0	-2795.24	-37.09	-549.56	-0.26	-1.932e+04	-
641.61													
39	36	308.85	-9553.29	1.68e-05	0.0	0.0	-2800.64	19.10	-527.40	0.64	-9553.29	-	
34.99		-34.99	-1.905e+04	-1.09e-03	0.0	9.0	-2795.12	19.10	-527.40	0.64	-1.430e+04	-	
136.93													
							18.0	-2789.60	19.10	-527.40	0.64	-1.905e+04	-
308.85													
39	37	12.32	-9363.27	-2.07e-05	0.0	0.0	-2809.27	-1.76	-561.49	-0.57	-9363.27	-	
12.32		-19.46	-1.947e+04	-7.68e-04	0.0	9.0	-2803.75	-1.76	-561.49	-0.57	-1.442e+04	-	
3.57													
							18.0	-2798.23	-1.76	-561.49	-0.57	-1.947e+04	-
19.46													
39	39	33.78	-9363.43	-1.69e-05	0.0	0.0	-2809.30	-19.23	-561.47	-0.64	-9363.43	-	
33.78		-312.54	-1.947e+04	-7.68e-04	0.0	9.0	-2803.78	-19.23	-561.47	-0.64	-1.442e+04	-	
139.38													
							18.0	-2798.26	-19.23	-561.47	-0.64	-1.947e+04	-
312.54													
39	48	373.72	-9477.18	-3.36e-06	0.0	0.0	-2804.11	21.68	-541.06	0.17	-9477.18	-	
16.93		-16.93	-1.922e+04	-9.58e-04	0.0	9.0	-2798.59	21.68	-541.06	0.17	-1.435e+04	-	
178.40													
							18.0	-2793.07	21.68	-541.06	0.17	-1.922e+04	-
373.72													
39	51	15.71	-9439.53	3.26e-06	0.0	0.0	-2805.83	-21.82	-547.81	-0.17	-9439.53	-	
15.71		-377.41	-1.930e+04	-8.96e-04	0.0	9.0	-2800.31	-21.82	-547.81	-0.17	-1.437e+04	-	
180.85													
							18.0	-2794.79	-21.82	-547.81	-0.17	-1.930e+04	-
377.41													
39	68	187.26	-9520.88	1.11e-05	0.0	0.0	-2802.12	11.62	-533.22	0.42	-9520.88	-	
22.01													

82.63			-22.01	-1.912e+04	-1.03e-03	0.0	9.0	-2796.60	11.62	-533.22	0.42	-1.432e+04	
							18.0	-2791.08	11.62	-533.22	0.42	-1.912e+04	
187.26	69	8.75	-9395.74	-1.33e-05	0.0	0.0	-2807.80	-1.96	-555.66	-0.37	-9395.74		
39													
8.75													
8.90			-26.56	-1.940e+04	-8.22e-04	0.0	9.0	-2802.28	-1.96	-555.66	-0.37	-1.440e+04	-
							18.0	-2796.76	-1.96	-555.66	-0.37	-1.940e+04	-
26.56	71	20.79	-9395.83	-1.12e-05	0.0	0.0	-2807.82	-11.76	-555.65	-0.41	-9395.83		
39													
20.79													
85.08			-190.95	-1.940e+04	-8.22e-04	0.0	9.0	-2802.30	-11.76	-555.65	-0.41	-1.440e+04	-
							18.0	-2796.78	-11.76	-555.65	-0.41	-1.940e+04	-
190.95	80	-0.61	-9458.36	0.0	0.0	0.0	-2804.97	-0.07	-544.43	5.87e-04	-9458.36	-	
39													
0.61													
1.23			-1.84	-1.926e+04	-9.27e-04	0.0	9.0	-2799.45	-0.07	-544.43	5.87e-04	-1.436e+04	-
							18.0	-2793.93	-0.07	-544.43	5.87e-04	-1.926e+04	-
1.84	81	-0.61	-9458.36	0.0	0.0	0.0	-2804.97	-0.07	-544.43	5.87e-04	-9458.36	-	
39													
0.61													
1.23			-1.84	-1.926e+04	-9.27e-04	0.0	9.0	-2799.45	-0.07	-544.43	5.87e-04	-1.436e+04	-
							18.0	-2793.93	-0.07	-544.43	5.87e-04	-1.926e+04	-
1.84	82	-0.61	-9458.36	0.0	0.0	0.0	-2804.97	-0.07	-544.43	5.87e-04	-9458.36	-	
39													
0.61													
1.23			-1.84	-1.926e+04	-9.27e-04	0.0	9.0	-2799.45	-0.07	-544.43	5.87e-04	-1.436e+04	-
							18.0	-2793.93	-0.07	-544.43	5.87e-04	-1.926e+04	-
1.84	40	1	-0.24	-772.50	0.0	0.0	0.0	-3972.42	-3.04e-03	-7.90	4.19e-05	-772.50	-
0.24													
0.30			-0.36	-1080.71	-3.91e-04	0.0	19.5	-3956.88	-3.04e-03	-7.90	4.19e-05	-926.61	-
							39.0	-3941.34	-3.04e-03	-7.90	4.19e-05	-1080.71	-
0.36	40	2	-0.19	-594.23	0.0	0.0	0.0	-3055.71	-2.34e-03	-6.08	3.23e-05	-594.23	-
0.19													
0.23			-0.28	-831.32	-3.01e-04	0.0	19.5	-3043.76	-2.34e-03	-6.08	3.23e-05	-712.77	-
							39.0	-3031.80	-2.34e-03	-6.08	3.23e-05	-831.32	-
0.28	40	11	-0.19	-594.23	0.0	0.0	0.0	-3055.71	-2.34e-03	-6.08	3.23e-05	-594.23	-
0.19													
0.23			-0.28	-831.32	-3.01e-04	0.0	19.5	-3043.76	-2.34e-03	-6.08	3.23e-05	-712.77	-
							39.0	-3031.80	-2.34e-03	-6.08	3.23e-05	-831.32	-
0.28	40	20	4092.36	-24.93	-5.24e-04	0.0	0.0	-3067.85	38.04	3.14	-1.38	-147.26	-
40													
2608.83			2608.83	-147.26	-6.80e-04	0.0	19.5	-3055.89	38.04	3.14	-1.38	-86.09	-
							39.0	-3043.94	38.04	3.14	-1.38	-24.93	-
3350.60	23	-2609.21	-1041.20	5.24e-04	0.0	0.0	-3043.58	-38.04	-15.30	1.38	-1041.20	-	
4092.36													
40													
2609.21			-4092.91	-1637.71	1.07e-04	0.0	19.5	-3031.62	-38.04	-15.30	1.38	-1339.46	-
							39.0	-3019.66	-38.04	-15.30	1.38	-1637.71	-
3351.06	37	1767.84	-2082.66	-1.91e-04	0.0	0.0	-3015.48	16.25	-36.77	-8.45	-2082.66	-	
4092.91													
40													
1133.93			1133.93	-3516.75	9.63e-04	0.0	19.5	-3003.53	16.25	-36.77	-8.45	-2799.71	-
1450.89							39.0	-2991.57	16.25	-36.77	-8.45	-3516.75	-
1767.84	38	-1134.31	1854.11	1.91e-04	0.0	0.0	-3095.94	-16.26	24.61	8.45	894.20	-	
40													
1134.31			-1768.39	894.20	-1.56e-03	0.0	19.5	-3083.99	-16.26	24.61	8.45	1374.16	-
1451.35							39.0	-3072.03	-16.26	24.61	8.45	1854.11	-
1768.39													

40	44	1768.01	1853.37	-1.91e-04	0.0	0.0	-3096.10	16.26	24.60	-8.45	893.81	
1134.04		1134.04	893.81	-1.56e-03	0.0	19.5	-3084.14	16.26	24.60	-8.45	1373.59	
1451.02						39.0	-3072.19	16.26	24.60	-8.45	1853.37	
1768.01	47	-1134.41	-2082.27	1.91e-04	0.0	0.0	-3015.33	-16.26	-36.76	8.45	-2082.27	-
40		-1768.56	-3516.00	9.63e-04	0.0	19.5	-3003.37	-16.26	-36.76	8.45	-2799.14	-
1134.41						39.0	-2991.41	-16.26	-36.76	8.45	-3516.00	-
1451.49												
1768.56	52	2393.43	-300.64	-3.05e-04	0.0	0.0	-3063.69	22.24	-0.02	-0.96	-300.64	
40		1525.95	-301.60	-5.50e-04	0.0	19.5	-3051.74	22.24	-0.02	-0.96	-301.12	
1525.95						39.0	-3039.78	22.24	-0.02	-0.96	-301.60	
1959.69												
2393.43	55	-1526.32	-887.82	3.05e-04	0.0	0.0	-3047.73	-22.25	-12.13	0.96	-887.82	-
40		-2393.99	-1361.03	-5.15e-05	0.0	19.5	-3035.78	-22.25	-12.13	0.96	-1124.43	-
1526.32						39.0	-3023.82	-22.25	-12.13	0.96	-1361.03	-
1960.16												
2393.99	69	1055.54	-1572.05	-1.11e-04	0.0	0.0	-3029.24	9.69	-26.25	-5.51	-1572.05	
40		677.53	-2595.62	5.30e-04	0.0	19.5	-3017.28	9.69	-26.25	-5.51	-2083.83	
677.53						39.0	-3005.33	9.69	-26.25	-5.51	-2595.62	
866.53												
1055.54	70	-677.90	932.98	1.11e-04	0.0	0.0	-3082.18	-9.70	14.09	5.51	383.59	-
40		-1056.09	383.59	-1.13e-03	0.0	19.5	-3070.23	-9.70	14.09	5.51	658.28	-
677.90						39.0	-3058.27	-9.70	14.09	5.51	932.98	-
867.00												
1056.09	76	1055.63	932.56	-1.11e-04	0.0	0.0	-3082.27	9.69	14.08	-5.51	383.36	
40		677.58	383.36	-1.13e-03	0.0	19.5	-3070.32	9.69	14.08	-5.51	657.96	
677.58						39.0	-3058.36	9.69	14.08	-5.51	932.56	
866.61												
1055.63	79	-677.96	-1571.82	1.11e-04	0.0	0.0	-3029.15	-9.70	-26.24	5.51	-1571.82	-
40		-1056.18	-2595.19	5.30e-04	0.0	19.5	-3017.19	-9.70	-26.24	5.51	-2083.51	-
677.96						39.0	-3005.24	-9.70	-26.24	5.51	-2595.19	-
867.07												
1056.18	80	-0.19	-594.23	0.0	0.0	0.0	-3055.71	-2.34e-03	-6.08	3.23e-05	-594.23	-
40		-0.28	-831.32	-3.01e-04	0.0	19.5	-3043.76	-2.34e-03	-6.08	3.23e-05	-712.77	-
0.19						39.0	-3031.80	-2.34e-03	-6.08	3.23e-05	-831.32	-
0.23												
0.28	81	-0.19	-594.23	0.0	0.0	0.0	-3055.71	-2.34e-03	-6.08	3.23e-05	-594.23	-
40		-0.28	-831.32	-3.01e-04	0.0	19.5	-3043.76	-2.34e-03	-6.08	3.23e-05	-712.77	-
0.19						39.0	-3031.80	-2.34e-03	-6.08	3.23e-05	-831.32	-
0.23												
0.28	82	-0.19	-594.23	0.0	0.0	0.0	-3055.71	-2.34e-03	-6.08	3.23e-05	-594.23	-
40		-0.28	-831.32	-3.01e-04	0.0	19.5	-3043.76	-2.34e-03	-6.08	3.23e-05	-712.77	-
0.19						39.0	-3031.80	-2.34e-03	-6.08	3.23e-05	-831.32	-
0.23												
0.28	41	-0.11	1.224e+04	0.0	0.0	0.0	-3889.62	-0.02	348.70	2.64e-04	-3803.05	-
0.11		-0.92	-3803.05	-4.73e-04	0.0	23.0	-3871.29	-0.02	348.70	2.64e-04	4217.13	-
0.52						46.0	-3852.96	-0.02	348.70	2.64e-04	1.224e+04	-
0.92												
41	2	-0.09	9413.31	0.0	0.0	0.0	-2992.02	-0.01	268.23	2.03e-04	-2925.42	-
0.09		-0.71	-2925.42	-3.64e-04	0.0	23.0	-2977.92	-0.01	268.23	2.03e-04	3243.94	-
0.40												

							46.0	-2963.82	-0.01	268.23	2.03e-04	9413.31	-
0.71													
41	11	-0.09	9413.31	0.0	0.0	0.0	0.0	-2992.02	-0.01	268.23	2.03e-04	-2925.42	-
0.09													
		-0.71	-2925.42	-3.64e-04	0.0	23.0	-2977.92	-0.01	268.23	2.03e-04	3243.94	-	
0.40													
							46.0	-2963.82	-0.01	268.23	2.03e-04	9413.31	-
0.71													
41	20	3505.21	9450.44	-1.33e-04	0.0	0.0	0.0	-2999.17	-69.87	254.40	0.17	-2251.76	
3505.21													
		291.32	-2251.76	-5.17e-04	0.0	23.0	-2985.07	-69.87	254.40	0.17	3599.34		
1898.27													
							46.0	-2970.97	-69.87	254.40	0.17	9450.44	
291.32													
41	23	-292.74	9376.17	1.32e-04	0.0	0.0	0.0	-2984.86	69.84	282.07	-0.17	-3599.08	-
3505.39													
		-3505.39	-3599.08	-2.22e-04	0.0	23.0	-2970.76	69.84	282.07	-0.17	2888.55	-	
1899.06													
							46.0	-2956.66	69.84	282.07	-0.17	9376.17	-
292.74													
41	32	391.87	9537.03	-6.80e-05	0.0	0.0	0.0	-3015.78	-7.76	222.15	0.20	-681.88	
391.87													
		34.73	-681.88	-8.86e-04	0.0	23.0	-3001.68	-7.76	222.15	0.20	4427.58		
213.30													
							46.0	-2987.57	-7.76	222.15	0.20	9537.03	
34.73													
41	37	1515.12	9289.58	-2.57e-05	0.0	0.0	0.0	-2968.32	-30.25	314.32	-0.08	-5169.00	
1515.12													
		123.84	-5169.00	4.00e-04	0.0	23.0	-2954.22	-30.25	314.32	-0.08	2060.29		
819.48													
							46.0	-2940.12	-30.25	314.32	-0.08	9289.58	
123.84													
41	44	1515.26	9537.02	-2.57e-05	0.0	0.0	0.0	-3015.84	-30.25	222.16	-0.08	-682.37	
1515.26													
		123.85	-682.37	-8.86e-04	0.0	23.0	-3001.74	-30.25	222.16	-0.08	4427.33		
819.55													
							46.0	-2987.64	-30.25	222.16	-0.08	9537.02	
123.85													
41	47	-125.26	9289.59	2.57e-05	0.0	0.0	0.0	-2968.20	30.22	314.31	0.08	-5168.47	-
1515.43													
		-1515.43	-5168.47	4.00e-04	0.0	23.0	-2954.10	30.22	314.31	0.08	2060.56	-	
820.35													
							46.0	-2940.00	30.22	314.31	0.08	9289.59	-
125.26													
41	52	2050.17	9437.72	-7.65e-05	0.0	0.0	0.0	-2996.71	-40.87	259.14	0.10	-2482.85	
2050.17													
		170.04	-2482.85	-4.65e-04	0.0	23.0	-2982.61	-40.87	259.14	0.10	3477.43		
1110.11													
							46.0	-2968.51	-40.87	259.14	0.10	9437.72	
170.04													
41	55	-171.46	9388.90	7.64e-05	0.0	0.0	0.0	-2987.32	40.85	277.32	-0.10	-3367.99	-
2050.34													
		-2050.34	-3367.99	-2.68e-04	0.0	23.0	-2973.22	40.85	277.32	-0.10	3010.46	-	
1110.90													
							46.0	-2959.12	40.85	277.32	-0.10	9388.90	-
171.46													
41	64	185.14	9494.64	-4.14e-05	0.0	0.0	0.0	-3007.61	-3.67	237.96	0.13	-1451.31	
185.14													
		16.51	-1451.31	-6.99e-04	0.0	23.0	-2993.51	-3.67	237.96	0.13	4021.67		
100.82													
							46.0	-2979.41	-3.67	237.96	0.13	9494.64	
16.51													
41	69	904.94	9331.97	-1.39e-05	0.0	0.0	0.0	-2976.46	-18.07	298.51	-0.06	-4399.55	
904.94													
		73.53	-4399.55	1.89e-04	0.0	23.0	-2962.36	-18.07	298.51	-0.06	2466.21		
489.23													
							46.0	-2948.26	-18.07	298.51	-0.06	9331.97	
73.53													
41	76	905.01	9494.64	-1.39e-05	0.0	0.0	0.0	-3007.65	-18.08	237.96	-0.06	-1451.59	
905.01													
		73.53	-1451.59	-6.99e-04	0.0	23.0	-2993.55	-18.08	237.96	-0.06	4021.52		
489.27													
							46.0	-2979.45	-18.08	237.96	-0.06	9494.64	
73.53													
41	79	-74.94	9331.98	1.39e-05	0.0	0.0	0.0	-2976.39	18.05	298.51	0.06	-4399.25	-
905.19													

490.06			-905.19	-4399.25	1.89e-04	0.0	23.0	-2962.29	18.05	298.51	0.06	2466.36	-
							46.0	-2948.19	18.05	298.51	0.06	9331.98	-
74.94	41	80	-0.09	9413.31	0.0	0.0	0.0	-2992.02	-0.01	268.23	2.03e-04	-2925.42	-
0.09			-0.71	-2925.42	-3.64e-04	0.0	23.0	-2977.92	-0.01	268.23	2.03e-04	3243.94	-
0.40							46.0	-2963.82	-0.01	268.23	2.03e-04	9413.31	-
0.71	41	81	-0.09	9413.31	0.0	0.0	0.0	-2992.02	-0.01	268.23	2.03e-04	-2925.42	-
0.09			-0.71	-2925.42	-3.64e-04	0.0	23.0	-2977.92	-0.01	268.23	2.03e-04	3243.94	-
0.40							46.0	-2963.82	-0.01	268.23	2.03e-04	9413.31	-
0.71	41	82	-0.09	9413.31	0.0	0.0	0.0	-2992.02	-0.01	268.23	2.03e-04	-2925.42	-
0.09			-0.71	-2925.42	-3.64e-04	0.0	23.0	-2977.92	-0.01	268.23	2.03e-04	3243.94	-
0.40							46.0	-2963.82	-0.01	268.23	2.03e-04	9413.31	-
0.71	42	1	-0.79	2.504e+04	0.0	0.0	0.0	-3646.46	-0.09	707.76	-7.63e-04	1.230e+04	-
0.79			-2.40	1.230e+04	1.21e-03	0.0	9.0	-3639.29	-0.09	707.76	-7.63e-04	1.867e+04	-
1.59							18.0	-3632.11	-0.09	707.76	-7.63e-04	2.504e+04	-
2.40	42	2	-0.61	1.926e+04	0.0	0.0	0.0	-2804.97	-0.07	544.43	-5.87e-04	9458.36	-
0.61			-1.84	9458.36	9.27e-04	0.0	9.0	-2799.45	-0.07	544.43	-5.87e-04	1.436e+04	-
1.23							18.0	-2793.93	-0.07	544.43	-5.87e-04	1.926e+04	-
1.84	42	11	-0.61	1.926e+04	0.0	0.0	0.0	-2804.97	-0.07	544.43	-5.87e-04	9458.36	-
0.61			-1.84	9458.36	9.27e-04	0.0	9.0	-2799.45	-0.07	544.43	-5.87e-04	1.436e+04	-
1.23							18.0	-2793.93	-0.07	544.43	-5.87e-04	1.926e+04	-
1.84	42	17	645.00	1.919e+04	-2.58e-06	0.0	0.0	-2803.66	38.41	539.33	-0.32	9486.76	-
46.75			-46.75	9486.76	9.75e-04	0.0	9.0	-2798.14	38.41	539.33	-0.32	1.434e+04	-
299.12							18.0	-2792.63	38.41	539.33	-0.32	1.919e+04	-
645.00	42	18	45.54	1.932e+04	2.50e-06	0.0	0.0	-2806.27	-38.55	549.53	0.32	9429.96	-
45.54			-648.69	9429.96	8.79e-04	0.0	9.0	-2800.76	-38.55	549.53	0.32	1.438e+04	-
301.58							18.0	-2795.24	-38.55	549.53	0.32	1.932e+04	-
648.69	42	38	26.61	1.947e+04	-1.56e-05	0.0	0.0	-2809.30	-18.55	561.49	0.62	9363.27	-
26.61			-307.38	9363.27	7.68e-04	0.0	9.0	-2803.79	-18.55	561.49	0.62	1.442e+04	-
140.38							18.0	-2798.27	-18.55	561.49	0.62	1.947e+04	-
307.38	42	45	19.45	1.905e+04	-2.19e-05	0.0	0.0	-2800.62	-2.44	527.38	0.58	9553.43	-
19.45			-24.48	9553.43	1.09e-03	0.0	9.0	-2795.10	-2.44	527.38	0.58	1.430e+04	-
2.52							18.0	-2789.58	-2.44	527.38	0.58	1.905e+04	-
24.48	42	46	20.79	1.947e+04	2.18e-05	0.0	0.0	-2809.32	2.30	561.49	-0.58	9363.28	-
20.67			-20.67	9363.28	7.68e-04	0.0	9.0	-2803.80	2.30	561.49	-0.58	1.442e+04	-
0.06							18.0	-2798.28	2.30	561.49	-0.58	1.947e+04	-
20.79	42	49	377.68	1.922e+04	-1.23e-06	0.0	0.0	-2804.11	22.52	541.07	-0.20	9477.07	-
27.91			-27.91	9477.07	9.58e-04	0.0	9.0	-2798.59	22.52	541.07	-0.20	1.435e+04	-
174.89							18.0	-2793.07	22.52	541.07	-0.20	1.922e+04	-
377.68													-

42	50	26.69	1.930e+04	1.15e-06	0.0	0.0	-2805.83	-22.66	547.79	0.20	9439.64		
26.69													
177.34		-381.37	9439.64	8.96e-04	0.0	9.0	-2800.31	-22.66	547.79	0.20	1.437e+04	-	
							18.0	-2794.79	-22.66	547.79	0.20	1.930e+04	-
381.37	70	16.77	1.940e+04	-1.05e-05	0.0	0.0	-2807.82	-11.38	555.66	0.40	9395.74		
42													
16.77		-188.06	9395.74	8.22e-04	0.0	9.0	-2802.30	-11.38	555.66	0.40	1.440e+04	-	
85.65							18.0	-2796.78	-11.38	555.66	0.40	1.940e+04	-
188.06	77	12.75	1.912e+04	-1.40e-05	0.0	0.0	-2802.11	-2.34	533.20	0.38	9520.96		
42													
12.75		-29.33	9520.96	1.03e-03	0.0	9.0	-2796.59	-2.34	533.20	0.38	1.432e+04	-	
8.29							18.0	-2791.07	-2.34	533.20	0.38	1.912e+04	-
29.33	78	25.64	1.940e+04	1.39e-05	0.0	0.0	-2807.83	2.20	555.66	-0.38	9395.75	-	
42													
13.96		-13.96	9395.75	8.22e-04	0.0	9.0	-2802.31	2.20	555.66	-0.38	1.440e+04	-	
5.84							18.0	-2796.79	2.20	555.66	-0.38	1.940e+04	-
25.64	80	-0.61	1.926e+04	0.0	0.0	0.0	-2804.97	-0.07	544.43	-5.87e-04	9458.36	-	
42													
0.61		-1.84	9458.36	9.27e-04	0.0	9.0	-2799.45	-0.07	544.43	-5.87e-04	1.436e+04	-	
1.23							18.0	-2793.93	-0.07	544.43	-5.87e-04	1.926e+04	-
1.84	81	-0.61	1.926e+04	0.0	0.0	0.0	-2804.97	-0.07	544.43	-5.87e-04	9458.36	-	
42													
0.61		-1.84	9458.36	9.27e-04	0.0	9.0	-2799.45	-0.07	544.43	-5.87e-04	1.436e+04	-	
1.23							18.0	-2793.93	-0.07	544.43	-5.87e-04	1.926e+04	-
1.84	82	-0.61	1.926e+04	0.0	0.0	0.0	-2804.97	-0.07	544.43	-5.87e-04	9458.36	-	
42													
0.61		-1.84	9458.36	9.27e-04	0.0	9.0	-2799.45	-0.07	544.43	-5.87e-04	1.436e+04	-	
1.23							18.0	-2793.93	-0.07	544.43	-5.87e-04	1.926e+04	-
1.84	43	-0.24	1081.23	0.0	0.0	0.0	-3972.70	-3.04e-03	7.91	-4.19e-05	772.87	-	
0.24													
0.30		-0.36	772.87	3.91e-04	0.0	19.5	-3957.16	-3.04e-03	7.91	-4.19e-05	927.05	-	
							39.0	-3941.62	-3.04e-03	7.91	-4.19e-05	1081.23	-
0.36	43	-0.19	831.72	0.0	0.0	0.0	-3055.92	-2.34e-03	6.08	-3.23e-05	594.52	-	
0.19													
0.23		-0.28	594.52	3.01e-04	0.0	19.5	-3043.97	-2.34e-03	6.08	-3.23e-05	713.12	-	
							39.0	-3032.01	-2.34e-03	6.08	-3.23e-05	831.72	-
0.28	43	-0.19	831.72	0.0	0.0	0.0	-3055.92	-2.34e-03	6.08	-3.23e-05	594.52	-	
0.19													
0.23		-0.28	594.52	3.01e-04	0.0	19.5	-3043.97	-2.34e-03	6.08	-3.23e-05	713.12	-	
							39.0	-3032.01	-2.34e-03	6.08	-3.23e-05	831.72	-
0.28	29	4096.90	146.44	-5.24e-04	0.0	0.0	-3068.09	38.08	-3.15	1.37	146.44		
43													
2611.87		2611.87	23.64	6.80e-04	0.0	19.5	-3056.13	38.08	-3.15	1.37	85.04		
3354.39							39.0	-3044.17	38.08	-3.15	1.37	23.64	
4096.90	30	-2612.25	1639.80	5.23e-04	0.0	0.0	-3043.76	-38.08	15.31	-1.37	1042.59	-	
43													
2612.25		-4097.46	1042.59	-1.07e-04	0.0	19.5	-3031.80	-38.08	15.31	-1.37	1341.20	-	
3354.85							39.0	-3019.85	-38.08	15.31	-1.37	1639.80	-
4097.46	37	461.74	-894.20	-1.04e-04	0.0	0.0	-3096.26	4.52	-24.61	-8.61	-894.20		
43													
285.64		285.64	-1854.10	1.56e-03	0.0	19.5	-3084.31	4.52	-24.61	-8.61	-1374.15		
373.69													

461.74						39.0	-3072.35	4.52	-24.61	-8.61	-1854.10	
43	38	-286.01	3517.53	1.04e-04	0.0	0.0	-3015.58	-4.52	36.78	8.61	2083.23	-
286.01		-462.30	2083.23	-9.63e-04	0.0	19.5	-3003.63	-4.52	36.78	8.61	2800.38	-
374.15												
462.30						39.0	-2991.67	-4.52	36.78	8.61	3517.53	-
43	45	1869.53	-894.35	-2.02e-04	0.0	0.0	-3096.25	17.19	-24.62	7.94	-894.35	
1199.15		1199.15	-1854.34	1.56e-03	0.0	19.5	-3084.29	17.19	-24.62	7.94	-1374.34	
1534.34												
1869.53						39.0	-3072.34	17.19	-24.62	7.94	-1854.34	
43	46	-1199.52	3517.77	2.02e-04	0.0	0.0	-3015.60	-17.19	36.78	-7.94	2083.38	-
1199.52		-1870.08	2083.38	-9.63e-04	0.0	19.5	-3003.64	-17.19	36.78	-7.94	2800.58	-
1534.80												
1870.08						39.0	-2991.69	-17.19	36.78	-7.94	3517.77	-
43	61	2396.05	301.01	-3.05e-04	0.0	0.0	-3063.92	22.27	0.02	0.96	300.28	
1527.70		1527.70	300.28	5.50e-04	0.0	19.5	-3051.96	22.27	0.02	0.96	300.65	
1961.87												
2396.05						39.0	-3040.01	22.27	0.02	0.96	301.01	
43	62	-1528.07	1362.42	3.05e-04	0.0	0.0	-3047.93	-22.27	12.15	-0.96	888.75	-
1528.07		-2396.60	888.75	5.17e-05	0.0	19.5	-3035.97	-22.27	12.15	-0.96	1125.59	-
1962.34												
2396.60						39.0	-3024.02	-22.27	12.15	-0.96	1362.42	-
43	69	218.81	-383.47	-5.68e-05	0.0	0.0	-3082.46	2.18	-14.09	-5.60	-383.47	
133.84		133.84	-932.82	1.13e-03	0.0	19.5	-3070.50	2.18	-14.09	-5.60	-658.14	
176.33												
218.81						39.0	-3058.55	2.18	-14.09	-5.60	-932.82	
43	70	-134.22	2596.25	5.68e-05	0.0	0.0	-3029.39	-2.18	26.25	5.60	1572.50	-
134.22		-219.36	1572.50	-5.30e-04	0.0	19.5	-3017.43	-2.18	26.25	5.60	2084.38	-
176.79												
219.36						39.0	-3005.48	-2.18	26.25	5.60	2596.25	-
43	77	1135.99	-383.57	-1.21e-04	0.0	0.0	-3082.45	10.44	-14.09	5.20	-383.57	
729.02		729.02	-932.98	1.13e-03	0.0	19.5	-3070.49	10.44	-14.09	5.20	-658.27	
932.51												
1135.99						39.0	-3058.54	10.44	-14.09	5.20	-932.98	
43	78	-729.39	2596.41	1.21e-04	0.0	0.0	-3029.40	-10.44	26.25	-5.20	1572.60	-
729.39		-1136.55	1572.60	-5.30e-04	0.0	19.5	-3017.44	-10.44	26.25	-5.20	2084.51	-
932.97												
1136.55						39.0	-3005.49	-10.44	26.25	-5.20	2596.41	-
43	80	-0.19	831.72	0.0	0.0	0.0	-3055.92	-2.34e-03	6.08	-3.23e-05	594.52	-
0.19		-0.28	594.52	3.01e-04	0.0	19.5	-3043.97	-2.34e-03	6.08	-3.23e-05	713.12	-
0.23												
0.28						39.0	-3032.01	-2.34e-03	6.08	-3.23e-05	831.72	-
43	81	-0.19	831.72	0.0	0.0	0.0	-3055.92	-2.34e-03	6.08	-3.23e-05	594.52	-
0.19		-0.28	594.52	3.01e-04	0.0	19.5	-3043.97	-2.34e-03	6.08	-3.23e-05	713.12	-
0.23												
0.28						39.0	-3032.01	-2.34e-03	6.08	-3.23e-05	831.72	-
43	82	-0.19	831.72	0.0	0.0	0.0	-3055.92	-2.34e-03	6.08	-3.23e-05	594.52	-
0.19		-0.28	594.52	3.01e-04	0.0	19.5	-3043.97	-2.34e-03	6.08	-3.23e-05	713.12	-
0.23												
0.28						39.0	-3032.01	-2.34e-03	6.08	-3.23e-05	831.72	-
44	1	-0.11	3804.43	0.0	0.0	0.0	-3889.91	-0.02	-348.87	-2.64e-04	3804.43	-
0.11												

0.52			-0.92	-1.224e+04	4.73e-04	0.0	23.0	-3871.58	-0.02	-348.87	-2.64e-04	-4219.52	-
							46.0	-3853.25	-0.02	-348.87	-2.64e-04	-1.224e+04	-
0.92	44	2	-0.09	2926.48	0.0	0.0	0.0	-2992.24	-0.01	-268.36	-2.03e-04	2926.48	-
0.09			-0.71	-9418.06	3.64e-04	0.0	23.0	-2978.14	-0.01	-268.36	-2.03e-04	-3245.79	-
0.40							46.0	-2964.03	-0.01	-268.36	-2.03e-04	-9418.06	-
0.71	44	11	-0.09	2926.48	0.0	0.0	0.0	-2992.24	-0.01	-268.36	-2.03e-04	2926.48	-
0.09			-0.71	-9418.06	3.64e-04	0.0	23.0	-2978.14	-0.01	-268.36	-2.03e-04	-3245.79	-
0.40							46.0	-2964.03	-0.01	-268.36	-2.03e-04	-9418.06	-
0.71	44	29	3508.89	2251.42	-1.32e-04	0.0	0.0	-2999.46	-69.95	-254.49	-0.17	2251.42	-
3508.89			291.21	-9455.23	5.17e-04	0.0	23.0	-2985.35	-69.95	-254.49	-0.17	-3601.90	-
1900.05							46.0	-2971.25	-69.95	-254.49	-0.17	-9455.23	-
291.21	44	30	-292.62	3601.55	1.32e-04	0.0	0.0	-2985.02	69.92	-282.23	0.17	3601.55	-
3509.06			-3509.06	-9380.89	2.22e-04	0.0	23.0	-2970.92	69.92	-282.23	0.17	-2889.67	-
1900.84							46.0	-2956.82	69.92	-282.23	0.17	-9380.89	-
292.62	44	37	392.67	682.52	-6.77e-05	0.0	0.0	-3016.03	-7.78	-222.27	-0.20	682.52	-
392.67			34.67	-9541.86	8.86e-04	0.0	23.0	-3001.93	-7.78	-222.27	-0.20	-4429.67	-
213.67							46.0	-2987.83	-7.78	-222.27	-0.20	-9541.86	-
34.67	44	38	-36.08	5170.45	6.76e-05	0.0	0.0	-2968.44	7.76	-314.45	0.20	5170.45	-
392.85			-392.85	-9294.26	-4.00e-04	0.0	23.0	-2954.34	7.76	-314.45	0.20	-2061.90	-
214.47							46.0	-2940.24	7.76	-314.45	0.20	-9294.26	-
36.08	44	45	1603.72	682.33	-2.72e-05	0.0	0.0	-3016.02	-32.03	-222.26	0.08	682.33	-
1603.72			130.45	-9541.87	8.86e-04	0.0	23.0	-3001.92	-32.03	-222.26	0.08	-4429.77	-
867.09							46.0	-2987.82	-32.03	-222.26	0.08	-9541.87	-
130.45	44	46	-131.87	5170.64	2.72e-05	0.0	0.0	-2968.46	32.00	-314.45	-0.08	5170.64	-
1603.89			-1603.89	-9294.25	-4.00e-04	0.0	23.0	-2954.36	32.00	-314.45	-0.08	-2061.81	-
867.88							46.0	-2940.25	32.00	-314.45	-0.08	-9294.25	-
131.87	44	61	2052.28	2483.10	-7.62e-05	0.0	0.0	-2996.97	-40.92	-259.25	-0.10	2483.10	-
2052.28			169.98	-9442.49	4.64e-04	0.0	23.0	-2982.87	-40.92	-259.25	-0.10	-3479.70	-
1111.13							46.0	-2968.77	-40.92	-259.25	-0.10	-9442.49	-
169.98	44	62	-171.39	3369.87	7.60e-05	0.0	0.0	-2987.51	40.89	-277.47	0.10	3369.87	-
2052.46			-2052.46	-9393.62	2.68e-04	0.0	23.0	-2973.40	40.89	-277.47	0.10	-3011.88	-
1111.92							46.0	-2959.30	40.89	-277.47	0.10	-9393.62	-
171.39	44	69	185.63	1452.12	-4.13e-05	0.0	0.0	-3007.85	-3.68	-238.08	-0.13	1452.12	-
185.63			16.48	-9499.45	6.99e-04	0.0	23.0	-2993.75	-3.68	-238.08	-0.13	-4023.67	-
101.06							46.0	-2979.65	-3.68	-238.08	-0.13	-9499.45	-
16.48	44	70	-17.89	4400.85	4.12e-05	0.0	0.0	-2976.62	3.65	-298.64	0.13	4400.85	-
185.81			-185.81	-9336.67	-1.89e-04	0.0	23.0	-2962.52	3.65	-298.64	0.13	-2467.91	-
101.85							46.0	-2948.42	3.65	-298.64	0.13	-9336.67	-
17.89													-

44	77	974.69	1451.99	-1.54e-05	0.0	0.0	-3007.84	-19.47	-238.07	0.05	1451.99	
974.69		78.90	-9499.45	6.99e-04	0.0	23.0	-2993.74	-19.47	-238.07	0.05	-4023.73	
526.79						46.0	-2979.64	-19.47	-238.07	0.05	-9499.45	
78.90	78	-80.31	4400.98	1.54e-05	0.0	0.0	-2976.63	19.45	-298.64	-0.05	4400.98	-
44		-974.86	-9336.67	-1.89e-04	0.0	23.0	-2962.53	19.45	-298.64	-0.05	-2467.84	-
974.86						46.0	-2948.43	19.45	-298.64	-0.05	-9336.67	-
527.59												
80.31	80	-0.09	2926.48	0.0	0.0	0.0	-2992.24	-0.01	-268.36	-2.03e-04	2926.48	-
44		-0.71	-9418.06	3.64e-04	0.0	23.0	-2978.14	-0.01	-268.36	-2.03e-04	-3245.79	-
0.09						46.0	-2964.03	-0.01	-268.36	-2.03e-04	-9418.06	-
0.40												
0.71	81	-0.09	2926.48	0.0	0.0	0.0	-2992.24	-0.01	-268.36	-2.03e-04	2926.48	-
44		-0.71	-9418.06	3.64e-04	0.0	23.0	-2978.14	-0.01	-268.36	-2.03e-04	-3245.79	-
0.09						46.0	-2964.03	-0.01	-268.36	-2.03e-04	-9418.06	-
0.40												
0.71	82	-0.09	2926.48	0.0	0.0	0.0	-2992.24	-0.01	-268.36	-2.03e-04	2926.48	-
44		-0.71	-9418.06	3.64e-04	0.0	23.0	-2978.14	-0.01	-268.36	-2.03e-04	-3245.79	-
0.09						46.0	-2964.03	-0.01	-268.36	-2.03e-04	-9418.06	-
0.40												
0.71	1	-0.79	-1.230e+04	0.0	0.0	0.0	-3646.72	-0.09	-708.09	7.63e-04	-1.230e+04	-
45		-2.40	-2.505e+04	-1.21e-03	0.0	9.0	-3639.54	-0.09	-708.09	7.63e-04	-1.867e+04	-
0.79						18.0	-3632.37	-0.09	-708.09	7.63e-04	-2.505e+04	-
1.59												
2.40	2	-0.61	-9462.99	0.0	0.0	0.0	-2805.17	-0.07	-544.69	5.87e-04	-9462.99	-
45		-1.84	-1.927e+04	-9.28e-04	0.0	9.0	-2799.65	-0.07	-544.69	5.87e-04	-1.437e+04	-
0.61						18.0	-2794.13	-0.07	-544.69	5.87e-04	-1.927e+04	-
1.23												
1.84	11	-0.61	-9462.99	0.0	0.0	0.0	-2805.17	-0.07	-544.69	5.87e-04	-9462.99	-
45		-1.84	-1.927e+04	-9.28e-04	0.0	9.0	-2799.65	-0.07	-544.69	5.87e-04	-1.437e+04	-
0.61						18.0	-2794.13	-0.07	-544.69	5.87e-04	-1.927e+04	-
1.23												
1.84	29	648.25	-9434.28	-2.34e-06	0.0	0.0	-2806.39	38.63	-549.86	0.32	-9434.28	-
45		-47.37	-1.933e+04	-8.80e-04	0.0	9.0	-2800.87	38.63	-549.86	0.32	-1.438e+04	-
47.37						18.0	-2795.35	38.63	-549.86	0.32	-1.933e+04	-
300.44												
648.25	30	46.15	-9491.70	2.27e-06	0.0	0.0	-2803.95	-38.76	-539.52	-0.32	-9491.70	-
45		-651.94	-1.920e+04	-9.75e-04	0.0	9.0	-2798.43	-38.76	-539.52	-0.32	-1.435e+04	-
46.15						18.0	-2792.91	-38.76	-539.52	-0.32	-1.920e+04	-
302.89												
651.94	36	342.46	-9557.86	1.64e-05	0.0	0.0	-2800.83	21.02	-527.66	0.65	-9557.86	-
45		-36.12	-1.906e+04	-1.09e-03	0.0	9.0	-2795.31	21.02	-527.66	0.65	-1.431e+04	-
36.12						18.0	-2789.79	21.02	-527.66	0.65	-1.906e+04	-
153.17												
342.46	37	14.37	-9367.98	-2.10e-05	0.0	0.0	-2809.46	0.18	-561.75	-0.56	-9367.98	-
45		11.11	-1.948e+04	-7.68e-04	0.0	9.0	-2803.94	0.18	-561.75	-0.56	-1.442e+04	-
11.11						18.0	-2798.43	0.18	-561.75	-0.56	-1.948e+04	-
12.74												
14.37	39	34.91	-9368.12	-1.65e-05	0.0	0.0	-2809.51	-21.16	-561.72	-0.65	-9368.12	-
45		-346.15	-1.948e+04	-7.68e-04	0.0	9.0	-2803.99	-21.16	-561.72	-0.65	-1.442e+04	-
34.91												
155.62												

						18.0	-2798.47	-21.16	-561.72	-0.65	-1.948e+04	-
346.15												
45	61	379.55	-9444.10	-1.09e-06	0.0	0.0	-2805.98	22.65	-548.09	0.20	-9444.10	-
28.26												
			-28.26	-1.931e+04	-8.96e-04	0.0	9.0	-2800.46	22.65	-548.09	0.20	-1.438e+04
175.64												
						18.0	-2794.94	22.65	-548.09	0.20	-1.931e+04	-
379.55												
45	62	27.05	-9481.88	1.02e-06	0.0	0.0	-2804.36	-22.78	-541.29	-0.20	-9481.88	-
27.05												
						0.0	9.0	-2798.84	-22.78	-541.29	-0.20	-1.435e+04
178.10												-
						18.0	-2793.32	-22.78	-541.29	-0.20	-1.923e+04	-
383.24												
45	68	209.79	-9525.47	1.08e-05	0.0	0.0	-2802.31	12.92	-533.47	0.42	-9525.47	-
22.88												
						0.0	9.0	-2796.79	12.92	-533.47	0.42	-1.433e+04
93.46												
						18.0	-2791.28	12.92	-533.47	0.42	-1.913e+04	-
209.79												
45	69	7.84	-9400.43	-1.36e-05	0.0	0.0	-2808.00	-0.65	-555.92	-0.37	-9400.43	-
7.84												
						0.0	9.0	-2802.48	-0.65	-555.92	-0.37	-1.440e+04
1.98												
						18.0	-2796.96	-0.65	-555.92	-0.37	-1.941e+04	-
3.89												
45	71	21.66	-9400.51	-1.10e-05	0.0	0.0	-2808.02	-13.06	-555.90	-0.42	-9400.51	-
21.66												
						0.0	9.0	-2802.50	-13.06	-555.90	-0.42	-1.440e+04
95.91												
						18.0	-2796.99	-13.06	-555.90	-0.42	-1.941e+04	-
213.48												
45	80	-0.61	-9462.99	0.0	0.0	0.0	-2805.17	-0.07	-544.69	5.87e-04	-9462.99	-
0.61												
						0.0	9.0	-2799.65	-0.07	-544.69	5.87e-04	-1.437e+04
1.23												
						18.0	-2794.13	-0.07	-544.69	5.87e-04	-1.927e+04	-
1.84												
45	81	-0.61	-9462.99	0.0	0.0	0.0	-2805.17	-0.07	-544.69	5.87e-04	-9462.99	-
0.61												
						0.0	9.0	-2799.65	-0.07	-544.69	5.87e-04	-1.437e+04
1.23												
						18.0	-2794.13	-0.07	-544.69	5.87e-04	-1.927e+04	-
1.84												
45	82	-0.61	-9462.99	0.0	0.0	0.0	-2805.17	-0.07	-544.69	5.87e-04	-9462.99	-
0.61												
						0.0	9.0	-2799.65	-0.07	-544.69	5.87e-04	-1.437e+04
1.23												
						18.0	-2794.13	-0.07	-544.69	5.87e-04	-1.927e+04	-
1.84												
46	1	-0.24	-772.87	0.0	0.0	0.0	-3972.70	-3.04e-03	-7.91	4.19e-05	-772.87	-
0.24												
						0.0	19.5	-3957.16	-3.04e-03	-7.91	4.19e-05	-927.05
0.30												
						39.0	-3941.62	-3.04e-03	-7.91	4.19e-05	-1081.23	-
0.36												
46	2	-0.19	-594.52	0.0	0.0	0.0	-3055.92	-2.34e-03	-6.08	3.23e-05	-594.52	-
0.19												
						0.0	19.5	-3043.97	-2.34e-03	-6.08	3.23e-05	-713.12
0.23												
						39.0	-3032.01	-2.34e-03	-6.08	3.23e-05	-831.72	-
0.28												
46	11	-0.19	-594.52	0.0	0.0	0.0	-3055.92	-2.34e-03	-6.08	3.23e-05	-594.52	-
0.19												
						0.0	19.5	-3043.97	-2.34e-03	-6.08	3.23e-05	-713.12
0.23												
						39.0	-3032.01	-2.34e-03	-6.08	3.23e-05	-831.72	-
0.28												
46	28	4529.88	-28.62	-5.87e-04	0.0	0.0	-3068.06	42.15	3.10	-3.47	-149.55	-
2886.21												
						0.0	19.5	-3056.11	42.15	3.10	-3.47	-89.09
3708.04												
						39.0	-3044.15	42.15	3.10	-3.47	-28.62	-
4529.88												
46	31	-2886.59	-1039.48	5.87e-04	0.0	0.0	-3043.78	-42.15	-15.27	3.47	-1039.48	-
2886.59												

3708.51		-4530.43	-1634.82	1.06e-04	0.0	19.5	-3031.83	-42.15	-15.27	3.47	-1337.15	-	
							39.0	-3019.87	-42.15	-15.27	3.47	-1634.82	-
4530.43													
46	36	591.60	1852.61	-1.23e-04	0.0	0.0	-3096.24	5.74	24.60	7.98	893.26		
367.92													
		367.92	893.26	-1.56e-03	0.0	19.5	-3084.29	5.74	24.60	7.98	1372.94		
479.76													
							39.0	-3072.33	5.74	24.60	7.98	1852.61	
591.60													
46	39	-368.29	-2082.30	1.23e-04	0.0	0.0	-3015.60	-5.74	-36.76	-7.98	-2082.30	-	
368.29													
		-592.16	-3516.04	9.63e-04	0.0	19.5	-3003.64	-5.74	-36.76	-7.98	-2799.17	-	
480.22													
							39.0	-2991.69	-5.74	-36.76	-7.98	-3516.04	-
592.16													
46	45	591.37	-2083.39	-1.23e-04	0.0	0.0	-3015.63	5.73	-36.78	7.98	-2083.39		
367.77													
		367.77	-3517.77	9.63e-04	0.0	19.5	-3003.67	5.73	-36.78	7.98	-2800.58		
479.57													
							39.0	-2991.72	5.73	-36.78	7.98	-3517.77	
591.37													
46	46	-368.14	1854.34	1.23e-04	0.0	0.0	-3096.21	-5.74	24.62	-7.98	894.35	-	
368.14													
		-591.92	894.35	-1.56e-03	0.0	19.5	-3084.26	-5.74	24.62	-7.98	1374.34	-	
480.03													
							39.0	-3072.30	-5.74	24.62	-7.98	1854.34	-
591.92													
46	60	2650.08	-302.07	-3.43e-04	0.0	0.0	-3063.90	24.65	-0.05	-2.21	-302.07		
1688.68													
		1688.68	-303.87	-5.50e-04	0.0	19.5	-3051.95	24.65	-0.05	-2.21	-302.97		
2169.38													
							39.0	-3039.99	24.65	-0.05	-2.21	-303.87	
2650.08													
46	63	-1689.05	-886.97	3.43e-04	0.0	0.0	-3047.94	-24.66	-12.12	2.21	-886.97	-	
1689.05													
		-2650.64	-1359.57	-5.20e-05	0.0	19.5	-3035.99	-24.66	-12.12	2.21	-1123.27	-	
2169.84													
							39.0	-3024.03	-24.66	-12.12	2.21	-1359.57	-
2650.64													
46	68	294.98	931.96	-6.80e-05	0.0	0.0	-3082.45	2.89	14.08	5.22	382.93		
182.11													
		182.11	382.93	-1.13e-03	0.0	19.5	-3070.49	2.89	14.08	5.22	657.45		
238.55													
							39.0	-3058.54	2.89	14.08	5.22	931.96	
294.98													
46	71	-182.48	-1571.97	6.80e-05	0.0	0.0	-3029.40	-2.90	-26.24	-5.22	-1571.97	-	
182.48													
		-295.53	-2595.39	5.30e-04	0.0	19.5	-3017.44	-2.90	-26.24	-5.22	-2083.68	-	
239.01													
							39.0	-3005.49	-2.90	-26.24	-5.22	-2595.39	-
295.53													
46	77	294.88	-1572.60	-6.80e-05	0.0	0.0	-3029.41	2.89	-26.25	5.22	-1572.60		
182.05													
		182.05	-2596.41	5.30e-04	0.0	19.5	-3017.46	2.89	-26.25	5.22	-2084.51		
238.46													
							39.0	-3005.50	2.89	-26.25	5.22	-2596.41	
294.88													
46	78	-182.42	932.98	6.80e-05	0.0	0.0	-3082.43	-2.90	14.09	-5.22	383.57	-	
182.42													
		-295.43	383.57	-1.13e-03	0.0	19.5	-3070.47	-2.90	14.09	-5.22	658.27	-	
238.93													
							39.0	-3058.52	-2.90	14.09	-5.22	932.98	-
295.43													
46	80	-0.19	-594.52	0.0	0.0	0.0	-3055.92	-2.34e-03	-6.08	3.23e-05	-594.52	-	
0.19													
		-0.28	-831.72	-3.01e-04	0.0	19.5	-3043.97	-2.34e-03	-6.08	3.23e-05	-713.12	-	
0.23													
							39.0	-3032.01	-2.34e-03	-6.08	3.23e-05	-831.72	-
0.28													
46	81	-0.19	-594.52	0.0	0.0	0.0	-3055.92	-2.34e-03	-6.08	3.23e-05	-594.52	-	
0.19													
		-0.28	-831.72	-3.01e-04	0.0	19.5	-3043.97	-2.34e-03	-6.08	3.23e-05	-713.12	-	
0.23													
							39.0	-3032.01	-2.34e-03	-6.08	3.23e-05	-831.72	-
0.28													

46	82	-0.19	-594.52	0.0	0.0	0.0	-3055.92	-2.34e-03	-6.08	3.23e-05	-594.52	-
0.19		-0.28	-831.72	-3.01e-04	0.0	19.5	-3043.97	-2.34e-03	-6.08	3.23e-05	-713.12	-
0.23						39.0	-3032.01	-2.34e-03	-6.08	3.23e-05	-831.72	-
0.28												
47	1	-0.11	1.224e+04	0.0	0.0	0.0	-3889.91	-0.02	348.87	2.64e-04	-3804.43	-
0.11		-0.92	-3804.43	-4.73e-04	0.0	23.0	-3871.58	-0.02	348.87	2.64e-04	4219.52	-
0.52						46.0	-3853.25	-0.02	348.87	2.64e-04	1.224e+04	-
0.92												
47	2	-0.09	9418.06	0.0	0.0	0.0	-2992.24	-0.01	268.36	2.03e-04	-2926.48	-
0.09		-0.71	-2926.48	-3.64e-04	0.0	23.0	-2978.14	-0.01	268.36	2.03e-04	3245.79	-
0.40						46.0	-2964.03	-0.01	268.36	2.03e-04	9418.06	-
0.71												
47	11	-0.09	9418.06	0.0	0.0	0.0	-2992.24	-0.01	268.36	2.03e-04	-2926.48	-
0.09		-0.71	-2926.48	-3.64e-04	0.0	23.0	-2978.14	-0.01	268.36	2.03e-04	3245.79	-
0.40						46.0	-2964.03	-0.01	268.36	2.03e-04	9418.06	-
0.71												
47	28	3874.11	9455.17	-1.56e-04	0.0	0.0	-2999.42	-77.18	254.58	0.20	-2255.41	-
3874.11		323.89	-2255.41	-5.17e-04	0.0	23.0	-2985.32	-77.18	254.58	0.20	3599.88	-
2099.00						46.0	-2971.22	-77.18	254.58	0.20	9455.17	-
323.89												
47	31	-325.31	9380.95	1.56e-04	0.0	0.0	-2985.05	77.15	282.14	-0.20	-3597.55	-
3874.29		-3874.29	-3597.55	-2.22e-04	0.0	23.0	-2970.95	77.15	282.14	-0.20	2891.70	-
2099.80						46.0	-2956.85	77.15	282.14	-0.20	9380.95	-
325.31												
47	36	502.22	9541.84	-7.51e-05	0.0	0.0	-3016.01	-9.95	222.29	0.21	-683.72	-
502.22		44.48	-683.72	-8.87e-04	0.0	23.0	-3001.91	-9.95	222.29	0.21	4429.06	-
273.35						46.0	-2987.81	-9.95	222.29	0.21	9541.84	-
44.48												
47	39	-45.89	9294.28	7.50e-05	0.0	0.0	-2968.46	9.92	314.42	-0.21	-5169.25	-
502.39		-502.39	-5169.25	4.00e-04	0.0	23.0	-2954.36	9.92	314.42	-0.21	2062.51	-
274.14						46.0	-2940.26	9.92	314.42	-0.21	9294.28	-
45.89												
47	45	502.02	9294.25	-7.51e-05	0.0	0.0	-2968.50	-9.95	314.45	0.21	-5170.64	-
502.02		44.46	-5170.64	4.00e-04	0.0	23.0	-2954.39	-9.95	314.45	0.21	2061.81	-
273.24						46.0	-2940.29	-9.95	314.45	0.21	9294.25	-
44.46												
47	46	-45.88	9541.87	7.49e-05	0.0	0.0	-3015.98	9.92	222.26	-0.21	-682.33	-
502.20		-502.20	-682.33	-8.86e-04	0.0	23.0	-3001.88	9.92	222.26	-0.21	4429.77	-
274.04						46.0	-2987.78	9.92	222.26	-0.21	9541.87	-
45.88												
47	60	2266.59	9442.46	-9.04e-05	0.0	0.0	-2996.95	-45.16	259.30	0.11	-2485.38	-
2266.59		189.15	-2485.38	-4.65e-04	0.0	23.0	-2982.85	-45.16	259.30	0.11	3478.54	-
1227.87						46.0	-2968.75	-45.16	259.30	0.11	9442.46	-
189.15												
47	63	-190.56	9393.66	9.02e-05	0.0	0.0	-2987.52	45.13	277.42	-0.11	-3367.59	-
2266.76		-2266.76	-3367.59	-2.68e-04	0.0	23.0	-2973.42	45.13	277.42	-0.11	3013.04	-
1228.66						46.0	-2959.32	45.13	277.42	-0.11	9393.66	-
190.56												
47	68	249.89	9499.44	-4.55e-05	0.0	0.0	-3007.84	-4.95	238.09	0.13	-1452.80	-
249.89		22.23	-1452.80	-6.99e-04	0.0	23.0	-2993.74	-4.95	238.09	0.13	4023.32	-
136.06												

							46.0	-2979.64	-4.95	238.09	0.13	9499.44	
22.23													
47	71	-23.65	9336.68	4.54e-05	0.0	0.0	-2976.63	4.92	298.63	-0.13	-4400.17	-	
250.07		-250.07	-4400.17	1.89e-04	0.0	23.0	-2962.53	4.92	298.63	-0.13	2468.26	-	
136.86													
							46.0	-2948.43	4.92	298.63	-0.13	9336.68	-
23.65													
47	77	249.81	9336.67	-4.55e-05	0.0	0.0	-2976.65	-4.95	298.64	0.13	-4400.98		
249.81		22.23	-4400.98	1.89e-04	0.0	23.0	-2962.55	-4.95	298.64	0.13	2467.84		
136.02													
							46.0	-2948.45	-4.95	298.64	0.13	9336.67	
22.23													
47	78	-23.64	9499.45	4.54e-05	0.0	0.0	-3007.82	4.92	238.07	-0.13	-1451.99	-	
249.99		-249.99	-1451.99	-6.99e-04	0.0	23.0	-2993.72	4.92	238.07	-0.13	4023.73	-	
136.81													
							46.0	-2979.62	4.92	238.07	-0.13	9499.45	-
23.64													
47	80	-0.09	9418.06	0.0	0.0	0.0	-2992.24	-0.01	268.36	2.03e-04	-2926.48	-	
0.09		-0.71	-2926.48	-3.64e-04	0.0	23.0	-2978.14	-0.01	268.36	2.03e-04	3245.79	-	
0.40													
							46.0	-2964.03	-0.01	268.36	2.03e-04	9418.06	-
0.71													
47	81	-0.09	9418.06	0.0	0.0	0.0	-2992.24	-0.01	268.36	2.03e-04	-2926.48	-	
0.09		-0.71	-2926.48	-3.64e-04	0.0	23.0	-2978.14	-0.01	268.36	2.03e-04	3245.79	-	
0.40													
							46.0	-2964.03	-0.01	268.36	2.03e-04	9418.06	-
0.71													
47	82	-0.09	9418.06	0.0	0.0	0.0	-2992.24	-0.01	268.36	2.03e-04	-2926.48	-	
0.09		-0.71	-2926.48	-3.64e-04	0.0	23.0	-2978.14	-0.01	268.36	2.03e-04	3245.79	-	
0.40													
							46.0	-2964.03	-0.01	268.36	2.03e-04	9418.06	-
0.71													
48	1	-0.79	2.505e+04	0.0	0.0	0.0	-3646.72	-0.09	708.09	-7.63e-04	1.230e+04	-	
0.79		-2.40	1.230e+04	1.21e-03	0.0	9.0	-3639.54	-0.09	708.09	-7.63e-04	1.867e+04	-	
1.59													
							18.0	-3632.37	-0.09	708.09	-7.63e-04	2.505e+04	-
2.40													
48	2	-0.61	1.927e+04	0.0	0.0	0.0	-2805.17	-0.07	544.69	-5.87e-04	9462.99	-	
0.61		-1.84	9462.99	9.28e-04	0.0	9.0	-2799.65	-0.07	544.69	-5.87e-04	1.437e+04	-	
1.23													
							18.0	-2794.13	-0.07	544.69	-5.87e-04	1.927e+04	-
1.84													
48	11	-0.61	1.927e+04	0.0	0.0	0.0	-2805.17	-0.07	544.69	-5.87e-04	9462.99	-	
0.61		-1.84	9462.99	9.28e-04	0.0	9.0	-2799.65	-0.07	544.69	-5.87e-04	1.437e+04	-	
1.23													
							18.0	-2794.13	-0.07	544.69	-5.87e-04	1.927e+04	-
1.84													
48	28	639.64	1.933e+04	-6.37e-06	0.0	0.0	-2806.42	37.06	549.75	-0.27	9434.75	-	
28.33		-28.33	9434.75	8.80e-04	0.0	9.0	-2800.90	37.06	549.75	-0.27	1.438e+04	-	
305.65													
							18.0	-2795.38	37.06	549.75	-0.27	1.933e+04	-
639.64													
48	31	27.11	1.920e+04	6.26e-06	0.0	0.0	-2803.92	-37.20	539.63	0.26	9491.23		
27.11		-643.33	9491.23	9.76e-04	0.0	9.0	-2798.40	-37.20	539.63	0.26	1.435e+04	-	
308.11													
							18.0	-2792.88	-37.20	539.63	0.26	1.920e+04	-
643.33													
48	37	339.86	1.906e+04	1.51e-05	0.0	0.0	-2800.84	20.55	527.62	-0.63	9558.00	-	
30.41		-30.41	9558.00	1.09e-03	0.0	9.0	-2795.33	20.55	527.62	-0.63	1.431e+04	-	
154.73													
							18.0	-2789.81	20.55	527.62	-0.63	1.906e+04	-
339.86													
48	38	29.19	1.948e+04	-1.52e-05	0.0	0.0	-2809.49	-20.69	561.75	0.63	9367.98		
29.19													

157.18			-343.55	9367.98	7.68e-04	0.0	9.0	-2803.97	-20.69	561.75	0.63	1.442e+04	-
							18.0	-2798.45	-20.69	561.75	0.63	1.948e+04	-
343.55													
48	60		374.72	1.931e+04	-3.31e-06	0.0	0.0	-2805.99	21.75	548.02	-0.17	9444.37	-
17.14													
			-17.14	9444.37	8.96e-04	0.0	9.0	-2800.48	21.75	548.02	-0.17	1.438e+04	-
178.79													
							18.0	-2794.96	21.75	548.02	-0.17	1.931e+04	-
374.72													
48	63		15.92	1.923e+04	3.20e-06	0.0	0.0	-2804.34	-21.88	541.35	0.17	9481.61	-
15.92													
			-378.41	9481.61	9.59e-04	0.0	9.0	-2798.82	-21.88	541.35	0.17	1.435e+04	-
181.25													
							18.0	-2793.30	-21.88	541.35	0.17	1.923e+04	-
378.41													
48	69		208.37	1.913e+04	1.01e-05	0.0	0.0	-2802.32	12.65	533.46	-0.41	9525.56	-
19.54													
			-19.54	9525.56	1.03e-03	0.0	9.0	-2796.80	12.65	533.46	-0.41	1.433e+04	-
94.41													
							18.0	-2791.28	12.65	533.46	-0.41	1.913e+04	-
208.37													
48	70		18.33	1.941e+04	-1.02e-05	0.0	0.0	-2808.01	-12.79	555.92	0.41	9400.42	-
18.33													
			-212.06	9400.42	8.23e-04	0.0	9.0	-2802.49	-12.79	555.92	0.41	1.440e+04	-
96.86													
							18.0	-2796.98	-12.79	555.92	0.41	1.941e+04	-
212.06													
48	80		-0.61	1.927e+04	0.0	0.0	0.0	-2805.17	-0.07	544.69	-5.87e-04	9462.99	-
0.61													
			-1.84	9462.99	9.28e-04	0.0	9.0	-2799.65	-0.07	544.69	-5.87e-04	1.437e+04	-
1.23													
							18.0	-2794.13	-0.07	544.69	-5.87e-04	1.927e+04	-
1.84													
48	81		-0.61	1.927e+04	0.0	0.0	0.0	-2805.17	-0.07	544.69	-5.87e-04	9462.99	-
0.61													
			-1.84	9462.99	9.28e-04	0.0	9.0	-2799.65	-0.07	544.69	-5.87e-04	1.437e+04	-
1.23													
							18.0	-2794.13	-0.07	544.69	-5.87e-04	1.927e+04	-
1.84													
48	82		-0.61	1.927e+04	0.0	0.0	0.0	-2805.17	-0.07	544.69	-5.87e-04	9462.99	-
0.61													
			-1.84	9462.99	9.28e-04	0.0	9.0	-2799.65	-0.07	544.69	-5.87e-04	1.437e+04	-
1.23													
							18.0	-2794.13	-0.07	544.69	-5.87e-04	1.927e+04	-
1.84													
49	1		3651.82	1080.88	2.42e-04	0.0	0.0	-3919.17	30.38	7.90	0.26	772.61	-
2466.91													
			2466.91	772.61	3.91e-04	0.0	19.5	-3903.63	30.38	7.90	0.26	926.75	-
3059.37													
							39.0	-3888.09	30.38	7.90	0.26	1080.88	-
3651.82													
49	2		2809.09	831.45	1.86e-04	0.0	0.0	-3014.75	23.37	6.08	0.20	594.32	-
1897.62													
			1897.62	594.32	3.01e-04	0.0	19.5	-3002.79	23.37	6.08	0.20	712.88	-
2353.36													
							39.0	-2990.84	23.37	6.08	0.20	831.45	-
2809.09													
49	11		2809.09	831.45	1.86e-04	0.0	0.0	-3014.75	23.37	6.08	0.20	594.32	-
1897.62													
			1897.62	594.32	3.01e-04	0.0	19.5	-3002.79	23.37	6.08	0.20	712.88	-
2353.36													
							39.0	-2990.84	23.37	6.08	0.20	831.45	-
2809.09													
49	21		7248.35	326.62	-4.07e-04	0.0	0.0	-3023.38	64.76	0.27	3.32	316.26	-
4722.61													
			4722.61	316.26	5.47e-04	0.0	19.5	-3011.42	64.76	0.27	3.32	321.44	-
5985.48													
							39.0	-2999.47	64.76	0.27	3.32	326.62	-
7248.35													
49	22		-927.36	1336.27	7.80e-04	0.0	0.0	-3006.11	-18.02	11.89	-2.92	872.37	-
927.36													
			-1630.16	872.37	5.43e-05	0.0	19.5	-2994.16	-18.02	11.89	-2.92	1104.32	-
1278.76													
							39.0	-2982.20	-18.02	11.89	-2.92	1336.27	-
1630.16													

49	32	4746.84	4050.91	-8.36e-05	0.0	0.0	-2967.71	41.26	42.82	8.24	2380.97
3137.55		3137.55	2380.97	-1.20e-03	0.0	19.5	-2955.76	41.26	42.82	8.24	3215.94
3942.19						39.0	-2943.80	41.26	42.82	8.24	4050.91
4746.84											
49	35	871.35	-1192.34	4.11e-04	0.0	0.0	-3061.78	5.48	-30.66	-7.84	-1192.34
657.70		657.70	-2388.02	1.80e-03	0.0	19.5	-3049.83	5.48	-30.66	-7.84	-1790.18
764.52						39.0	-3037.87	5.48	-30.66	-7.84	-2388.02
871.35											
49	53	5406.66	493.68	-1.75e-04	0.0	0.0	-3020.43	47.59	2.19	2.22	408.12
3550.82		3550.82	408.12	4.65e-04	0.0	19.5	-3008.48	47.59	2.19	2.22	450.90
4478.74						39.0	-2996.52	47.59	2.19	2.22	493.68
5406.66											
49	54	244.43	1169.22	5.33e-04	0.0	0.0	-3009.06	-0.84	9.97	-1.82	780.51
244.43		211.53	780.51	1.37e-04	0.0	19.5	-2997.11	-0.84	9.97	-1.82	974.86
227.98						39.0	-2985.15	-0.84	9.97	-1.82	1169.22
211.53											
49	64	3980.84	2958.63	5.21e-05	0.0	0.0	-2983.64	34.18	30.36	5.36	1774.74
2647.70		2647.70	1774.74	-6.93e-04	0.0	19.5	-2971.68	34.18	30.36	5.36	2366.68
3314.27						39.0	-2959.73	34.18	30.36	5.36	2958.63
3980.84											
49	67	1637.35	-586.11	3.21e-04	0.0	0.0	-3045.86	12.56	-18.20	-4.96	-586.11
1147.55		1147.55	-1295.73	1.29e-03	0.0	19.5	-3033.90	12.56	-18.20	-4.96	-940.92
1392.45						39.0	-3021.95	12.56	-18.20	-4.96	-1295.73
1637.35											
49	80	2809.09	831.45	1.86e-04	0.0	0.0	-3014.75	23.37	6.08	0.20	594.32
1897.62		1897.62	594.32	3.01e-04	0.0	19.5	-3002.79	23.37	6.08	0.20	712.88
2353.36						39.0	-2990.84	23.37	6.08	0.20	831.45
2809.09											
49	81	2809.09	831.45	1.86e-04	0.0	0.0	-3014.75	23.37	6.08	0.20	594.32
1897.62		1897.62	594.32	3.01e-04	0.0	19.5	-3002.79	23.37	6.08	0.20	712.88
2353.36						39.0	-2990.84	23.37	6.08	0.20	831.45
2809.09											
49	82	2809.09	831.45	1.86e-04	0.0	0.0	-3014.75	23.37	6.08	0.20	594.32
1897.62		1897.62	594.32	3.01e-04	0.0	19.5	-3002.79	23.37	6.08	0.20	712.88
2353.36						39.0	-2990.84	23.37	6.08	0.20	831.45
2809.09											
50	1	3523.97	3803.38	7.76e-04	0.0	0.0	-3888.71	-48.29	-348.73	-0.27	3803.38
3523.97		1302.58	-1.224e+04	4.73e-04	0.0	23.0	-3870.38	-48.29	-348.73	-0.27	-4217.32
2413.28						46.0	-3852.05	-48.29	-348.73	-0.27	-1.224e+04
1302.58											
50	2	2710.75	2925.68	5.97e-04	0.0	0.0	-2991.32	-37.15	-268.25	-0.21	2925.68
2710.75		1001.99	-9413.86	3.64e-04	0.0	23.0	-2977.22	-37.15	-268.25	-0.21	-3244.09
1856.37						46.0	-2963.11	-37.15	-268.25	-0.21	-9413.86
1001.99											
50	11	2710.75	2925.68	5.97e-04	0.0	0.0	-2991.32	-37.15	-268.25	-0.21	2925.68
2710.75		1001.99	-9413.86	3.64e-04	0.0	23.0	-2977.22	-37.15	-268.25	-0.21	-3244.09
1856.37						46.0	-2963.11	-37.15	-268.25	-0.21	-9413.86
1001.99											
50	21	6502.08	2501.74	4.22e-04	0.0	0.0	-2993.90	-112.45	-259.56	-0.39	2501.74
6502.08		1329.50	-9437.92	4.68e-04	0.0	23.0	-2979.80	-112.45	-259.56	-0.39	-3468.09
3915.79											

						46.0	-2965.70	-112.45	-259.56	-0.39	-9437.92	
1329.50												
50	22	674.47	3349.61	7.72e-04	0.0	0.0	-2988.74	38.15	-276.94	-0.03	3349.61	-
1080.59												
		-1080.59	-9389.80	2.66e-04	0.0	23.0	-2974.64	38.15	-276.94	-0.03	-3020.09	-
203.06												
						46.0	-2960.53	38.15	-276.94	-0.03	-9389.80	
674.47												
50	32	4369.07	5613.06	5.62e-04	0.0	0.0	-2962.73	-70.11	-323.47	-0.39	5613.06	
4369.07												
		1144.09	-9266.58	-5.09e-04	0.0	23.0	-2948.63	-70.11	-323.47	-0.39	-1826.76	
2756.58												
						46.0	-2934.53	-70.11	-323.47	-0.39	-9266.58	
1144.09												
50	35	1052.43	238.30	6.32e-04	0.0	0.0	-3019.90	-4.18	-213.03	-0.03	238.30	
1052.43												
		859.88	-9561.14	9.87e-04	0.0	23.0	-3005.80	-4.18	-213.03	-0.03	-4661.42	
956.16												
						46.0	-2991.70	-4.18	-213.03	-0.03	-9561.14	
859.88												
50	36	4046.22	5544.59	5.78e-04	0.0	0.0	-2962.66	-63.70	-322.06	-0.38	5544.59	
4046.22												
		1116.04	-9269.94	-4.95e-04	0.0	23.0	-2948.56	-63.70	-322.06	-0.38	-1862.68	
2581.13												
						46.0	-2934.46	-63.70	-322.06	-0.38	-9269.94	
1116.04												
50	39	1375.28	306.77	6.16e-04	0.0	0.0	-3019.97	-10.59	-214.45	-0.04	306.77	
1375.28												
		887.93	-9557.78	9.74e-04	0.0	23.0	-3005.87	-10.59	-214.45	-0.04	-4625.51	
1131.61												
						46.0	-2991.77	-10.59	-214.45	-0.04	-9557.78	
887.93												
50	53	4929.29	2642.22	4.96e-04	0.0	0.0	-2993.19	-81.21	-262.44	-0.31	2642.22	
4929.29												
		1193.60	-9429.89	4.33e-04	0.0	23.0	-2979.09	-81.21	-262.44	-0.31	-3393.84	
3061.45												
						46.0	-2964.99	-81.21	-262.44	-0.31	-9429.89	
1193.60												
50	54	810.37	3209.14	6.98e-04	0.0	0.0	-2989.44	6.92	-274.06	-0.11	3209.14	
492.21												
		492.21	-9397.83	2.97e-04	0.0	23.0	-2975.34	6.92	-274.06	-0.11	-3094.35	
651.29												
						46.0	-2961.24	6.92	-274.06	-0.11	-9397.83	
810.37												
50	64	3713.69	4701.39	5.78e-04	0.0	0.0	-2972.48	-57.08	-304.74	-0.32	4701.39	
3713.69												
		1087.96	-9316.51	-2.63e-04	0.0	23.0	-2958.38	-57.08	-304.74	-0.32	-2307.56	
2400.82												
						46.0	-2944.28	-57.08	-304.74	-0.32	-9316.51	
1087.96												
50	67	1707.81	1149.96	6.16e-04	0.0	0.0	-3010.16	-17.21	-231.76	-0.10	1149.96	
1707.81												
		916.02	-9511.21	7.62e-04	0.0	23.0	-2996.05	-17.21	-231.76	-0.10	-4180.62	
1311.91												
						46.0	-2981.95	-17.21	-231.76	-0.10	-9511.21	
916.02												
50	68	3509.99	4662.00	5.88e-04	0.0	0.0	-2972.46	-53.04	-303.92	-0.31	4662.00	
3509.99												
		1070.27	-9318.46	-2.55e-04	0.0	23.0	-2958.36	-53.04	-303.92	-0.31	-2328.23	
2290.13												
						46.0	-2944.26	-53.04	-303.92	-0.31	-9318.46	
1070.27												
50	71	1911.51	1189.36	6.06e-04	0.0	0.0	-3010.17	-21.26	-232.58	-0.11	1189.36	
1911.51												
		933.70	-9509.26	7.54e-04	0.0	23.0	-2996.07	-21.26	-232.58	-0.11	-4159.95	
1422.61												
						46.0	-2981.97	-21.26	-232.58	-0.11	-9509.26	
933.70												
50	80	2710.75	2925.68	5.97e-04	0.0	0.0	-2991.32	-37.15	-268.25	-0.21	2925.68	
2710.75												
		1001.99	-9413.86	3.64e-04	0.0	23.0	-2977.22	-37.15	-268.25	-0.21	-3244.09	
1856.37												
						46.0	-2963.11	-37.15	-268.25	-0.21	-9413.86	
1001.99												
50	81	2710.75	2925.68	5.97e-04	0.0	0.0	-2991.32	-37.15	-268.25	-0.21	2925.68	
2710.75												

1856.37		1001.99	-9413.86	3.64e-04	0.0	23.0	-2977.22	-37.15	-268.25	-0.21	-3244.09	
						46.0	-2963.11	-37.15	-268.25	-0.21	-9413.86	
1001.99	82	2710.75	2925.68	5.97e-04	0.0	0.0	-2991.32	-37.15	-268.25	-0.21	2925.68	
2710.75		1001.99	-9413.86	3.64e-04	0.0	23.0	-2977.22	-37.15	-268.25	-0.21	-3244.09	
1856.37						46.0	-2963.11	-37.15	-268.25	-0.21	-9413.86	
1001.99	1	1440.56	-1.230e+04	3.69e-04	0.0	0.0	-3619.63	-312.57	-707.75	0.10	-1.230e+04	
1440.56		-4185.72	-2.504e+04	-1.21e-03	0.0	9.0	-3612.46	-312.57	-707.75	0.10	-1.867e+04	-
1372.58						18.0	-3605.29	-312.57	-707.75	0.10	-2.504e+04	-
4185.72	2	1108.12	-9458.38	2.83e-04	0.0	0.0	-2784.33	-240.44	-544.42	0.07	-9458.38	
51		-3219.78	-1.926e+04	-9.27e-04	0.0	9.0	-2778.82	-240.44	-544.42	0.07	-1.436e+04	-
1108.12						18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
1055.83						18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
3219.78	11	1108.12	-9458.38	2.83e-04	0.0	0.0	-2784.33	-240.44	-544.42	0.07	-9458.38	
51		-3219.78	-1.926e+04	-9.27e-04	0.0	9.0	-2778.82	-240.44	-544.42	0.07	-1.436e+04	-
1108.12						18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
1055.83						18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
3219.78	19	1128.69	-9422.77	2.98e-04	0.0	0.0	-2786.69	-279.87	-550.89	-0.15	-9422.77	
51		-3909.47	-1.934e+04	-8.66e-04	0.0	9.0	-2781.17	-279.87	-550.89	-0.15	-1.438e+04	-
1128.69						18.0	-2775.66	-279.87	-550.89	-0.15	-1.934e+04	-
1390.39						18.0	-2775.66	-279.87	-550.89	-0.15	-1.934e+04	-
3909.47	30	1139.95	-9483.71	2.91e-04	0.0	0.0	-2783.64	-272.32	-539.83	-0.17	-9483.71	
51		-3762.22	-1.920e+04	-9.71e-04	0.0	9.0	-2778.12	-272.32	-539.83	-0.17	-1.434e+04	-
1139.95						18.0	-2772.61	-272.32	-539.83	-0.17	-1.920e+04	-
1311.14						18.0	-2772.61	-272.32	-539.83	-0.17	-1.920e+04	-
3762.22	32	1083.80	-9568.41	2.93e-04	0.0	0.0	-2779.33	-219.76	-524.57	0.63	-9568.41	
51		-2871.24	-1.901e+04	-1.11e-03	0.0	9.0	-2773.82	-219.76	-524.57	0.63	-1.429e+04	-
1083.80						18.0	-2768.30	-219.76	-524.57	0.63	-1.901e+04	-
893.72						18.0	-2768.30	-219.76	-524.57	0.63	-1.901e+04	-
2871.24	35	1132.45	-9348.35	2.74e-04	0.0	0.0	-2789.33	-261.11	-564.28	-0.48	-9348.35	
51		-3568.33	-1.951e+04	-7.41e-04	0.0	9.0	-2783.82	-261.11	-564.28	-0.48	-1.443e+04	-
1132.45						18.0	-2778.30	-261.11	-564.28	-0.48	-1.951e+04	-
1217.94						18.0	-2778.30	-261.11	-564.28	-0.48	-1.951e+04	-
3568.33	54	1120.63	-9471.92	2.91e-04	0.0	0.0	-2784.16	-263.56	-542.03	-0.07	-9471.92	
51		-3623.87	-1.923e+04	-9.49e-04	0.0	9.0	-2778.64	-263.56	-542.03	-0.07	-1.435e+04	-
1120.63						18.0	-2773.12	-263.56	-542.03	-0.07	-1.923e+04	-
1251.62						18.0	-2773.12	-263.56	-542.03	-0.07	-1.923e+04	-
3623.87	62	1126.46	-9474.79	2.87e-04	0.0	0.0	-2783.84	-258.58	-541.45	-0.08	-9474.79	
51		-3528.26	-1.922e+04	-9.56e-04	0.0	9.0	-2778.33	-258.58	-541.45	-0.08	-1.435e+04	-
1126.46						18.0	-2772.81	-258.58	-541.45	-0.08	-1.922e+04	-
1200.90						18.0	-2772.81	-258.58	-541.45	-0.08	-1.922e+04	-
3528.26	64	1093.11	-9531.18	2.90e-04	0.0	0.0	-2781.05	-227.87	-531.29	0.43	-9531.18	
51		-3008.07	-1.909e+04	-1.05e-03	0.0	9.0	-2775.53	-227.87	-531.29	0.43	-1.431e+04	-
1093.11						18.0	-2770.01	-227.87	-531.29	0.43	-1.909e+04	-
957.48						18.0	-2770.01	-227.87	-531.29	0.43	-1.909e+04	-
3008.07	67	1123.14	-9385.59	2.77e-04	0.0	0.0	-2787.62	-253.01	-557.56	-0.28	-9385.59	
51		-3431.50	-1.942e+04	-8.04e-04	0.0	9.0	-2782.10	-253.01	-557.56	-0.28	-1.440e+04	-
1123.14						18.0	-2776.59	-253.01	-557.56	-0.28	-1.942e+04	-
1154.18						18.0	-2776.59	-253.01	-557.56	-0.28	-1.942e+04	-
3431.50						18.0	-2776.59	-253.01	-557.56	-0.28	-1.942e+04	-

51	80	1108.12	-9458.38	2.83e-04	0.0	0.0	-2784.33	-240.44	-544.42	0.07	-9458.38		
1108.12			-3219.78	-1.926e+04	-9.27e-04	0.0	9.0	-2778.82	-240.44	-544.42	0.07	-1.436e+04	-
1055.83							18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
3219.78													
51	81	1108.12	-9458.38	2.83e-04	0.0	0.0	-2784.33	-240.44	-544.42	0.07	-9458.38		
1108.12			-3219.78	-1.926e+04	-9.27e-04	0.0	9.0	-2778.82	-240.44	-544.42	0.07	-1.436e+04	-
1055.83							18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
3219.78													
51	82	1108.12	-9458.38	2.83e-04	0.0	0.0	-2784.33	-240.44	-544.42	0.07	-9458.38		
1108.12			-3219.78	-1.926e+04	-9.27e-04	0.0	9.0	-2778.82	-240.44	-544.42	0.07	-1.436e+04	-
1055.83							18.0	-2773.30	-240.44	-544.42	0.07	-1.926e+04	-
3219.78													
52	1	3651.82	-772.61	2.42e-04	0.0	0.0	-3919.17	30.38	-7.90	-0.26	-772.61		
2466.91		2466.91	-1080.88	-3.91e-04	0.0	19.5	-3903.63	30.38	-7.90	-0.26	-926.75		
3059.37							39.0	-3888.09	30.38	-7.90	-0.26	-1080.88	
3651.82													
52	2	2809.09	-594.32	1.86e-04	0.0	0.0	-3014.75	23.37	-6.08	-0.20	-594.32		
1897.62		1897.62	-831.45	-3.01e-04	0.0	19.5	-3002.79	23.37	-6.08	-0.20	-712.88		
2353.36							39.0	-2990.84	23.37	-6.08	-0.20	-831.45	
2809.09													
52	11	2809.09	-594.32	1.86e-04	0.0	0.0	-3014.75	23.37	-6.08	-0.20	-594.32		
1897.62		1897.62	-831.45	-3.01e-04	0.0	19.5	-3002.79	23.37	-6.08	-0.20	-712.88		
2353.36							39.0	-2990.84	23.37	-6.08	-0.20	-831.45	
2809.09													
52	20	6804.71	-31.01	-3.44e-04	0.0	0.0	-3023.14	60.60	3.04	-1.75	-149.58		
4441.13		4441.13	-149.58	-6.72e-04	0.0	19.5	-3011.19	60.60	3.04	-1.75	-90.30		
5622.92							39.0	-2999.23	60.60	3.04	-1.75	-31.01	
6804.71													
52	23	-645.88	-1039.05	7.16e-04	0.0	0.0	-3006.35	-13.86	-15.20	1.35	-1039.05	-	
645.88		-1186.53	-1631.88	1.02e-04	0.0	19.5	-2994.40	-13.86	-15.20	1.35	-1335.47	-	
916.21							39.0	-2982.44	-13.86	-15.20	1.35	-1631.88	-
1186.53													
52	32	3278.75	2388.15	8.28e-05	0.0	0.0	-3060.86	27.96	30.66	7.82	1192.42		
2188.47		2188.47	1192.42	-1.80e-03	0.0	19.5	-3048.90	27.96	30.66	7.82	1790.29		
2733.61							39.0	-3036.95	27.96	30.66	7.82	2388.15	
3278.75													
52	33	4613.74	-2330.97	-7.05e-05	0.0	0.0	-2967.67	40.02	-41.83	-7.77	-2330.97		
3053.10		3053.10	-3962.22	1.17e-03	0.0	19.5	-2955.71	40.02	-41.83	-7.77	-3146.59		
3833.42							39.0	-2943.76	40.02	-41.83	-7.77	-3962.22	
4613.74													
52	34	1004.45	2299.33	3.92e-04	0.0	0.0	-3061.83	6.73	29.67	7.37	1142.33		
742.15		742.15	1142.33	-1.77e-03	0.0	19.5	-3049.87	6.73	29.67	7.37	1720.83		
873.30							39.0	-3037.92	6.73	29.67	7.37	2299.33	
1004.45													
52	35	2339.44	-2381.06	2.90e-04	0.0	0.0	-2968.64	18.79	-42.82	-8.22	-2381.06		
1606.78		1606.78	-4051.04	1.20e-03	0.0	19.5	-2956.68	18.79	-42.82	-8.22	-3216.05		
1973.11							39.0	-2944.73	18.79	-42.82	-8.22	-4051.04	
2339.44													
52	52	5146.46	-311.54	-1.45e-04	0.0	0.0	-3020.30	45.15	-0.27	-1.24	-311.54		
3385.71		3385.71	-322.21	-5.38e-04	0.0	19.5	-3008.34	45.15	-0.27	-1.24	-316.88		
4266.08													

5146.46						39.0	-2996.39	45.15	-0.27	-1.24	-322.21
52	55	471.73	-877.10	4.96e-04	0.0	0.0	-3009.19	1.59	-11.89	0.84	-877.10
409.54		409.54	-1340.68	-6.39e-05	0.0	19.5	-2997.24	1.59	-11.89	0.84	-1108.89
440.63						39.0	-2985.28	1.59	-11.89	0.84	-1340.68
471.73											
52	64	3037.33	1295.81	1.30e-04	0.0	0.0	-3045.30	25.63	18.20	4.95	586.16
2037.74		2037.74	586.16	-1.29e-03	0.0	19.5	-3033.35	25.63	18.20	4.95	940.99
2537.54						39.0	-3021.39	25.63	18.20	4.95	1295.81
3037.33											
52	65	3902.77	-1745.77	6.33e-05	0.0	0.0	-2983.61	33.45	-29.78	-5.07	-1745.77
2598.16		2598.16	-2907.19	6.71e-04	0.0	19.5	-2971.66	33.45	-29.78	-5.07	-2326.48
3250.47						39.0	-2959.70	33.45	-29.78	-5.07	-2907.19
3902.77											
52	66	1715.42	1244.29	3.09e-04	0.0	0.0	-3045.88	13.29	17.62	4.67	557.13
1197.08		1197.08	557.13	-1.27e-03	0.0	19.5	-3033.92	13.29	17.62	4.67	900.71
1456.25						39.0	-3021.97	13.29	17.62	4.67	1244.29
1715.42											
52	67	2580.85	-1774.79	2.43e-04	0.0	0.0	-2984.19	21.11	-30.36	-5.35	-1774.79
1757.51		1757.51	-2958.70	6.93e-04	0.0	19.5	-2972.24	21.11	-30.36	-5.35	-2366.75
2169.18						39.0	-2960.28	21.11	-30.36	-5.35	-2958.70
2580.85											
52	80	2809.09	-594.32	1.86e-04	0.0	0.0	-3014.75	23.37	-6.08	-0.20	-594.32
1897.62		1897.62	-831.45	-3.01e-04	0.0	19.5	-3002.79	23.37	-6.08	-0.20	-712.88
2353.36						39.0	-2990.84	23.37	-6.08	-0.20	-831.45
2809.09											
52	81	2809.09	-594.32	1.86e-04	0.0	0.0	-3014.75	23.37	-6.08	-0.20	-594.32
1897.62		1897.62	-831.45	-3.01e-04	0.0	19.5	-3002.79	23.37	-6.08	-0.20	-712.88
2353.36						39.0	-2990.84	23.37	-6.08	-0.20	-831.45
2809.09											
52	82	2809.09	-594.32	1.86e-04	0.0	0.0	-3014.75	23.37	-6.08	-0.20	-594.32
1897.62		1897.62	-831.45	-3.01e-04	0.0	19.5	-3002.79	23.37	-6.08	-0.20	-712.88
2353.36						39.0	-2990.84	23.37	-6.08	-0.20	-831.45
2809.09											
53	1	3523.97	1.224e+04	7.76e-04	0.0	0.0	-3888.71	-48.29	348.73	0.27	-3803.38
3523.97		1302.58	-3803.38	-4.73e-04	0.0	23.0	-3870.38	-48.29	348.73	0.27	4217.32
2413.28						46.0	-3852.05	-48.29	348.73	0.27	1.224e+04
1302.58											
53	2	2710.75	9413.86	5.97e-04	0.0	0.0	-2991.32	-37.15	268.25	0.21	-2925.68
2710.75		1001.99	-2925.68	-3.64e-04	0.0	23.0	-2977.22	-37.15	268.25	0.21	3244.09
1856.37						46.0	-2963.11	-37.15	268.25	0.21	9413.86
1001.99											
53	11	2710.75	9413.86	5.97e-04	0.0	0.0	-2991.32	-37.15	268.25	0.21	-2925.68
2710.75		1001.99	-2925.68	-3.64e-04	0.0	23.0	-2977.22	-37.15	268.25	0.21	3244.09
1856.37						46.0	-2963.11	-37.15	268.25	0.21	9413.86
1001.99											
53	20	6128.65	9449.93	4.45e-04	0.0	0.0	-2992.76	-105.03	254.53	0.39	-2258.68
6128.65		1297.14	-2258.68	-5.11e-04	0.0	23.0	-2978.66	-105.03	254.53	0.39	3595.62
3712.90						46.0	-2964.55	-105.03	254.53	0.39	9449.93
1297.14											
53	23	706.83	9377.79	7.49e-04	0.0	0.0	-2989.88	30.74	281.97	0.04	-3592.67
707.15											-

0.16		-707.15	-3592.67	-2.27e-04	0.0	23.0	-2975.78	30.74	281.97	0.04	2892.56	-
						46.0	-2961.67	30.74	281.97	0.04	9377.79	
706.83												
53	32	3109.41	9561.08	5.30e-04	0.0	0.0	-3017.61	-45.04	213.03	0.16	-238.23	
3109.41												
		1037.74	-238.23	-9.87e-04	0.0	23.0	-3003.51	-45.04	213.03	0.16	4661.42	
2073.57						46.0	-2989.41	-45.04	213.03	0.16	9561.08	
1037.74												
53	33	4257.03	9270.18	5.69e-04	0.0	0.0	-2962.41	-67.89	321.96	0.39	-5540.14	
4257.03												
		1134.38	-5540.14	4.94e-04	0.0	23.0	-2948.31	-67.89	321.96	0.39	1865.02	
2695.71						46.0	-2934.21	-67.89	321.96	0.39	9270.18	
1134.38												
53	34	1164.47	9557.54	6.25e-04	0.0	0.0	-3020.23	-6.41	214.54	0.03	-311.22	
1164.47												
		869.59	-311.22	-9.73e-04	0.0	23.0	-3006.13	-6.41	214.54	0.03	4623.16	
1017.03						46.0	-2992.02	-6.41	214.54	0.03	9557.54	
869.59												
53	35	2312.09	9266.65	6.64e-04	0.0	0.0	-2965.03	-29.26	323.47	0.26	-5613.13	
2312.09												
		966.24	-5613.13	5.09e-04	0.0	23.0	-2950.92	-29.26	323.47	0.26	1826.76	
1639.16						46.0	-2936.82	-29.26	323.47	0.26	9266.65	
966.24												
53	52	4710.24	9436.91	5.09e-04	0.0	0.0	-2992.54	-76.86	259.52	0.31	-2501.11	
4710.24												
		1174.62	-2501.11	-4.58e-04	0.0	23.0	-2978.43	-76.86	259.52	0.31	3467.90	
2942.43						46.0	-2964.33	-76.86	259.52	0.31	9436.91	
1174.62												
53	55	829.36	9390.81	6.85e-04	0.0	0.0	-2990.10	2.57	276.98	0.11	-3350.25	
711.26												
		711.26	-3350.25	-2.73e-04	0.0	23.0	-2976.00	2.57	276.98	0.11	3020.28	
770.31						46.0	-2961.90	2.57	276.98	0.11	9390.81	
829.36												
53	64	2904.02	9511.17	5.57e-04	0.0	0.0	-3008.82	-40.97	231.76	0.17	-1149.92	
2904.02												
		1019.44	-1149.92	-7.62e-04	0.0	23.0	-2994.72	-40.97	231.76	0.17	4180.62	
1961.73						46.0	-2980.61	-40.97	231.76	0.17	9511.17	
1019.44												
53	65	3647.97	9318.62	5.82e-04	0.0	0.0	-2972.29	-55.78	303.86	0.32	-4659.06	
3647.97												
		1082.26	-4659.06	2.54e-04	0.0	23.0	-2958.19	-55.78	303.86	0.32	2329.78	
2365.11						46.0	-2944.09	-55.78	303.86	0.32	9318.62	
1082.26												
53	66	1773.53	9509.10	6.12e-04	0.0	0.0	-3010.34	-18.52	232.64	0.10	-1192.30	
1773.53												
		921.71	-1192.30	-7.54e-04	0.0	23.0	-2996.24	-18.52	232.64	0.10	4158.40	
1347.62						46.0	-2982.14	-18.52	232.64	0.10	9509.10	
921.71												
53	67	2517.48	9316.55	6.37e-04	0.0	0.0	-2973.82	-33.33	304.74	0.25	-4701.43	
2517.48												
		984.53	-4701.43	2.63e-04	0.0	23.0	-2959.72	-33.33	304.74	0.25	2307.56	
1751.01						46.0	-2945.61	-33.33	304.74	0.25	9316.55	
984.53												
53	80	2710.75	9413.86	5.97e-04	0.0	0.0	-2991.32	-37.15	268.25	0.21	-2925.68	
2710.75												
		1001.99	-2925.68	-3.64e-04	0.0	23.0	-2977.22	-37.15	268.25	0.21	3244.09	
1856.37						46.0	-2963.11	-37.15	268.25	0.21	9413.86	
1001.99												
53	81	2710.75	9413.86	5.97e-04	0.0	0.0	-2991.32	-37.15	268.25	0.21	-2925.68	
2710.75												
		1001.99	-2925.68	-3.64e-04	0.0	23.0	-2977.22	-37.15	268.25	0.21	3244.09	
1856.37						46.0	-2963.11	-37.15	268.25	0.21	9413.86	
1001.99												

53	82	2710.75	9413.86	5.97e-04	0.0	0.0	-2991.32	-37.15	268.25	0.21	-2925.68	
2710.75		1001.99	-2925.68	-3.64e-04	0.0	23.0	-2977.22	-37.15	268.25	0.21	3244.09	
1856.37						46.0	-2963.11	-37.15	268.25	0.21	9413.86	
1001.99	1	1440.56	2.504e+04	3.69e-04	0.0	0.0	-3619.63	-312.57	707.75	-0.10	1.230e+04	
54		-4185.72	1.230e+04	1.21e-03	0.0	9.0	-3612.46	-312.57	707.75	-0.10	1.867e+04	-
1440.56						18.0	-3605.29	-312.57	707.75	-0.10	2.504e+04	-
1372.58												
4185.72	2	1108.12	1.926e+04	2.83e-04	0.0	0.0	-2784.33	-240.44	544.42	-0.07	9458.38	
54		-3219.78	9458.38	9.27e-04	0.0	9.0	-2778.82	-240.44	544.42	-0.07	1.436e+04	-
1108.12						18.0	-2773.30	-240.44	544.42	-0.07	1.926e+04	-
1055.83												
3219.78	11	1108.12	1.926e+04	2.83e-04	0.0	0.0	-2784.33	-240.44	544.42	-0.07	9458.38	
54		-3219.78	9458.38	9.27e-04	0.0	9.0	-2778.82	-240.44	544.42	-0.07	1.436e+04	-
1108.12						18.0	-2773.30	-240.44	544.42	-0.07	1.926e+04	-
1055.83												
3219.78	18	1142.88	1.932e+04	2.94e-04	0.0	0.0	-2786.56	-279.49	549.79	0.19	9428.45	
54		-3888.18	9428.45	8.77e-04	0.0	9.0	-2781.04	-279.49	549.79	0.19	1.438e+04	-
1142.88						18.0	-2775.52	-279.49	549.79	0.19	1.932e+04	-
1372.65												
3888.18	23	1143.24	1.920e+04	2.94e-04	0.0	0.0	-2784.03	-279.46	539.69	0.19	9484.62	
54		-3887.51	9484.62	9.72e-04	0.0	9.0	-2778.51	-279.46	539.69	0.19	1.434e+04	-
1143.24						18.0	-2773.00	-279.46	539.69	0.19	1.920e+04	-
1372.13												
3887.51	32	1119.43	1.951e+04	2.63e-04	0.0	0.0	-2788.79	-239.32	564.27	0.43	9348.37	
54		-3188.89	9348.37	7.41e-04	0.0	9.0	-2783.27	-239.32	564.27	0.43	1.443e+04	-
1119.43						18.0	-2777.75	-239.32	564.27	0.43	1.951e+04	-
1034.73												
3188.89	33	1079.55	1.901e+04	2.95e-04	0.0	0.0	-2779.39	-219.88	524.90	-0.64	9566.71	
54		-2877.65	9566.71	1.11e-03	0.0	9.0	-2773.87	-219.88	524.90	-0.64	1.429e+04	-
1079.55						18.0	-2768.35	-219.88	524.90	-0.64	1.901e+04	-
899.05												
2877.65	34	1136.69	1.950e+04	2.72e-04	0.0	0.0	-2789.28	-261.00	563.95	0.49	9350.06	
54		-3561.92	9350.06	7.45e-04	0.0	9.0	-2783.76	-261.00	563.95	0.49	1.443e+04	-
1136.69						18.0	-2778.24	-261.00	563.95	0.49	1.950e+04	-
1212.61												
3561.92	55	1128.90	1.922e+04	2.89e-04	0.0	0.0	-2784.08	-263.32	541.37	0.09	9475.35	
54		-3611.21	9475.35	9.56e-04	0.0	9.0	-2778.56	-263.32	541.37	0.09	1.435e+04	-
1128.90						18.0	-2773.04	-263.32	541.37	0.09	1.922e+04	-
1241.15												
3611.21	64	1115.57	1.942e+04	2.71e-04	0.0	0.0	-2787.30	-240.34	557.55	0.25	9385.59	
54		-3210.83	9385.59	8.04e-04	0.0	9.0	-2781.79	-240.34	557.55	0.25	1.440e+04	-
1115.57						18.0	-2776.27	-240.34	557.55	0.25	1.942e+04	-
1047.63												
3210.83	65	1090.63	1.910e+04	2.91e-04	0.0	0.0	-2781.08	-227.94	531.49	-0.43	9530.15	
54		-3011.88	9530.15	1.05e-03	0.0	9.0	-2775.56	-227.94	531.49	-0.43	1.431e+04	-
1090.63						18.0	-2770.04	-227.94	531.49	-0.43	1.910e+04	-
960.62												
3011.88	66	1125.61	1.942e+04	2.76e-04	0.0	0.0	-2787.59	-252.94	557.36	0.29	9386.61	
54		-3427.68	9386.61	8.06e-04	0.0	9.0	-2782.07	-252.94	557.36	0.29	1.440e+04	-
1125.61												
1151.04												

3427.68						18.0	-2776.55	-252.94	557.36	0.29	1.942e+04	-
54	80	1108.12	1.926e+04	2.83e-04	0.0	0.0	-2784.33	-240.44	544.42	-0.07	9458.38	
1108.12												
		-3219.78	9458.38	9.27e-04	0.0	9.0	-2778.82	-240.44	544.42	-0.07	1.436e+04	-
1055.83												
						18.0	-2773.30	-240.44	544.42	-0.07	1.926e+04	-
3219.78												
54	81	1108.12	1.926e+04	2.83e-04	0.0	0.0	-2784.33	-240.44	544.42	-0.07	9458.38	
1108.12												
		-3219.78	9458.38	9.27e-04	0.0	9.0	-2778.82	-240.44	544.42	-0.07	1.436e+04	-
1055.83												
						18.0	-2773.30	-240.44	544.42	-0.07	1.926e+04	-
3219.78												
54	82	1108.12	1.926e+04	2.83e-04	0.0	0.0	-2784.33	-240.44	544.42	-0.07	9458.38	
1108.12												
		-3219.78	9458.38	9.27e-04	0.0	9.0	-2778.82	-240.44	544.42	-0.07	1.436e+04	-
1055.83												
						18.0	-2773.30	-240.44	544.42	-0.07	1.926e+04	-
3219.78												
55	1	3651.83	1081.40	2.42e-04	0.0	0.0	-3919.44	30.38	7.91	0.26	772.99	
2466.91												
		2466.91	772.99	3.91e-04	0.0	19.5	-3903.90	30.38	7.91	0.26	927.19	
3059.37												
						39.0	-3888.36	30.38	7.91	0.26	1081.40	
3651.83												
55	2	2809.10	831.85	1.86e-04	0.0	0.0	-3014.96	23.37	6.08	0.20	594.61	
1897.63												
		1897.63	594.61	3.01e-04	0.0	19.5	-3003.00	23.37	6.08	0.20	713.23	
2353.36												
						39.0	-2991.05	23.37	6.08	0.20	831.85	
2809.10												
55	11	2809.10	831.85	1.86e-04	0.0	0.0	-3014.96	23.37	6.08	0.20	594.61	
1897.63												
		1897.63	594.61	3.01e-04	0.0	19.5	-3003.00	23.37	6.08	0.20	713.23	
2353.36												
						39.0	-2991.05	23.37	6.08	0.20	831.85	
2809.10												
55	29	6809.32	150.42	-3.44e-04	0.0	0.0	-3023.22	60.64	-3.03	1.75	150.42	
4444.21												
		4444.21	32.30	6.72e-04	0.0	19.5	-3011.27	60.64	-3.03	1.75	91.36	
5626.77												
						39.0	-2999.31	60.64	-3.03	1.75	32.30	
6809.32												
55	30	-648.96	1631.39	7.16e-04	0.0	0.0	-3006.69	-13.90	15.20	-1.35	1038.79	-
648.96												
		-1191.12	1038.79	-1.01e-04	0.0	19.5	-2994.74	-13.90	15.20	-1.35	1335.09	-
920.04												
						39.0	-2982.78	-13.90	15.20	-1.35	1631.39	-
1191.12												
55	36	4615.23	3963.21	-7.05e-05	0.0	0.0	-2967.83	40.03	41.84	7.77	2331.60	
3054.09												
		3054.09	2331.60	-1.17e-03	0.0	19.5	-2955.87	40.03	41.84	7.77	3147.41	
3834.66												
						39.0	-2943.92	40.03	41.84	7.77	3963.21	
4615.23												
55	37	3279.94	-1192.16	8.29e-05	0.0	0.0	-3061.04	27.97	-30.66	-7.82	-1192.16	
2189.28												
		2189.28	-2387.82	1.80e-03	0.0	19.5	-3049.09	27.97	-30.66	-7.82	-1789.99	
2734.61												
						39.0	-3037.13	27.97	-30.66	-7.82	-2387.82	
3279.94												
55	38	2338.25	4051.51	2.90e-04	0.0	0.0	-2968.88	18.78	42.82	8.22	2381.37	
1605.97												
		1605.97	2381.37	-1.20e-03	0.0	19.5	-2956.92	18.78	42.82	8.22	3216.44	
1972.11												
						39.0	-2944.96	18.78	42.82	8.22	4051.51	
2338.25												
55	39	1002.97	-1142.39	3.92e-04	0.0	0.0	-3062.09	6.71	-29.67	-7.37	-1142.39	
741.17												
		741.17	-2299.52	1.77e-03	0.0	19.5	-3050.13	6.71	-29.67	-7.37	-1720.95	
872.07												
						39.0	-3038.18	6.71	-29.67	-7.37	-2299.52	
1002.97												
55	61	5149.10	323.12	-1.45e-04	0.0	0.0	-3020.44	45.17	0.28	1.24	312.14	
3387.47												

4268.29		3387.47	312.14	5.38e-04	0.0	19.5	-3008.48	45.17	0.28	1.24	317.63
						39.0	-2996.53	45.17	0.28	1.24	323.12
5149.10											
55	62	469.10	1340.57	4.95e-04	0.0	0.0	-3009.48	1.57	11.88	-0.84	877.07
407.78											
		407.78	877.07	6.41e-05	0.0	19.5	-2997.52	1.57	11.88	-0.84	1108.82
438.44											
						39.0	-2985.57	1.57	11.88	-0.84	1340.57
469.10											
55	68	3903.60	2907.95	6.33e-05	0.0	0.0	-2983.80	33.46	29.79	5.07	1746.27
2598.71											
		2598.71	1746.27	-6.71e-04	0.0	19.5	-2971.84	33.46	29.79	5.07	2327.11
3251.16											
						39.0	-2959.89	33.46	29.79	5.07	2907.95
3903.60											
55	69	3038.06	-585.90	1.30e-04	0.0	0.0	-3045.50	25.64	-18.19	-4.95	-585.90
2038.23											
		2038.23	-1295.47	1.29e-03	0.0	19.5	-3033.54	25.64	-18.19	-4.95	-940.68
2538.15											
						39.0	-3021.59	25.64	-18.19	-4.95	-1295.47
3038.06											
55	70	2580.13	2959.16	2.43e-04	0.0	0.0	-2984.42	21.11	30.36	5.35	1775.11
1757.02											
		1757.02	1775.11	-6.93e-04	0.0	19.5	-2972.46	21.11	30.36	5.35	2367.13
2168.58											
						39.0	-2960.51	21.11	30.36	5.35	2959.16
2580.13											
55	71	1714.60	-557.06	3.09e-04	0.0	0.0	-3046.12	13.28	-17.62	-4.67	-557.06
1196.54											
		1196.54	-1244.26	1.27e-03	0.0	19.5	-3034.16	13.28	-17.62	-4.67	-900.66
1455.57											
						39.0	-3022.21	13.28	-17.62	-4.67	-1244.26
1714.60											
55	80	2809.10	831.85	1.86e-04	0.0	0.0	-3014.96	23.37	6.08	0.20	594.61
1897.63											
		1897.63	594.61	3.01e-04	0.0	19.5	-3003.00	23.37	6.08	0.20	713.23
2353.36											
						39.0	-2991.05	23.37	6.08	0.20	831.85
2809.10											
55	81	2809.10	831.85	1.86e-04	0.0	0.0	-3014.96	23.37	6.08	0.20	594.61
1897.63											
		1897.63	594.61	3.01e-04	0.0	19.5	-3003.00	23.37	6.08	0.20	713.23
2353.36											
						39.0	-2991.05	23.37	6.08	0.20	831.85
2809.10											
55	82	2809.10	831.85	1.86e-04	0.0	0.0	-3014.96	23.37	6.08	0.20	594.61
1897.63											
		1897.63	594.61	3.01e-04	0.0	19.5	-3003.00	23.37	6.08	0.20	713.23
2353.36											
						39.0	-2991.05	23.37	6.08	0.20	831.85
2809.10											
56	1	3523.98	3804.76	7.76e-04	0.0	0.0	-3888.99	-48.29	-348.89	-0.27	3804.76
3523.98											
		1302.59	-1.224e+04	4.73e-04	0.0	23.0	-3870.66	-48.29	-348.89	-0.27	-4219.72
2413.28											
						46.0	-3852.33	-48.29	-348.89	-0.27	-1.224e+04
1302.59											
56	2	2710.75	2926.74	5.97e-04	0.0	0.0	-2991.53	-37.15	-268.38	-0.21	2926.74
2710.75											
		1001.99	-9418.61	3.64e-04	0.0	23.0	-2977.43	-37.15	-268.38	-0.21	-3245.94
1856.37											
						46.0	-2963.33	-37.15	-268.38	-0.21	-9418.61
1001.99											
56	11	2710.75	2926.74	5.97e-04	0.0	0.0	-2991.53	-37.15	-268.38	-0.21	2926.74
2710.75											
		1001.99	-9418.61	3.64e-04	0.0	23.0	-2977.43	-37.15	-268.38	-0.21	-3245.94
1856.37											
						46.0	-2963.33	-37.15	-268.38	-0.21	-9418.61
1001.99											
56	29	6132.18	2260.45	4.46e-04	0.0	0.0	-2992.78	-105.12	-254.68	-0.39	2260.45
6132.18											
		1296.73	-9454.68	5.12e-04	0.0	23.0	-2978.68	-105.12	-254.68	-0.39	-3597.12
3714.46											
						46.0	-2964.58	-105.12	-254.68	-0.39	-9454.68
1296.73											

56	30	707.25	3593.03	7.48e-04	0.0	0.0	-2990.29	30.83	-282.08	-0.03	3593.03	-
710.67		-710.67	-9382.54	2.27e-04	0.0	23.0	-2976.19	30.83	-282.08	-0.03	-2894.75	-
1.71						46.0	-2962.09	30.83	-282.08	-0.03	-9382.54	
707.25	36	4258.18	5541.72	5.69e-04	0.0	0.0	-2962.56	-67.91	-322.10	-0.39	5541.72	
56		1134.28	-9274.83	-4.94e-04	0.0	23.0	-2948.46	-67.91	-322.10	-0.39	-1866.56	
4258.18						46.0	-2934.36	-67.91	-322.10	-0.39	-9274.83	
2696.23	37	3110.32	239.19	5.31e-04	0.0	0.0	-3017.78	-45.06	-213.15	-0.16	239.19	
1134.28		1037.59	-9565.92	9.87e-04	0.0	23.0	-3003.68	-45.06	-213.15	-0.16	-4663.37	
56						46.0	-2989.58	-45.06	-213.15	-0.16	-9565.92	
3110.32	38	2311.19	5614.29	6.63e-04	0.0	0.0	-2965.29	-29.24	-323.60	-0.26	5614.29	
2073.95		966.39	-9271.31	-5.09e-04	0.0	23.0	-2951.19	-29.24	-323.60	-0.26	-1828.51	
1037.59						46.0	-2937.09	-29.24	-323.60	-0.26	-9271.31	
56	39	1163.33	311.76	6.25e-04	0.0	0.0	-3020.51	-6.38	-214.66	-0.03	311.76	
2311.19		869.70	-9562.39	9.73e-04	0.0	23.0	-3006.41	-6.38	-214.66	-0.03	-4625.32	
1638.79						46.0	-2992.31	-6.38	-214.66	-0.03	-9562.39	
966.39	61	4712.26	2502.57	5.10e-04	0.0	0.0	-2992.64	-76.91	-259.66	-0.31	2502.57	
56		1174.38	-9441.66	4.59e-04	0.0	23.0	-2978.54	-76.91	-259.66	-0.31	-3469.55	
1163.33						46.0	-2964.44	-76.91	-259.66	-0.31	-9441.66	
1016.51	62	829.60	3350.92	6.84e-04	0.0	0.0	-2990.43	2.62	-277.10	-0.11	3350.92	
869.70		709.25	-9395.56	2.74e-04	0.0	23.0	-2976.32	2.62	-277.10	-0.11	-3022.32	
56						46.0	-2962.22	2.62	-277.10	-0.11	-9395.56	
4712.26	68	3648.61	4660.44	5.82e-04	0.0	0.0	-2972.47	-55.79	-303.99	-0.32	4660.44	
2943.32		1082.20	-9323.30	-2.54e-04	0.0	23.0	-2958.37	-55.79	-303.99	-0.32	-2331.43	
1174.38						46.0	-2944.27	-55.79	-303.99	-0.32	-9323.30	
56	69	2904.57	1150.91	5.57e-04	0.0	0.0	-3009.01	-40.98	-231.89	-0.17	1150.91	
709.25		1019.36	-9515.98	7.62e-04	0.0	23.0	-2994.91	-40.98	-231.89	-0.17	-4182.54	
769.42						46.0	-2980.81	-40.98	-231.89	-0.17	-9515.98	
829.60	70	2516.94	4702.58	6.37e-04	0.0	0.0	-2974.06	-33.31	-304.87	-0.25	4702.58	
56		984.62	-9321.24	-2.63e-04	0.0	23.0	-2959.96	-33.31	-304.87	-0.25	-2309.33	
3648.61						46.0	-2945.86	-33.31	-304.87	-0.25	-9321.24	
2365.40	71	1772.90	1193.04	6.12e-04	0.0	0.0	-3010.60	-18.50	-232.76	-0.10	1193.04	
1082.20		921.78	-9513.92	7.54e-04	0.0	23.0	-2996.49	-18.50	-232.76	-0.10	-4160.44	
56						46.0	-2982.39	-18.50	-232.76	-0.10	-9513.92	
2904.57	80	2710.75	2926.74	5.97e-04	0.0	0.0	-2991.53	-37.15	-268.38	-0.21	2926.74	
1961.97		1001.99	-9418.61	3.64e-04	0.0	23.0	-2977.43	-37.15	-268.38	-0.21	-3245.94	
1019.36						46.0	-2963.33	-37.15	-268.38	-0.21	-9418.61	
56	81	2710.75	2926.74	5.97e-04	0.0	0.0	-2991.53	-37.15	-268.38	-0.21	2926.74	
2516.94		1001.99	-9418.61	3.64e-04	0.0	23.0	-2977.43	-37.15	-268.38	-0.21	-3245.94	
1750.78												
984.62												
1772.90												
1347.34												
921.78												
56												
2710.75												
1856.37												
1001.99												
56												
2710.75												
1856.37												

1001.99						46.0	-2963.33	-37.15	-268.38	-0.21	-9418.61	
56	82	2710.75	2926.74	5.97e-04	0.0	0.0	-2991.53	-37.15	-268.38	-0.21	2926.74	
2710.75		1001.99	-9418.61	3.64e-04	0.0	23.0	-2977.43	-37.15	-268.38	-0.21	-3245.94	
1856.37						46.0	-2963.33	-37.15	-268.38	-0.21	-9418.61	
1001.99												
57	1	1440.56	-1.230e+04	3.69e-04	0.0	0.0	-3619.89	-312.57	-708.09	0.10	-1.230e+04	
1440.56		-4185.73	-2.505e+04	-1.21e-03	0.0	9.0	-3612.72	-312.57	-708.09	0.10	-1.867e+04	-
1372.58												
4185.73						18.0	-3605.55	-312.57	-708.09	0.10	-2.505e+04	-
57	2	1108.13	-9463.01	2.83e-04	0.0	0.0	-2784.53	-240.44	-544.68	0.07	-9463.01	
1108.13		-3219.79	-1.927e+04	-9.28e-04	0.0	9.0	-2779.01	-240.44	-544.68	0.07	-1.437e+04	-
1055.83												
3219.79						18.0	-2773.50	-240.44	-544.68	0.07	-1.927e+04	-
57	11	1108.13	-9463.01	2.83e-04	0.0	0.0	-2784.53	-240.44	-544.68	0.07	-9463.01	
1108.13		-3219.79	-1.927e+04	-9.28e-04	0.0	9.0	-2779.01	-240.44	-544.68	0.07	-1.437e+04	-
1055.83												
3219.79						18.0	-2773.50	-240.44	-544.68	0.07	-1.927e+04	-
57	27	1143.94	-9433.18	2.94e-04	0.0	0.0	-2786.89	-279.84	-550.03	-0.19	-9433.18	
1143.94		-3893.55	-1.933e+04	-8.78e-04	0.0	9.0	-2781.38	-279.84	-550.03	-0.19	-1.438e+04	-
1374.80												
3893.55						18.0	-2775.86	-279.84	-550.03	-0.19	-1.933e+04	-
57	30	1144.26	-9489.31	2.94e-04	0.0	0.0	-2784.36	-279.81	-539.93	-0.20	-9489.31	
1144.26		-3892.85	-1.921e+04	-9.73e-04	0.0	9.0	-2778.85	-279.81	-539.93	-0.20	-1.435e+04	-
1374.29												
3892.85						18.0	-2773.33	-279.81	-539.93	-0.20	-1.921e+04	-
57	36	1079.17	-9571.23	2.95e-04	0.0	0.0	-2779.54	-219.77	-525.16	0.64	-9571.23	
1079.17		-2876.00	-1.902e+04	-1.11e-03	0.0	9.0	-2774.02	-219.77	-525.16	0.64	-1.430e+04	-
898.42												
2876.00						18.0	-2768.50	-219.77	-525.16	0.64	-1.902e+04	-
57	37	1119.20	-9353.06	2.63e-04	0.0	0.0	-2788.96	-239.22	-564.53	-0.43	-9353.06	
1119.20		-3187.35	-1.951e+04	-7.42e-04	0.0	9.0	-2783.44	-239.22	-564.53	-0.43	-1.443e+04	-
1034.08												
3187.35						18.0	-2777.92	-239.22	-564.53	-0.43	-1.951e+04	-
57	39	1137.09	-9354.80	2.72e-04	0.0	0.0	-2789.53	-261.11	-564.20	-0.49	-9354.80	
1137.09		-3563.58	-1.951e+04	-7.45e-04	0.0	9.0	-2784.01	-261.11	-564.20	-0.49	-1.443e+04	-
1213.25												
3563.58						18.0	-2778.49	-261.11	-564.20	-0.49	-1.951e+04	-
57	62	1129.48	-9480.02	2.89e-04	0.0	0.0	-2784.35	-263.52	-541.61	-0.10	-9480.02	
1129.48		-3614.26	-1.923e+04	-9.57e-04	0.0	9.0	-2778.84	-263.52	-541.61	-0.10	-1.435e+04	-
1242.39												
3614.26						18.0	-2773.32	-263.52	-541.61	-0.10	-1.923e+04	-
57	68	1090.42	-9534.71	2.91e-04	0.0	0.0	-2781.25	-227.88	-531.75	0.44	-9534.71	
1090.42		-3010.95	-1.911e+04	-1.05e-03	0.0	9.0	-2775.73	-227.88	-531.75	0.44	-1.432e+04	-
960.27												
3010.95						18.0	-2770.21	-227.88	-531.75	0.44	-1.911e+04	-
57	69	1115.44	-9390.27	2.71e-04	0.0	0.0	-2787.49	-240.28	-557.81	-0.25	-9390.27	
1115.44		-3209.94	-1.943e+04	-8.05e-04	0.0	9.0	-2781.97	-240.28	-557.81	-0.25	-1.441e+04	-
1047.25												
3209.94						18.0	-2776.45	-240.28	-557.81	-0.25	-1.943e+04	-
57	71	1125.83	-9391.32	2.76e-04	0.0	0.0	-2787.82	-253.00	-557.61	-0.29	-9391.32	
1125.83												

1151.40			-3428.63	-1.943e+04	-8.07e-04	0.0	9.0	-2782.30	-253.00	-557.61	-0.29	-1.441e+04	-
							18.0	-2776.78	-253.00	-557.61	-0.29	-1.943e+04	-
3428.63	80	1108.13	-9463.01	2.83e-04	0.0	0.0	0.0	-2784.53	-240.44	-544.68	0.07	-9463.01	
57													
1108.13													
1055.83													
3219.79													
57	81	1108.13	-9463.01	2.83e-04	0.0	0.0	0.0	-2784.53	-240.44	-544.68	0.07	-9463.01	
1108.13													
1055.83													
3219.79													
57	82	1108.13	-9463.01	2.83e-04	0.0	0.0	0.0	-2784.53	-240.44	-544.68	0.07	-9463.01	
1108.13													
1055.83													
3219.79													
58	1	3651.83	-772.99	2.42e-04	0.0	0.0	0.0	-3919.44	30.38	-7.91	-0.26	-772.99	
2466.91													
3059.37													
3651.83													
58	2	2809.10	-594.61	1.86e-04	0.0	0.0	0.0	-3014.96	23.37	-6.08	-0.20	-594.61	
1897.63													
2353.36													
2809.10													
58	11	2809.10	-594.61	1.86e-04	0.0	0.0	0.0	-3014.96	23.37	-6.08	-0.20	-594.61	
1897.63													
2353.36													
2809.10													
58	28	7248.38	-316.01	-4.07e-04	0.0	0.0	0.0	-3023.63	64.76	-0.26	-3.33	-316.01	
4722.63													
5985.51													
7248.38													
58	31	-927.38	-873.20	7.80e-04	0.0	0.0	0.0	-3006.29	-18.02	-11.91	2.93	-873.20	-
927.38													
1278.78													
1630.19													
58	37	4746.99	-2381.28	-8.36e-05	0.0	0.0	0.0	-2967.94	41.27	-42.82	-8.24	-2381.28	
3137.64													
3942.31													
4746.99													
58	38	871.21	2387.68	4.11e-04	0.0	0.0	0.0	-3061.98	5.48	30.66	7.84	1192.07	
657.61													
764.41													
871.21													
58	60	5406.70	-408.09	-1.75e-04	0.0	0.0	0.0	-3020.66	47.59	-2.19	-2.22	-408.09	
3550.84													
4478.77													
5406.70													
58	63	244.41	-781.12	5.33e-04	0.0	0.0	0.0	-3009.25	-0.84	-9.97	1.82	-781.12	
244.41													
227.96													
211.50													

58	69	3980.92	-1775.05	5.21e-05	0.0	0.0	-2983.86	34.18	-30.36	-5.36	-1775.05
2647.75		2647.75	-2959.08	6.93e-04	0.0	19.5	-2971.90	34.18	-30.36	-5.36	-2367.07
3314.33						39.0	-2959.95	34.18	-30.36	-5.36	-2959.08
3980.92	70	1637.28	1295.39	3.21e-04	0.0	0.0	-3046.06	12.56	18.19	4.96	585.84
58		1147.50	585.84	-1.29e-03	0.0	19.5	-3034.10	12.56	18.19	4.96	940.62
1147.50						39.0	-3022.15	12.56	18.19	4.96	1295.39
1392.39	80	2809.10	-594.61	1.86e-04	0.0	0.0	-3014.96	23.37	-6.08	-0.20	-594.61
1637.28		1897.63	-831.85	-3.01e-04	0.0	19.5	-3003.00	23.37	-6.08	-0.20	-713.23
58						39.0	-2991.05	23.37	-6.08	-0.20	-831.85
1897.63	81	2809.10	-594.61	1.86e-04	0.0	0.0	-3014.96	23.37	-6.08	-0.20	-594.61
2353.36		1897.63	-831.85	-3.01e-04	0.0	19.5	-3003.00	23.37	-6.08	-0.20	-713.23
2809.10						39.0	-2991.05	23.37	-6.08	-0.20	-831.85
58	82	2809.10	-594.61	1.86e-04	0.0	0.0	-3014.96	23.37	-6.08	-0.20	-594.61
1897.63		1897.63	-831.85	-3.01e-04	0.0	19.5	-3003.00	23.37	-6.08	-0.20	-713.23
2353.36						39.0	-2991.05	23.37	-6.08	-0.20	-831.85
2809.10	1	3523.98	1.224e+04	7.76e-04	0.0	0.0	-3888.99	-48.29	348.89	0.27	-3804.76
59		1302.59	-3804.76	-4.73e-04	0.0	23.0	-3870.66	-48.29	348.89	0.27	4219.72
3523.98						46.0	-3852.33	-48.29	348.89	0.27	1.224e+04
2413.28	2	2710.75	9418.61	5.97e-04	0.0	0.0	-2991.53	-37.15	268.38	0.21	-2926.74
1302.59		1001.99	-2926.74	-3.64e-04	0.0	23.0	-2977.43	-37.15	268.38	0.21	3245.94
59						46.0	-2963.33	-37.15	268.38	0.21	9418.61
2710.75	11	2710.75	9418.61	5.97e-04	0.0	0.0	-2991.53	-37.15	268.38	0.21	-2926.74
1856.37		1001.99	-2926.74	-3.64e-04	0.0	23.0	-2977.43	-37.15	268.38	0.21	3245.94
1001.99						46.0	-2963.33	-37.15	268.38	0.21	9418.61
59	28	6502.11	9442.71	4.22e-04	0.0	0.0	-2994.03	-112.45	259.67	0.39	-2502.12
2710.75		1329.48	-2502.12	-4.67e-04	0.0	23.0	-2979.93	-112.45	259.67	0.39	3470.29
1856.37						46.0	-2965.83	-112.45	259.67	0.39	9442.71
1001.99	31	674.50	9394.52	7.72e-04	0.0	0.0	-2989.03	38.15	277.08	0.03	-3351.36
59		-1080.60	-3351.36	-2.66e-04	0.0	23.0	-2974.93	38.15	277.08	0.03	3021.58
6502.11						46.0	-2960.83	38.15	277.08	0.03	9394.52
3915.80	33	4046.09	9274.62	5.78e-04	0.0	0.0	-2962.83	-63.70	322.17	0.38	-5545.23
1329.48		1116.00	-5545.23	4.95e-04	0.0	23.0	-2948.73	-63.70	322.17	0.38	1864.69
59						46.0	-2934.63	-63.70	322.17	0.38	9274.62
1080.60	34	1375.42	9562.61	6.16e-04	0.0	0.0	-3020.24	-10.60	214.58	0.04	-308.25
203.05		887.98	-308.25	-9.74e-04	0.0	23.0	-3006.14	-10.60	214.58	0.04	4627.18
674.50						46.0	-2992.04	-10.60	214.58	0.04	9562.61
59	37	4369.19	9271.24	5.62e-04	0.0	0.0	-2962.92	-70.11	323.60	0.39	-5614.22
4046.09		1144.10	-5614.22	5.09e-04	0.0	23.0	-2948.82	-70.11	323.60	0.39	1828.51
2581.04											
1116.00											
59											
1375.42											
1131.70											
887.98											
59											
4369.19											
2756.65											

						46.0	-2934.72	-70.11	323.60	0.39	9271.24	
1144.10												
59	38	1052.32	9565.99	6.32e-04	0.0	0.0	-3020.14	-4.18	213.16	0.03	-239.26	
1052.32												
		859.88	-239.26	-9.87e-04	0.0	23.0	-3006.04	-4.18	213.16	0.03	4663.36	
956.10												
						46.0	-2991.94	-4.18	213.16	0.03	9565.99	
859.88												
59	60	4929.32	9434.66	4.96e-04	0.0	0.0	-2993.36	-81.21	262.56	0.31	-2642.87	
4929.32												
		1193.59	-2642.87	-4.33e-04	0.0	23.0	-2979.26	-81.21	262.56	0.31	3395.90	
3061.45												
						46.0	-2965.16	-81.21	262.56	0.31	9434.66	
1193.59												
59	63	810.39	9402.56	6.98e-04	0.0	0.0	-2989.71	6.92	274.20	0.11	-3210.61	
492.19												
		492.19	-3210.61	-2.97e-04	0.0	23.0	-2975.61	6.92	274.20	0.11	3095.98	
651.29												
						46.0	-2961.51	6.92	274.20	0.11	9402.56	
810.39												
59	65	3509.91	9323.16	5.88e-04	0.0	0.0	-2972.65	-53.04	304.04	0.31	-4662.86	
3509.91												
		1070.25	-4662.86	2.55e-04	0.0	23.0	-2958.55	-53.04	304.04	0.31	2330.15	
2290.08												
						46.0	-2944.45	-53.04	304.04	0.31	9323.16	
1070.25												
59	66	1911.60	9514.07	6.06e-04	0.0	0.0	-3010.42	-21.26	232.71	0.11	-1190.63	
1911.60												
		933.73	-1190.63	-7.55e-04	0.0	23.0	-2996.32	-21.26	232.71	0.11	4161.72	
1422.67												
						46.0	-2982.22	-21.26	232.71	0.11	9514.07	
933.73												
59	69	3713.75	9321.20	5.78e-04	0.0	0.0	-2972.68	-57.08	304.86	0.32	-4702.53	
3713.75												
		1087.96	-4702.53	2.63e-04	0.0	23.0	-2958.58	-57.08	304.86	0.32	2309.33	
2400.86												
						46.0	-2944.48	-57.08	304.86	0.32	9321.20	
1087.96												
59	70	1707.76	9516.02	6.16e-04	0.0	0.0	-3010.39	-17.21	231.89	0.10	-1150.95	
1707.76												
		916.02	-1150.95	-7.62e-04	0.0	23.0	-2996.29	-17.21	231.89	0.10	4182.54	
1311.89												
						46.0	-2982.19	-17.21	231.89	0.10	9516.02	
916.02												
59	80	2710.75	9418.61	5.97e-04	0.0	0.0	-2991.53	-37.15	268.38	0.21	-2926.74	
2710.75												
		1001.99	-2926.74	-3.64e-04	0.0	23.0	-2977.43	-37.15	268.38	0.21	3245.94	
1856.37												
						46.0	-2963.33	-37.15	268.38	0.21	9418.61	
1001.99												
59	81	2710.75	9418.61	5.97e-04	0.0	0.0	-2991.53	-37.15	268.38	0.21	-2926.74	
2710.75												
		1001.99	-2926.74	-3.64e-04	0.0	23.0	-2977.43	-37.15	268.38	0.21	3245.94	
1856.37												
						46.0	-2963.33	-37.15	268.38	0.21	9418.61	
1001.99												
59	82	2710.75	9418.61	5.97e-04	0.0	0.0	-2991.53	-37.15	268.38	0.21	-2926.74	
2710.75												
		1001.99	-2926.74	-3.64e-04	0.0	23.0	-2977.43	-37.15	268.38	0.21	3245.94	
1856.37												
						46.0	-2963.33	-37.15	268.38	0.21	9418.61	
1001.99												
60	1	1440.56	2.505e+04	3.69e-04	0.0	0.0	-3619.89	-312.57	708.09	-0.10	1.230e+04	
1440.56												
		-4185.73	1.230e+04	1.21e-03	0.0	9.0	-3612.72	-312.57	708.09	-0.10	1.867e+04	-
1372.58												
						18.0	-3605.55	-312.57	708.09	-0.10	2.505e+04	-
4185.73												
60	2	1108.13	1.927e+04	2.83e-04	0.0	0.0	-2784.53	-240.44	544.68	-0.07	9463.01	
1108.13												
		-3219.79	9463.01	9.28e-04	0.0	9.0	-2779.01	-240.44	544.68	-0.07	1.437e+04	-
1055.83												
						18.0	-2773.50	-240.44	544.68	-0.07	1.927e+04	-
3219.79												
60	11	1108.13	1.927e+04	2.83e-04	0.0	0.0	-2784.53	-240.44	544.68	-0.07	9463.01	
1108.13												

1055.83			-3219.79	9463.01	9.28e-04	0.0	9.0	-2779.01	-240.44	544.68	-0.07	1.437e+04	-
							18.0	-2773.50	-240.44	544.68	-0.07	1.927e+04	-
3219.79	23		1140.21	1.921e+04	2.91e-04	0.0	0.0	-2783.94	-272.38	540.11	0.17	9488.21	
60													
1140.21			-3763.09	9488.21	9.72e-04	0.0	9.0	-2778.42	-272.38	540.11	0.17	1.435e+04	-
1311.44							18.0	-2772.90	-272.38	540.11	0.17	1.921e+04	-
3763.09	26		1128.78	1.935e+04	2.98e-04	0.0	0.0	-2786.93	-279.89	551.17	0.16	9427.34	
60													
1128.78			-3909.74	9427.34	8.66e-04	0.0	9.0	-2781.41	-279.89	551.17	0.16	1.439e+04	-
1390.48							18.0	-2775.90	-279.89	551.17	0.16	1.935e+04	-
3909.74	37		1083.71	1.902e+04	2.93e-04	0.0	0.0	-2779.52	-219.75	524.82	-0.63	9572.98	
60													
1083.71			-2871.09	9572.98	1.11e-03	0.0	9.0	-2774.00	-219.75	524.82	-0.63	1.430e+04	-
893.69							18.0	-2768.48	-219.75	524.82	-0.63	1.902e+04	-
2871.09	38		1132.55	1.951e+04	2.74e-04	0.0	0.0	-2789.55	-261.13	564.54	0.48	9353.05	
60													
1132.55			-3568.49	9353.05	7.42e-04	0.0	9.0	-2784.03	-261.13	564.54	0.48	1.443e+04	-
1217.97							18.0	-2778.51	-261.13	564.54	0.48	1.951e+04	-
3568.49	55		1126.61	1.923e+04	2.87e-04	0.0	0.0	-2784.10	-258.62	541.73	0.08	9479.35	
60													
1126.61			-3528.75	9479.35	9.56e-04	0.0	9.0	-2778.58	-258.62	541.73	0.08	1.435e+04	-
1201.07							18.0	-2773.06	-258.62	541.73	0.08	1.923e+04	-
3528.75	63		1120.68	1.924e+04	2.91e-04	0.0	0.0	-2784.38	-263.58	542.30	0.08	9476.50	
60													
1120.68			-3624.06	9476.50	9.50e-04	0.0	9.0	-2778.86	-263.58	542.30	0.08	1.436e+04	-
1251.69							18.0	-2773.34	-263.58	542.30	0.08	1.924e+04	-
3624.06	69		1093.06	1.910e+04	2.90e-04	0.0	0.0	-2781.24	-227.86	531.54	-0.43	9535.77	
60													
1093.06			-3007.98	9535.77	1.05e-03	0.0	9.0	-2775.72	-227.86	531.54	-0.43	1.432e+04	-
957.46							18.0	-2770.20	-227.86	531.54	-0.43	1.910e+04	-
3007.98	70		1123.19	1.943e+04	2.77e-04	0.0	0.0	-2787.83	-253.02	557.82	0.28	9390.26	
60													
1123.19			-3431.60	9390.26	8.05e-04	0.0	9.0	-2782.31	-253.02	557.82	0.28	1.441e+04	-
1154.21							18.0	-2776.79	-253.02	557.82	0.28	1.943e+04	-
3431.60	80		1108.13	1.927e+04	2.83e-04	0.0	0.0	-2784.53	-240.44	544.68	-0.07	9463.01	
60													
1108.13			-3219.79	9463.01	9.28e-04	0.0	9.0	-2779.01	-240.44	544.68	-0.07	1.437e+04	-
1055.83							18.0	-2773.50	-240.44	544.68	-0.07	1.927e+04	-
3219.79	81		1108.13	1.927e+04	2.83e-04	0.0	0.0	-2784.53	-240.44	544.68	-0.07	9463.01	
60													
1108.13			-3219.79	9463.01	9.28e-04	0.0	9.0	-2779.01	-240.44	544.68	-0.07	1.437e+04	-
1055.83							18.0	-2773.50	-240.44	544.68	-0.07	1.927e+04	-
3219.79	82		1108.13	1.927e+04	2.83e-04	0.0	0.0	-2784.53	-240.44	544.68	-0.07	9463.01	
60													
1108.13			-3219.79	9463.01	9.28e-04	0.0	9.0	-2779.01	-240.44	544.68	-0.07	1.437e+04	-
1055.83							18.0	-2773.50	-240.44	544.68	-0.07	1.927e+04	-
3219.79	1		1.256e+04	1090.75	8.82e-04	0.0	0.0	-3642.10	104.29	7.99	1.13	779.10	
61													
8497.30			8497.30	779.10	3.92e-04	0.0	19.5	-3626.56	104.29	7.99	1.13	934.93	
1.053e+04							39.0	-3611.02	104.29	7.99	1.13	1090.75	
1.256e+04													

61	2	9665.02	839.04	6.79e-04	0.0	0.0	-2801.62	80.22	6.15	0.87	599.30
6536.38		6536.38	599.30	3.01e-04	0.0	19.5	-2789.66	80.22	6.15	0.87	719.17
8100.70						39.0	-2777.71	80.22	6.15	0.87	839.04
9665.02	11	9665.02	839.04	6.79e-04	0.0	0.0	-2801.62	80.22	6.15	0.87	599.30
61		6536.38	599.30	3.01e-04	0.0	19.5	-2789.66	80.22	6.15	0.87	719.17
6536.38						39.0	-2777.71	80.22	6.15	0.87	839.04
8100.70											
9665.02	21	1.382e+04	503.04	-1.49e-04	0.0	0.0	-2818.58	119.26	2.27	4.30	414.44
61		9170.48	414.44	4.67e-04	0.0	19.5	-2806.63	119.26	2.27	4.30	458.74
9170.48						39.0	-2794.67	119.26	2.27	4.30	503.04
1.150e+04											
1.382e+04	22	5508.56	1175.04	1.29e-03	0.0	0.0	-2784.65	41.19	10.02	-2.56	784.17
61		3902.29	784.17	1.36e-04	0.0	19.5	-2772.70	41.19	10.02	-2.56	979.61
3902.29						39.0	-2760.74	41.19	10.02	-2.56	1175.04
4705.42											
5508.56	32	1.144e+04	4383.20	4.45e-04	0.0	0.0	-2753.93	96.77	46.55	-4.49	2567.60
61		7668.16	2567.60	-1.35e-03	0.0	19.5	-2741.98	96.77	46.55	-4.49	3475.40
7668.16						39.0	-2730.02	96.77	46.55	-4.49	4383.20
9555.15											
1.144e+04	33	1.027e+04	-1308.77	5.56e-04	0.0	0.0	-2854.55	86.08	-33.04	7.13	-1308.77
61		6912.75	-2597.19	1.90e-03	0.0	19.5	-2842.60	86.08	-33.04	7.13	-1952.98
6912.75						39.0	-2830.64	86.08	-33.04	7.13	-2597.19
8591.29											
1.027e+04	34	9060.22	4275.27	8.02e-04	0.0	0.0	-2748.68	74.36	45.33	-5.39	2507.38
61		6160.01	2507.38	-1.30e-03	0.0	19.5	-2736.72	74.36	45.33	-5.39	3391.33
6160.01						39.0	-2724.77	74.36	45.33	-5.39	4275.27
7610.12											
9060.22	35	7887.91	-1368.99	9.13e-04	0.0	0.0	-2849.30	63.67	-34.26	6.24	-1368.99
61		5404.60	-2705.12	1.95e-03	0.0	19.5	-2837.34	63.67	-34.26	6.24	-2037.05
5404.60						39.0	-2825.39	63.67	-34.26	6.24	-2705.12
6646.25											
7887.91	53	1.210e+04	618.36	3.22e-04	0.0	0.0	-2811.96	103.06	3.60	3.01	477.87
61		8077.84	477.87	4.10e-04	0.0	19.5	-2800.01	103.06	3.60	3.01	548.12
8077.84						39.0	-2788.05	103.06	3.60	3.01	618.36
1.009e+04											
1.210e+04	54	7232.98	1059.72	1.04e-03	0.0	0.0	-2791.27	57.39	8.69	-1.27	720.74
61		4994.92	720.74	1.93e-04	0.0	19.5	-2779.31	57.39	8.69	-1.27	890.23
4994.92						39.0	-2767.36	57.39	8.69	-1.27	1059.72
6113.95											
7232.98	64	1.074e+04	3186.41	5.39e-04	0.0	0.0	-2769.78	90.19	32.91	-2.49	1902.93
61		7218.58	1902.93	-7.90e-04	0.0	19.5	-2757.82	90.19	32.91	-2.49	2544.67
7218.58						39.0	-2745.87	90.19	32.91	-2.49	3186.41
8977.25											
1.074e+04	65	9979.92	-668.19	6.11e-04	0.0	0.0	-2836.51	83.29	-19.88	4.75	-668.19
61		6731.63	-1443.54	1.36e-03	0.0	19.5	-2824.55	83.29	-19.88	4.75	-1055.86
6731.63						39.0	-2812.60	83.29	-19.88	4.75	-1443.54
8355.78											
9979.92	66	9350.13	3121.62	7.47e-04	0.0	0.0	-2766.72	77.15	32.18	-3.00	1866.80
61		6341.13	1866.80	-7.61e-04	0.0	19.5	-2754.77	77.15	32.18	-3.00	2494.21
6341.13											
7845.63											

9350.13						39.0	-2742.81	77.15	32.18	-3.00	3121.62
61	67	8594.12	-704.32	8.19e-04	0.0	0.0	-2833.45	70.25	-20.62	4.23	-704.32
5854.19		5854.19	-1508.32	1.39e-03	0.0	19.5	-2821.50	70.25	-20.62	4.23	-1106.32
7224.15						39.0	-2809.54	70.25	-20.62	4.23	-1508.32
8594.12						39.0	-2777.71	80.22	6.15	0.87	839.04
61	80	9665.02	839.04	6.79e-04	0.0	0.0	-2801.62	80.22	6.15	0.87	599.30
6536.38		6536.38	599.30	3.01e-04	0.0	19.5	-2789.66	80.22	6.15	0.87	719.17
8100.70						39.0	-2777.71	80.22	6.15	0.87	839.04
9665.02						39.0	-2777.71	80.22	6.15	0.87	839.04
61	81	9665.02	839.04	6.79e-04	0.0	0.0	-2801.62	80.22	6.15	0.87	599.30
6536.38		6536.38	599.30	3.01e-04	0.0	19.5	-2789.66	80.22	6.15	0.87	719.17
8100.70						39.0	-2777.71	80.22	6.15	0.87	839.04
9665.02						39.0	-2777.71	80.22	6.15	0.87	839.04
61	82	9665.02	839.04	6.79e-04	0.0	0.0	-2801.62	80.22	6.15	0.87	599.30
6536.38		6536.38	599.30	3.01e-04	0.0	19.5	-2789.66	80.22	6.15	0.87	719.17
8100.70						39.0	-2777.71	80.22	6.15	0.87	839.04
9665.02						39.0	-2777.71	80.22	6.15	0.87	839.04
62	1	1.117e+04	3810.47	2.51e-03	0.0	0.0	-3779.15	-267.01	-349.04	-1.19	3810.47
1.117e+04		-1115.87	-1.225e+04	4.76e-04	0.0	23.0	-3760.81	-267.01	-349.04	-1.19	-4217.38
5025.40						46.0	-3742.48	-267.01	-349.04	-1.19	-1.225e+04
1115.87						46.0	-3742.48	-267.01	-349.04	-1.19	-1.225e+04
62	2	8589.75	2931.13	1.93e-03	0.0	0.0	-2907.04	-205.39	-268.49	-0.91	2931.13
8589.75		-858.36	-9419.41	3.66e-04	0.0	23.0	-2892.93	-205.39	-268.49	-0.91	-3244.14
3865.70						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41
858.36						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41
62	11	8589.75	2931.13	1.93e-03	0.0	0.0	-2907.04	-205.39	-268.49	-0.91	2931.13
8589.75		-858.36	-9419.41	3.66e-04	0.0	23.0	-2892.93	-205.39	-268.49	-0.91	-3244.14
3865.70						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41
858.36						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41
62	21	1.216e+04	2648.37	1.70e-03	0.0	0.0	-2910.50	-277.97	-262.70	-1.04	2648.37
1.216e+04		-631.30	-9435.66	4.36e-04	0.0	23.0	-2896.39	-277.97	-262.70	-1.04	-3393.65
5762.06						46.0	-2882.29	-277.97	-262.70	-1.04	-9435.66
631.30						46.0	-2882.29	-277.97	-262.70	-1.04	-9435.66
62	22	5024.08	3213.88	2.16e-03	0.0	0.0	-2903.57	-132.81	-274.28	-0.79	3213.88
5024.08		-1085.43	-9403.16	2.97e-04	0.0	23.0	-2889.47	-132.81	-274.28	-0.79	-3094.64
1969.33						46.0	-2875.37	-132.81	-274.28	-0.79	-9403.16
1085.43						46.0	-2875.37	-132.81	-274.28	-0.79	-9403.16
62	32	1.012e+04	5888.32	1.86e-03	0.0	0.0	-2877.36	-236.43	-329.27	-1.15	5888.32
1.012e+04		-759.08	-9258.20	-5.71e-04	0.0	23.0	-2863.25	-236.43	-329.27	-1.15	-1684.94
4678.79						46.0	-2849.15	-236.43	-329.27	-1.15	-9258.20
759.08						46.0	-2849.15	-236.43	-329.27	-1.15	-9258.20
62	35	7062.85	-26.07	2.00e-03	0.0	0.0	-2936.72	-174.35	-207.71	-0.67	-26.07
7062.85		-957.64	-9580.62	1.05e-03	0.0	23.0	-2922.61	-174.35	-207.71	-0.67	-4803.34
3052.60						46.0	-2908.51	-174.35	-207.71	-0.67	-9580.62
957.64						46.0	-2908.51	-174.35	-207.71	-0.67	-9580.62
62	36	9803.09	5809.45	1.88e-03	0.0	0.0	-2877.29	-230.02	-327.64	-1.16	5809.45
9803.09		-777.76	-9262.14	-5.52e-04	0.0	23.0	-2863.19	-230.02	-327.64	-1.16	-1726.34
4512.66						46.0	-2849.09	-230.02	-327.64	-1.16	-9262.14
777.76						46.0	-2849.09	-230.02	-327.64	-1.16	-9262.14
62	39	7376.42	52.80	1.98e-03	0.0	0.0	-2936.78	-180.77	-209.34	-0.67	52.80
7376.42											

3218.73		-938.96	-9576.68	1.03e-03	0.0	23.0	-2922.68	-180.77	-209.34	-0.67	-4761.94	
						46.0	-2908.58	-180.77	-209.34	-0.67	-9576.68	-
938.96												
62	53	1.068e+04	2745.53	1.79e-03	0.0	0.0	-2909.26	-247.86	-264.69	-0.98	2745.53	
1.068e+04												
4975.37		-725.47	-9430.04	4.12e-04	0.0	23.0	-2895.16	-247.86	-264.69	-0.98	-3342.26	
						46.0	-2881.06	-247.86	-264.69	-0.98	-9430.04	-
725.47												
62	54	6503.30	3116.73	2.06e-03	0.0	0.0	-2904.81	-162.92	-272.29	-0.85	3116.73	
6503.30												
2756.02		-991.26	-9408.78	3.20e-04	0.0	23.0	-2890.71	-162.92	-272.29	-0.85	-3146.03	
						46.0	-2876.61	-162.92	-272.29	-0.85	-9408.78	-
991.26												
62	64	9509.90	4889.78	1.89e-03	0.0	0.0	-2887.36	-224.09	-308.75	-1.07	4889.78	
9509.90												
4355.79		-798.31	-9312.62	-3.05e-04	0.0	23.0	-2873.26	-224.09	-308.75	-1.07	-2211.42	
						46.0	-2859.16	-224.09	-308.75	-1.07	-9312.62	-
798.31												
62	67	7669.61	972.48	1.97e-03	0.0	0.0	-2926.71	-186.69	-228.23	-0.76	972.48	
7669.61												
3375.60		-918.41	-9526.20	8.04e-04	0.0	23.0	-2912.61	-186.69	-228.23	-0.76	-4276.86	
						46.0	-2898.50	-186.69	-228.23	-0.76	-9526.20	-
918.41												
62	68	9312.72	4842.90	1.90e-03	0.0	0.0	-2887.34	-220.06	-307.78	-1.07	4842.90	
9312.72												
4251.29		-810.15	-9314.98	-2.93e-04	0.0	23.0	-2873.24	-220.06	-307.78	-1.07	-2236.04	
						46.0	-2859.14	-220.06	-307.78	-1.07	-9314.98	-
810.15												
62	71	7866.78	1019.35	1.96e-03	0.0	0.0	-2926.73	-190.72	-229.20	-0.76	1019.35	
7866.78												
3480.10		-906.58	-9523.84	7.93e-04	0.0	23.0	-2912.63	-190.72	-229.20	-0.76	-4252.24	
						46.0	-2898.53	-190.72	-229.20	-0.76	-9523.84	-
906.58												
62	80	8589.75	2931.13	1.93e-03	0.0	0.0	-2907.04	-205.39	-268.49	-0.91	2931.13	
8589.75												
3865.70		-858.36	-9419.41	3.66e-04	0.0	23.0	-2892.93	-205.39	-268.49	-0.91	-3244.14	
						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41	-
858.36												
62	81	8589.75	2931.13	1.93e-03	0.0	0.0	-2907.04	-205.39	-268.49	-0.91	2931.13	
8589.75												
3865.70		-858.36	-9419.41	3.66e-04	0.0	23.0	-2892.93	-205.39	-268.49	-0.91	-3244.14	
						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41	-
858.36												
62	82	8589.75	2931.13	1.93e-03	0.0	0.0	-2907.04	-205.39	-268.49	-0.91	2931.13	
8589.75												
3865.70		-858.36	-9419.41	3.66e-04	0.0	23.0	-2892.93	-205.39	-268.49	-0.91	-3244.14	
						46.0	-2878.83	-205.39	-268.49	-0.91	-9419.41	-
858.36												
63	1	-1973.43	-1.230e+04	1.06e-03	0.0	0.0	-3584.45	13.47	-708.24	0.46	-1.230e+04	-
2215.93												
2094.68		-2215.93	-2.504e+04	-1.20e-03	0.0	9.0	-3577.28	13.47	-708.24	0.46	-1.867e+04	-
						18.0	-3570.11	13.47	-708.24	0.46	-2.504e+04	-
1973.43												
63	2	-1518.02	-9457.92	8.12e-04	0.0	0.0	-2757.27	10.36	-544.80	0.35	-9457.92	-
1704.56												
1611.29		-1704.56	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	10.36	-544.80	0.35	-1.436e+04	-
						18.0	-2746.24	10.36	-544.80	0.35	-1.926e+04	-
1518.02												
63	11	-1518.02	-9457.92	8.12e-04	0.0	0.0	-2757.27	10.36	-544.80	0.35	-9457.92	-
1704.56												
1611.29		-1704.56	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	10.36	-544.80	0.35	-1.436e+04	-
						18.0	-2746.24	10.36	-544.80	0.35	-1.926e+04	-
1518.02												

63	21	-948.40	-9443.59	7.69e-04	0.0	0.0	-2762.83	48.49	-547.29	0.30	-9443.59	-
1821.28		-1821.28	-1.929e+04	-9.03e-04	0.0	9.0	-2757.32	48.49	-547.29	0.30	-1.437e+04	-
1384.84						18.0	-2751.80	48.49	-547.29	0.30	-1.929e+04	-
948.40	22	-1587.84	-9472.26	8.54e-04	0.0	0.0	-2751.71	-27.76	-542.30	0.40	-9472.26	-
63		-2087.64	-1.923e+04	-9.49e-04	0.0	9.0	-2746.19	-27.76	-542.30	0.40	-1.435e+04	-
1587.84						18.0	-2740.67	-27.76	-542.30	0.40	-1.923e+04	-
1837.74												
2087.64	33	-1263.27	-9343.74	7.90e-04	0.0	0.0	-2763.18	27.63	-565.43	-0.24	-9343.74	-
63		-1760.89	-1.952e+04	-7.31e-04	0.0	9.0	-2757.66	27.63	-565.43	-0.24	-1.443e+04	-
1760.89						18.0	-2752.14	27.63	-565.43	-0.24	-1.952e+04	-
1512.08												
1263.27	34	-1648.23	-9572.10	8.33e-04	0.0	0.0	-2751.37	-6.91	-524.16	0.94	-9572.10	-
63		-1772.77	-1.901e+04	-1.12e-03	0.0	9.0	-2745.85	-6.91	-524.16	0.94	-1.429e+04	-
1648.23						18.0	-2740.33	-6.91	-524.16	0.94	-1.901e+04	-
1710.50												
1772.77	35	-1586.84	-9341.19	8.17e-04	0.0	0.0	-2760.48	6.02	-565.93	-0.27	-9341.19	-
63		-1695.41	-1.953e+04	-7.25e-04	0.0	9.0	-2754.96	6.02	-565.93	-0.27	-1.443e+04	-
1695.41						18.0	-2749.44	6.02	-565.93	-0.27	-1.953e+04	-
1641.13												
1586.84	53	-1184.31	-9448.62	7.87e-04	0.0	0.0	-2760.57	32.70	-546.42	0.32	-9448.62	-
63		-1773.02	-1.928e+04	-9.11e-04	0.0	9.0	-2755.06	32.70	-546.42	0.32	-1.437e+04	-
1773.02						18.0	-2749.54	32.70	-546.42	0.32	-1.928e+04	-
1478.67												
1184.31	54	-1636.10	-9467.23	8.36e-04	0.0	0.0	-2753.97	-11.98	-543.17	0.38	-9467.23	-
63		-1851.73	-1.924e+04	-9.41e-04	0.0	9.0	-2748.45	-11.98	-543.17	0.38	-1.436e+04	-
1636.10						18.0	-2742.93	-11.98	-543.17	0.38	-1.924e+04	-
1743.92												
1851.73	65	-1366.98	-9382.14	7.99e-04	0.0	0.0	-2761.07	20.60	-558.50	-0.03	-9382.14	-
63		-1737.93	-1.944e+04	-7.96e-04	0.0	9.0	-2755.56	20.60	-558.50	-0.03	-1.441e+04	-
1737.93						18.0	-2750.04	20.60	-558.50	-0.03	-1.944e+04	-
1552.46												
1366.98	66	-1669.06	-9533.71	8.25e-04	0.0	0.0	-2753.47	0.13	-531.10	0.73	-9533.71	-
63		-1671.19	-1.909e+04	-1.06e-03	0.0	9.0	-2747.95	0.13	-531.10	0.73	-1.431e+04	-
1671.19						18.0	-2742.43	0.13	-531.10	0.73	-1.909e+04	-
1670.12												
1669.06	67	-1555.24	-9380.56	8.15e-04	0.0	0.0	-2759.51	8.02	-558.80	-0.05	-9380.56	-
63		-1699.83	-1.944e+04	-7.93e-04	0.0	9.0	-2753.99	8.02	-558.80	-0.05	-1.441e+04	-
1699.83						18.0	-2748.47	8.02	-558.80	-0.05	-1.944e+04	-
1627.54												
1555.24	80	-1518.02	-9457.92	8.12e-04	0.0	0.0	-2757.27	10.36	-544.80	0.35	-9457.92	-
63		-1704.56	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	10.36	-544.80	0.35	-1.436e+04	-
1704.56						18.0	-2746.24	10.36	-544.80	0.35	-1.926e+04	-
1611.29												
1518.02	81	-1518.02	-9457.92	8.12e-04	0.0	0.0	-2757.27	10.36	-544.80	0.35	-9457.92	-
63		-1704.56	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	10.36	-544.80	0.35	-1.436e+04	-
1704.56						18.0	-2746.24	10.36	-544.80	0.35	-1.926e+04	-
1611.29												
1518.02	82	-1518.02	-9457.92	8.12e-04	0.0	0.0	-2757.27	10.36	-544.80	0.35	-9457.92	-
63		-1704.56	-1.926e+04	-9.26e-04	0.0	9.0	-2751.75	10.36	-544.80	0.35	-1.436e+04	-
1704.56												
1611.29												

1518.02					18.0	-2746.24	10.36	-544.80	0.35	-1.926e+04	-
64	1	1.256e+04	-779.10	8.82e-04	0.0	0.0	-3642.10	104.29	-7.99	-1.13	-779.10
8497.30		8497.30	-1090.75	-3.92e-04	0.0	19.5	-3626.56	104.29	-7.99	-1.13	-934.93
1.053e+04											
					39.0	-3611.02	104.29	-7.99	-1.13	-1090.75	
1.256e+04											
64	2	9665.02	-599.30	6.79e-04	0.0	0.0	-2801.62	80.22	-6.15	-0.87	-599.30
6536.38		6536.38	-839.04	-3.01e-04	0.0	19.5	-2789.66	80.22	-6.15	-0.87	-719.17
8100.70											
					39.0	-2777.71	80.22	-6.15	-0.87	-839.04	
9665.02											
64	11	9665.02	-599.30	6.79e-04	0.0	0.0	-2801.62	80.22	-6.15	-0.87	-599.30
6536.38		6536.38	-839.04	-3.01e-04	0.0	19.5	-2789.66	80.22	-6.15	-0.87	-719.17
8100.70											
					39.0	-2777.71	80.22	-6.15	-0.87	-839.04	
9665.02											
64	20	1.337e+04	-143.11	1.31e-04	0.0	0.0	-2815.59	115.06	1.81	-1.59	-213.61
8885.62		8885.62	-213.61	-6.29e-04	0.0	19.5	-2803.63	115.06	1.81	-1.59	-178.36
1.113e+04											
					39.0	-2791.68	115.06	1.81	-1.59	-143.11	
1.337e+04											
64	23	5957.28	-985.00	1.23e-03	0.0	0.0	-2787.64	45.39	-14.10	-0.16	-985.00
4187.14		4187.14	-1534.97	7.09e-05	0.0	19.5	-2775.69	45.39	-14.10	-0.16	-1259.98
5072.21											
					39.0	-2763.73	45.39	-14.10	-0.16	-1534.97	
5957.28											
64	32	1.014e+04	2705.16	5.75e-04	0.0	0.0	-2853.63	84.82	34.26	-6.31	1369.02
6827.23		6827.23	1369.02	-1.95e-03	0.0	19.5	-2841.68	84.82	34.26	-6.31	2037.09
8481.17											
					39.0	-2829.72	84.82	34.26	-6.31	2705.16	
1.014e+04											
64	35	9194.93	-2567.63	7.83e-04	0.0	0.0	-2749.60	75.63	-46.55	4.57	-2567.63
6245.54		6245.54	-4383.25	1.35e-03	0.0	19.5	-2737.64	75.63	-46.55	4.57	-3475.44
7720.24											
					39.0	-2725.69	75.63	-46.55	4.57	-4383.25	
9194.93											
64	36	1.006e+04	2609.39	5.87e-04	0.0	0.0	-2854.21	84.11	33.18	-7.17	1315.52
6780.71		6780.71	1315.52	-1.91e-03	0.0	19.5	-2842.25	84.11	33.18	-7.17	1962.45
8420.96											
					39.0	-2830.30	84.11	33.18	-7.17	2609.39	
1.006e+04											
64	39	9268.84	-2514.13	7.71e-04	0.0	0.0	-2749.02	76.33	-45.47	5.43	-2514.13
6292.06		6292.06	-4287.47	1.30e-03	0.0	19.5	-2737.07	76.33	-45.47	5.43	-3400.80
7780.45											
					39.0	-2725.11	76.33	-45.47	5.43	-4287.47	
9268.84											
64	52	1.183e+04	-357.36	3.59e-04	0.0	0.0	-2810.26	100.59	-1.15	-1.45	-357.36
7910.80		7910.80	-402.32	-5.07e-04	0.0	19.5	-2798.31	100.59	-1.15	-1.45	-379.84
9872.38											
					39.0	-2786.35	100.59	-1.15	-1.45	-402.32	
1.183e+04											
64	55	7496.10	-841.25	9.99e-04	0.0	0.0	-2792.97	59.85	-11.14	-0.29	-841.25
5161.96		5161.96	-1275.76	-9.52e-05	0.0	19.5	-2781.01	59.85	-11.14	-0.29	-1058.51
6329.03											
					39.0	-2769.06	59.85	-11.14	-0.29	-1275.76	
7496.10											
64	64	9900.92	1508.35	6.22e-04	0.0	0.0	-2835.99	82.55	20.62	-4.28	704.34
6681.48		6681.48	704.34	-1.39e-03	0.0	19.5	-2824.03	82.55	20.62	-4.28	1106.34
8291.20											
					39.0	-2812.08	82.55	20.62	-4.28	1508.35	
9900.92											
64	67	9429.13	-1902.95	7.35e-04	0.0	0.0	-2767.24	77.89	-32.91	2.53	-1902.95
6391.29											

7910.21		6391.29	-3186.43	7.90e-04	0.0	19.5	-2755.29	77.89	-32.91	2.53	-2544.69	
						39.0	-2743.33	77.89	-32.91	2.53	-3186.43	
9429.13												
64	68	9838.25	1451.48	6.32e-04	0.0	0.0	-2836.26	81.96	19.97	-4.76	672.59	
6641.96												
		6641.96	672.59	-1.37e-03	0.0	19.5	-2824.31	81.96	19.97	-4.76	1062.03	
8240.10						39.0	-2812.35	81.96	19.97	-4.76	1451.48	
9838.25												
64	71	9491.80	-1871.20	7.25e-04	0.0	0.0	-2766.97	78.49	-32.27	3.02	-1871.20	
6430.81												
		6430.81	-3129.57	7.65e-04	0.0	19.5	-2755.01	78.49	-32.27	3.02	-2500.38	
7961.30						39.0	-2743.06	78.49	-32.27	3.02	-3129.57	
9491.80												
64	80	9665.02	-599.30	6.79e-04	0.0	0.0	-2801.62	80.22	-6.15	-0.87	-599.30	
6536.38												
		6536.38	-839.04	-3.01e-04	0.0	19.5	-2789.66	80.22	-6.15	-0.87	-719.17	
8100.70						39.0	-2777.71	80.22	-6.15	-0.87	-839.04	
9665.02												
64	81	9665.02	-599.30	6.79e-04	0.0	0.0	-2801.62	80.22	-6.15	-0.87	-599.30	
6536.38												
		6536.38	-839.04	-3.01e-04	0.0	19.5	-2789.66	80.22	-6.15	-0.87	-719.17	
8100.70						39.0	-2777.71	80.22	-6.15	-0.87	-839.04	
9665.02												
64	82	9665.02	-599.30	6.79e-04	0.0	0.0	-2801.62	80.22	-6.15	-0.87	-599.30	
6536.38												
		6536.38	-839.04	-3.01e-04	0.0	19.5	-2789.66	80.22	-6.15	-0.87	-719.17	
8100.70						39.0	-2777.71	80.22	-6.15	-0.87	-839.04	
9665.02												
65	1	1.117e+04	1.225e+04	2.51e-03	0.0	0.0	-3779.15	-267.01	349.04	1.19	-3810.47	
1.117e+04												
		-1115.87	-3810.47	-4.76e-04	0.0	23.0	-3760.81	-267.01	349.04	1.19	4217.38	
5025.40						46.0	-3742.48	-267.01	349.04	1.19	1.225e+04	-
1115.87												
65	2	8589.75	9419.41	1.93e-03	0.0	0.0	-2907.04	-205.39	268.49	0.91	-2931.13	
8589.75												
		-858.36	-2931.13	-3.66e-04	0.0	23.0	-2892.93	-205.39	268.49	0.91	3244.14	
3865.70						46.0	-2878.83	-205.39	268.49	0.91	9419.41	-
858.36												
65	11	8589.75	9419.41	1.93e-03	0.0	0.0	-2907.04	-205.39	268.49	0.91	-2931.13	
8589.75												
		-858.36	-2931.13	-3.66e-04	0.0	23.0	-2892.93	-205.39	268.49	0.91	3244.14	
3865.70						46.0	-2878.83	-205.39	268.49	0.91	9419.41	-
858.36												
65	20	1.178e+04	9450.78	1.72e-03	0.0	0.0	-2909.39	-270.16	256.56	1.09	-2351.13	
1.178e+04												
		-651.56	-2351.13	-4.98e-04	0.0	23.0	-2895.29	-270.16	256.56	1.09	3549.82	
5562.20						46.0	-2881.19	-270.16	256.56	1.09	9450.78	-
651.56												
65	23	5403.54	9388.05	2.14e-03	0.0	0.0	-2904.68	-140.62	280.42	0.73	-3511.13	
5403.54												
		-1065.17	-3511.13	-2.42e-04	0.0	23.0	-2890.58	-140.62	280.42	0.73	2938.46	
2169.19						46.0	-2876.48	-140.62	280.42	0.73	9388.05	-
1065.17												
65	32	8991.63	9580.59	1.86e-03	0.0	0.0	-2935.64	-213.60	207.71	0.80	26.04	
8991.63												
		-833.99	26.04	-1.05e-03	0.0	23.0	-2921.53	-213.60	207.71	0.80	4803.31	
4078.82						46.0	-2907.43	-213.60	207.71	0.80	9580.59	-
833.99												
65	33	1.000e+04	9262.73	1.87e-03	0.0	0.0	-2877.04	-234.09	327.43	1.17	-5799.15	
1.000e+04												
		-765.16	-5799.15	5.49e-04	0.0	23.0	-2862.94	-234.09	327.43	1.17	1731.79	
4618.87						46.0	-2848.84	-234.09	327.43	1.17	9262.73	-
765.16												

65	34	7176.60	9576.09	1.99e-03	0.0	0.0	-2937.03	-176.70	209.55	0.66	-63.11	
7176.60		-951.56	-63.11	-1.03e-03	0.0	23.0	-2922.93	-176.70	209.55	0.66	4756.49	
3112.52						46.0	-2908.83	-176.70	209.55	0.66	9576.09	-
951.56	35	8187.87	9258.23	2.00e-03	0.0	0.0	-2878.44	-197.19	329.27	1.03	-5888.30	
65		-882.74	-5888.30	5.71e-04	0.0	23.0	-2864.33	-197.19	329.27	1.03	1684.97	
8187.87						46.0	-2850.23	-197.19	329.27	1.03	9258.23	-
3652.57												
882.74	52	1.045e+04	9439.17	1.81e-03	0.0	0.0	-2908.65	-243.28	261.00	1.01	-2566.97	
65		-737.36	-2566.97	-4.49e-04	0.0	23.0	-2894.55	-243.28	261.00	1.01	3436.10	
1.045e+04						46.0	-2880.45	-243.28	261.00	1.01	9439.17	-
4858.16												
737.36	55	6725.82	9399.65	2.05e-03	0.0	0.0	-2905.42	-167.50	275.98	0.81	-3295.28	
65		-979.36	-3295.28	-2.85e-04	0.0	23.0	-2891.32	-167.50	275.98	0.81	3052.18	
6725.82						46.0	-2877.22	-167.50	275.98	0.81	9399.65	-
2873.23												
979.36	64	8791.24	9526.18	1.89e-03	0.0	0.0	-2926.06	-209.51	228.23	0.83	-972.49	
65		-846.50	-972.49	-8.04e-04	0.0	23.0	-2911.96	-209.51	228.23	0.83	4276.85	
8791.24						46.0	-2897.86	-209.51	228.23	0.83	9526.18	-
3972.37												
846.50	65	9443.20	9315.36	1.89e-03	0.0	0.0	-2887.19	-222.72	307.64	1.08	-4836.21	
65		-801.89	-4836.21	2.91e-04	0.0	23.0	-2873.09	-222.72	307.64	1.08	2239.57	
9443.20						46.0	-2858.99	-222.72	307.64	1.08	9315.36	-
4320.65												
801.89	66	7736.31	9523.46	1.96e-03	0.0	0.0	-2926.88	-188.07	229.34	0.75	-1026.04	
65		-914.84	-1026.04	-7.92e-04	0.0	23.0	-2912.78	-188.07	229.34	0.75	4248.71	
7736.31						46.0	-2898.68	-188.07	229.34	0.75	9523.46	-
3410.74												
914.84	67	8388.27	9312.64	1.97e-03	0.0	0.0	-2888.01	-201.27	308.75	0.99	-4889.77	
65		-870.23	-4889.77	3.05e-04	0.0	23.0	-2873.91	-201.27	308.75	0.99	2211.44	
8388.27						46.0	-2859.81	-201.27	308.75	0.99	9312.64	-
3759.02												
870.23	80	8589.75	9419.41	1.93e-03	0.0	0.0	-2907.04	-205.39	268.49	0.91	-2931.13	
65		-858.36	-2931.13	-3.66e-04	0.0	23.0	-2892.93	-205.39	268.49	0.91	3244.14	
8589.75						46.0	-2878.83	-205.39	268.49	0.91	9419.41	-
3865.70												
858.36	81	8589.75	9419.41	1.93e-03	0.0	0.0	-2907.04	-205.39	268.49	0.91	-2931.13	
65		-858.36	-2931.13	-3.66e-04	0.0	23.0	-2892.93	-205.39	268.49	0.91	3244.14	
8589.75						46.0	-2878.83	-205.39	268.49	0.91	9419.41	-
3865.70												
858.36	82	8589.75	9419.41	1.93e-03	0.0	0.0	-2907.04	-205.39	268.49	0.91	-2931.13	
65		-858.36	-2931.13	-3.66e-04	0.0	23.0	-2892.93	-205.39	268.49	0.91	3244.14	
8589.75						46.0	-2878.83	-205.39	268.49	0.91	9419.41	-
3865.70												
858.36	1	-1973.43	2.504e+04	1.06e-03	0.0	0.0	-3584.45	13.47	708.24	-0.46	1.230e+04	-
66		-2215.93	1.230e+04	1.20e-03	0.0	9.0	-3577.28	13.47	708.24	-0.46	1.867e+04	-
2215.93						18.0	-3570.11	13.47	708.24	-0.46	2.504e+04	-
2094.68												
1973.43	2	-1518.02	1.926e+04	8.12e-04	0.0	0.0	-2757.27	10.36	544.80	-0.35	9457.92	-
66		-1704.56	9457.92	9.26e-04	0.0	9.0	-2751.75	10.36	544.80	-0.35	1.436e+04	-
1704.56												
1611.29												

1518.02						18.0	-2746.24	10.36	544.80	-0.35	1.926e+04	-
66	11	-1518.02	1.926e+04	8.12e-04	0.0	0.0	-2757.27	10.36	544.80	-0.35	9457.92	-
1704.56		-1704.56	9457.92	9.26e-04	0.0	9.0	-2751.75	10.36	544.80	-0.35	1.436e+04	-
1611.29						18.0	-2746.24	10.36	544.80	-0.35	1.926e+04	-
1518.02												
66	20	-1007.64	1.932e+04	7.73e-04	0.0	0.0	-2762.36	44.71	548.93	-0.41	9435.11	-
1812.54		-1812.54	9435.11	8.85e-04	0.0	9.0	-2756.84	44.71	548.93	-0.41	1.438e+04	-
1410.09						18.0	-2751.32	44.71	548.93	-0.41	1.932e+04	-
1007.64												
66	23	-1596.58	1.921e+04	8.51e-04	0.0	0.0	-2752.19	-23.99	540.66	-0.29	9480.74	-
1596.58		-2028.40	9480.74	9.68e-04	0.0	9.0	-2746.67	-23.99	540.66	-0.29	1.435e+04	-
1812.49						18.0	-2741.15	-23.99	540.66	-0.29	1.921e+04	-
2028.40												
66	32	-1280.85	1.953e+04	7.91e-04	0.0	0.0	-2763.02	26.51	565.93	0.20	9341.20	-
1758.32		-1758.32	9341.20	7.25e-04	0.0	9.0	-2757.50	26.51	565.93	0.20	1.443e+04	-
1519.59						18.0	-2751.99	26.51	565.93	0.20	1.953e+04	-
1280.85												
66	35	-1650.80	1.900e+04	8.32e-04	0.0	0.0	-2751.52	-5.79	523.67	-0.90	9574.65	-
1650.80		-1755.19	9574.65	1.13e-03	0.0	9.0	-2746.00	-5.79	523.67	-0.90	1.429e+04	-
1702.99						18.0	-2740.49	-5.79	523.67	-0.90	1.900e+04	-
1755.19												
66	52	-1219.15	1.930e+04	7.89e-04	0.0	0.0	-2760.30	30.48	547.42	-0.38	9443.38	-
1767.85		-1767.85	9443.38	9.00e-04	0.0	9.0	-2754.78	30.48	547.42	-0.38	1.437e+04	-
1493.50						18.0	-2749.26	30.48	547.42	-0.38	1.930e+04	-
1219.15												
66	55	-1641.27	1.923e+04	8.34e-04	0.0	0.0	-2754.24	-9.75	542.17	-0.32	9472.46	-
1641.27		-1816.89	9472.46	9.53e-04	0.0	9.0	-2748.73	-9.75	542.17	-0.32	1.435e+04	-
1729.08						18.0	-2743.21	-9.75	542.17	-0.32	1.923e+04	-
1816.89												
66	64	-1377.33	1.944e+04	7.99e-04	0.0	0.0	-2760.98	19.94	558.80	8.51e-03	9380.57	-
1736.41		-1736.41	9380.57	7.93e-04	0.0	9.0	-2755.47	19.94	558.80	8.51e-03	1.441e+04	-
1556.87						18.0	-2749.95	19.94	558.80	8.51e-03	1.944e+04	-
1377.33												
66	67	-1658.71	1.909e+04	8.24e-04	0.0	0.0	-2753.56	0.79	530.79	-0.71	9535.28	-
1672.71		-1672.71	9535.28	1.06e-03	0.0	9.0	-2748.04	0.79	530.79	-0.71	1.431e+04	-
1665.71						18.0	-2742.52	0.79	530.79	-0.71	1.909e+04	-
1658.71												
66	80	-1518.02	1.926e+04	8.12e-04	0.0	0.0	-2757.27	10.36	544.80	-0.35	9457.92	-
1704.56		-1704.56	9457.92	9.26e-04	0.0	9.0	-2751.75	10.36	544.80	-0.35	1.436e+04	-
1611.29						18.0	-2746.24	10.36	544.80	-0.35	1.926e+04	-
1518.02												
66	81	-1518.02	1.926e+04	8.12e-04	0.0	0.0	-2757.27	10.36	544.80	-0.35	9457.92	-
1704.56		-1704.56	9457.92	9.26e-04	0.0	9.0	-2751.75	10.36	544.80	-0.35	1.436e+04	-
1611.29						18.0	-2746.24	10.36	544.80	-0.35	1.926e+04	-
1518.02												
66	82	-1518.02	1.926e+04	8.12e-04	0.0	0.0	-2757.27	10.36	544.80	-0.35	9457.92	-
1704.56		-1704.56	9457.92	9.26e-04	0.0	9.0	-2751.75	10.36	544.80	-0.35	1.436e+04	-
1611.29						18.0	-2746.24	10.36	544.80	-0.35	1.926e+04	-
1518.02												
67	1	1.256e+04	1091.27	8.82e-04	0.0	0.0	-3642.37	104.29	7.99	1.13	779.47	-
8497.31												

1.053e+04		8497.31	779.47	3.92e-04	0.0	19.5	-3626.83	104.29	7.99	1.13	935.37
						39.0	-3611.29	104.29	7.99	1.13	1091.27
1.256e+04											
67	2	9665.04	839.44	6.79e-04	0.0	0.0	-2801.83	80.22	6.15	0.87	599.59
6536.39											
		6536.39	599.59	3.01e-04	0.0	19.5	-2789.87	80.22	6.15	0.87	719.51
8100.72											
						39.0	-2777.92	80.22	6.15	0.87	839.44
9665.04											
67	11	9665.04	839.44	6.79e-04	0.0	0.0	-2801.83	80.22	6.15	0.87	599.59
6536.39											
		6536.39	599.59	3.01e-04	0.0	19.5	-2789.87	80.22	6.15	0.87	719.51
8100.72											
						39.0	-2777.92	80.22	6.15	0.87	839.44
9665.04											
67	29	1.337e+04	214.49	1.30e-04	0.0	0.0	-2815.53	115.05	-1.80	1.59	214.49
8885.46											
		8885.46	144.34	6.30e-04	0.0	19.5	-2803.58	115.05	-1.80	1.59	179.41
1.113e+04											
						39.0	-2791.62	115.05	-1.80	1.59	144.34
1.337e+04											
67	30	5957.51	1534.54	1.23e-03	0.0	0.0	-2788.12	45.39	14.10	0.15	984.70
4187.33											
		4187.33	984.70	-7.10e-05	0.0	19.5	-2776.16	45.39	14.10	0.15	1259.62
5072.42											
						39.0	-2764.21	45.39	14.10	0.15	1534.54
5957.51											
67	33	1.006e+04	-1315.55	5.87e-04	0.0	0.0	-2854.35	84.11	-33.18	7.17	-1315.55
6780.38											
		6780.38	-2609.53	1.91e-03	0.0	19.5	-2842.39	84.11	-33.18	7.17	-1962.54
8420.56											
						39.0	-2830.44	84.11	-33.18	7.17	-2609.53
1.006e+04											
67	34	9269.34	4288.40	7.71e-04	0.0	0.0	-2749.31	76.33	45.48	-5.42	2514.73
6292.40											
		6292.40	2514.73	-1.30e-03	0.0	19.5	-2737.35	76.33	45.48	-5.42	3401.57
7780.87											
						39.0	-2725.40	76.33	45.48	-5.42	4288.40
9269.34											
67	37	1.013e+04	-1368.84	5.75e-04	0.0	0.0	-2853.77	84.82	-34.26	6.31	-1368.84
6827.15											
		6827.15	-2705.00	1.95e-03	0.0	19.5	-2841.81	84.82	-34.26	6.31	-2036.92
8481.08											
						39.0	-2829.86	84.82	-34.26	6.31	-2705.00
1.013e+04											
67	38	9195.08	4383.87	7.83e-04	0.0	0.0	-2749.89	75.63	46.56	-4.57	2568.02
6245.63											
		6245.63	2568.02	-1.35e-03	0.0	19.5	-2737.93	75.63	46.56	-4.57	3475.95
7720.36											
						39.0	-2725.98	75.63	46.56	-4.57	4383.87
9195.08											
67	61	1.183e+04	403.16	3.59e-04	0.0	0.0	-2810.32	100.59	1.16	1.45	357.96
7910.71											
		7910.71	357.96	5.08e-04	0.0	19.5	-2798.37	100.59	1.16	1.45	380.56
9872.27											
						39.0	-2786.41	100.59	1.16	1.45	403.16
1.183e+04											
67	62	7496.24	1275.72	9.99e-04	0.0	0.0	-2793.33	59.85	11.14	0.29	841.23
5162.08											
		5162.08	841.23	9.52e-05	0.0	19.5	-2781.37	59.85	11.14	0.29	1058.47
6329.16											
						39.0	-2769.42	59.85	11.14	0.29	1275.72
7496.24											
67	65	9838.02	-672.49	6.32e-04	0.0	0.0	-2836.43	81.95	-19.97	4.76	-672.49
6641.80											
		6641.80	-1451.42	1.37e-03	0.0	19.5	-2824.48	81.95	-19.97	4.76	-1061.95
8239.91											
						39.0	-2812.52	81.95	-19.97	4.76	-1451.42
9838.02											
67	66	9492.06	3130.29	7.25e-04	0.0	0.0	-2767.22	78.49	32.27	-3.02	1871.67
6430.99											
		6430.99	1871.67	-7.65e-04	0.0	19.5	-2755.26	78.49	32.27	-3.02	2500.98
7961.52											
						39.0	-2743.31	78.49	32.27	-3.02	3130.29
9492.06											

67	69	9900.89	-704.13	6.22e-04	0.0	0.0	-2836.15	82.55	-20.62	4.27	-704.13
6681.46		6681.46	-1508.12	1.39e-03	0.0	19.5	-2824.20	82.55	-20.62	4.27	-1106.13
8291.17						39.0	-2812.24	82.55	-20.62	4.27	-1508.12
9900.89	70	9429.19	3186.99	7.35e-04	0.0	0.0	-2767.50	77.89	32.91	-2.53	1903.32
67		6391.33	1903.32	-7.90e-04	0.0	19.5	-2755.54	77.89	32.91	-2.53	2545.16
6391.33						39.0	-2743.59	77.89	32.91	-2.53	3186.99
7910.26											
9429.19	80	9665.04	839.44	6.79e-04	0.0	0.0	-2801.83	80.22	6.15	0.87	599.59
67		6536.39	599.59	3.01e-04	0.0	19.5	-2789.87	80.22	6.15	0.87	719.51
6536.39						39.0	-2777.92	80.22	6.15	0.87	839.44
8100.72											
9665.04	81	9665.04	839.44	6.79e-04	0.0	0.0	-2801.83	80.22	6.15	0.87	599.59
67		6536.39	599.59	3.01e-04	0.0	19.5	-2789.87	80.22	6.15	0.87	719.51
6536.39						39.0	-2777.92	80.22	6.15	0.87	839.44
8100.72											
9665.04	82	9665.04	839.44	6.79e-04	0.0	0.0	-2801.83	80.22	6.15	0.87	599.59
67		6536.39	599.59	3.01e-04	0.0	19.5	-2789.87	80.22	6.15	0.87	719.51
6536.39						39.0	-2777.92	80.22	6.15	0.87	839.44
8100.72											
9665.04	1	1.117e+04	3811.85	2.51e-03	0.0	0.0	-3779.43	-267.01	-349.20	-1.19	3811.85
68		-1115.86	-1.225e+04	4.76e-04	0.0	23.0	-3761.10	-267.01	-349.20	-1.19	-4219.78
1.117e+04						46.0	-3742.77	-267.01	-349.20	-1.19	-1.225e+04
5025.42											
1115.86	2	8589.77	2932.19	1.93e-03	0.0	0.0	-2907.25	-205.39	-268.62	-0.91	2932.19
68		-858.36	-9424.16	3.66e-04	0.0	23.0	-2893.15	-205.39	-268.62	-0.91	-3245.98
8589.77						46.0	-2879.05	-205.39	-268.62	-0.91	-9424.16
3865.71											
858.36	11	8589.77	2932.19	1.93e-03	0.0	0.0	-2907.25	-205.39	-268.62	-0.91	2932.19
68		-858.36	-9424.16	3.66e-04	0.0	23.0	-2893.15	-205.39	-268.62	-0.91	-3245.98
8589.77						46.0	-2879.05	-205.39	-268.62	-0.91	-9424.16
3865.71											
858.36	29	1.178e+04	2352.95	1.72e-03	0.0	0.0	-2909.35	-270.16	-256.71	-1.10	2352.95
68		-651.23	-9455.52	4.99e-04	0.0	23.0	-2895.25	-270.16	-256.71	-1.10	-3551.28
1.178e+04						46.0	-2881.15	-270.16	-256.71	-1.10	-9455.52
5562.35											
651.23	30	5403.61	3511.43	2.14e-03	0.0	0.0	-2905.16	-140.63	-280.53	-0.73	3511.43
68		-1065.49	-9392.81	2.41e-04	0.0	23.0	-2891.06	-140.63	-280.53	-0.73	-2940.69
5403.61						46.0	-2876.96	-140.63	-280.53	-0.73	-9392.81
2169.06											
1065.49	36	1.000e+04	5800.90	1.87e-03	0.0	0.0	-2877.18	-234.09	-327.57	-1.17	5800.90
68		-765.05	-9267.37	-5.49e-04	0.0	23.0	-2863.08	-234.09	-327.57	-1.17	-1733.23
1.000e+04						46.0	-2848.98	-234.09	-327.57	-1.17	-9267.37
4618.91											
765.05	37	8991.58	-25.19	1.86e-03	0.0	0.0	-2935.77	-213.59	-207.83	-0.80	-25.19
68		-833.90	-9585.44	1.05e-03	0.0	23.0	-2921.67	-213.59	-207.83	-0.80	-4805.31
8991.58						46.0	-2907.57	-213.59	-207.83	-0.80	-9585.44
4078.84											
833.90	38	8187.96	5889.57	2.00e-03	0.0	0.0	-2878.73	-197.19	-329.40	-1.03	5889.57
68		-882.81	-9262.88	-5.72e-04	0.0	23.0	-2864.63	-197.19	-329.40	-1.03	-1686.66
8187.96											
3652.58											

882.81						46.0	-2850.53	-197.19	-329.40	-1.03	-9262.88	-
68	39	7176.67	63.48	1.99e-03	0.0	0.0	-2937.33	-176.70	-209.66	-0.66	63.48	
7176.67		-951.66	-9580.95	1.03e-03	0.0	23.0	-2923.23	-176.70	-209.66	-0.66	-4758.73	
3112.50						46.0	-2909.13	-176.70	-209.66	-0.66	-9580.95	-
951.66												
68	61	1.045e+04	2568.44	1.81e-03	0.0	0.0	-2908.72	-243.28	-261.14	-1.02	2568.44	
1.045e+04		-737.17	-9443.92	4.50e-04	0.0	23.0	-2894.62	-243.28	-261.14	-1.02	-3437.74	
4858.25						46.0	-2880.52	-243.28	-261.14	-1.02	-9443.92	-
737.17												
68	62	6725.88	3295.95	2.05e-03	0.0	0.0	-2905.79	-167.51	-276.09	-0.81	3295.95	
6725.88		-979.54	-9404.40	2.85e-04	0.0	23.0	-2891.69	-167.51	-276.09	-0.81	-3054.23	
2873.17						46.0	-2877.59	-167.51	-276.09	-0.81	-9404.40	-
979.54												
68	68	9443.17	4837.69	1.89e-03	0.0	0.0	-2887.37	-222.72	-307.78	-1.08	4837.69	
9443.17		-801.82	-9320.04	-2.91e-04	0.0	23.0	-2873.26	-222.72	-307.78	-1.08	-2241.17	
4320.68						46.0	-2859.16	-222.72	-307.78	-1.08	-9320.04	-
801.82												
68	69	8791.24	973.40	1.89e-03	0.0	0.0	-2926.23	-209.51	-228.36	-0.83	973.40	
8791.24		-846.44	-9531.00	8.04e-04	0.0	23.0	-2912.13	-209.51	-228.36	-0.83	-4278.80	
3972.40						46.0	-2898.03	-209.51	-228.36	-0.83	-9531.00	-
846.44												
68	70	8388.30	4890.98	1.97e-03	0.0	0.0	-2888.28	-201.28	-308.88	-0.99	4890.98	
8388.30		-870.27	-9317.32	-3.05e-04	0.0	23.0	-2874.18	-201.28	-308.88	-0.99	-2213.17	
3759.02						46.0	-2860.07	-201.28	-308.88	-0.99	-9317.32	-
870.27												
68	71	7736.37	1026.69	1.96e-03	0.0	0.0	-2927.14	-188.07	-229.46	-0.75	1026.69	
7736.37		-914.89	-9528.29	7.92e-04	0.0	23.0	-2913.04	-188.07	-229.46	-0.75	-4250.80	
3410.74						46.0	-2898.94	-188.07	-229.46	-0.75	-9528.29	-
914.89												
68	80	8589.77	2932.19	1.93e-03	0.0	0.0	-2907.25	-205.39	-268.62	-0.91	2932.19	
8589.77		-858.36	-9424.16	3.66e-04	0.0	23.0	-2893.15	-205.39	-268.62	-0.91	-3245.98	
3865.71						46.0	-2879.05	-205.39	-268.62	-0.91	-9424.16	-
858.36												
68	81	8589.77	2932.19	1.93e-03	0.0	0.0	-2907.25	-205.39	-268.62	-0.91	2932.19	
8589.77		-858.36	-9424.16	3.66e-04	0.0	23.0	-2893.15	-205.39	-268.62	-0.91	-3245.98	
3865.71						46.0	-2879.05	-205.39	-268.62	-0.91	-9424.16	-
858.36												
68	82	8589.77	2932.19	1.93e-03	0.0	0.0	-2907.25	-205.39	-268.62	-0.91	2932.19	
8589.77		-858.36	-9424.16	3.66e-04	0.0	23.0	-2893.15	-205.39	-268.62	-0.91	-3245.98	
3865.71						46.0	-2879.05	-205.39	-268.62	-0.91	-9424.16	-
858.36												
69	1	-1973.46	-1.230e+04	1.06e-03	0.0	0.0	-3584.71	13.47	-708.57	0.46	-1.230e+04	-
2215.92		-2215.92	-2.506e+04	-1.20e-03	0.0	9.0	-3577.54	13.47	-708.57	0.46	-1.868e+04	-
2094.69						18.0	-3570.37	13.47	-708.57	0.46	-2.506e+04	-
1973.46												
69	2	-1518.04	-9462.56	8.12e-04	0.0	0.0	-2757.47	10.36	-545.05	0.35	-9462.56	-
1704.55		-1704.55	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	10.36	-545.05	0.35	-1.437e+04	-
1611.30						18.0	-2746.43	10.36	-545.05	0.35	-1.927e+04	-
1518.04												
69	11	-1518.04	-9462.56	8.12e-04	0.0	0.0	-2757.47	10.36	-545.05	0.35	-9462.56	-
1704.55												

1611.30			-1704.55	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	10.36	-545.05	0.35	-1.437e+04	-	
								18.0	-2746.43	10.36	-545.05	0.35	-1.927e+04	-
1518.04														
69	29		-1009.54	-9439.81	7.73e-04	0.0	0.0	-2762.36	44.58	-549.18	0.41	-9439.81	-	
1812.05														
			-1812.05	-1.933e+04	-8.85e-04	0.0	9.0	-2756.84	44.58	-549.18	0.41	-1.438e+04	-	
1410.79														
								18.0	-2751.32	44.58	-549.18	0.41	-1.933e+04	-
1009.54														
69	30		-1597.06	-9485.30	8.51e-04	0.0	0.0	-2752.58	-23.86	-540.93	0.29	-9485.30	-	
1597.06														
			-2026.54	-1.922e+04	-9.69e-04	0.0	9.0	-2747.07	-23.86	-540.93	0.29	-1.435e+04	-	
1811.80														
								18.0	-2741.55	-23.86	-540.93	0.29	-1.922e+04	-
2026.54														
69	33		-1291.38	-9348.01	7.92e-04	0.0	0.0	-2763.17	25.75	-565.78	-0.24	-9348.01	-	
1755.18														
			-1755.18	-1.953e+04	-7.30e-04	0.0	9.0	-2757.65	25.75	-565.78	-0.24	-1.444e+04	-	
1523.28														
								18.0	-2752.13	25.75	-565.78	-0.24	-1.953e+04	-
1291.38														
69	34		-1653.93	-9577.11	8.31e-04	0.0	0.0	-2751.77	-5.03	-524.33	0.94	-9577.11	-	
1653.93														
			-1744.70	-1.902e+04	-1.12e-03	0.0	9.0	-2746.26	-5.03	-524.33	0.94	-1.430e+04	-	
1699.32														
								18.0	-2740.74	-5.03	-524.33	0.94	-1.902e+04	-
1744.70														
69	37		-1281.84	-9345.95	7.91e-04	0.0	0.0	-2763.16	26.44	-566.18	-0.20	-9345.95	-	
1758.06														
			-1758.06	-1.954e+04	-7.25e-04	0.0	9.0	-2757.65	26.44	-566.18	-0.20	-1.444e+04	-	
1519.95														
								18.0	-2752.13	26.44	-566.18	-0.20	-1.954e+04	-
1281.84														
69	61		-1220.26	-9448.06	7.89e-04	0.0	0.0	-2760.39	30.40	-547.68	0.38	-9448.06	-	
1767.56														
			-1767.56	-1.931e+04	-9.00e-04	0.0	9.0	-2754.87	30.40	-547.68	0.38	-1.438e+04	-	
1493.91														
								18.0	-2749.35	30.40	-547.68	0.38	-1.931e+04	-
1220.26														
69	62		-1641.55	-9477.06	8.34e-04	0.0	0.0	-2754.56	-9.68	-542.43	0.32	-9477.06	-	
1641.55														
			-1815.83	-1.924e+04	-9.53e-04	0.0	9.0	-2749.04	-9.68	-542.43	0.32	-1.436e+04	-	
1728.69														
								18.0	-2743.52	-9.68	-542.43	0.32	-1.924e+04	-
1815.83														
69	69		-1377.87	-9385.27	7.99e-04	0.0	0.0	-2761.15	19.90	-559.05	-8.47e-03	-9385.27	-	
1736.26														
			-1736.26	-1.945e+04	-7.93e-04	0.0	9.0	-2755.63	19.90	-559.05	-8.47e-03	-1.442e+04	-	
1557.07														
								18.0	-2750.11	19.90	-559.05	-8.47e-03	-1.945e+04	-
1377.87														
69	70		-1658.21	-9539.84	8.24e-04	0.0	0.0	-2753.79	0.82	-531.05	0.71	-9539.84	-	
1672.84														
			-1672.84	-1.910e+04	-1.06e-03	0.0	9.0	-2748.27	0.82	-531.05	0.71	-1.432e+04	-	
1665.53														
								18.0	-2742.76	0.82	-531.05	0.71	-1.910e+04	-
1658.21														
69	80		-1518.04	-9462.56	8.12e-04	0.0	0.0	-2757.47	10.36	-545.05	0.35	-9462.56	-	
1704.55														
			-1704.55	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	10.36	-545.05	0.35	-1.437e+04	-	
1611.30														
								18.0	-2746.43	10.36	-545.05	0.35	-1.927e+04	-
1518.04														
69	81		-1518.04	-9462.56	8.12e-04	0.0	0.0	-2757.47	10.36	-545.05	0.35	-9462.56	-	
1704.55														
			-1704.55	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	10.36	-545.05	0.35	-1.437e+04	-	
1611.30														
								18.0	-2746.43	10.36	-545.05	0.35	-1.927e+04	-
1518.04														
69	82		-1518.04	-9462.56	8.12e-04	0.0	0.0	-2757.47	10.36	-545.05	0.35	-9462.56	-	
1704.55														
			-1704.55	-1.927e+04	-9.27e-04	0.0	9.0	-2751.95	10.36	-545.05	0.35	-1.437e+04	-	
1611.30														
								18.0	-2746.43	10.36	-545.05	0.35	-1.927e+04	-
1518.04														

70	1	1.256e+04	-779.47	8.82e-04	0.0	0.0	-3642.37	104.29	-7.99	-1.13	-779.47
8497.31		8497.31	-1091.27	-3.92e-04	0.0	19.5	-3626.83	104.29	-7.99	-1.13	-935.37
1.053e+04						39.0	-3611.29	104.29	-7.99	-1.13	-1091.27
1.256e+04	2	9665.04	-599.59	6.79e-04	0.0	0.0	-2801.83	80.22	-6.15	-0.87	-599.59
70		6536.39	-839.44	-3.01e-04	0.0	19.5	-2789.87	80.22	-6.15	-0.87	-719.51
6536.39						39.0	-2777.92	80.22	-6.15	-0.87	-839.44
8100.72											
9665.04	11	9665.04	-599.59	6.79e-04	0.0	0.0	-2801.83	80.22	-6.15	-0.87	-599.59
70		6536.39	-839.44	-3.01e-04	0.0	19.5	-2789.87	80.22	-6.15	-0.87	-719.51
6536.39						39.0	-2777.92	80.22	-6.15	-0.87	-839.44
8100.72											
9665.04	28	1.382e+04	-414.08	-1.49e-04	0.0	0.0	-2818.76	119.24	-2.27	-4.31	-414.08
70		9169.46	-502.51	-4.66e-04	0.0	19.5	-2806.80	119.24	-2.27	-4.31	-458.29
9169.46						39.0	-2794.85	119.24	-2.27	-4.31	-502.51
1.149e+04											
1.382e+04	31	5510.09	-785.11	1.29e-03	0.0	0.0	-2784.89	41.20	-10.03	2.56	-785.11
70		3903.33	-1176.36	-1.37e-04	0.0	19.5	-2772.94	41.20	-10.03	2.56	-980.74
3903.33						39.0	-2760.98	41.20	-10.03	2.56	-1176.36
4706.71											
5510.09	36	1.027e+04	2597.55	5.56e-04	0.0	0.0	-2854.75	86.07	33.04	-7.12	1308.96
70		6912.33	1308.96	-1.90e-03	0.0	19.5	-2842.79	86.07	33.04	-7.12	1953.26
6912.33						39.0	-2830.84	86.07	33.04	-7.12	2597.55
8590.76											
1.027e+04	37	1.144e+04	-2567.99	4.45e-04	0.0	0.0	-2754.14	96.77	-46.56	4.49	-2567.99
70		7667.92	-4383.82	1.35e-03	0.0	19.5	-2742.18	96.77	-46.56	4.49	-3475.91
7667.92						39.0	-2730.23	96.77	-46.56	4.49	-4383.82
9554.86											
1.144e+04	38	7888.28	2704.95	9.13e-04	0.0	0.0	-2849.51	63.68	34.26	-6.23	1368.81
70		5404.86	1368.81	-1.95e-03	0.0	19.5	-2837.56	63.68	34.26	-6.23	2036.88
5404.86						39.0	-2825.60	63.68	34.26	-6.23	2704.95
6646.57											
7888.28	39	9060.89	-2508.15	8.02e-04	0.0	0.0	-2748.90	74.37	-45.34	5.38	-2508.15
70		6160.46	-4276.42	1.30e-03	0.0	19.5	-2736.95	74.37	-45.34	5.38	-3392.29
6160.46						39.0	-2724.99	74.37	-45.34	5.38	-4276.42
7610.67											
9060.89	60	1.210e+04	-477.80	3.22e-04	0.0	0.0	-2812.16	103.05	-3.60	-3.01	-477.80
70		8077.26	-618.25	-4.10e-04	0.0	19.5	-2800.20	103.05	-3.60	-3.01	-548.02
8077.26						39.0	-2788.25	103.05	-3.60	-3.01	-618.25
1.009e+04											
1.210e+04	63	7233.87	-721.38	1.04e-03	0.0	0.0	-2791.50	57.39	-8.70	1.27	-721.38
70		4995.53	-1060.63	-1.93e-04	0.0	19.5	-2779.54	57.39	-8.70	1.27	-891.01
4995.53						39.0	-2767.59	57.39	-8.70	1.27	-1060.63
6114.70											
7233.87	68	9979.59	1443.59	6.11e-04	0.0	0.0	-2836.71	83.29	19.88	-4.74	668.18
70		6731.41	668.18	-1.36e-03	0.0	19.5	-2824.76	83.29	19.88	-4.74	1055.89
6731.41						39.0	-2812.80	83.29	19.88	-4.74	1443.59
8355.50											
9979.59	69	1.074e+04	-1903.30	5.39e-04	0.0	0.0	-2769.99	90.19	-32.91	2.48	-1903.30
70		7218.43	-3186.97	7.90e-04	0.0	19.5	-2758.03	90.19	-32.91	2.48	-2545.13
7218.43											
8977.08											

						39.0	-2746.07	90.19	-32.91	2.48	-3186.97
1.074e+04											
70	70	8594.35	1508.09	8.19e-04	0.0	0.0	-2833.67	70.26	20.61	-4.23	704.11
5854.35		5854.35	704.11	-1.39e-03	0.0	19.5	-2821.71	70.26	20.61	-4.23	1106.10
7224.35											
						39.0	-2809.76	70.26	20.61	-4.23	1508.09
8594.35											
70	71	9350.49	-1867.36	7.47e-04	0.0	0.0	-2766.94	77.16	-32.18	3.00	-1867.36
6341.37		6341.37	-3122.47	7.61e-04	0.0	19.5	-2754.98	77.16	-32.18	3.00	-2494.92
7845.93											
						39.0	-2743.03	77.16	-32.18	3.00	-3122.47
9350.49											
70	80	9665.04	-599.59	6.79e-04	0.0	0.0	-2801.83	80.22	-6.15	-0.87	-599.59
6536.39		6536.39	-839.44	-3.01e-04	0.0	19.5	-2789.87	80.22	-6.15	-0.87	-719.51
8100.72											
						39.0	-2777.92	80.22	-6.15	-0.87	-839.44
9665.04											
70	81	9665.04	-599.59	6.79e-04	0.0	0.0	-2801.83	80.22	-6.15	-0.87	-599.59
6536.39		6536.39	-839.44	-3.01e-04	0.0	19.5	-2789.87	80.22	-6.15	-0.87	-719.51
8100.72											
						39.0	-2777.92	80.22	-6.15	-0.87	-839.44
9665.04											
70	82	9665.04	-599.59	6.79e-04	0.0	0.0	-2801.83	80.22	-6.15	-0.87	-599.59
6536.39		6536.39	-839.44	-3.01e-04	0.0	19.5	-2789.87	80.22	-6.15	-0.87	-719.51
8100.72											
						39.0	-2777.92	80.22	-6.15	-0.87	-839.44
9665.04											
71	1	1.117e+04	1.225e+04	2.51e-03	0.0	0.0	-3779.43	-267.01	349.20	1.19	-3811.85
1.117e+04		-1115.86	-3811.85	-4.76e-04	0.0	23.0	-3761.10	-267.01	349.20	1.19	4219.78
5025.42											
						46.0	-3742.77	-267.01	349.20	1.19	1.225e+04
1115.86											
71	2	8589.77	9424.16	1.93e-03	0.0	0.0	-2907.25	-205.39	268.62	0.91	-2932.19
8589.77		-858.36	-2932.19	-3.66e-04	0.0	23.0	-2893.15	-205.39	268.62	0.91	3245.98
3865.71											
						46.0	-2879.05	-205.39	268.62	0.91	9424.16
858.36											
71	11	8589.77	9424.16	1.93e-03	0.0	0.0	-2907.25	-205.39	268.62	0.91	-2932.19
8589.77		-858.36	-2932.19	-3.66e-04	0.0	23.0	-2893.15	-205.39	268.62	0.91	3245.98
3865.71											
						46.0	-2879.05	-205.39	268.62	0.91	9424.16
858.36											
71	28	1.215e+04	9440.45	1.70e-03	0.0	0.0	-2910.70	-277.94	262.81	1.04	-2648.59
1.215e+04		-631.19	-2648.59	-4.35e-04	0.0	23.0	-2896.60	-277.94	262.81	1.04	3395.93
5761.51											
						46.0	-2882.50	-277.94	262.81	1.04	9440.45
631.19											
71	31	5025.33	9407.88	2.16e-03	0.0	0.0	-2903.81	-132.84	274.43	0.79	-3215.80
5025.33		-1085.52	-3215.80	-2.98e-04	0.0	23.0	-2889.71	-132.84	274.43	0.79	3096.04
1969.91											
						46.0	-2875.60	-132.84	274.43	0.79	9407.88
1085.52											
71	33	9802.48	9266.79	1.88e-03	0.0	0.0	-2877.47	-230.01	327.78	1.16	-5810.98
9802.48		-777.74	-5810.98	5.52e-04	0.0	23.0	-2863.37	-230.01	327.78	1.16	1727.90
4512.37											
						46.0	-2849.27	-230.01	327.78	1.16	9266.79
777.74											
71	34	7377.06	9581.54	1.98e-03	0.0	0.0	-2937.04	-180.78	209.46	0.67	-53.41
7377.06		-938.97	-53.41	-1.03e-03	0.0	23.0	-2922.94	-180.78	209.46	0.67	4764.06
3219.04											
						46.0	-2908.84	-180.78	209.46	0.67	9581.54
938.97											
71	37	1.012e+04	9262.85	1.86e-03	0.0	0.0	-2877.57	-236.43	329.40	1.15	-5889.59
1.012e+04											

4678.67		-759.04	-5889.59	5.72e-04	0.0	23.0	-2863.47	-236.43	329.40	1.15	1686.63	
						46.0	-2849.37	-236.43	329.40	1.15	9262.85	-
759.04												
71	38	7063.16	9585.47	2.00e-03	0.0	0.0	-2936.94	-174.36	207.83	0.67	25.21	
7063.16												
		-957.67	25.21	-1.05e-03	0.0	23.0	-2922.84	-174.36	207.83	0.67	4805.34	
3052.74						46.0	-2908.74	-174.36	207.83	0.67	9585.47	-
957.67												
71	60	1.068e+04	9434.81	1.79e-03	0.0	0.0	-2909.47	-247.85	264.80	0.98	-2746.12	
1.068e+04												
		-725.40	-2746.12	-4.12e-04	0.0	23.0	-2895.37	-247.85	264.80	0.98	3344.34	
4975.06						46.0	-2881.27	-247.85	264.80	0.98	9434.81	-
725.40												
71	63	6504.03	9413.51	2.06e-03	0.0	0.0	-2905.04	-162.94	272.43	0.85	-3118.26	
6504.03												
		-991.31	-3118.26	-3.20e-04	0.0	23.0	-2890.94	-162.94	272.43	0.85	3147.62	
2756.36						46.0	-2876.84	-162.94	272.43	0.85	9413.51	-
991.31												
71	65	9312.38	9319.66	1.90e-03	0.0	0.0	-2887.54	-220.06	307.91	1.07	-4844.25	
9312.38												
		-810.13	-4844.25	2.93e-04	0.0	23.0	-2873.44	-220.06	307.91	1.07	2237.70	
4251.12						46.0	-2859.34	-220.06	307.91	1.07	9319.66	-
810.13												
71	66	7867.16	9528.66	1.96e-03	0.0	0.0	-2926.97	-190.73	229.32	0.76	-1020.13	
7867.16												
		-906.58	-1020.13	-7.94e-04	0.0	23.0	-2912.87	-190.73	229.32	0.76	4254.27	
3480.29						46.0	-2898.77	-190.73	229.32	0.76	9528.66	-
906.58												
71	69	9509.74	9317.30	1.89e-03	0.0	0.0	-2887.58	-224.09	308.88	1.07	-4891.00	
9509.74												
		-798.29	-4891.00	3.05e-04	0.0	23.0	-2873.48	-224.09	308.88	1.07	2213.15	
4355.73						46.0	-2859.38	-224.09	308.88	1.07	9317.30	-
798.29												
71	70	7669.80	9531.02	1.97e-03	0.0	0.0	-2926.93	-186.70	228.36	0.76	-973.39	
7669.80												
		-918.42	-973.39	-8.04e-04	0.0	23.0	-2912.83	-186.70	228.36	0.76	4278.81	
3375.69						46.0	-2898.73	-186.70	228.36	0.76	9531.02	-
918.42												
71	80	8589.77	9424.16	1.93e-03	0.0	0.0	-2907.25	-205.39	268.62	0.91	-2932.19	
8589.77												
		-858.36	-2932.19	-3.66e-04	0.0	23.0	-2893.15	-205.39	268.62	0.91	3245.98	
3865.71						46.0	-2879.05	-205.39	268.62	0.91	9424.16	-
858.36												
71	81	8589.77	9424.16	1.93e-03	0.0	0.0	-2907.25	-205.39	268.62	0.91	-2932.19	
8589.77												
		-858.36	-2932.19	-3.66e-04	0.0	23.0	-2893.15	-205.39	268.62	0.91	3245.98	
3865.71						46.0	-2879.05	-205.39	268.62	0.91	9424.16	-
858.36												
71	82	8589.77	9424.16	1.93e-03	0.0	0.0	-2907.25	-205.39	268.62	0.91	-2932.19	
8589.77												
		-858.36	-2932.19	-3.66e-04	0.0	23.0	-2893.15	-205.39	268.62	0.91	3245.98	
3865.71						46.0	-2879.05	-205.39	268.62	0.91	9424.16	-
858.36												
72	1	-1973.46	2.506e+04	1.06e-03	0.0	0.0	-3584.71	13.47	708.57	-0.46	1.230e+04	-
2215.92												
		-2215.92	1.230e+04	1.20e-03	0.0	9.0	-3577.54	13.47	708.57	-0.46	1.868e+04	-
2094.69						18.0	-3570.37	13.47	708.57	-0.46	2.506e+04	-
1973.46												
72	2	-1518.04	1.927e+04	8.12e-04	0.0	0.0	-2757.47	10.36	545.05	-0.35	9462.56	-
1704.55												
		-1704.55	9462.56	9.27e-04	0.0	9.0	-2751.95	10.36	545.05	-0.35	1.437e+04	-
1611.30						18.0	-2746.43	10.36	545.05	-0.35	1.927e+04	-
1518.04												

72	11	-1518.04	1.927e+04	8.12e-04	0.0	0.0	-2757.47	10.36	545.05	-0.35	9462.56	-	
1704.55		-1704.55	9462.56	9.27e-04	0.0	9.0	-2751.95	10.36	545.05	-0.35	1.437e+04	-	
1611.30							18.0	-2746.43	10.36	545.05	-0.35	1.927e+04	-
1518.04	28	-949.35	1.930e+04	7.69e-04	0.0	0.0	-2763.02	48.42	547.55	-0.30	9448.17	-	
72		-1821.04	9448.17	9.04e-04	0.0	9.0	-2757.50	48.42	547.55	-0.30	1.438e+04	-	
1821.04							18.0	-2751.98	48.42	547.55	-0.30	1.930e+04	-
1385.20													
949.35	31	-1588.06	1.924e+04	8.55e-04	0.0	0.0	-2751.92	-27.70	542.55	-0.40	9476.94	-	
72		-2086.74	9476.94	9.50e-04	0.0	9.0	-2746.41	-27.70	542.55	-0.40	1.436e+04	-	
1588.06							18.0	-2740.89	-27.70	542.55	-0.40	1.924e+04	-
1837.40													
2086.74	36	-1263.71	1.953e+04	7.90e-04	0.0	0.0	-2763.37	27.60	565.69	0.24	9348.45	-	
72		-1760.78	9348.45	7.31e-04	0.0	9.0	-2757.86	27.60	565.69	0.24	1.444e+04	-	
1760.78							18.0	-2752.34	27.60	565.69	0.24	1.953e+04	-
1512.24													
1263.71	38	-1586.68	1.954e+04	8.18e-04	0.0	0.0	-2760.68	6.03	566.18	0.27	9345.93	-	
72		-1695.44	9345.93	7.25e-04	0.0	9.0	-2755.17	6.03	566.18	0.27	1.444e+04	-	
1695.44							18.0	-2749.65	6.03	566.18	0.27	1.954e+04	-
1641.06													
1586.68	39	-1648.33	1.902e+04	8.33e-04	0.0	0.0	-2751.57	-6.88	524.41	-0.94	9576.66	-	
72		-1772.38	9576.66	1.12e-03	0.0	9.0	-2746.05	-6.88	524.41	-0.94	1.430e+04	-	
1648.33							18.0	-2740.53	-6.88	524.41	-0.94	1.902e+04	-
1710.36													
1772.38	60	-1184.88	1.929e+04	7.87e-04	0.0	0.0	-2760.76	32.66	546.68	-0.32	9453.22	-	
72		-1772.88	9453.22	9.12e-04	0.0	9.0	-2755.25	32.66	546.68	-0.32	1.437e+04	-	
1772.88							18.0	-2749.73	32.66	546.68	-0.32	1.929e+04	-
1478.88													
1184.88	63	-1636.23	1.925e+04	8.36e-04	0.0	0.0	-2754.18	-11.94	543.43	-0.38	9471.89	-	
72		-1851.21	9471.89	9.42e-04	0.0	9.0	-2748.66	-11.94	543.43	-0.38	1.436e+04	-	
1636.23							18.0	-2743.14	-11.94	543.43	-0.38	1.925e+04	-
1743.72													
1851.21	68	-1367.21	1.944e+04	7.99e-04	0.0	0.0	-2761.27	20.58	558.76	0.03	9386.82	-	
72		-1737.87	9386.82	7.97e-04	0.0	9.0	-2755.75	20.58	558.76	0.03	1.442e+04	-	
1737.87							18.0	-2750.24	20.58	558.76	0.03	1.944e+04	-
1552.54													
1367.21	70	-1555.13	1.945e+04	8.15e-04	0.0	0.0	-2759.71	8.03	559.06	0.05	9385.27	-	
72		-1699.85	9385.27	7.93e-04	0.0	9.0	-2754.19	8.03	559.06	0.05	1.442e+04	-	
1699.85							18.0	-2748.67	8.03	559.06	0.05	1.945e+04	-
1627.49													
1555.13	71	-1668.88	1.910e+04	8.25e-04	0.0	0.0	-2753.67	0.14	531.35	-0.73	9538.29	-	
72		-1671.24	9538.29	1.06e-03	0.0	9.0	-2748.15	0.14	531.35	-0.73	1.432e+04	-	
1671.24							18.0	-2742.63	0.14	531.35	-0.73	1.910e+04	-
1670.06													
1668.88	80	-1518.04	1.927e+04	8.12e-04	0.0	0.0	-2757.47	10.36	545.05	-0.35	9462.56	-	
72		-1704.55	9462.56	9.27e-04	0.0	9.0	-2751.95	10.36	545.05	-0.35	1.437e+04	-	
1704.55							18.0	-2746.43	10.36	545.05	-0.35	1.927e+04	-
1611.30													
1518.04	81	-1518.04	1.927e+04	8.12e-04	0.0	0.0	-2757.47	10.36	545.05	-0.35	9462.56	-	
72		-1704.55	9462.56	9.27e-04	0.0	9.0	-2751.95	10.36	545.05	-0.35	1.437e+04	-	
1704.55													
1611.30													

1518.04						18.0	-2746.43	10.36	545.05	-0.35	1.927e+04	-
72	82	-1518.04	1.927e+04	8.12e-04	0.0	0.0	-2757.47	10.36	545.05	-0.35	9462.56	-
1704.55		-1704.55	9462.56	9.27e-04	0.0	9.0	-2751.95	10.36	545.05	-0.35	1.437e+04	-
1611.30						18.0	-2746.43	10.36	545.05	-0.35	1.927e+04	-
1518.04												
73	1	1.712e+04	1184.99	1.01e-03	0.0	0.0	-2849.95	143.07	8.82	2.24	841.17	
1.154e+04		1.154e+04	841.17	3.98e-04	0.0	19.5	-2834.41	143.07	8.82	2.24	1013.08	
1.433e+04						39.0	-2818.87	143.07	8.82	2.24	1184.99	
1.712e+04												
73	2	1.317e+04	911.53	7.76e-04	0.0	0.0	-2192.27	110.06	6.78	1.72	647.05	
8877.02		8877.02	647.05	3.06e-04	0.0	19.5	-2180.32	110.06	6.78	1.72	779.29	
1.102e+04						39.0	-2168.36	110.06	6.78	1.72	911.53	
1.317e+04												
73	11	1.317e+04	911.53	7.76e-04	0.0	0.0	-2192.27	110.06	6.78	1.72	647.05	
8877.02		8877.02	647.05	3.06e-04	0.0	19.5	-2180.32	110.06	6.78	1.72	779.29	
1.102e+04						39.0	-2168.36	110.06	6.78	1.72	911.53	
1.317e+04												
73	21	1.660e+04	679.62	-1.67e-04	0.0	0.0	-2233.65	143.07	4.08	5.42	520.79	
1.102e+04		1.102e+04	520.79	4.26e-04	0.0	19.5	-2221.70	143.07	4.08	5.42	600.20	
1.381e+04						39.0	-2209.74	143.07	4.08	5.42	679.62	
1.660e+04												
73	22	9742.52	1143.45	1.45e-03	0.0	0.0	-2150.89	77.04	9.49	-1.98	773.31	
6738.04		6738.04	773.31	1.87e-04	0.0	19.5	-2138.94	77.04	9.49	-1.98	958.38	
8240.28						39.0	-2126.98	77.04	9.49	-1.98	1143.45	
9742.52												
73	32	1.461e+04	4494.01	5.16e-04	0.0	0.0	-2152.47	123.85	47.62	7.06	2636.71	
9782.81		9782.81	2636.71	-1.36e-03	0.0	19.5	-2140.52	123.85	47.62	7.06	3565.36	
1.220e+04						39.0	-2128.56	123.85	47.62	7.06	4494.01	
1.461e+04												
73	33	1.369e+04	-1282.48	6.45e-04	0.0	0.0	-2252.78	115.23	-32.85	-2.28	-1282.48	
9196.65		9196.65	-2563.78	1.92e-03	0.0	19.5	-2240.82	115.23	-32.85	-2.28	-1923.13	
1.144e+04						39.0	-2228.87	115.23	-32.85	-2.28	-2563.78	
1.369e+04												
73	34	1.265e+04	4386.84	9.07e-04	0.0	0.0	-2131.77	104.88	46.42	5.72	2576.58	
8557.40		8557.40	2576.58	-1.31e-03	0.0	19.5	-2119.81	104.88	46.42	5.72	3481.71	
1.060e+04						39.0	-2107.86	104.88	46.42	5.72	4386.84	
1.265e+04												
73	35	1.173e+04	-1342.61	1.04e-03	0.0	0.0	-2232.07	96.26	-34.06	-3.62	-1342.61	
7971.23		7971.23	-2670.95	1.97e-03	0.0	19.5	-2220.12	96.26	-34.06	-3.62	-2006.78	
9848.42						39.0	-2208.16	96.26	-34.06	-3.62	-2670.95	
1.173e+04												
73	53	1.517e+04	764.74	3.84e-04	0.0	0.0	-2216.67	129.37	5.07	3.98	567.13	
1.013e+04		1.013e+04	567.13	3.82e-04	0.0	19.5	-2204.71	129.37	5.07	3.98	665.94	
1.265e+04						39.0	-2192.76	129.37	5.07	3.98	764.74	
1.517e+04												
73	54	1.116e+04	1058.32	1.17e-03	0.0	0.0	-2167.87	90.74	8.49	-0.54	726.97	
7625.30		7625.30	726.97	2.31e-04	0.0	19.5	-2155.92	90.74	8.49	-0.54	892.64	
9394.76						39.0	-2143.96	90.74	8.49	-0.54	1058.32	
1.116e+04												
73	64	1.404e+04	3281.24	6.20e-04	0.0	0.0	-2165.04	118.35	33.80	5.05	1963.05	
9421.85												

1.173e+04		9421.85	1963.05	-7.96e-04	0.0	19.5	-2153.09	118.35	33.80	5.05	2622.15
1.404e+04						39.0	-2141.13	118.35	33.80	5.05	3281.24
73	65	1.344e+04	-632.29	7.04e-04	0.0	0.0	-2231.53	112.80	-19.50	-0.84	-632.29
9045.15											
		9045.15	-1392.77	1.38e-03	0.0	19.5	-2219.58	112.80	-19.50	-0.84	-1012.53
1.124e+04											
						39.0	-2207.62	112.80	-19.50	-0.84	-1392.77
1.344e+04											
73	66	1.289e+04	3215.83	8.48e-04	0.0	0.0	-2153.01	107.31	33.06	4.28	1926.39
8708.89											
		8708.89	1926.39	-7.67e-04	0.0	19.5	-2141.06	107.31	33.06	4.28	2571.11
1.080e+04											
						39.0	-2129.10	107.31	33.06	4.28	3215.83
1.289e+04											
73	67	1.230e+04	-668.95	9.32e-04	0.0	0.0	-2219.50	101.76	-20.24	-1.61	-668.95
8332.20											
		8332.20	-1458.18	1.41e-03	0.0	19.5	-2207.55	101.76	-20.24	-1.61	-1063.57
1.032e+04											
						39.0	-2195.59	101.76	-20.24	-1.61	-1458.18
1.230e+04											
73	80	1.317e+04	911.53	7.76e-04	0.0	0.0	-2192.27	110.06	6.78	1.72	647.05
8877.02											
		8877.02	647.05	3.06e-04	0.0	19.5	-2180.32	110.06	6.78	1.72	779.29
1.102e+04											
						39.0	-2168.36	110.06	6.78	1.72	911.53
1.317e+04											
73	81	1.317e+04	911.53	7.76e-04	0.0	0.0	-2192.27	110.06	6.78	1.72	647.05
8877.02											
		8877.02	647.05	3.06e-04	0.0	19.5	-2180.32	110.06	6.78	1.72	779.29
1.102e+04											
						39.0	-2168.36	110.06	6.78	1.72	911.53
1.317e+04											
73	82	1.317e+04	911.53	7.76e-04	0.0	0.0	-2192.27	110.06	6.78	1.72	647.05
8877.02											
		8877.02	647.05	3.06e-04	0.0	19.5	-2180.32	110.06	6.78	1.72	779.29
1.102e+04											
						39.0	-2168.36	110.06	6.78	1.72	911.53
1.317e+04											
74	1	1.509e+04	3861.68	3.59e-03	0.0	0.0	-2758.24	30.03	-351.72	-4.05	3861.68
1.371e+04											
		1.371e+04	-1.232e+04	4.98e-04	0.0	23.0	-2739.90	30.03	-351.72	-4.05	-4227.92
1.440e+04											
						46.0	-2721.57	30.03	-351.72	-4.05	-1.232e+04
1.509e+04											
74	2	1.161e+04	2970.52	2.76e-03	0.0	0.0	-2121.72	23.10	-270.56	-3.12	2970.52
1.054e+04											
		1.054e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	23.10	-270.56	-3.12	-3252.25
1.108e+04											
						46.0	-2093.52	23.10	-270.56	-3.12	-9475.02
1.161e+04											
74	11	1.161e+04	2970.52	2.76e-03	0.0	0.0	-2121.72	23.10	-270.56	-3.12	2970.52
1.054e+04											
		1.054e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	23.10	-270.56	-3.12	-3252.25
1.108e+04											
						46.0	-2093.52	23.10	-270.56	-3.12	-9475.02
1.161e+04											
74	21	1.365e+04	2774.71	2.40e-03	0.0	0.0	-2140.21	-25.13	-266.54	-3.09	2774.71
1.365e+04											
		1.250e+04	-9486.06	4.35e-04	0.0	23.0	-2126.11	-25.13	-266.54	-3.09	-3355.68
1.307e+04											
						46.0	-2112.01	-25.13	-266.54	-3.09	-9486.06
1.250e+04											
74	22	1.072e+04	3166.33	3.12e-03	0.0	0.0	-2103.23	71.33	-274.57	-3.15	3166.33
7436.27											
		7436.27	-9463.97	3.31e-04	0.0	23.0	-2089.13	71.33	-274.57	-3.15	-3148.82
9076.91											
						46.0	-2075.03	71.33	-274.57	-3.15	-9463.97
1.072e+04											
74	32	1.198e+04	5979.79	2.63e-03	0.0	0.0	-2097.65	2.77	-332.34	-4.24	5979.79
1.186e+04											
		1.186e+04	-9307.92	-5.56e-04	0.0	23.0	-2083.55	2.77	-332.34	-4.24	-1664.06
1.192e+04											
						46.0	-2069.45	2.77	-332.34	-4.24	-9307.92
1.198e+04											

74	33	1.174e+04	51.10	2.67e-03	0.0	0.0	-2154.58	15.78	-210.61	-2.08	51.10
1.101e+04		1.101e+04	-9637.14	1.05e-03	0.0	23.0	-2140.48	15.78	-210.61	-2.08	-4793.02
1.138e+04						46.0	-2126.38	15.78	-210.61	-2.08	-9637.14
1.174e+04	34	1.147e+04	5889.94	2.85e-03	0.0	0.0	-2088.85	30.42	-330.50	-4.16	5889.94
1.007e+04		1.007e+04	-9312.90	-5.33e-04	0.0	23.0	-2074.75	30.42	-330.50	-4.16	-1711.48
1.077e+04						46.0	-2060.65	30.42	-330.50	-4.16	-9312.90
1.147e+04	35	1.123e+04	-38.75	2.88e-03	0.0	0.0	-2145.79	43.44	-208.77	-2.00	-38.75
9231.43		9231.43	-9642.11	1.07e-03	0.0	23.0	-2131.69	43.44	-208.77	-2.00	-4840.43
1.023e+04						46.0	-2117.59	43.44	-208.77	-2.00	-9642.11
1.123e+04	53	1.236e+04	2846.63	2.55e-03	0.0	0.0	-2132.64	-5.12	-268.01	-3.09	2846.63
1.236e+04		1.213e+04	-9482.00	4.16e-04	0.0	23.0	-2118.54	-5.12	-268.01	-3.09	-3317.68
1.224e+04						46.0	-2104.44	-5.12	-268.01	-3.09	-9482.00
1.213e+04	54	1.109e+04	3094.41	2.97e-03	0.0	0.0	-2110.80	51.32	-273.10	-3.14	3094.41
8725.56		8725.56	-9468.04	3.50e-04	0.0	23.0	-2096.69	51.32	-273.10	-3.14	-3186.82
9905.98						46.0	-2082.59	51.32	-273.10	-3.14	-9468.04
1.109e+04	64	1.183e+04	4961.15	2.69e-03	0.0	0.0	-2105.40	10.87	-311.43	-3.86	4961.15
1.133e+04		1.133e+04	-9364.47	-2.86e-04	0.0	23.0	-2091.30	10.87	-311.43	-3.86	-2201.66
1.158e+04						46.0	-2077.20	10.87	-311.43	-3.86	-9364.47
1.183e+04	65	1.168e+04	1034.76	2.71e-03	0.0	0.0	-2143.14	19.24	-230.81	-2.42	1034.76
1.079e+04		1.079e+04	-9582.52	8.15e-04	0.0	23.0	-2129.04	19.24	-230.81	-2.42	-4273.88
1.123e+04						46.0	-2114.94	19.24	-230.81	-2.42	-9582.52
1.168e+04	66	1.154e+04	4906.28	2.81e-03	0.0	0.0	-2100.29	26.96	-310.30	-3.81	4906.28
1.030e+04		1.030e+04	-9367.52	-2.73e-04	0.0	23.0	-2086.19	26.96	-310.30	-3.81	-2230.62
1.092e+04						46.0	-2072.09	26.96	-310.30	-3.81	-9367.52
1.154e+04	67	1.138e+04	979.89	2.83e-03	0.0	0.0	-2138.03	35.33	-229.68	-2.38	979.89
9754.51		9754.51	-9585.57	8.27e-04	0.0	23.0	-2123.93	35.33	-229.68	-2.38	-4302.84
1.057e+04						46.0	-2109.83	35.33	-229.68	-2.38	-9585.57
1.138e+04	80	1.161e+04	2970.52	2.76e-03	0.0	0.0	-2121.72	23.10	-270.56	-3.12	2970.52
1.054e+04		1.054e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	23.10	-270.56	-3.12	-3252.25
1.108e+04						46.0	-2093.52	23.10	-270.56	-3.12	-9475.02
1.161e+04	81	1.161e+04	2970.52	2.76e-03	0.0	0.0	-2121.72	23.10	-270.56	-3.12	2970.52
1.054e+04		1.054e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	23.10	-270.56	-3.12	-3252.25
1.108e+04						46.0	-2093.52	23.10	-270.56	-3.12	-9475.02
1.161e+04	82	1.161e+04	2970.52	2.76e-03	0.0	0.0	-2121.72	23.10	-270.56	-3.12	2970.52
1.054e+04		1.054e+04	-9475.02	3.83e-04	0.0	23.0	-2107.62	23.10	-270.56	-3.12	-3252.25
1.108e+04						46.0	-2093.52	23.10	-270.56	-3.12	-9475.02
1.161e+04	75	1 2.622e+04	-1.228e+04	2.15e-03	0.0	0.0	-2427.22	684.85	-713.26	5.18	-1.228e+04
1.389e+04		1.389e+04	-2.511e+04	-1.20e-03	0.0	9.0	-2420.05	684.85	-713.26	5.18	-1.869e+04
2.005e+04											

2.622e+04					18.0	-2412.88	684.85	-713.26	5.18	-2.511e+04	
75	2	2.017e+04	-9442.61	1.66e-03	0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
1.069e+04		1.069e+04	-1.932e+04	-9.21e-04	0.0	9.0	-1861.58	526.81	-548.66	3.98	-1.438e+04
1.543e+04					18.0	-1856.06	526.81	-548.66	3.98	-1.932e+04	
2.017e+04					0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
75	11	2.017e+04	-9442.61	1.66e-03	0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
1.069e+04		1.069e+04	-1.932e+04	-9.21e-04	0.0	9.0	-1861.58	526.81	-548.66	3.98	-1.438e+04
1.543e+04					18.0	-1856.06	526.81	-548.66	3.98	-1.932e+04	
2.017e+04					0.0	0.0	-1871.78	504.66	-550.54	3.73	-9431.92
75	21	2.048e+04	-9431.92	1.58e-03	0.0	0.0	-1871.78	504.66	-550.54	3.73	-9431.92
1.140e+04		1.140e+04	-1.934e+04	-9.03e-04	0.0	9.0	-1866.27	504.66	-550.54	3.73	-1.439e+04
1.594e+04					18.0	-1860.75	504.66	-550.54	3.73	-1.934e+04	
2.048e+04					0.0	0.0	-1862.41	548.96	-546.78	4.23	-9453.30
75	22	1.985e+04	-9453.30	1.73e-03	0.0	0.0	-1862.41	548.96	-546.78	4.23	-9453.30
9974.44		9974.44	-1.930e+04	-9.38e-04	0.0	9.0	-1856.89	548.96	-546.78	4.23	-1.437e+04
1.491e+04					18.0	-1851.37	548.96	-546.78	4.23	-1.930e+04	
1.985e+04					0.0	0.0	-1873.38	525.45	-571.83	3.53	-9308.65
75	33	2.030e+04	-9308.65	1.63e-03	0.0	0.0	-1873.38	525.45	-571.83	3.53	-9308.65
1.079e+04		1.079e+04	-1.960e+04	-7.24e-04	0.0	9.0	-1867.86	525.45	-571.83	3.53	-1.446e+04
1.554e+04					18.0	-1862.34	525.45	-571.83	3.53	-1.960e+04	
2.030e+04					0.0	0.0	-1860.81	528.16	-525.50	4.43	-9576.57
75	34	2.004e+04	-9576.57	1.68e-03	0.0	0.0	-1860.81	528.16	-525.50	4.43	-9576.57
1.058e+04		1.058e+04	-1.904e+04	-1.12e-03	0.0	9.0	-1855.30	528.16	-525.50	4.43	-1.431e+04
1.531e+04					18.0	-1849.78	528.16	-525.50	4.43	-1.904e+04	
2.004e+04					0.0	0.0	-1871.05	538.03	-572.48	3.66	-9304.74
75	35	2.012e+04	-9304.74	1.68e-03	0.0	0.0	-1871.05	538.03	-572.48	3.66	-9304.74
1.038e+04		1.038e+04	-1.961e+04	-7.19e-04	0.0	9.0	-1865.53	538.03	-572.48	3.66	-1.446e+04
1.525e+04					18.0	-1860.01	538.03	-572.48	3.66	-1.961e+04	
2.012e+04					0.0	0.0	-1869.86	513.86	-549.84	3.84	-9435.90
75	53	2.035e+04	-9435.90	1.61e-03	0.0	0.0	-1869.86	513.86	-549.84	3.84	-9435.90
1.110e+04		1.110e+04	-1.933e+04	-9.09e-04	0.0	9.0	-1864.34	513.86	-549.84	3.84	-1.438e+04
1.573e+04					18.0	-1858.82	513.86	-549.84	3.84	-1.933e+04	
2.035e+04					0.0	0.0	-1864.34	539.76	-547.48	4.13	-9449.32
75	54	1.998e+04	-9449.32	1.70e-03	0.0	0.0	-1864.34	539.76	-547.48	4.13	-9449.32
1.027e+04		1.027e+04	-1.930e+04	-9.32e-04	0.0	9.0	-1858.82	539.76	-547.48	4.13	-1.438e+04
1.513e+04					18.0	-1853.30	539.76	-547.48	4.13	-1.930e+04	
1.998e+04					0.0	0.0	-1871.17	526.39	-564.03	3.69	-9353.72
75	65	2.024e+04	-9353.72	1.64e-03	0.0	0.0	-1871.17	526.39	-564.03	3.69	-9353.72
1.074e+04		1.074e+04	-1.951e+04	-7.90e-04	0.0	9.0	-1865.65	526.39	-564.03	3.69	-1.443e+04
1.549e+04					18.0	-1860.13	526.39	-564.03	3.69	-1.951e+04	
2.024e+04					0.0	0.0	-1863.03	527.23	-533.29	4.27	-9531.50
75	66	2.009e+04	-9531.50	1.67e-03	0.0	0.0	-1863.03	527.23	-533.29	4.27	-9531.50
1.063e+04		1.063e+04	-1.913e+04	-1.05e-03	0.0	9.0	-1857.51	527.23	-533.29	4.27	-1.433e+04
1.536e+04					18.0	-1851.99	527.23	-533.29	4.27	-1.913e+04	
2.009e+04					0.0	0.0	-1869.81	533.71	-564.44	3.76	-9351.28
75	67	2.014e+04	-9351.28	1.67e-03	0.0	0.0	-1869.81	533.71	-564.44	3.76	-9351.28
1.050e+04		1.050e+04	-1.951e+04	-7.87e-04	0.0	9.0	-1864.29	533.71	-564.44	3.76	-1.443e+04
1.532e+04					18.0	-1858.78	533.71	-564.44	3.76	-1.951e+04	
2.014e+04					0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
75	80	2.017e+04	-9442.61	1.66e-03	0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
1.069e+04											

1.543e+04		1.069e+04	-1.932e+04	-9.21e-04	0.0	9.0	-1861.58	526.81	-548.66	3.98	-1.438e+04
						18.0	-1856.06	526.81	-548.66	3.98	-1.932e+04
2.017e+04	81	2.017e+04	-9442.61	1.66e-03	0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
1.069e+04		1.069e+04	-1.932e+04	-9.21e-04	0.0	9.0	-1861.58	526.81	-548.66	3.98	-1.438e+04
1.543e+04						18.0	-1856.06	526.81	-548.66	3.98	-1.932e+04
2.017e+04	82	2.017e+04	-9442.61	1.66e-03	0.0	0.0	-1867.10	526.81	-548.66	3.98	-9442.61
1.069e+04		1.069e+04	-1.932e+04	-9.21e-04	0.0	9.0	-1861.58	526.81	-548.66	3.98	-1.438e+04
1.543e+04						18.0	-1856.06	526.81	-548.66	3.98	-1.932e+04
2.017e+04	1	1.712e+04	-841.17	1.01e-03	0.0	0.0	-2849.95	143.07	-8.82	-2.24	-841.17
1.154e+04		1.154e+04	-1184.99	-3.98e-04	0.0	19.5	-2834.41	143.07	-8.82	-2.24	-1013.08
1.433e+04						39.0	-2818.87	143.07	-8.82	-2.24	-1184.99
1.712e+04	2	1.317e+04	-647.05	7.76e-04	0.0	0.0	-2192.27	110.06	-6.78	-1.72	-647.05
8877.02		8877.02	-911.53	-3.06e-04	0.0	19.5	-2180.32	110.06	-6.78	-1.72	-779.29
1.102e+04						39.0	-2168.36	110.06	-6.78	-1.72	-911.53
1.317e+04	11	1.317e+04	-647.05	7.76e-04	0.0	0.0	-2192.27	110.06	-6.78	-1.72	-647.05
8877.02		8877.02	-911.53	-3.06e-04	0.0	19.5	-2180.32	110.06	-6.78	-1.72	-779.29
1.102e+04						39.0	-2168.36	110.06	-6.78	-1.72	-911.53
1.317e+04	20	1.621e+04	-320.31	1.74e-04	0.0	0.0	-2229.04	139.38	-0.05	-1.49	-320.31
1.077e+04		1.077e+04	-322.41	-5.85e-04	0.0	19.5	-2217.08	139.38	-0.05	-1.49	-321.36
1.349e+04						39.0	-2205.13	139.38	-0.05	-1.49	-322.41
1.621e+04	23	1.013e+04	-973.79	1.38e-03	0.0	0.0	-2155.51	80.73	-13.51	-1.95	-973.79
6980.79		6980.79	-1500.65	4.22e-05	0.0	19.5	-2143.55	80.73	-13.51	-1.95	-1237.22
8555.08						39.0	-2131.60	80.73	-13.51	-1.95	-1500.65
1.013e+04	32	1.357e+04	2670.94	6.66e-04	0.0	0.0	-2251.38	114.12	34.06	3.46	1342.62
9123.74		9123.74	1342.62	-1.97e-03	0.0	19.5	-2239.43	114.12	34.06	3.46	2006.78
1.135e+04						39.0	-2227.47	114.12	34.06	3.46	2670.94
1.357e+04	35	1.276e+04	-2636.72	8.86e-04	0.0	0.0	-2133.16	105.99	-47.62	-6.90	-2636.72
8630.31		8630.31	-4494.00	1.36e-03	0.0	19.5	-2121.21	105.99	-47.62	-6.90	-3565.36
1.070e+04						39.0	-2109.25	105.99	-47.62	-6.90	-4494.00
1.276e+04	52	1.495e+04	-444.87	4.25e-04	0.0	0.0	-2214.03	127.20	-2.61	-1.72	-444.87
9986.42		9986.42	-546.70	-4.80e-04	0.0	19.5	-2202.07	127.20	-2.61	-1.72	-495.78
1.247e+04						39.0	-2190.12	127.20	-2.61	-1.72	-546.70
1.495e+04	55	1.139e+04	-849.23	1.13e-03	0.0	0.0	-2170.52	92.91	-10.95	-1.72	-849.23
7767.63		7767.63	-1276.36	-1.33e-04	0.0	19.5	-2158.56	92.91	-10.95	-1.72	-1062.80
9579.31						39.0	-2146.61	92.91	-10.95	-1.72	-1276.36
1.139e+04	64	1.338e+04	1458.18	7.16e-04	0.0	0.0	-2230.73	112.15	20.24	1.52	668.97
9002.40		9002.40	668.97	-1.41e-03	0.0	19.5	-2218.78	112.15	20.24	1.52	1063.57
1.119e+04						39.0	-2206.82	112.15	20.24	1.52	1458.18
1.338e+04											

76	67	1.296e+04	-1963.07	8.35e-04	0.0	0.0	-2153.81	107.96	-33.80	-4.96	-1963.07
8751.64		8751.64	-3281.25	7.96e-04	0.0	19.5	-2141.86	107.96	-33.80	-4.96	-2622.16
1.086e+04						39.0	-2129.90	107.96	-33.80	-4.96	-3281.25
1.296e+04											
76	80	1.317e+04	-647.05	7.76e-04	0.0	0.0	-2192.27	110.06	-6.78	-1.72	-647.05
8877.02		8877.02	-911.53	-3.06e-04	0.0	19.5	-2180.32	110.06	-6.78	-1.72	-779.29
1.102e+04						39.0	-2168.36	110.06	-6.78	-1.72	-911.53
1.317e+04											
76	81	1.317e+04	-647.05	7.76e-04	0.0	0.0	-2192.27	110.06	-6.78	-1.72	-647.05
8877.02		8877.02	-911.53	-3.06e-04	0.0	19.5	-2180.32	110.06	-6.78	-1.72	-779.29
1.102e+04						39.0	-2168.36	110.06	-6.78	-1.72	-911.53
1.317e+04											
76	82	1.317e+04	-647.05	7.76e-04	0.0	0.0	-2192.27	110.06	-6.78	-1.72	-647.05
8877.02		8877.02	-911.53	-3.06e-04	0.0	19.5	-2180.32	110.06	-6.78	-1.72	-779.29
1.102e+04						39.0	-2168.36	110.06	-6.78	-1.72	-911.53
1.317e+04											
77	1	1.509e+04	1.232e+04	3.59e-03	0.0	0.0	-2758.24	30.03	351.72	4.05	-3861.68
1.371e+04		1.371e+04	-3861.68	-4.98e-04	0.0	23.0	-2739.90	30.03	351.72	4.05	4227.92
1.440e+04						46.0	-2721.57	30.03	351.72	4.05	1.232e+04
1.509e+04											
77	2	1.161e+04	9475.02	2.76e-03	0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
1.054e+04		1.054e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	23.10	270.56	3.12	3252.25
1.108e+04						46.0	-2093.52	23.10	270.56	3.12	9475.02
1.161e+04											
77	11	1.161e+04	9475.02	2.76e-03	0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
1.054e+04		1.054e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	23.10	270.56	3.12	3252.25
1.108e+04						46.0	-2093.52	23.10	270.56	3.12	9475.02
1.161e+04											
77	20	1.330e+04	9502.66	2.43e-03	0.0	0.0	-2137.82	-19.68	260.39	3.20	-2475.22
1.330e+04		1.240e+04	-2475.22	-4.97e-04	0.0	23.0	-2123.72	-19.68	260.39	3.20	3513.72
1.285e+04						46.0	-2109.61	-19.68	260.39	3.20	9502.66
1.240e+04											
77	23	1.081e+04	9447.38	3.08e-03	0.0	0.0	-2105.62	65.89	280.72	3.03	-3465.82
7783.48		7783.48	-3465.82	-2.72e-04	0.0	23.0	-2091.52	65.89	280.72	3.03	2990.78
9298.88						46.0	-2077.42	65.89	280.72	3.03	9447.38
1.081e+04											
77	32	1.171e+04	9642.11	2.68e-03	0.0	0.0	-2153.86	17.42	208.77	2.11	38.75
1.091e+04		1.091e+04	38.75	-1.07e-03	0.0	23.0	-2139.76	17.42	208.77	2.11	4840.43
1.131e+04						46.0	-2125.66	17.42	208.77	2.11	9642.11
1.171e+04											
77	35	1.150e+04	9307.92	2.84e-03	0.0	0.0	-2089.58	28.79	332.34	4.12	-5979.79
1.018e+04		1.018e+04	-5979.79	5.56e-04	0.0	23.0	-2075.48	28.79	332.34	4.12	1664.06
1.084e+04						46.0	-2061.38	28.79	332.34	4.12	9307.92
1.150e+04											
77	36	1.169e+04	9637.64	2.69e-03	0.0	0.0	-2153.92	18.19	210.37	2.06	-39.31
1.086e+04		1.086e+04	-39.31	-1.06e-03	0.0	23.0	-2139.81	18.19	210.37	2.06	4799.17
1.128e+04						46.0	-2125.71	18.19	210.37	2.06	9637.64
1.169e+04											
77	39	1.152e+04	9312.39	2.83e-03	0.0	0.0	-2089.52	28.01	330.74	4.17	-5901.73
1.023e+04		1.023e+04	-5901.73	5.39e-04	0.0	23.0	-2075.42	28.01	330.74	4.17	1705.33
1.087e+04											

1.152e+04					46.0	-2061.32	28.01	330.74	4.17	9312.39	
77	52	1.216e+04	9492.14	2.57e-03	0.0	0.0	-2131.28	-1.93	264.26	3.16	-2663.73
1.216e+04		1.207e+04	-2663.73	-4.54e-04	0.0	23.0	-2117.18	-1.93	264.26	3.16	3414.21
1.211e+04					46.0	-2103.08	-1.93	264.26	3.16	9492.14	
1.207e+04					0.0	0.0	-2112.16	48.13	276.85	3.08	-3277.31
77	55	1.114e+04	9457.89	2.95e-03	0.0	0.0	-2112.16	48.13	276.85	3.08	-3277.31
8929.13		8929.13	-3277.31	-3.12e-04	0.0	23.0	-2098.06	48.13	276.85	3.08	3090.29
1.004e+04					46.0	-2083.96	48.13	276.85	3.08	9457.89	
1.114e+04					0.0	0.0	-2142.73	20.20	229.68	2.44	-979.89
77	64	1.166e+04	9585.56	2.72e-03	0.0	0.0	-2142.73	20.20	229.68	2.44	-979.89
1.073e+04		1.073e+04	-979.89	-8.27e-04	0.0	23.0	-2128.63	20.20	229.68	2.44	4302.84
1.119e+04					46.0	-2114.53	20.20	229.68	2.44	9585.56	
1.166e+04					0.0	0.0	-2100.71	26.00	311.43	3.79	-4961.15
77	67	1.155e+04	9364.47	2.80e-03	0.0	0.0	-2100.71	26.00	311.43	3.79	-4961.15
1.036e+04		1.036e+04	-4961.15	2.86e-04	0.0	23.0	-2086.61	26.00	311.43	3.79	2201.66
1.096e+04					46.0	-2072.51	26.00	311.43	3.79	9364.47	
1.155e+04					0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
77	80	1.161e+04	9475.02	2.76e-03	0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
1.054e+04		1.054e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	23.10	270.56	3.12	3252.25
1.108e+04					46.0	-2093.52	23.10	270.56	3.12	9475.02	
1.161e+04					0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
77	81	1.161e+04	9475.02	2.76e-03	0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
1.054e+04		1.054e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	23.10	270.56	3.12	3252.25
1.108e+04					46.0	-2093.52	23.10	270.56	3.12	9475.02	
1.161e+04					0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
77	82	1.161e+04	9475.02	2.76e-03	0.0	0.0	-2121.72	23.10	270.56	3.12	-2970.52
1.054e+04		1.054e+04	-2970.52	-3.83e-04	0.0	23.0	-2107.62	23.10	270.56	3.12	3252.25
1.108e+04					46.0	-2093.52	23.10	270.56	3.12	9475.02	
1.161e+04					0.0	0.0	-2427.22	684.85	713.26	-5.18	1.228e+04
78	1	2.622e+04	2.511e+04	2.15e-03	0.0	0.0	-2427.22	684.85	713.26	-5.18	1.228e+04
1.389e+04		1.389e+04	1.228e+04	1.20e-03	0.0	9.0	-2420.05	684.85	713.26	-5.18	1.869e+04
2.005e+04					18.0	-2412.88	684.85	713.26	-5.18	2.511e+04	
2.622e+04					0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
78	2	2.017e+04	1.932e+04	1.66e-03	0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
1.069e+04		1.069e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	526.81	548.66	-3.98	1.438e+04
1.543e+04					18.0	-1856.06	526.81	548.66	-3.98	1.932e+04	
2.017e+04					0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
78	11	2.017e+04	1.932e+04	1.66e-03	0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
1.069e+04		1.069e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	526.81	548.66	-3.98	1.438e+04
1.543e+04					18.0	-1856.06	526.81	548.66	-3.98	1.932e+04	
2.017e+04					0.0	0.0	-1871.04	506.43	552.72	-3.67	9419.02
78	20	2.044e+04	1.937e+04	1.59e-03	0.0	0.0	-1871.04	506.43	552.72	-3.67	9419.02
1.132e+04		1.132e+04	9419.02	8.84e-04	0.0	9.0	-1865.52	506.43	552.72	-3.67	1.439e+04
1.588e+04					18.0	-1860.01	506.43	552.72	-3.67	1.937e+04	
2.044e+04					0.0	0.0	-1863.15	547.19	544.60	-4.29	9466.20
78	23	1.990e+04	1.927e+04	1.73e-03	0.0	0.0	-1863.15	547.19	544.60	-4.29	9466.20
1.005e+04		1.005e+04	9466.20	9.57e-04	0.0	9.0	-1857.63	547.19	544.60	-4.29	1.437e+04
1.498e+04					18.0	-1852.12	547.19	544.60	-4.29	1.927e+04	
1.990e+04					0.0	0.0	-1873.15	525.98	572.48	-3.52	9304.78
78	32	2.028e+04	1.961e+04	1.63e-03	0.0	0.0	-1873.15	525.98	572.48	-3.52	9304.78
1.077e+04											

1.553e+04		1.077e+04	9304.78	7.19e-04	0.0	9.0	-1867.63	525.98	572.48	-3.52	1.446e+04
						18.0	-1862.12	525.98	572.48	-3.52	1.961e+04
2.028e+04	36	2.028e+04	1.960e+04	1.64e-03	0.0	0.0	-1873.33	526.63	571.90	-3.55	9308.29
1.075e+04		1.075e+04	9308.29	7.23e-04	0.0	9.0	-1867.81	526.63	571.90	-3.55	1.446e+04
1.552e+04											
						18.0	-1862.29	526.63	571.90	-3.55	1.960e+04
2.028e+04	39	2.005e+04	1.903e+04	1.68e-03	0.0	0.0	-1860.87	526.98	525.43	-4.41	9576.93
1.062e+04		1.062e+04	9576.93	1.12e-03	0.0	9.0	-1855.35	526.98	525.43	-4.41	1.431e+04
1.533e+04											
						18.0	-1849.83	526.98	525.43	-4.41	1.903e+04
2.005e+04	52	2.033e+04	1.935e+04	1.62e-03	0.0	0.0	-1869.43	514.89	551.20	-3.80	9427.86
1.105e+04		1.105e+04	9427.86	8.98e-04	0.0	9.0	-1863.91	514.89	551.20	-3.80	1.439e+04
1.569e+04											
						18.0	-1858.39	514.89	551.20	-3.80	1.935e+04
2.033e+04	55	2.001e+04	1.929e+04	1.70e-03	0.0	0.0	-1864.77	538.72	546.12	-4.16	9457.36
1.032e+04		1.032e+04	9457.36	9.43e-04	0.0	9.0	-1859.25	538.72	546.12	-4.16	1.437e+04
1.516e+04											
						18.0	-1853.73	538.72	546.12	-4.16	1.929e+04
2.001e+04	64	2.024e+04	1.951e+04	1.64e-03	0.0	0.0	-1871.04	526.70	564.44	-3.68	9351.31
1.073e+04		1.073e+04	9351.31	7.87e-04	0.0	9.0	-1865.52	526.70	564.44	-3.68	1.443e+04
1.548e+04											
						18.0	-1860.00	526.70	564.44	-3.68	1.951e+04
2.024e+04	68	2.023e+04	1.951e+04	1.65e-03	0.0	0.0	-1871.11	527.18	564.08	-3.70	9353.46
1.072e+04		1.072e+04	9353.46	7.89e-04	0.0	9.0	-1865.59	527.18	564.08	-3.70	1.443e+04
1.547e+04											
						18.0	-1860.08	527.18	564.08	-3.70	1.951e+04
2.023e+04	71	2.010e+04	1.913e+04	1.67e-03	0.0	0.0	-1863.08	526.44	533.24	-4.26	9531.75
1.065e+04		1.065e+04	9531.75	1.05e-03	0.0	9.0	-1857.56	526.44	533.24	-4.26	1.433e+04
1.538e+04											
						18.0	-1852.04	526.44	533.24	-4.26	1.913e+04
2.010e+04	80	2.017e+04	1.932e+04	1.66e-03	0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
1.069e+04		1.069e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	526.81	548.66	-3.98	1.438e+04
1.543e+04											
						18.0	-1856.06	526.81	548.66	-3.98	1.932e+04
2.017e+04	81	2.017e+04	1.932e+04	1.66e-03	0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
1.069e+04		1.069e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	526.81	548.66	-3.98	1.438e+04
1.543e+04											
						18.0	-1856.06	526.81	548.66	-3.98	1.932e+04
2.017e+04	82	2.017e+04	1.932e+04	1.66e-03	0.0	0.0	-1867.10	526.81	548.66	-3.98	9442.61
1.069e+04		1.069e+04	9442.61	9.21e-04	0.0	9.0	-1861.58	526.81	548.66	-3.98	1.438e+04
1.543e+04											
						18.0	-1856.06	526.81	548.66	-3.98	1.932e+04
2.017e+04	1	1.712e+04	1185.48	1.01e-03	0.0	0.0	-2850.23	143.07	8.82	2.23	841.52
1.154e+04		1.154e+04	841.52	3.99e-04	0.0	19.5	-2834.69	143.07	8.82	2.23	1013.50
1.433e+04											
						39.0	-2819.14	143.07	8.82	2.23	1185.48
1.712e+04	2	1.317e+04	911.91	7.76e-04	0.0	0.0	-2192.48	110.06	6.78	1.72	647.33
8877.06		8877.06	647.33	3.07e-04	0.0	19.5	-2180.53	110.06	6.78	1.72	779.62
1.102e+04											
						39.0	-2168.57	110.06	6.78	1.72	911.91
1.317e+04											

79	11	1.317e+04	911.91	7.76e-04	0.0	0.0	-2192.48	110.06	6.78	1.72	647.33
8877.06		8877.06	647.33	3.07e-04	0.0	19.5	-2180.53	110.06	6.78	1.72	779.62
1.102e+04						39.0	-2168.57	110.06	6.78	1.72	911.91
1.317e+04	29	1.621e+04	322.27	1.74e-04	0.0	0.0	-2229.16	139.36	0.05	1.49	320.23
1.077e+04		1.077e+04	320.23	5.86e-04	0.0	19.5	-2217.20	139.36	0.05	1.49	321.25
1.349e+04						39.0	-2205.25	139.36	0.05	1.49	322.27
1.621e+04	30	1.013e+04	1501.54	1.38e-03	0.0	0.0	-2155.81	80.76	13.52	1.95	974.42
79		6982.79	974.42	-4.22e-05	0.0	19.5	-2143.85	80.76	13.52	1.95	1237.98
8557.54						39.0	-2131.90	80.76	13.52	1.95	1501.54
1.013e+04	37	1.357e+04	-1342.36	6.65e-04	0.0	0.0	-2251.56	114.12	-34.06	-3.46	-1342.36
79		9123.19	-2670.52	1.97e-03	0.0	19.5	-2239.60	114.12	-34.06	-3.46	-2006.44
9123.19						39.0	-2227.65	114.12	-34.06	-3.46	-2670.52
1.135e+04											
1.357e+04	38	1.276e+04	4494.34	8.86e-04	0.0	0.0	-2133.41	105.99	47.63	6.90	2637.01
79		8630.93	2637.01	-1.36e-03	0.0	19.5	-2121.45	105.99	47.63	6.90	3565.67
8630.93						39.0	-2109.50	105.99	47.63	6.90	4494.34
1.070e+04											
1.276e+04	61	1.495e+04	546.78	4.25e-04	0.0	0.0	-2214.19	127.19	2.61	1.71	444.94
79		9985.33	444.94	4.80e-04	0.0	19.5	-2202.23	127.19	2.61	1.71	495.86
9985.33						39.0	-2190.28	127.19	2.61	1.71	546.78
1.247e+04											
1.495e+04	62	1.139e+04	1277.03	1.13e-03	0.0	0.0	-2170.78	92.92	10.96	1.73	849.71
79		7768.79	849.71	1.33e-04	0.0	19.5	-2158.82	92.92	10.96	1.73	1063.37
7768.79						39.0	-2146.87	92.92	10.96	1.73	1277.03
9580.74											
1.139e+04	69	1.338e+04	-668.75	7.16e-04	0.0	0.0	-2230.92	112.15	-20.23	-1.52	-668.75
79		9002.12	-1457.87	1.41e-03	0.0	19.5	-2218.97	112.15	-20.23	-1.52	-1063.31
9002.12						39.0	-2207.01	112.15	-20.23	-1.52	-1457.87
1.119e+04											
1.338e+04	70	1.296e+04	3281.69	8.35e-04	0.0	0.0	-2154.04	107.96	33.80	4.96	1963.40
79		8752.01	1963.40	-7.96e-04	0.0	19.5	-2142.09	107.96	33.80	4.96	2622.54
8752.01						39.0	-2130.13	107.96	33.80	4.96	3281.69
1.086e+04											
1.296e+04	80	1.317e+04	911.91	7.76e-04	0.0	0.0	-2192.48	110.06	6.78	1.72	647.33
79		8877.06	647.33	3.07e-04	0.0	19.5	-2180.53	110.06	6.78	1.72	779.62
8877.06						39.0	-2168.57	110.06	6.78	1.72	911.91
1.102e+04											
1.317e+04	81	1.317e+04	911.91	7.76e-04	0.0	0.0	-2192.48	110.06	6.78	1.72	647.33
79		8877.06	647.33	3.07e-04	0.0	19.5	-2180.53	110.06	6.78	1.72	779.62
8877.06						39.0	-2168.57	110.06	6.78	1.72	911.91
1.102e+04											
1.317e+04	82	1.317e+04	911.91	7.76e-04	0.0	0.0	-2192.48	110.06	6.78	1.72	647.33
79		8877.06	647.33	3.07e-04	0.0	19.5	-2180.53	110.06	6.78	1.72	779.62
8877.06						39.0	-2168.57	110.06	6.78	1.72	911.91
1.102e+04											
1.317e+04	1	1.509e+04	3863.05	3.59e-03	0.0	0.0	-2758.52	30.03	-351.89	-4.05	3863.05
80		1.371e+04	-1.232e+04	4.98e-04	0.0	23.0	-2740.19	30.03	-351.89	-4.05	-4230.32
1.371e+04											
1.440e+04											

1.509e+04					46.0	-2721.86	30.03	-351.89	-4.05	-1.232e+04
80	2	1.161e+04	2971.58	2.76e-03	0.0	0.0	-2121.94	23.10	-270.68	-3.12 2971.58
1.054e+04		1.054e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	23.10	-270.68	-3.12 -3254.09
1.108e+04										
1.161e+04					46.0	-2093.74	23.10	-270.68	-3.12	-9479.76
80	11	1.161e+04	2971.58	2.76e-03	0.0	0.0	-2121.94	23.10	-270.68	-3.12 2971.58
1.054e+04		1.054e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	23.10	-270.68	-3.12 -3254.09
1.108e+04										
1.161e+04					46.0	-2093.74	23.10	-270.68	-3.12	-9479.76
80	29	1.330e+04	2475.85	2.43e-03	0.0	0.0	-2137.94	-19.64	-260.50	-3.20 2475.85
1.330e+04		1.240e+04	-9507.43	4.97e-04	0.0	23.0	-2123.84	-19.64	-260.50	-3.20 -3515.79
1.285e+04										
1.240e+04					46.0	-2109.74	-19.64	-260.50	-3.20	-9507.43
80	30	1.081e+04	3467.31	3.08e-03	0.0	0.0	-2105.93	65.84	-280.86	-3.04 3467.31
7785.84		7785.84	-9452.10	2.72e-04	0.0	23.0	-2091.83	65.84	-280.86	-3.04 -2992.39
9300.19										
1.081e+04					46.0	-2077.73	65.84	-280.86	-3.04	-9452.10
80	33	1.169e+04	40.32	2.69e-03	0.0	0.0	-2154.12	18.20	-210.50	-2.07 40.32
1.086e+04		1.086e+04	-9642.48	1.06e-03	0.0	23.0	-2140.02	18.20	-210.50	-2.07 -4801.08
1.128e+04										
1.169e+04					46.0	-2125.92	18.20	-210.50	-2.07	-9642.48
80	34	1.152e+04	5902.84	2.83e-03	0.0	0.0	-2089.75	28.00	-330.87	-4.17 5902.84
1.023e+04		1.023e+04	-9317.04	-5.39e-04	0.0	23.0	-2075.65	28.00	-330.87	-4.17 -1707.10
1.087e+04										
1.152e+04					46.0	-2061.55	28.00	-330.87	-4.17	-9317.04
80	37	1.171e+04	-37.71	2.68e-03	0.0	0.0	-2154.05	17.43	-208.90	-2.11 -37.71
1.091e+04		1.091e+04	-9646.95	1.07e-03	0.0	23.0	-2139.94	17.43	-208.90	-2.11 -4842.33
1.131e+04										
1.171e+04					46.0	-2125.84	17.43	-208.90	-2.11	-9646.95
80	38	1.150e+04	5980.87	2.84e-03	0.0	0.0	-2089.83	28.77	-332.47	-4.13 5980.87
1.018e+04		1.018e+04	-9312.58	-5.55e-04	0.0	23.0	-2075.73	28.77	-332.47	-4.13 -1665.85
1.084e+04										
1.150e+04					46.0	-2061.63	28.77	-332.47	-4.13	-9312.58
80	61	1.216e+04	2664.54	2.57e-03	0.0	0.0	-2131.44	-1.90	-264.38	-3.16 2664.54
1.216e+04		1.207e+04	-9496.90	4.54e-04	0.0	23.0	-2117.34	-1.90	-264.38	-3.16 -3416.18
1.211e+04										
1.207e+04					46.0	-2103.24	-1.90	-264.38	-3.16	-9496.90
80	62	1.114e+04	3278.62	2.95e-03	0.0	0.0	-2112.43	48.10	-276.98	-3.08 3278.62
8930.51		8930.51	-9462.62	3.12e-04	0.0	23.0	-2098.33	48.10	-276.98	-3.08 -3092.00
1.004e+04										
1.114e+04					46.0	-2084.23	48.10	-276.98	-3.08	-9462.62
80	69	1.166e+04	980.86	2.72e-03	0.0	0.0	-2142.93	20.21	-229.81	-2.44 980.86
1.073e+04		1.073e+04	-9590.37	8.27e-04	0.0	23.0	-2128.83	20.21	-229.81	-2.44 -4304.75
1.119e+04										
1.166e+04					46.0	-2114.73	20.21	-229.81	-2.44	-9590.37
80	70	1.155e+04	4962.30	2.80e-03	0.0	0.0	-2100.94	26.00	-311.55	-3.79 4962.30
1.036e+04		1.036e+04	-9369.16	-2.86e-04	0.0	23.0	-2086.84	26.00	-311.55	-3.79 -2203.43
1.096e+04										
1.155e+04					46.0	-2072.74	26.00	-311.55	-3.79	-9369.16
80	80	1.161e+04	2971.58	2.76e-03	0.0	0.0	-2121.94	23.10	-270.68	-3.12 2971.58
1.054e+04										

1.108e+04		1.054e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	23.10	-270.68	-3.12	-3254.09
						46.0	-2093.74	23.10	-270.68	-3.12	-9479.76
1.161e+04	81	1.161e+04	2971.58	2.76e-03	0.0	0.0	-2121.94	23.10	-270.68	-3.12	2971.58
1.054e+04		1.054e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	23.10	-270.68	-3.12	-3254.09
1.108e+04						46.0	-2093.74	23.10	-270.68	-3.12	-9479.76
1.161e+04	82	1.161e+04	2971.58	2.76e-03	0.0	0.0	-2121.94	23.10	-270.68	-3.12	2971.58
1.054e+04		1.054e+04	-9479.76	3.83e-04	0.0	23.0	-2107.84	23.10	-270.68	-3.12	-3254.09
1.108e+04						46.0	-2093.74	23.10	-270.68	-3.12	-9479.76
1.161e+04	81	1 2.622e+04	-1.228e+04	2.15e-03	0.0	0.0	-2427.48	684.85	-713.59	5.18	-1.228e+04
1.389e+04		1.389e+04	-2.513e+04	-1.20e-03	0.0	9.0	-2420.31	684.85	-713.59	5.18	-1.870e+04
2.005e+04						18.0	-2413.14	684.85	-713.59	5.18	-2.513e+04
2.622e+04	81	2 2.017e+04	-9447.24	1.66e-03	0.0	0.0	-1867.29	526.80	-548.92	3.99	-9447.24
1.069e+04		1.069e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	526.80	-548.92	3.99	-1.439e+04
1.543e+04						18.0	-1856.26	526.80	-548.92	3.99	-1.933e+04
2.017e+04	81	11 2.017e+04	-9447.24	1.66e-03	0.0	0.0	-1867.29	526.80	-548.92	3.99	-9447.24
1.069e+04		1.069e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	526.80	-548.92	3.99	-1.439e+04
1.543e+04						18.0	-1856.26	526.80	-548.92	3.99	-1.933e+04
2.017e+04	81	29 2.043e+04	-9423.65	1.59e-03	0.0	0.0	-1871.19	506.21	-552.98	3.67	-9423.65
1.132e+04		1.132e+04	-1.938e+04	-8.85e-04	0.0	9.0	-1865.67	506.21	-552.98	3.67	-1.440e+04
1.588e+04						18.0	-1860.16	506.21	-552.98	3.67	-1.938e+04
2.043e+04	81	30 1.990e+04	-9470.83	1.73e-03	0.0	0.0	-1863.40	547.40	-544.86	4.30	-9470.83
1.005e+04		1.005e+04	-1.928e+04	-9.57e-04	0.0	9.0	-1857.88	547.40	-544.86	4.30	-1.437e+04
1.498e+04						18.0	-1852.36	547.40	-544.86	4.30	-1.928e+04
1.990e+04	81	33 2.028e+04	-9313.03	1.64e-03	0.0	0.0	-1873.53	526.58	-572.15	3.56	-9313.03
1.075e+04		1.075e+04	-1.961e+04	-7.23e-04	0.0	9.0	-1868.01	526.58	-572.15	3.56	-1.446e+04
1.552e+04						18.0	-1862.49	526.58	-572.15	3.56	-1.961e+04
2.028e+04	81	34 2.005e+04	-9581.45	1.68e-03	0.0	0.0	-1861.06	527.03	-525.68	4.42	-9581.45
1.062e+04		1.062e+04	-1.904e+04	-1.12e-03	0.0	9.0	-1855.55	527.03	-525.68	4.42	-1.431e+04
1.533e+04						18.0	-1850.03	527.03	-525.68	4.42	-1.904e+04
2.005e+04	81	37 2.028e+04	-9309.50	1.63e-03	0.0	0.0	-1873.34	525.91	-572.74	3.52	-9309.50
1.077e+04		1.077e+04	-1.962e+04	-7.19e-04	0.0	9.0	-1867.82	525.91	-572.74	3.52	-1.446e+04
1.552e+04						18.0	-1862.30	525.91	-572.74	3.52	-1.962e+04
2.028e+04	81	61 2.032e+04	-9432.49	1.62e-03	0.0	0.0	-1869.60	514.76	-551.46	3.80	-9432.49
1.105e+04		1.105e+04	-1.936e+04	-8.98e-04	0.0	9.0	-1864.08	514.76	-551.46	3.80	-1.440e+04
1.569e+04						18.0	-1858.56	514.76	-551.46	3.80	-1.936e+04
2.032e+04	81	62 2.001e+04	-9461.99	1.70e-03	0.0	0.0	-1864.99	538.85	-546.38	4.17	-9461.99
1.032e+04		1.032e+04	-1.930e+04	-9.44e-04	0.0	9.0	-1859.47	538.85	-546.38	4.17	-1.438e+04
1.516e+04						18.0	-1853.96	538.85	-546.38	4.17	-1.930e+04
2.001e+04											

81	65	2.023e+04	-9358.17	1.65e-03	0.0	0.0	-1871.31	527.15	-564.34	3.71	-9358.17
1.072e+04											
1.547e+04		1.072e+04	-1.952e+04	-7.90e-04	0.0	9.0	-1865.79	527.15	-564.34	3.71	-1.444e+04
						18.0	-1860.28	527.15	-564.34	3.71	-1.952e+04
2.023e+04											
81	66	2.010e+04	-9536.32	1.67e-03	0.0	0.0	-1863.28	526.46	-533.50	4.27	-9536.32
1.065e+04											
1.538e+04		1.065e+04	-1.914e+04	-1.05e-03	0.0	9.0	-1857.76	526.46	-533.50	4.27	-1.434e+04
						18.0	-1852.24	526.46	-533.50	4.27	-1.914e+04
2.010e+04											
81	69	2.024e+04	-9356.00	1.64e-03	0.0	0.0	-1871.23	526.65	-564.70	3.69	-9356.00
1.073e+04											
1.548e+04		1.073e+04	-1.952e+04	-7.87e-04	0.0	9.0	-1865.71	526.65	-564.70	3.69	-1.444e+04
						18.0	-1860.19	526.65	-564.70	3.69	-1.952e+04
2.024e+04											
81	80	2.017e+04	-9447.24	1.66e-03	0.0	0.0	-1867.29	526.80	-548.92	3.99	-9447.24
1.069e+04											
1.543e+04		1.069e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	526.80	-548.92	3.99	-1.439e+04
						18.0	-1856.26	526.80	-548.92	3.99	-1.933e+04
2.017e+04											
81	81	2.017e+04	-9447.24	1.66e-03	0.0	0.0	-1867.29	526.80	-548.92	3.99	-9447.24
1.069e+04											
1.543e+04		1.069e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	526.80	-548.92	3.99	-1.439e+04
						18.0	-1856.26	526.80	-548.92	3.99	-1.933e+04
2.017e+04											
81	82	2.017e+04	-9447.24	1.66e-03	0.0	0.0	-1867.29	526.80	-548.92	3.99	-9447.24
1.069e+04											
1.543e+04		1.069e+04	-1.933e+04	-9.21e-04	0.0	9.0	-1861.78	526.80	-548.92	3.99	-1.439e+04
						18.0	-1856.26	526.80	-548.92	3.99	-1.933e+04
2.017e+04											
82	1	1.712e+04	-841.52	1.01e-03	0.0	0.0	-2850.23	143.07	-8.82	-2.23	-841.52
1.154e+04											
1.433e+04		1.154e+04	-1185.48	-3.99e-04	0.0	19.5	-2834.69	143.07	-8.82	-2.23	-1013.50
						39.0	-2819.14	143.07	-8.82	-2.23	-1185.48
1.712e+04											
82	2	1.317e+04	-647.33	7.76e-04	0.0	0.0	-2192.48	110.06	-6.78	-1.72	-647.33
8877.06											
1.102e+04		8877.06	-911.91	-3.07e-04	0.0	19.5	-2180.53	110.06	-6.78	-1.72	-779.62
						39.0	-2168.57	110.06	-6.78	-1.72	-911.91
1.317e+04											
82	11	1.317e+04	-647.33	7.76e-04	0.0	0.0	-2192.48	110.06	-6.78	-1.72	-647.33
8877.06											
1.102e+04		8877.06	-911.91	-3.07e-04	0.0	19.5	-2180.53	110.06	-6.78	-1.72	-779.62
						39.0	-2168.57	110.06	-6.78	-1.72	-911.91
1.317e+04											
82	28	1.659e+04	-520.76	-1.67e-04	0.0	0.0	-2233.93	143.06	-4.07	-5.43	-520.76
1.101e+04											
1.380e+04		1.101e+04	-679.38	-4.26e-04	0.0	19.5	-2221.98	143.06	-4.07	-5.43	-600.07
						39.0	-2210.02	143.06	-4.07	-5.43	-679.38
1.659e+04											
82	31	9744.53	-773.89	1.45e-03	0.0	0.0	-2151.03	77.05	-9.50	1.99	-773.89
6739.40											
8241.97		6739.40	-1144.44	-1.87e-04	0.0	19.5	-2139.08	77.05	-9.50	1.99	-959.17
						39.0	-2127.12	77.05	-9.50	1.99	-1144.44
9744.53											
82	36	1.369e+04	2563.39	6.45e-04	0.0	0.0	-2252.99	115.23	32.85	2.28	1282.20
9196.20											
1.144e+04		9196.20	1282.20	-1.92e-03	0.0	19.5	-2241.04	115.23	32.85	2.28	1922.79
						39.0	-2229.08	115.23	32.85	2.28	2563.39
1.369e+04											
82	37	1.461e+04	-2636.99	5.16e-04	0.0	0.0	-2152.72	123.84	-47.63	-7.06	-2636.99
9782.49											
1.220e+04		9782.49	-4494.34	1.36e-03	0.0	19.5	-2140.76	123.84	-47.63	-7.06	-3565.67

1.461e+04					39.0	-2128.81	123.84	-47.63	-7.06	-4494.34	
82	38	1.173e+04	2670.52	1.04e-03	0.0	0.0	-2232.25	96.27	34.06	3.62	1342.34
7971.63		7971.63	1342.34	-1.97e-03	0.0	19.5	-2220.29	96.27	34.06	3.62	2006.43
9848.90											
1.173e+04					39.0	-2208.34	96.27	34.06	3.62	2670.52	
82	39	1.265e+04	-2576.85	9.07e-04	0.0	0.0	-2131.97	104.88	-46.42	-5.72	-2576.85
8557.92		8557.92	-4387.21	1.31e-03	0.0	19.5	-2120.02	104.88	-46.42	-5.72	-3482.03
1.060e+04											
1.265e+04					39.0	-2108.06	104.88	-46.42	-5.72	-4387.21	
82	60	1.517e+04	-567.28	3.84e-04	0.0	0.0	-2216.92	129.36	-5.07	-3.99	-567.28
1.013e+04		1.013e+04	-764.85	-3.82e-04	0.0	19.5	-2204.97	129.36	-5.07	-3.99	-666.07
1.265e+04											
1.517e+04					39.0	-2193.01	129.36	-5.07	-3.99	-764.85	
82	63	1.117e+04	-727.37	1.17e-03	0.0	0.0	-2168.04	90.75	-8.50	0.55	-727.37
7626.11		7626.11	-1058.97	-2.31e-04	0.0	19.5	-2156.09	90.75	-8.50	0.55	-893.17
9395.76											
1.117e+04					39.0	-2144.13	90.75	-8.50	0.55	-1058.97	
82	68	1.344e+04	1392.45	7.04e-04	0.0	0.0	-2231.74	112.80	19.50	0.84	632.05
9044.93		9044.93	632.05	-1.38e-03	0.0	19.5	-2219.79	112.80	19.50	0.84	1012.25
1.124e+04											
1.344e+04					39.0	-2207.83	112.80	19.50	0.84	1392.45	
82	69	1.404e+04	-1963.38	6.20e-04	0.0	0.0	-2165.28	118.34	-33.80	-5.05	-1963.38
9421.67		9421.67	-3281.68	7.96e-04	0.0	19.5	-2153.32	118.34	-33.80	-5.05	-2622.53
1.173e+04											
1.404e+04					39.0	-2141.37	118.34	-33.80	-5.05	-3281.68	
82	70	1.230e+04	1457.86	9.32e-04	0.0	0.0	-2219.69	101.77	20.23	1.61	668.73
8332.45		8332.45	668.73	-1.41e-03	0.0	19.5	-2207.73	101.77	20.23	1.61	1063.29
1.032e+04											
1.230e+04					39.0	-2195.78	101.77	20.23	1.61	1457.86	
82	71	1.289e+04	-1926.70	8.48e-04	0.0	0.0	-2153.22	107.31	-33.07	-4.27	-1926.70
8709.20		8709.20	-3216.27	7.67e-04	0.0	19.5	-2141.27	107.31	-33.07	-4.27	-2571.48
1.080e+04											
1.289e+04					39.0	-2129.31	107.31	-33.07	-4.27	-3216.27	
82	80	1.317e+04	-647.33	7.76e-04	0.0	0.0	-2192.48	110.06	-6.78	-1.72	-647.33
8877.06		8877.06	-911.91	-3.07e-04	0.0	19.5	-2180.53	110.06	-6.78	-1.72	-779.62
1.102e+04											
1.317e+04					39.0	-2168.57	110.06	-6.78	-1.72	-911.91	
82	81	1.317e+04	-647.33	7.76e-04	0.0	0.0	-2192.48	110.06	-6.78	-1.72	-647.33
8877.06		8877.06	-911.91	-3.07e-04	0.0	19.5	-2180.53	110.06	-6.78	-1.72	-779.62
1.102e+04											
1.317e+04					39.0	-2168.57	110.06	-6.78	-1.72	-911.91	
82	82	1.317e+04	-647.33	7.76e-04	0.0	0.0	-2192.48	110.06	-6.78	-1.72	-647.33
8877.06		8877.06	-911.91	-3.07e-04	0.0	19.5	-2180.53	110.06	-6.78	-1.72	-779.62
1.102e+04											
1.317e+04					39.0	-2168.57	110.06	-6.78	-1.72	-911.91	
83	1	1.509e+04	1.232e+04	3.59e-03	0.0	0.0	-2758.52	30.03	351.89	4.05	-3863.05
1.371e+04		1.371e+04	-3863.05	-4.98e-04	0.0	23.0	-2740.19	30.03	351.89	4.05	4230.32
1.440e+04											
1.509e+04					46.0	-2721.86	30.03	351.89	4.05	1.232e+04	
83	2	1.161e+04	9479.76	2.76e-03	0.0	0.0	-2121.94	23.10	270.68	3.12	-2971.58
1.054e+04											

1.108e+04		1.054e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	23.10	270.68	3.12	3254.09
						46.0	-2093.74	23.10	270.68	3.12	9479.76
1.161e+04	11	1.161e+04	9479.76	2.76e-03	0.0	0.0	-2121.94	23.10	270.68	3.12	-2971.58
1.054e+04		1.054e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	23.10	270.68	3.12	3254.09
1.108e+04						46.0	-2093.74	23.10	270.68	3.12	9479.76
1.161e+04	28	1.365e+04	9490.83	2.40e-03	0.0	0.0	-2140.49	-25.10	266.66	3.09	-2775.29
1.365e+04		1.250e+04	-2775.29	-4.35e-04	0.0	23.0	-2126.39	-25.10	266.66	3.09	3357.77
1.307e+04						46.0	-2112.29	-25.10	266.66	3.09	9490.83
1.250e+04	31	1.072e+04	9468.70	3.12e-03	0.0	0.0	-2103.39	71.30	274.71	3.15	-3167.87
83		7438.00	-3167.87	-3.31e-04	0.0	23.0	-2089.29	71.30	274.71	3.15	3150.41
7438.00						46.0	-2075.18	71.30	274.71	3.15	9468.70
9077.92											
1.072e+04	36	1.174e+04	9641.96	2.67e-03	0.0	0.0	-2154.81	15.79	210.74	2.08	-52.12
83		1.101e+04	-52.12	-1.05e-03	0.0	23.0	-2140.71	15.79	210.74	2.08	4794.92
1.101e+04						46.0	-2126.61	15.79	210.74	2.08	9641.96
1.138e+04											
1.174e+04	37	1.198e+04	9312.57	2.63e-03	0.0	0.0	-2097.90	2.77	332.47	4.24	-5980.87
83		1.186e+04	-5980.87	5.55e-04	0.0	23.0	-2083.79	2.77	332.47	4.24	1665.85
1.186e+04						46.0	-2069.69	2.77	332.47	4.24	9312.57
1.192e+04											
1.198e+04	38	1.123e+04	9646.95	2.88e-03	0.0	0.0	-2145.98	43.43	208.90	2.00	37.71
83		9231.92	37.71	-1.07e-03	0.0	23.0	-2131.88	43.43	208.90	2.00	4842.33
9231.92						46.0	-2117.78	43.43	208.90	2.00	9646.95
1.023e+04											
1.123e+04	39	1.147e+04	9317.56	2.85e-03	0.0	0.0	-2089.06	30.41	330.62	4.16	-5891.04
83		1.008e+04	-5891.04	5.33e-04	0.0	23.0	-2074.96	30.41	330.62	4.16	1713.26
1.008e+04						46.0	-2060.86	30.41	330.62	4.16	9317.56
1.077e+04											
1.147e+04	60	1.236e+04	9486.75	2.55e-03	0.0	0.0	-2132.90	-5.10	268.14	3.09	-2847.48
83		1.236e+04	-2847.48	-4.16e-04	0.0	23.0	-2118.80	-5.10	268.14	3.09	3319.63
1.236e+04		1.213e+04	-2847.48	-4.16e-04	0.0	23.0	-2118.80	-5.10	268.14	3.09	3319.63
1.224e+04						46.0	-2104.69	-5.10	268.14	3.09	9486.75
1.213e+04	63	1.109e+04	9472.78	2.97e-03	0.0	0.0	-2110.98	51.30	273.23	3.14	-3095.68
83		8726.59	-3095.68	-3.50e-04	0.0	23.0	-2096.88	51.30	273.23	3.14	3188.55
8726.59						46.0	-2082.78	51.30	273.23	3.14	9472.78
9906.58											
1.109e+04	68	1.168e+04	9587.32	2.71e-03	0.0	0.0	-2143.37	19.25	230.94	2.42	-1035.74
83		1.079e+04	-1035.74	-8.15e-04	0.0	23.0	-2129.27	19.25	230.94	2.42	4275.79
1.079e+04						46.0	-2115.17	19.25	230.94	2.42	9587.32
1.123e+04											
1.168e+04	69	1.183e+04	9369.15	2.69e-03	0.0	0.0	-2105.64	10.88	311.55	3.86	-4962.30
83		1.133e+04	-4962.30	2.86e-04	0.0	23.0	-2091.54	10.88	311.55	3.86	2203.42
1.133e+04		1.158e+04				46.0	-2077.44	10.88	311.55	3.86	9369.15
1.158e+04											
1.183e+04	70	1.138e+04	9590.38	2.83e-03	0.0	0.0	-2138.24	35.33	229.81	2.38	-980.86
83		9754.83	-980.86	-8.27e-04	0.0	23.0	-2124.13	35.33	229.81	2.38	4304.76
9754.83						46.0	-2110.03	35.33	229.81	2.38	9590.38
1.057e+04											
1.138e+04											

83	71	1.154e+04	9372.20	2.81e-03	0.0	0.0	-2100.51	26.96	310.43	3.81	-4907.42
1.030e+04		1.030e+04	-4907.42	2.73e-04	0.0	23.0	-2086.41	26.96	310.43	3.81	2232.39
1.092e+04						46.0	-2072.30	26.96	310.43	3.81	9372.20
1.154e+04	80	1.161e+04	9479.76	2.76e-03	0.0	0.0	-2121.94	23.10	270.68	3.12	-2971.58
1.054e+04		1.054e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	23.10	270.68	3.12	3254.09
1.108e+04						46.0	-2093.74	23.10	270.68	3.12	9479.76
1.161e+04	81	1.161e+04	9479.76	2.76e-03	0.0	0.0	-2121.94	23.10	270.68	3.12	-2971.58
1.054e+04		1.054e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	23.10	270.68	3.12	3254.09
1.108e+04						46.0	-2093.74	23.10	270.68	3.12	9479.76
1.161e+04	82	1.161e+04	9479.76	2.76e-03	0.0	0.0	-2121.94	23.10	270.68	3.12	-2971.58
1.054e+04		1.054e+04	-2971.58	-3.83e-04	0.0	23.0	-2107.84	23.10	270.68	3.12	3254.09
1.108e+04						46.0	-2093.74	23.10	270.68	3.12	9479.76
1.161e+04	84	1 2.622e+04	2.513e+04	2.15e-03	0.0	0.0	-2427.48	684.85	713.59	-5.18	1.228e+04
1.389e+04		1.389e+04	1.228e+04	1.20e-03	0.0	9.0	-2420.31	684.85	713.59	-5.18	1.870e+04
2.005e+04						18.0	-2413.14	684.85	713.59	-5.18	2.513e+04
2.622e+04	84	2 2.017e+04	1.933e+04	1.66e-03	0.0	0.0	-1867.29	526.80	548.92	-3.99	9447.24
1.069e+04		1.069e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	526.80	548.92	-3.99	1.439e+04
1.543e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
2.017e+04	84	11 2.017e+04	1.933e+04	1.66e-03	0.0	0.0	-1867.29	526.80	548.92	-3.99	9447.24
1.069e+04		1.069e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	526.80	548.92	-3.99	1.439e+04
1.543e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
2.017e+04	84	28 2.048e+04	1.935e+04	1.58e-03	0.0	0.0	-1872.05	504.62	550.80	-3.74	9436.56
1.140e+04		1.140e+04	9436.56	9.04e-04	0.0	9.0	-1866.53	504.62	550.80	-3.74	1.439e+04
1.594e+04						18.0	-1861.01	504.62	550.80	-3.74	1.935e+04
2.048e+04	84	31 1.985e+04	1.930e+04	1.73e-03	0.0	0.0	-1862.54	548.99	547.03	-4.23	9457.92
9974.68		9974.68	9457.92	9.38e-04	0.0	9.0	-1857.03	548.99	547.03	-4.23	1.438e+04
1.491e+04						18.0	-1851.51	548.99	547.03	-4.23	1.930e+04
1.985e+04	84	36 2.030e+04	1.961e+04	1.63e-03	0.0	0.0	-1873.59	525.44	572.08	-3.54	9313.38
1.079e+04		1.079e+04	9313.38	7.25e-04	0.0	9.0	-1868.07	525.44	572.08	-3.54	1.446e+04
1.554e+04						18.0	-1862.56	525.44	572.08	-3.54	1.961e+04
2.030e+04	84	38 2.012e+04	1.962e+04	1.68e-03	0.0	0.0	-1871.22	538.04	572.74	-3.66	9309.47
1.038e+04		1.038e+04	9309.47	7.19e-04	0.0	9.0	-1865.70	538.04	572.74	-3.66	1.446e+04
1.525e+04						18.0	-1860.19	538.04	572.74	-3.66	1.962e+04
2.012e+04	84	39 2.004e+04	1.904e+04	1.68e-03	0.0	0.0	-1861.00	528.17	525.75	-4.43	9581.11
1.058e+04		1.058e+04	9581.11	1.12e-03	0.0	9.0	-1855.48	528.17	525.75	-4.43	1.431e+04
1.531e+04						18.0	-1849.96	528.17	525.75	-4.43	1.904e+04
2.004e+04	84	60 2.035e+04	1.934e+04	1.61e-03	0.0	0.0	-1870.09	513.83	550.10	-3.84	9440.54
1.110e+04		1.110e+04	9440.54	9.10e-04	0.0	9.0	-1864.57	513.83	550.10	-3.84	1.439e+04
1.573e+04											

2.035e+04						18.0	-1859.06	513.83	550.10	-3.84	1.934e+04
84	63	1.998e+04	1.931e+04	1.70e-03	0.0	0.0	-1864.50	539.78	547.73	-4.13	9453.94
1.027e+04		1.027e+04	9453.94	9.32e-04	0.0	9.0	-1858.98	539.78	547.73	-4.13	1.438e+04
1.513e+04						18.0	-1853.46	539.78	547.73	-4.13	1.931e+04
1.998e+04						18.0	-1853.46	539.78	547.73	-4.13	1.931e+04
84	68	2.024e+04	1.952e+04	1.64e-03	0.0	0.0	-1871.37	526.38	564.29	-3.70	9358.41
1.074e+04		1.074e+04	9358.41	7.91e-04	0.0	9.0	-1865.86	526.38	564.29	-3.70	1.444e+04
1.549e+04						18.0	-1860.34	526.38	564.29	-3.70	1.952e+04
2.024e+04						18.0	-1860.34	526.38	564.29	-3.70	1.952e+04
84	70	2.014e+04	1.952e+04	1.67e-03	0.0	0.0	-1870.00	533.71	564.70	-3.77	9355.98
1.050e+04		1.050e+04	9355.98	7.87e-04	0.0	9.0	-1864.48	533.71	564.70	-3.77	1.444e+04
1.532e+04						18.0	-1858.96	533.71	564.70	-3.77	1.952e+04
2.014e+04						18.0	-1858.96	533.71	564.70	-3.77	1.952e+04
84	71	2.009e+04	1.914e+04	1.67e-03	0.0	0.0	-1863.22	527.23	533.54	-4.28	9536.07
1.063e+04		1.063e+04	9536.07	1.05e-03	0.0	9.0	-1857.70	527.23	533.54	-4.28	1.434e+04
1.536e+04						18.0	-1852.18	527.23	533.54	-4.28	1.914e+04
2.009e+04						18.0	-1852.18	527.23	533.54	-4.28	1.914e+04
84	80	2.017e+04	1.933e+04	1.66e-03	0.0	0.0	-1867.29	526.80	548.92	-3.99	9447.24
1.069e+04		1.069e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	526.80	548.92	-3.99	1.439e+04
1.543e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
2.017e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
84	81	2.017e+04	1.933e+04	1.66e-03	0.0	0.0	-1867.29	526.80	548.92	-3.99	9447.24
1.069e+04		1.069e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	526.80	548.92	-3.99	1.439e+04
1.543e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
2.017e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
84	82	2.017e+04	1.933e+04	1.66e-03	0.0	0.0	-1867.29	526.80	548.92	-3.99	9447.24
1.069e+04		1.069e+04	9447.24	9.21e-04	0.0	9.0	-1861.78	526.80	548.92	-3.99	1.439e+04
1.543e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04
2.017e+04						18.0	-1856.26	526.80	548.92	-3.99	1.933e+04

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-2.622e+04	-2.513e+04	-3.59e-03	0.0	-3972.70	-684.85	-713.59	-8.61
	2.622e+04	2.513e+04	3.59e-03	0.0	-1849.78	684.85	713.59	8.61

Trave	Cmb	M3 mx/mn daN cm	M2 mx/mn daN cm	D 2 / D 3 cm	Q 2 / Q 3 daN	Pos. cm	N daN	V 2 daN	V 3 daN	T daN cm	M 2 M 3 daN cm
85	1	1059.42	67.11	-2.59e-03	-78.08	0.0	358.18	50.42	0.30	2.63	-2.49
2676.31		-2676.31	-2.49	3.59e-03	0.0	114.8	366.16	11.38	0.30	2.63	32.31
872.72						229.7	374.14	-27.66	0.30	2.63	67.11
61.79						229.7	374.14	-27.66	0.30	2.63	67.11
85	2	814.94	51.62	-1.99e-03	-60.06	0.0	275.52	38.79	0.23	2.02	-1.92
2058.70		-2058.70	-1.92	2.76e-03	0.0	114.8	281.66	8.76	0.23	2.02	24.85
671.32						229.7	287.80	-21.27	0.23	2.02	51.62
47.53						229.7	287.80	-21.27	0.23	2.02	51.62
85	11	814.94	51.62	-1.99e-03	-60.06	0.0	275.52	38.79	0.23	2.02	-1.92
2058.70		-2058.70	-1.92	2.76e-03	0.0	114.8	281.66	8.76	0.23	2.02	24.85
671.32						229.7	287.80	-21.27	0.23	2.02	51.62
47.53						229.7	287.80	-21.27	0.23	2.02	51.62
85	41	832.86	87.56	1.60e-03	-60.06	0.0	178.55	42.60	0.54	1.85	-36.69
2633.54		-2633.54	-36.69	1.91e-03	0.0	114.8	184.69	12.57	0.54	1.85	25.43
534.14						229.7	190.83	-17.46	0.54	1.85	87.56

252.95													
85	42	852.55	32.86	-3.88e-03	-60.06	0.0	372.49	34.98	-0.07	2.20	32.86	-	
1483.85		-1483.85	15.69	3.61e-03	0.0	114.8	378.63	4.95	-0.07	2.20	24.27		
808.51							229.7	384.77	-25.09	-0.07	2.20	15.69	-
348.01													
85	73	823.76	74.12	7.99e-04	-60.06	0.0	211.36	41.31	0.42	1.92	-23.37	-	
2439.01		-2439.01	-23.37	2.21e-03	0.0	114.8	217.50	11.28	0.42	1.92	25.38		
580.57							229.7	223.64	-18.75	0.42	1.92	74.12	
151.29													
85	74	833.30	29.12	-3.24e-03	-60.06	0.0	339.69	36.27	0.04	2.13	19.53	-	
1678.38		-1678.38	19.53	3.31e-03	0.0	114.8	345.83	6.23	0.04	2.13	24.33		
762.07							229.7	351.96	-23.80	0.04	2.13	29.12	-
246.35													
85	80	814.94	51.62	-1.99e-03	-60.06	0.0	275.52	38.79	0.23	2.02	-1.92	-	
2058.70		-2058.70	-1.92	2.76e-03	0.0	114.8	281.66	8.76	0.23	2.02	24.85		
671.32							229.7	287.80	-21.27	0.23	2.02	51.62	-
47.53													
85	81	814.94	51.62	-1.99e-03	-60.06	0.0	275.52	38.79	0.23	2.02	-1.92	-	
2058.70		-2058.70	-1.92	2.76e-03	0.0	114.8	281.66	8.76	0.23	2.02	24.85		
671.32							229.7	287.80	-21.27	0.23	2.02	51.62	-
47.53													
85	82	814.94	51.62	-1.99e-03	-60.06	0.0	275.52	38.79	0.23	2.02	-1.92	-	
2058.70		-2058.70	-1.92	2.76e-03	0.0	114.8	281.66	8.76	0.23	2.02	24.85		
671.32							229.7	287.80	-21.27	0.23	2.02	51.62	-
47.53													
86	1	1059.42	67.11	-1.57e-03	-78.08	0.0	374.14	27.66	-0.30	-2.63	67.11	-	
61.79		-2676.31	-2.49	-3.59e-03	0.0	114.8	366.16	-11.38	-0.30	-2.63	32.31		
872.72							229.7	358.18	-50.42	-0.30	-2.63	-2.49	-
2676.31													
86	2	814.94	51.62	-1.21e-03	-60.06	0.0	287.80	21.27	-0.23	-2.02	51.62	-	
47.53		-2058.70	-1.92	-2.76e-03	0.0	114.8	281.66	-8.76	-0.23	-2.02	24.85		
671.32							229.7	275.52	-38.79	-0.23	-2.02	-1.92	-
2058.70													
86	11	814.94	51.62	-1.21e-03	-60.06	0.0	287.80	21.27	-0.23	-2.02	51.62	-	
47.53		-2058.70	-1.92	-2.76e-03	0.0	114.8	281.66	-8.76	-0.23	-2.02	24.85		
671.32							229.7	275.52	-38.79	-0.23	-2.02	-1.92	-
2058.70													
86	41	852.55	31.01	3.18e-03	-60.06	0.0	384.77	25.09	0.07	-2.00	14.62	-	
348.01		-1483.86	14.62	-3.81e-03	0.0	114.8	378.63	-4.95	0.07	-2.00	22.82		
808.51							229.7	372.49	-34.98	0.07	-2.00	31.01	-
1483.86													
86	42	832.86	88.62	-1.76e-03	-60.06	0.0	190.83	17.46	-0.54	-2.05	88.62		
252.94		-2633.54	-34.85	-1.70e-03	0.0	114.8	184.69	-12.57	-0.54	-2.05	26.89		
534.14							229.7	178.55	-42.60	-0.54	-2.05	-34.85	-
2633.54													
86	44	832.71	86.00	-1.76e-03	-60.06	0.0	191.21	17.48	-0.53	-1.87	86.00		
251.70		-2631.27	-35.20	-1.87e-03	0.0	114.8	185.07	-12.55	-0.53	-1.87	25.40		
534.65							229.7	178.93	-42.58	-0.53	-1.87	-35.20	-
2631.27													
86	73	833.30	28.49	2.37e-03	-60.06	0.0	351.96	23.80	-0.04	-2.02	28.49	-	
246.35		-1678.38	18.43	-3.43e-03	0.0	114.8	345.83	-6.23	-0.04	-2.02	23.46		

762.07												
						229.7	339.69	-36.27	-0.04	-2.02	18.43	-
1678.38												
86	74	823.76	74.76	-1.57e-03	-60.06	0.0	223.64	18.75	-0.42	-2.03	74.76	
151.29												
		-2439.02	-22.27	-2.09e-03	0.0	114.8	217.50	-11.28	-0.42	-2.03	26.24	
580.58												
						229.7	211.36	-41.31	-0.42	-2.03	-22.27	-
2439.02												
86	76	823.67	73.27	-1.58e-03	-60.06	0.0	223.87	18.76	-0.42	-1.93	73.27	
150.52												
		-2437.62	-22.49	-2.19e-03	0.0	114.8	217.73	-11.27	-0.42	-1.93	25.39	
580.89												
						229.7	211.59	-41.30	-0.42	-1.93	-22.49	-
2437.62												
86	80	814.94	51.62	-1.21e-03	-60.06	0.0	287.80	21.27	-0.23	-2.02	51.62	-
47.53												
		-2058.70	-1.92	-2.76e-03	0.0	114.8	281.66	-8.76	-0.23	-2.02	24.85	
671.32												
						229.7	275.52	-38.79	-0.23	-2.02	-1.92	-
2058.70												
86	81	814.94	51.62	-1.21e-03	-60.06	0.0	287.80	21.27	-0.23	-2.02	51.62	-
47.53												
		-2058.70	-1.92	-2.76e-03	0.0	114.8	281.66	-8.76	-0.23	-2.02	24.85	
671.32												
						229.7	275.52	-38.79	-0.23	-2.02	-1.92	-
2058.70												
86	82	814.94	51.62	-1.21e-03	-60.06	0.0	287.80	21.27	-0.23	-2.02	51.62	-
47.53												
		-2058.70	-1.92	-2.76e-03	0.0	114.8	281.66	-8.76	-0.23	-2.02	24.85	
671.32												
						229.7	275.52	-38.79	-0.23	-2.02	-1.92	-
2058.70												
87	1	1059.82	67.12	-2.59e-03	-78.10	0.0	358.35	50.43	0.30	2.63	-2.51	-
2677.19												
		-2677.19	-2.51	3.59e-03	0.0	114.9	366.33	11.38	0.30	2.63	32.30	
873.08												
						229.7	374.31	-27.66	0.30	2.63	67.12	-
61.94												
87	2	815.25	51.63	-2.00e-03	-60.07	0.0	275.65	38.79	0.23	2.02	-1.93	-
2059.38												
		-2059.38	-1.93	2.76e-03	0.0	114.9	281.79	8.76	0.23	2.02	24.85	
671.60												
						229.7	287.93	-21.28	0.23	2.02	51.63	-
47.65												
87	11	815.25	51.63	-2.00e-03	-60.07	0.0	275.65	38.79	0.23	2.02	-1.93	-
2059.38												
		-2059.38	-1.93	2.76e-03	0.0	114.9	281.79	8.76	0.23	2.02	24.85	
671.60												
						229.7	287.93	-21.28	0.23	2.02	51.63	-
47.65												
87	41	833.01	86.01	1.61e-03	-60.07	0.0	179.06	42.59	0.53	1.87	-35.20	-
2631.88												
		-2631.88	-35.20	1.87e-03	0.0	114.9	185.20	12.55	0.53	1.87	25.40	
534.96												
						229.7	191.34	-17.49	0.53	1.87	86.01	
251.56												
87	44	852.84	31.09	-3.88e-03	-60.07	0.0	372.62	34.98	-0.07	2.00	31.09	-
1484.59												
		-1484.59	14.49	3.81e-03	0.0	114.9	378.76	4.95	-0.07	2.00	22.79	
808.76												
						229.7	384.90	-25.09	-0.07	2.00	14.49	-
348.12												
87	47	833.15	88.76	1.60e-03	-60.07	0.0	178.68	42.60	0.54	2.05	-34.95	-
2634.17												
		-2634.17	-34.95	1.70e-03	0.0	114.9	184.82	12.57	0.54	2.05	26.91	
534.44												
						229.7	190.96	-17.47	0.54	2.05	88.76	
252.82												
87	73	823.96	73.29	8.03e-04	-60.07	0.0	211.72	41.31	0.42	1.93	-22.50	-
2438.26												
		-2438.26	-22.50	2.19e-03	0.0	114.9	217.86	11.27	0.42	1.93	25.39	
581.18												
						229.7	224.00	-18.77	0.42	1.93	73.29	
150.40												
87	76	833.60	28.40	-3.24e-03	-60.07	0.0	339.82	36.27	0.04	2.02	18.48	-

1679.09												
762.34		-1679.09	18.48	3.43e-03	0.0	114.9	345.96	6.24	0.04	2.02	23.44	
246.47						229.7	352.09	-23.80	0.04	2.02	28.40	-
87	79	824.05	74.85	7.97e-04	-60.07	0.0	211.49	41.31	0.42	2.03	-22.34	-
2439.67		-2439.67	-22.34	2.09e-03	0.0	114.9	217.63	11.28	0.42	2.03	26.25	
580.86						229.7	223.77	-18.76	0.42	2.03	74.85	
151.17												
87	80	815.25	51.63	-2.00e-03	-60.07	0.0	275.65	38.79	0.23	2.02	-1.93	-
2059.38		-2059.38	-1.93	2.76e-03	0.0	114.9	281.79	8.76	0.23	2.02	24.85	
671.60						229.7	287.93	-21.28	0.23	2.02	51.63	-
47.65												
87	81	815.25	51.63	-2.00e-03	-60.07	0.0	275.65	38.79	0.23	2.02	-1.93	-
2059.38		-2059.38	-1.93	2.76e-03	0.0	114.9	281.79	8.76	0.23	2.02	24.85	
671.60						229.7	287.93	-21.28	0.23	2.02	51.63	-
47.65												
87	82	815.25	51.63	-2.00e-03	-60.07	0.0	275.65	38.79	0.23	2.02	-1.93	-
2059.38		-2059.38	-1.93	2.76e-03	0.0	114.9	281.79	8.76	0.23	2.02	24.85	
671.60						229.7	287.93	-21.28	0.23	2.02	51.63	-
47.65												
88	1	1059.82	67.12	-1.57e-03	-78.10	0.0	374.31	27.66	-0.30	-2.63	67.12	-
61.94		-2677.19	-2.51	-3.59e-03	0.0	114.9	366.33	-11.38	-0.30	-2.63	32.30	
873.08						229.7	358.35	-50.43	-0.30	-2.63	-2.51	-
2677.19												
88	2	815.25	51.63	-1.21e-03	-60.07	0.0	287.93	21.28	-0.23	-2.02	51.63	-
47.65		-2059.38	-1.93	-2.76e-03	0.0	114.9	281.79	-8.76	-0.23	-2.02	24.85	
671.60						229.7	275.65	-38.79	-0.23	-2.02	-1.93	-
2059.38												
88	11	815.25	51.63	-1.21e-03	-60.07	0.0	287.93	21.28	-0.23	-2.02	51.63	-
47.65		-2059.38	-1.93	-2.76e-03	0.0	114.9	281.79	-8.76	-0.23	-2.02	24.85	
671.60						229.7	275.65	-38.79	-0.23	-2.02	-1.93	-
2059.38												
88	44	833.16	87.67	-1.76e-03	-60.07	0.0	190.96	17.47	-0.54	-1.85	87.67	
252.82		-2634.18	-36.83	-1.91e-03	0.0	114.9	184.82	-12.57	-0.54	-1.85	25.42	
534.44						229.7	178.68	-42.60	-0.54	-1.85	-36.83	-
2634.18												
88	47	852.84	32.97	3.18e-03	-60.07	0.0	384.90	25.09	0.07	-2.20	15.59	-
348.12		-1484.58	15.59	-3.61e-03	0.0	114.9	378.76	-4.95	0.07	-2.20	24.28	
808.76						229.7	372.62	-34.98	0.07	-2.20	32.97	-
1484.58												
88	76	824.05	74.20	-1.58e-03	-60.07	0.0	223.77	18.76	-0.42	-1.92	74.20	
151.17		-2439.67	-23.46	-2.21e-03	0.0	114.9	217.63	-11.28	-0.42	-1.92	25.37	
580.86						229.7	211.49	-41.31	-0.42	-1.92	-23.46	-
2439.67												
88	79	833.60	29.06	2.38e-03	-60.07	0.0	352.09	23.80	-0.04	-2.13	29.06	-
246.47		-1679.09	19.60	-3.31e-03	0.0	114.9	345.96	-6.24	-0.04	-2.13	24.33	
762.34						229.7	339.82	-36.27	-0.04	-2.13	19.60	-
1679.09												
88	80	815.25	51.63	-1.21e-03	-60.07	0.0	287.93	21.28	-0.23	-2.02	51.63	-
47.65		-2059.38	-1.93	-2.76e-03	0.0	114.9	281.79	-8.76	-0.23	-2.02	24.85	
671.60						229.7	275.65	-38.79	-0.23	-2.02	-1.93	-

2059.38													
88	81	815.25	51.63	-1.21e-03	-60.07	0.0	287.93	21.28	-0.23	-2.02	51.63	-	
47.65		-2059.38	-1.93	-2.76e-03	0.0	114.9	281.79	-8.76	-0.23	-2.02	24.85		
671.60						229.7	275.65	-38.79	-0.23	-2.02	-1.93	-	
2059.38													
88	82	815.25	51.63	-1.21e-03	-60.07	0.0	287.93	21.28	-0.23	-2.02	51.63	-	
47.65		-2059.38	-1.93	-2.76e-03	0.0	114.9	281.79	-8.76	-0.23	-2.02	24.85		
671.60						229.7	275.65	-38.79	-0.23	-2.02	-1.93	-	
2059.38													
89	1	1081.62	12.92	-2.82e-03	-78.08	0.0	355.08	50.92	-0.03	0.93	12.92	-	
2725.56		-2725.56	4.92	2.51e-03	0.0	114.8	363.06	11.88	-0.03	0.93	8.92		
880.63						229.7	371.04	-27.16	-0.03	0.93	4.92		
3.27													
89	2	832.01	9.94	-2.17e-03	-60.06	0.0	273.14	39.17	-0.03	0.71	9.94	-	
2096.58		-2096.58	3.78	1.93e-03	0.0	114.8	279.28	9.14	-0.03	0.71	6.86		
677.41						229.7	285.42	-20.89	-0.03	0.71	3.78		
2.52													
89	11	832.01	9.94	-2.17e-03	-60.06	0.0	273.14	39.17	-0.03	0.71	9.94	-	
2096.58		-2096.58	3.78	1.93e-03	0.0	114.8	279.28	9.14	-0.03	0.71	6.86		
677.41						229.7	285.42	-20.89	-0.03	0.71	3.78		
2.52													
89	34	845.68	66.21	-3.19e-03	-60.06	0.0	320.91	37.29	-0.51	0.85	66.21	-	
1813.37		-1813.37	-50.30	1.11e-03	0.0	114.8	327.05	7.26	-0.51	0.85	7.96		
744.98						229.7	333.19	-22.77	-0.51	0.85	-50.30	-	
145.55													
89	41	854.25	57.11	1.40e-03	-60.06	0.0	178.57	42.90	0.45	0.58	-45.64	-	
2659.14		-2659.14	-45.64	1.01e-03	0.0	114.8	184.71	12.86	0.45	0.58	5.73		
542.71						229.7	190.85	-17.17	0.45	0.58	57.11		
295.69													
89	42	862.86	65.52	-4.08e-03	-60.06	0.0	367.71	35.44	-0.50	0.85	65.52	-	
1534.02		-1534.02	-49.54	2.84e-03	0.0	114.8	373.85	5.41	-0.50	0.85	7.99		
812.10						229.7	379.99	-24.62	-0.50	0.85	-49.54	-	
290.66													
89	66	840.69	45.29	-2.82e-03	-60.06	0.0	303.55	37.97	-0.33	0.80	45.29	-	
1916.34		-1916.34	-30.33	1.39e-03	0.0	114.8	309.69	7.94	-0.33	0.80	7.48		
720.39						229.7	315.83	-22.09	-0.33	0.80	-30.33	-	
91.75													
89	73	845.55	36.11	-9.45e-04	-60.06	0.0	210.50	41.64	0.26	0.63	-23.68	-	
2469.20		-2469.20	-23.68	1.34e-03	0.0	114.8	216.64	11.61	0.26	0.63	6.22		
588.19						229.7	222.78	-18.42	0.26	0.63	36.11		
196.71													
89	74	850.37	43.56	-3.44e-03	-60.06	0.0	335.78	36.70	-0.31	0.79	43.56	-	
1723.97		-1723.97	-28.55	2.52e-03	0.0	114.8	341.92	6.67	-0.31	0.79	7.51		
766.62						229.7	348.06	-23.36	-0.31	0.79	-28.55	-	
191.68													
89	80	832.01	9.94	-2.17e-03	-60.06	0.0	273.14	39.17	-0.03	0.71	9.94	-	
2096.58		-2096.58	3.78	1.93e-03	0.0	114.8	279.28	9.14	-0.03	0.71	6.86		
677.41						229.7	285.42	-20.89	-0.03	0.71	3.78		
2.52													
89	81	832.01	9.94	-2.17e-03	-60.06	0.0	273.14	39.17	-0.03	0.71	9.94	-	
2096.58		-2096.58	3.78	1.93e-03	0.0	114.8	279.28	9.14	-0.03	0.71	6.86		

677.41							229.7	285.42	-20.89	-0.03	0.71	3.78	
2.52													
89	82	832.01	9.94	-2.17e-03	-60.06	0.0	273.14	39.17	-0.03	0.71	9.94	-	
2096.58		-2096.58	3.78	1.93e-03	0.0	114.8	279.28	9.14	-0.03	0.71	6.86		
677.41							229.7	285.42	-20.89	-0.03	0.71	3.78	
2.52													
90	1	1081.62	12.92	-1.50e-03	-78.08	0.0	371.04	27.16	0.03	-0.93	4.92		
3.27		-2725.56	4.92	-2.51e-03	0.0	114.8	363.06	-11.88	0.03	-0.93	8.92		
880.63							229.7	355.08	-50.92	0.03	-0.93	12.92	-
2725.56													
90	2	832.01	9.94	-1.16e-03	-60.06	0.0	285.42	20.89	0.03	-0.71	3.78		
2.52		-2096.58	3.78	-1.93e-03	0.0	114.8	279.28	-9.14	0.03	-0.71	6.86		
677.41							229.7	273.14	-39.17	0.03	-0.71	9.94	-
2096.58													
90	11	832.01	9.94	-1.16e-03	-60.06	0.0	285.42	20.89	0.03	-0.71	3.78		
2.52		-2096.58	3.78	-1.93e-03	0.0	114.8	279.28	-9.14	0.03	-0.71	6.86		
677.41							229.7	273.14	-39.17	0.03	-0.71	9.94	-
2096.58													
90	33	845.67	63.18	2.31e-03	-60.06	0.0	333.19	22.77	0.50	-0.66	-51.37	-	
145.57		-1813.35	-51.37	-1.24e-03	0.0	114.8	327.05	-7.26	0.50	-0.66	5.91		
744.98							229.7	320.92	-37.29	0.50	-0.66	63.18	-
1813.35													
90	39	845.59	64.92	2.31e-03	-60.06	0.0	332.86	22.76	0.50	-0.83	-49.35	-	
144.53		-1815.31	-49.35	-1.14e-03	0.0	114.8	326.72	-7.27	0.50	-0.83	7.79		
744.52							229.7	320.58	-37.31	0.50	-0.83	64.92	-
1815.31													
90	41	862.86	62.49	3.42e-03	-60.06	0.0	379.99	24.62	0.49	-0.66	-50.61	-	
290.69		-1534.00	-50.61	-2.98e-03	0.0	114.8	373.85	-5.41	0.49	-0.66	5.94		
812.09							229.7	367.71	-35.44	0.49	-0.66	62.49	-
1534.00													
90	42	854.26	58.18	-1.72e-03	-60.06	0.0	190.84	17.17	-0.44	-0.76	58.18		
295.72		-2659.16	-42.61	-8.79e-04	0.0	114.8	184.70	-12.86	-0.44	-0.76	7.78		
542.72							229.7	178.56	-42.90	-0.44	-0.76	-42.61	-
2659.16													
90	65	840.68	43.52	1.84e-03	-60.06	0.0	315.83	22.09	0.32	-0.69	-30.95	-	
91.76		-1916.33	-30.95	-1.47e-03	0.0	114.8	309.70	-7.94	0.32	-0.69	6.28		
720.39							229.7	303.56	-37.97	0.32	-0.69	43.52	-
1916.33													
90	71	840.63	44.43	1.85e-03	-60.06	0.0	315.62	22.08	0.32	-0.78	-29.72	-	
91.09		-1917.60	-29.72	-1.41e-03	0.0	114.8	309.48	-7.95	0.32	-0.78	7.36		
720.09							229.7	303.34	-37.98	0.32	-0.78	44.43	-
1917.60													
90	73	850.37	41.79	2.61e-03	-60.06	0.0	348.06	23.36	0.31	-0.68	-29.17	-	
191.69		-1723.96	-29.17	-2.60e-03	0.0	114.8	341.92	-6.67	0.31	-0.68	6.31		
766.61							229.7	335.78	-36.70	0.31	-0.68	41.79	-
1723.96													
90	74	845.56	36.74	-1.53e-03	-60.06	0.0	222.77	18.42	-0.26	-0.74	36.74		
196.72		-2469.21	-21.91	-1.26e-03	0.0	114.8	216.63	-11.61	-0.26	-0.74	7.41		
588.20							229.7	210.50	-41.64	-0.26	-0.74	-21.91	-
2469.21													
90	80	832.01	9.94	-1.16e-03	-60.06	0.0	285.42	20.89	0.03	-0.71	3.78		

2.52												
677.41		-2096.58	3.78	-1.93e-03	0.0	114.8	279.28	-9.14	0.03	-0.71	6.86	
						229.7	273.14	-39.17	0.03	-0.71	9.94	-
2096.58												
90	81	832.01	9.94	-1.16e-03	-60.06	0.0	285.42	20.89	0.03	-0.71	3.78	
2.52												
		-2096.58	3.78	-1.93e-03	0.0	114.8	279.28	-9.14	0.03	-0.71	6.86	
677.41												
						229.7	273.14	-39.17	0.03	-0.71	9.94	-
2096.58												
90	82	832.01	9.94	-1.16e-03	-60.06	0.0	285.42	20.89	0.03	-0.71	3.78	
2.52												
		-2096.58	3.78	-1.93e-03	0.0	114.8	279.28	-9.14	0.03	-0.71	6.86	
677.41												
						229.7	273.14	-39.17	0.03	-0.71	9.94	-
2096.58												
91	1	1082.01	12.91	-2.82e-03	-78.10	0.0	355.25	50.93	-0.03	0.93	12.91	-
2726.42												
		-2726.42	4.92	2.51e-03	0.0	114.9	363.23	11.88	-0.03	0.93	8.92	
880.98												
						229.7	371.21	-27.17	-0.03	0.93	4.92	
3.09												
91	2	832.31	9.93	-2.17e-03	-60.07	0.0	273.27	39.18	-0.03	0.71	9.93	-
2097.25												
		-2097.25	3.78	1.93e-03	0.0	114.9	279.41	9.14	-0.03	0.71	6.86	
677.68												
						229.7	285.55	-20.90	-0.03	0.71	3.78	
2.38												
91	11	832.31	9.93	-2.17e-03	-60.07	0.0	273.27	39.18	-0.03	0.71	9.93	-
2097.25												
		-2097.25	3.78	1.93e-03	0.0	114.9	279.41	9.14	-0.03	0.71	6.86	
677.68												
						229.7	285.55	-20.90	-0.03	0.71	3.78	
2.38												
91	34	845.87	65.09	-3.19e-03	-60.07	0.0	320.70	37.31	-0.50	0.83	65.09	-
1816.06												
		-1816.06	-49.53	1.14e-03	0.0	114.9	326.84	7.28	-0.50	0.83	7.78	
744.77												
						229.7	332.98	-22.76	-0.50	0.83	-49.53	-
144.64												
91	36	845.94	63.17	-3.19e-03	-60.07	0.0	321.02	37.30	-0.50	0.66	63.17	-
1814.21												
		-1814.21	-51.37	1.24e-03	0.0	114.9	327.16	7.26	-0.50	0.66	5.90	
745.19												
						229.7	333.30	-22.77	-0.50	0.66	-51.37	-
145.64												
91	44	863.13	62.40	-4.08e-03	-60.07	0.0	367.84	35.45	-0.49	0.66	62.40	-
1534.73												
		-1534.73	-50.52	2.98e-03	0.0	114.9	373.98	5.41	-0.49	0.66	5.94	
812.34												
						229.7	380.12	-24.62	-0.49	0.66	-50.52	-
290.82												
91	47	854.55	58.09	1.39e-03	-60.07	0.0	178.70	42.90	0.44	0.76	-42.53	-
2659.77												
		-2659.77	-42.53	8.79e-04	0.0	114.9	184.83	12.86	0.44	0.76	7.78	
543.02												
						229.7	190.97	-17.17	0.44	0.76	58.09	
295.57												
91	66	840.92	44.51	-2.82e-03	-60.07	0.0	303.46	37.99	-0.32	0.78	44.51	-
1918.32												
		-1918.32	-29.81	1.41e-03	0.0	114.9	309.60	7.95	-0.32	0.78	7.35	
720.35												
						229.7	315.74	-22.08	-0.32	0.78	-29.81	-
91.21												
91	68	840.97	43.50	-2.82e-03	-60.07	0.0	303.67	37.98	-0.32	0.69	43.50	-
1917.11												
		-1917.11	-30.95	1.47e-03	0.0	114.9	309.81	7.95	-0.32	0.69	6.28	
720.63												
						229.7	315.95	-22.09	-0.32	0.69	-30.95	-
91.86												
91	76	850.66	41.74	-3.44e-03	-60.07	0.0	335.91	36.71	-0.31	0.68	41.74	-
1724.65												
		-1724.65	-29.12	2.60e-03	0.0	114.9	342.05	6.67	-0.31	0.68	6.31	
766.87												
						229.7	348.19	-23.36	-0.31	0.68	-29.12	-

191.83													
91	79	845.85	36.69	-9.46e-04	-60.07	0.0	210.63	41.64	0.25	0.74	-21.87	-	
2469.84		-2469.84	-21.87	1.26e-03	0.0	114.9	216.76	11.61	0.25	0.74	7.41		
588.48						229.7	222.90	-18.43	0.25	0.74	36.69		
196.58													
91	80	832.31	9.93	-2.17e-03	-60.07	0.0	273.27	39.18	-0.03	0.71	9.93	-	
2097.25		-2097.25	3.78	1.93e-03	0.0	114.9	279.41	9.14	-0.03	0.71	6.86		
677.68						229.7	285.55	-20.90	-0.03	0.71	3.78		
2.38													
91	81	832.31	9.93	-2.17e-03	-60.07	0.0	273.27	39.18	-0.03	0.71	9.93	-	
2097.25		-2097.25	3.78	1.93e-03	0.0	114.9	279.41	9.14	-0.03	0.71	6.86		
677.68						229.7	285.55	-20.90	-0.03	0.71	3.78		
2.38													
91	82	832.31	9.93	-2.17e-03	-60.07	0.0	273.27	39.18	-0.03	0.71	9.93	-	
2097.25		-2097.25	3.78	1.93e-03	0.0	114.9	279.41	9.14	-0.03	0.71	6.86		
677.68						229.7	285.55	-20.90	-0.03	0.71	3.78		
2.38													
92	1	1082.01	12.91	-1.51e-03	-78.10	0.0	371.21	27.17	0.03	-0.93	4.92		
3.09		-2726.42	4.92	-2.51e-03	0.0	114.9	363.23	-11.88	0.03	-0.93	8.92		
880.98						229.7	355.25	-50.93	0.03	-0.93	12.91	-	
2726.42													
92	2	832.31	9.93	-1.16e-03	-60.07	0.0	285.55	20.90	0.03	-0.71	3.78		
2.38		-2097.25	3.78	-1.93e-03	0.0	114.9	279.41	-9.14	0.03	-0.71	6.86		
677.68						229.7	273.27	-39.18	0.03	-0.71	9.93	-	
2097.25													
92	11	832.31	9.93	-1.16e-03	-60.07	0.0	285.55	20.90	0.03	-0.71	3.78		
2.38		-2097.25	3.78	-1.93e-03	0.0	114.9	279.41	-9.14	0.03	-0.71	6.86		
677.68						229.7	273.27	-39.18	0.03	-0.71	9.93	-	
2097.25													
92	33	845.87	62.63	2.31e-03	-60.07	0.0	332.98	22.76	0.49	-0.68	-50.41	-	
144.65		-1816.05	-50.41	-1.25e-03	0.0	114.9	326.84	-7.28	0.49	-0.68	6.11		
744.76						229.7	320.70	-37.31	0.49	-0.68	62.63	-	
1816.05													
92	39	845.95	66.20	2.31e-03	-60.07	0.0	333.30	22.77	0.51	-0.85	-50.30	-	
145.62		-1814.23	-50.30	-1.11e-03	0.0	114.9	327.16	-7.26	0.51	-0.85	7.95		
745.19						229.7	321.02	-37.30	0.51	-0.85	66.20	-	
1814.23													
92	44	854.54	57.02	-1.72e-03	-60.07	0.0	190.98	17.17	-0.45	-0.58	57.02		
295.55		-2659.75	-45.57	-1.01e-03	0.0	114.9	184.84	-12.86	-0.45	-0.58	5.73		
543.01						229.7	178.70	-42.90	-0.45	-0.58	-45.57	-	
2659.75													
92	47	863.13	65.43	3.42e-03	-60.07	0.0	380.12	24.62	0.50	-0.85	-49.45	-	
290.80		-1534.75	-49.45	-2.84e-03	0.0	114.9	373.98	-5.41	0.50	-0.85	7.99		
812.34						229.7	367.84	-35.45	0.50	-0.85	65.43	-	
1534.75													
92	71	840.97	45.27	1.84e-03	-60.07	0.0	315.95	22.09	0.33	-0.79	-30.32	-	
91.85		-1917.12	-30.32	-1.39e-03	0.0	114.9	309.81	-7.95	0.33	-0.79	7.47		
720.63						229.7	303.67	-37.98	0.33	-0.79	45.27	-	
1917.12													
92	76	845.84	36.07	-1.53e-03	-60.07	0.0	222.91	18.43	-0.26	-0.63	36.07		
196.57		-2469.83	-23.64	-1.34e-03	0.0	114.9	216.77	-11.61	-0.26	-0.63	6.21		

588.48													
						229.7	210.63	-41.64	-0.26	-0.63	-23.64	-	
2469.83													
92	79	850.66	43.51	2.61e-03	-60.07	0.0	348.19	23.36	0.31	-0.79	-28.50	-	
191.82													
		-1724.66	-28.50	-2.52e-03	0.0	114.9	342.05	-6.67	0.31	-0.79	7.50	-	
766.87													
						229.7	335.91	-36.71	0.31	-0.79	43.51	-	
1724.66													
92	80	832.31	9.93	-1.16e-03	-60.07	0.0	285.55	20.90	0.03	-0.71	3.78	-	
2.38													
		-2097.25	3.78	-1.93e-03	0.0	114.9	279.41	-9.14	0.03	-0.71	6.86	-	
677.68													
						229.7	273.27	-39.18	0.03	-0.71	9.93	-	
2097.25													
92	81	832.31	9.93	-1.16e-03	-60.07	0.0	285.55	20.90	0.03	-0.71	3.78	-	
2.38													
		-2097.25	3.78	-1.93e-03	0.0	114.9	279.41	-9.14	0.03	-0.71	6.86	-	
677.68													
						229.7	273.27	-39.18	0.03	-0.71	9.93	-	
2097.25													
92	82	832.31	9.93	-1.16e-03	-60.07	0.0	285.55	20.90	0.03	-0.71	3.78	-	
2.38													
		-2097.25	3.78	-1.93e-03	0.0	114.9	279.41	-9.14	0.03	-0.71	6.86	-	
677.68													
						229.7	273.27	-39.18	0.03	-0.71	9.93	-	
2097.25													
93	1	1084.10	5.11	-2.85e-03	-78.08	0.0	354.84	50.98	-2.12e-03	0.44	5.11	-	
2731.10													
		-2731.10	4.63	7.76e-04	0.0	114.8	362.82	11.94	-2.12e-03	0.44	4.87	-	
881.50													
						229.7	370.80	-27.10	-2.12e-03	0.44	4.63	-	
10.57													
93	2	833.92	3.93	-2.19e-03	-60.06	0.0	272.96	39.21	-1.63e-03	0.34	3.93	-	
2100.85													
		-2100.85	3.56	5.97e-04	0.0	114.8	279.10	9.18	-1.63e-03	0.34	3.75	-	
678.08													
						229.7	285.23	-20.85	-1.63e-03	0.34	3.56	-	
8.13													
93	11	833.92	3.93	-2.19e-03	-60.06	0.0	272.96	39.21	-1.63e-03	0.34	3.93	-	
2100.85													
		-2100.85	3.56	5.97e-04	0.0	114.8	279.10	9.18	-1.63e-03	0.34	3.75	-	
678.08													
						229.7	285.23	-20.85	-1.63e-03	0.34	3.56	-	
8.13													
93	33	847.61	67.01	-9.71e-04	-60.06	0.0	213.20	41.56	0.56	0.19	-61.99	-	
2455.10													
		-2455.10	-61.99	1.42e-03	0.0	114.8	219.34	11.53	0.56	0.19	2.51	-	
593.54													
						229.7	225.48	-18.50	0.56	0.19	67.01	-	
193.30													
93	34	851.04	69.86	-3.45e-03	-60.06	0.0	332.71	36.86	-0.56	0.49	69.86	-	
1746.59													
		-1746.59	-59.89	-2.25e-04	0.0	114.8	338.85	6.83	-0.56	0.49	4.98	-	
762.62													
						229.7	344.99	-23.20	-0.56	0.49	-59.89	-	
177.04													
93	41	854.77	43.26	1.21e-03	-60.06	0.0	186.68	42.61	-0.35	0.20	43.26	-	
2613.14													
		-2613.14	-37.99	-3.61e-04	0.0	114.8	192.82	12.58	-0.35	0.20	2.63	-	
555.64													
						229.7	198.95	-17.45	-0.35	0.20	-37.99	-	
275.55													
93	42	858.90	45.11	-3.96e-03	-60.06	0.0	359.24	35.82	0.35	0.48	-35.39	-	
1588.55													
		-1588.55	-35.39	1.56e-03	0.0	114.8	365.37	5.79	0.35	0.48	4.86	-	
800.52													
						229.7	371.51	-24.24	0.35	0.48	45.11	-	
259.29													
93	65	841.79	43.61	-1.40e-03	-60.06	0.0	234.23	40.73	0.35	0.25	-37.57	-	
2330.36													
		-2330.36	-37.57	1.14e-03	0.0	114.8	240.37	10.70	0.35	0.25	3.02	-	
623.32													
						229.7	246.51	-19.33	0.35	0.25	43.61	-	
128.13													
93	66	844.99	45.44	-3.01e-03	-60.06	0.0	311.68	37.69	-0.36	0.43	45.44	-	

1871.33												
732.84		-1871.33	-36.50	7.40e-05	0.0	114.8	317.82	7.66	-0.36	0.43	4.47	
						229.7	323.96	-22.37	-0.36	0.43	-36.50	-
111.87												
93	73	846.73	29.13	-1.05e-03	-60.06	0.0	215.94	41.46	-0.23	0.26	29.13	-
2439.39												
		-2439.39	-22.94	-6.07e-05	0.0	114.8	222.07	11.43	-0.23	0.26	3.09	
597.18												
						229.7	228.21	-18.61	-0.23	0.26	-22.94	
184.86												
93	74	850.42	30.06	-3.36e-03	-60.06	0.0	329.98	36.97	0.22	0.42	-21.26	-
1762.30												
		-1762.30	-21.26	1.22e-03	0.0	114.8	336.12	6.94	0.22	0.42	4.40	
758.98												
						229.7	342.25	-23.09	0.22	0.42	30.06	-
168.61												
93	80	833.92	3.93	-2.19e-03	-60.06	0.0	272.96	39.21	-1.63e-03	0.34	3.93	-
2100.85												
		-2100.85	3.56	5.97e-04	0.0	114.8	279.10	9.18	-1.63e-03	0.34	3.75	
678.08												
						229.7	285.23	-20.85	-1.63e-03	0.34	3.56	
8.13												
93	81	833.92	3.93	-2.19e-03	-60.06	0.0	272.96	39.21	-1.63e-03	0.34	3.93	-
2100.85												
		-2100.85	3.56	5.97e-04	0.0	114.8	279.10	9.18	-1.63e-03	0.34	3.75	
678.08												
						229.7	285.23	-20.85	-1.63e-03	0.34	3.56	
8.13												
93	82	833.92	3.93	-2.19e-03	-60.06	0.0	272.96	39.21	-1.63e-03	0.34	3.93	-
2100.85												
		-2100.85	3.56	5.97e-04	0.0	114.8	279.10	9.18	-1.63e-03	0.34	3.75	
678.08												
						229.7	285.23	-20.85	-1.63e-03	0.34	3.56	
8.13												
94	1	1084.10	5.11	-1.50e-03	-78.08	0.0	370.80	27.10	2.12e-03	-0.44	4.63	
10.57												
		-2731.10	4.63	-7.76e-04	0.0	114.8	362.82	-11.94	2.12e-03	-0.44	4.87	
881.50												
						229.7	354.84	-50.98	2.12e-03	-0.44	5.11	-
2731.10												
94	2	833.92	3.93	-1.15e-03	-60.06	0.0	285.23	20.85	1.63e-03	-0.34	3.56	
8.13												
		-2100.85	3.56	-5.97e-04	0.0	114.8	279.10	-9.18	1.63e-03	-0.34	3.75	
678.08												
						229.7	272.96	-39.21	1.63e-03	-0.34	3.93	-
2100.85												
94	11	833.92	3.93	-1.15e-03	-60.06	0.0	285.23	20.85	1.63e-03	-0.34	3.56	
8.13												
		-2100.85	3.56	-5.97e-04	0.0	114.8	279.10	-9.18	1.63e-03	-0.34	3.75	
678.08												
						229.7	272.96	-39.21	1.63e-03	-0.34	3.93	-
2100.85												
94	36	847.57	67.48	-1.54e-03	-60.06	0.0	225.59	18.50	-0.56	-0.21	67.48	
192.94												
		-2454.44	-62.14	-1.39e-03	0.0	114.8	219.45	-11.53	-0.56	-0.21	2.67	
593.69												
						229.7	213.31	-41.56	-0.56	-0.21	-62.14	-
2454.44												
94	39	851.01	70.00	2.64e-03	-60.06	0.0	344.88	23.19	0.57	-0.47	-60.36	-
176.69												
		-1747.25	-60.36	1.98e-04	0.0	114.8	338.74	-6.84	0.57	-0.47	4.82	
762.47												
						229.7	332.60	-36.87	0.57	-0.47	70.00	-
1747.25												
94	41	858.86	44.02	3.28e-03	-60.06	0.0	371.52	24.24	-0.36	-0.28	44.02	-
259.39												
		-1588.47	-38.43	-1.66e-03	0.0	114.8	365.38	-5.79	-0.36	-0.28	2.79	
800.50												
						229.7	359.24	-35.82	-0.36	-0.28	-38.43	-
1588.47												
94	42	854.82	46.30	-1.69e-03	-60.06	0.0	198.95	17.45	0.36	-0.40	-36.90	-
275.65												
		-2613.22	-36.90	4.63e-04	0.0	114.8	192.81	-12.58	0.36	-0.40	4.70	
555.65												
						229.7	186.67	-42.61	0.36	-0.40	46.30	-

2613.22													
94	47	858.87	44.64	3.28e-03	-60.06	0.0	371.40	24.24	-0.35	-0.46	44.64	-	
258.94		-1589.21	-35.25	-1.58e-03	0.0	114.8	365.26	-5.79	-0.35	-0.46	4.69		
800.36						229.7	359.12	-35.82	-0.35	-0.46	-35.25	-	
1589.21													
94	68	841.76	43.72	-1.41e-03	-60.06	0.0	246.59	19.33	-0.35	-0.26	43.72		
127.88		-2329.90	-37.44	-1.12e-03	0.0	114.8	240.45	-10.70	-0.35	-0.26	3.14		
623.43						229.7	234.31	-40.73	-0.35	-0.26	-37.44	-	
2329.90													
94	71	844.97	45.31	2.08e-03	-60.06	0.0	323.88	22.37	0.36	-0.42	-36.61	-	
111.63		-1871.79	-36.61	-1.35e-04	0.0	114.8	317.74	-7.66	0.36	-0.42	4.35		
732.73						229.7	311.60	-37.69	0.36	-0.42	45.31	-	
1871.79													
94	73	850.40	29.42	2.52e-03	-60.06	0.0	342.26	23.09	-0.23	-0.30	29.42	-	
168.67		-1762.26	-23.04	-1.28e-03	0.0	114.8	336.12	-6.94	-0.23	-0.30	3.19		
758.98						229.7	329.98	-36.97	-0.23	-0.30	-23.04	-	
1762.26													
94	74	846.75	30.90	-1.51e-03	-60.06	0.0	228.21	18.61	0.23	-0.38	-22.30		
184.92		-2439.43	-22.30	8.09e-05	0.0	114.8	222.07	-11.43	0.23	-0.38	4.30		
597.18						229.7	215.93	-41.46	0.23	-0.38	30.90	-	
2439.43													
94	79	850.40	29.95	2.52e-03	-60.06	0.0	342.18	23.09	-0.22	-0.41	29.95	-	
168.36		-1762.76	-21.39	-1.23e-03	0.0	114.8	336.04	-6.94	-0.22	-0.41	4.28		
758.88						229.7	329.90	-36.97	-0.22	-0.41	-21.39	-	
1762.76													
94	80	833.92	3.93	-1.15e-03	-60.06	0.0	285.23	20.85	1.63e-03	-0.34	3.56		
8.13		-2100.85	3.56	-5.97e-04	0.0	114.8	279.10	-9.18	1.63e-03	-0.34	3.75		
678.08						229.7	272.96	-39.21	1.63e-03	-0.34	3.93	-	
2100.85													
94	81	833.92	3.93	-1.15e-03	-60.06	0.0	285.23	20.85	1.63e-03	-0.34	3.56		
8.13		-2100.85	3.56	-5.97e-04	0.0	114.8	279.10	-9.18	1.63e-03	-0.34	3.75		
678.08						229.7	272.96	-39.21	1.63e-03	-0.34	3.93	-	
2100.85													
94	82	833.92	3.93	-1.15e-03	-60.06	0.0	285.23	20.85	1.63e-03	-0.34	3.56		
8.13		-2100.85	3.56	-5.97e-04	0.0	114.8	279.10	-9.18	1.63e-03	-0.34	3.75		
678.08						229.7	272.96	-39.21	1.63e-03	-0.34	3.93	-	
2100.85													
95	1	1084.49	5.11	-2.85e-03	-78.10	0.0	355.01	50.99	-2.12e-03	0.44	5.11	-	
2731.97		-2731.97	4.62	7.76e-04	0.0	114.9	362.99	11.94	-2.12e-03	0.44	4.87		
881.86						229.7	370.97	-27.11	-2.12e-03	0.44	4.62		
10.39													
95	2	834.22	3.93	-2.19e-03	-60.07	0.0	273.09	39.22	-1.63e-03	0.34	3.93	-	
2101.51		-2101.51	3.56	5.97e-04	0.0	114.9	279.23	9.18	-1.63e-03	0.34	3.74		
678.35						229.7	285.36	-20.85	-1.63e-03	0.34	3.56		
7.99													
95	11	834.22	3.93	-2.19e-03	-60.07	0.0	273.09	39.22	-1.63e-03	0.34	3.93	-	
2101.51		-2101.51	3.56	5.97e-04	0.0	114.9	279.23	9.18	-1.63e-03	0.34	3.74		
678.35						229.7	285.36	-20.85	-1.63e-03	0.34	3.56		
7.99													
95	33	847.86	67.41	-9.72e-04	-60.07	0.0	213.47	41.56	0.56	0.21	-62.06	-	
2454.91		-2454.91	-62.06	1.39e-03	0.0	114.9	219.61	11.52	0.56	0.21	2.67		

594.02													
192.72						229.7	225.74	-18.51	0.56	0.21	67.41		
95	34	851.29	69.93	-3.45e-03	-60.07	0.0	332.71	36.88	-0.57	0.47	69.93	-	
1748.11		-1748.11	-60.29	-1.98e-04	0.0	114.9	338.85	6.84	-0.57	0.47	4.82		
762.69						229.7	344.98	-23.20	-0.57	0.47	-60.29	-	
176.75													
95	44	859.16	44.31	-3.96e-03	-60.07	0.0	359.38	35.82	0.36	0.28	-38.73	-	
1589.06		-1589.06	-38.73	1.66e-03	0.0	114.9	365.52	5.79	0.36	0.28	2.79		
800.79						229.7	371.66	-24.25	0.36	0.28	44.31	-	
259.58													
95	47	855.10	46.59	1.21e-03	-60.07	0.0	186.79	42.61	-0.36	0.40	46.59	-	
2613.96		-2613.96	-37.20	-4.64e-04	0.0	114.9	192.93	12.58	-0.36	0.40	4.70		
555.91						229.7	199.07	-17.46	-0.36	0.40	-37.20	-	
275.56													
95	65	842.04	43.69	-1.40e-03	-60.07	0.0	234.45	40.74	0.35	0.26	-37.41	-	
2330.47		-2330.47	-37.41	1.12e-03	0.0	114.9	240.59	10.70	0.35	0.26	3.14		
623.73						229.7	246.73	-19.34	0.35	0.26	43.69	-	
127.70													
95	66	845.26	45.28	-3.01e-03	-60.07	0.0	311.72	37.70	-0.36	0.42	45.28	-	
1872.56		-1872.56	-36.58	8.64e-05	0.0	114.9	317.86	7.66	-0.36	0.42	4.35		
732.97						229.7	324.00	-22.37	-0.36	0.42	-36.58	-	
111.73													
95	76	850.69	29.56	-3.37e-03	-60.07	0.0	330.12	36.98	0.23	0.30	-23.18	-	
1762.88		-1762.88	-23.18	1.28e-03	0.0	114.9	336.26	6.94	0.23	0.30	3.19		
759.26						229.7	342.40	-23.10	0.23	0.30	29.56	-	
168.84													
95	79	847.03	31.05	-1.06e-03	-60.07	0.0	216.05	41.46	-0.23	0.38	31.05	-	
2440.15		-2440.15	-22.45	-9.09e-05	0.0	114.9	222.19	11.43	-0.23	0.38	4.30		
597.45						229.7	228.33	-18.61	-0.23	0.38	-22.45	-	
184.81													
95	80	834.22	3.93	-2.19e-03	-60.07	0.0	273.09	39.22	-1.63e-03	0.34	3.93	-	
2101.51		-2101.51	3.56	5.97e-04	0.0	114.9	279.23	9.18	-1.63e-03	0.34	3.74		
678.35						229.7	285.36	-20.85	-1.63e-03	0.34	3.56	-	
7.99													
95	81	834.22	3.93	-2.19e-03	-60.07	0.0	273.09	39.22	-1.63e-03	0.34	3.93	-	
2101.51		-2101.51	3.56	5.97e-04	0.0	114.9	279.23	9.18	-1.63e-03	0.34	3.74		
678.35						229.7	285.36	-20.85	-1.63e-03	0.34	3.56	-	
7.99													
95	82	834.22	3.93	-2.19e-03	-60.07	0.0	273.09	39.22	-1.63e-03	0.34	3.93	-	
2101.51		-2101.51	3.56	5.97e-04	0.0	114.9	279.23	9.18	-1.63e-03	0.34	3.74		
678.35						229.7	285.36	-20.85	-1.63e-03	0.34	3.56	-	
7.99													
96	1	1084.49	5.11	-1.50e-03	-78.10	0.0	370.97	27.11	2.12e-03	-0.44	4.62		
10.39		-2731.97	4.62	-7.76e-04	0.0	114.9	362.99	-11.94	2.12e-03	-0.44	4.87		
881.86						229.7	355.01	-50.99	2.12e-03	-0.44	5.11	-	
2731.97													
96	2	834.22	3.93	-1.16e-03	-60.07	0.0	285.36	20.85	1.63e-03	-0.34	3.56		
7.99		-2101.51	3.56	-5.97e-04	0.0	114.9	279.23	-9.18	1.63e-03	-0.34	3.74		
678.35						229.7	273.09	-39.22	1.63e-03	-0.34	3.93	-	
2101.51													
96	11	834.22	3.93	-1.16e-03	-60.07	0.0	285.36	20.85	1.63e-03	-0.34	3.56		

7.99												
678.35		-2101.51	3.56	-5.97e-04	0.0	114.9	279.23	-9.18	1.63e-03	-0.34	3.74	
						229.7	273.09	-39.22	1.63e-03	-0.34	3.93	-
2101.51												
96	36	847.89	66.88	-1.54e-03	-60.07	0.0	225.62	18.51	-0.56	-0.19	66.88	
193.12												
		-2455.71	-61.86	-1.42e-03	0.0	114.9	219.48	-11.53	-0.56	-0.19	2.51	
593.82												
						229.7	213.34	-41.57	-0.56	-0.19	-61.86	-
2455.71												
96	39	851.33	69.72	2.64e-03	-60.07	0.0	345.11	23.20	0.56	-0.49	-59.77	-
177.15												
		-1747.32	-59.77	2.26e-04	0.0	114.9	338.97	-6.83	0.56	-0.49	4.98	
762.88												
						229.7	332.84	-36.87	0.56	-0.49	69.72	-
1747.32												
96	44	855.05	43.56	-1.69e-03	-60.07	0.0	199.07	17.46	0.36	-0.20	-38.28	
275.45												
		-2613.88	-38.28	3.62e-04	0.0	114.9	192.93	-12.58	0.36	-0.20	2.64	
555.90												
						229.7	186.79	-42.61	0.36	-0.20	43.56	-
2613.88												
96	47	859.20	45.40	3.28e-03	-60.07	0.0	371.66	24.25	-0.35	-0.48	45.40	-
259.47												
		-1589.14	-35.69	-1.56e-03	0.0	114.9	365.52	-5.79	-0.35	-0.48	4.85	
800.81												
						229.7	359.38	-35.82	-0.35	-0.48	-35.69	-
1589.14												
96	68	842.06	43.55	-1.41e-03	-60.07	0.0	246.64	19.33	-0.35	-0.25	43.55	
127.97												
		-2331.00	-37.51	-1.14e-03	0.0	114.9	240.50	-10.70	-0.35	-0.25	3.02	
623.60												
						229.7	234.36	-40.74	-0.35	-0.25	-37.51	-
2331.00												
96	71	845.29	45.37	2.08e-03	-60.07	0.0	324.09	22.38	0.36	-0.43	-36.44	-
112.00												
		-1872.03	-36.44	-1.25e-04	0.0	114.9	317.95	-7.66	0.36	-0.43	4.47	
733.10												
						229.7	311.81	-37.70	0.36	-0.43	45.37	-
1872.03												
96	76	847.01	29.27	-1.51e-03	-60.07	0.0	228.33	18.61	0.23	-0.26	-23.08	
184.75												
		-2440.10	-23.08	-3.89e-05	0.0	114.9	222.20	-11.43	0.23	-0.26	3.09	
597.44												
						229.7	216.06	-41.46	0.23	-0.26	29.27	-
2440.10												
96	79	850.71	30.20	2.52e-03	-60.07	0.0	342.39	23.10	-0.22	-0.42	30.20	-
168.77												
		-1762.93	-21.41	-1.22e-03	0.0	114.9	336.26	-6.94	-0.22	-0.42	4.39	
759.26												
						229.7	330.12	-36.98	-0.22	-0.42	-21.41	-
1762.93												
96	80	834.22	3.93	-1.16e-03	-60.07	0.0	285.36	20.85	1.63e-03	-0.34	3.56	
7.99												
		-2101.51	3.56	-5.97e-04	0.0	114.9	279.23	-9.18	1.63e-03	-0.34	3.74	
678.35												
						229.7	273.09	-39.22	1.63e-03	-0.34	3.93	-
2101.51												
96	81	834.22	3.93	-1.16e-03	-60.07	0.0	285.36	20.85	1.63e-03	-0.34	3.56	
7.99												
		-2101.51	3.56	-5.97e-04	0.0	114.9	279.23	-9.18	1.63e-03	-0.34	3.74	
678.35												
						229.7	273.09	-39.22	1.63e-03	-0.34	3.93	-
2101.51												
96	82	834.22	3.93	-1.16e-03	-60.07	0.0	285.36	20.85	1.63e-03	-0.34	3.56	
7.99												
		-2101.51	3.56	-5.97e-04	0.0	114.9	279.23	-9.18	1.63e-03	-0.34	3.74	
678.35												
						229.7	273.09	-39.22	1.63e-03	-0.34	3.93	-
2101.51												
97	1	1084.11	1.49e-03	-2.85e-03	-78.08	0.0	354.83	50.98	-1.10e-05	9.75e-05	1.49e-03	-
2731.10												
		-2731.10	-1.04e-03	0.0	0.0	114.8	362.81	11.94	-1.10e-05	9.75e-05	2.27e-04	
881.51												
						229.7	370.79	-27.10	-1.10e-05	9.75e-05	-1.04e-03	

10.58													
97	2	833.93	1.15e-03	-2.19e-03	-60.06	0.0	272.95	39.21	-8.47e-06	7.50e-05	1.15e-03	-	
2100.85		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	9.18	-8.47e-06	7.50e-05	1.75e-04		
678.08						229.7	285.22	-20.85	-8.47e-06	7.50e-05	-7.98e-04		
8.14													
97	11	833.93	1.15e-03	-2.19e-03	-60.06	0.0	272.95	39.21	-8.47e-06	7.50e-05	1.15e-03	-	
2100.85		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	9.18	-8.47e-06	7.50e-05	1.75e-04		
678.08						229.7	285.22	-20.85	-8.47e-06	7.50e-05	-7.98e-04		
8.14													
97	32	854.61	40.61	-3.72e-03	-60.06	0.0	345.22	36.37	-0.36	-0.08	40.61	-	
1672.33		-1672.33	-42.69	-9.76e-04	0.0	114.8	351.36	6.34	-0.36	-0.08	-1.04		
780.33						229.7	357.50	-23.69	-0.36	-0.08	-42.69	-	
215.88													
97	33	851.12	65.16	9.06e-04	-60.06	0.0	200.68	42.05	0.58	-0.15	-67.52	-	
2529.31		-2529.31	-67.52	8.23e-04	0.0	114.8	206.82	12.02	0.58	-0.15	-1.18		
575.85						229.7	212.96	-18.01	0.58	-0.15	65.16		
232.13													
97	34	854.60	67.52	-3.72e-03	-60.06	0.0	345.21	36.37	-0.58	0.15	67.52	-	
1672.39		-1672.39	-65.16	-8.23e-04	0.0	114.8	351.35	6.34	-0.58	0.15	1.18		
780.31						229.7	357.49	-23.69	-0.58	0.15	-65.16	-	
215.86													
97	35	851.12	42.68	9.06e-04	-60.06	0.0	200.67	42.05	0.36	0.08	-40.61	-	
2529.36		-2529.36	-40.61	9.76e-04	0.0	114.8	206.81	12.02	0.36	0.08	1.04		
575.83						229.7	212.95	-18.01	0.36	0.08	42.68		
232.15													
97	46	854.61	66.66	-3.72e-03	-60.06	0.0	345.22	36.37	0.57	0.04	-65.22	-	
1672.34		-1672.34	-65.22	7.23e-04	0.0	114.8	351.35	6.34	0.57	0.04	0.72		
780.33						229.7	357.49	-23.69	0.57	0.04	66.66	-	
215.87													
97	64	847.51	27.45	-3.19e-03	-60.06	0.0	320.44	37.35	-0.24	-0.04	27.45	-	
1819.25		-1819.25	-28.66	-6.31e-04	0.0	114.8	326.58	7.31	-0.24	-0.04	-0.61		
745.27						229.7	332.72	-22.72	-0.24	-0.04	-28.66	-	
139.09													
97	65	844.24	41.57	-1.22e-03	-60.06	0.0	225.45	41.08	0.37	-0.09	-42.96	-	
2382.41		-2382.41	-42.96	5.41e-04	0.0	114.8	231.59	11.05	0.37	-0.09	-0.70		
610.91						229.7	237.73	-18.98	0.37	-0.09	41.57		
155.35													
97	66	847.51	42.97	-3.19e-03	-60.06	0.0	320.44	37.35	-0.37	0.09	42.97	-	
1819.28		-1819.28	-41.57	-5.41e-04	0.0	114.8	326.58	7.32	-0.37	0.09	0.70		
745.26						229.7	332.72	-22.72	-0.37	0.09	-41.57	-	
139.08													
97	67	844.24	28.66	-1.22e-03	-60.06	0.0	225.45	41.08	0.24	0.04	-27.45	-	
2382.44		-2382.44	-27.45	6.31e-04	0.0	114.8	231.58	11.05	0.24	0.04	0.61		
610.90						229.7	237.72	-18.98	0.24	0.04	28.66		
155.36													
97	69	844.24	27.92	-1.22e-03	-60.06	0.0	225.45	41.08	0.25	-0.07	-28.89	-	
2382.44		-2382.44	-28.89	6.85e-04	0.0	114.8	231.58	11.05	0.25	-0.07	-0.49		
610.90						229.7	237.72	-18.98	0.25	-0.07	27.92		
155.36													
97	78	847.51	42.27	-3.19e-03	-60.06	0.0	320.44	37.35	0.36	0.02	-41.48	-	
1819.26		-1819.26	-41.48	4.87e-04	0.0	114.8	326.58	7.32	0.36	0.02	0.40		

745.27							229.7	332.72	-22.72	0.36	0.02	42.27	-
139.08							0.0	272.95	39.21	-8.47e-06	7.50e-05	1.15e-03	-
97	80	833.93	1.15e-03	-2.19e-03	-60.06								
2100.85		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	9.18	-8.47e-06	7.50e-05	1.75e-04		
678.08							229.7	285.22	-20.85	-8.47e-06	7.50e-05	-7.98e-04	
8.14													
97	81	833.93	1.15e-03	-2.19e-03	-60.06		0.0	272.95	39.21	-8.47e-06	7.50e-05	1.15e-03	-
2100.85		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	9.18	-8.47e-06	7.50e-05	1.75e-04		
678.08							229.7	285.22	-20.85	-8.47e-06	7.50e-05	-7.98e-04	
8.14													
97	82	833.93	1.15e-03	-2.19e-03	-60.06		0.0	272.95	39.21	-8.47e-06	7.50e-05	1.15e-03	-
2100.85		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	9.18	-8.47e-06	7.50e-05	1.75e-04		
678.08							229.7	285.22	-20.85	-8.47e-06	7.50e-05	-7.98e-04	
8.14													
98	1	1084.11	1.49e-03	-1.50e-03	-78.08	0.0	370.79	27.10	1.10e-05	-9.75e-05	-1.04e-03		
10.58		-2731.10	-1.04e-03	0.0	0.0	114.8	362.81	-11.94	1.10e-05	-9.75e-05	2.27e-04		
881.51							229.7	354.83	-50.98	1.10e-05	-9.75e-05	1.49e-03	-
2731.10													
98	2	833.93	1.15e-03	-1.15e-03	-60.06	0.0	285.22	20.85	8.47e-06	-7.50e-05	-7.98e-04		
8.14		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	-9.18	8.47e-06	-7.50e-05	1.75e-04		
678.08							229.7	272.95	-39.21	8.47e-06	-7.50e-05	1.15e-03	-
2100.85													
98	11	833.93	1.15e-03	-1.15e-03	-60.06	0.0	285.22	20.85	8.47e-06	-7.50e-05	-7.98e-04		
8.14		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	-9.18	8.47e-06	-7.50e-05	1.75e-04		
678.08							229.7	272.95	-39.21	8.47e-06	-7.50e-05	1.15e-03	-
2100.85													
98	32	851.12	41.63	-1.62e-03	-60.06	0.0	212.95	18.01	-0.37	0.13	41.63		
232.15		-2529.36	-43.55	-1.07e-03	0.0	114.8	206.81	-12.02	-0.37	0.13	-0.96		
575.83							229.7	200.67	-42.05	-0.37	0.13	-43.55	-
2529.36													
98	35	854.61	43.56	2.98e-03	-60.06	0.0	357.50	23.69	0.37	-0.13	-41.63		
215.88		-1672.33	-41.63	1.07e-03	0.0	114.8	351.36	-6.34	0.37	-0.13	0.96		
780.33							229.7	345.22	-36.37	0.37	-0.13	43.56	-
1672.33													
98	36	851.12	65.81	-1.62e-03	-60.06	0.0	212.96	18.01	-0.58	0.13	65.81		
232.13		-2529.30	-67.95	-7.97e-04	0.0	114.8	206.82	-12.02	-0.58	0.13	-1.07		
575.85							229.7	200.68	-42.05	-0.58	0.13	-67.95	-
2529.30													
98	37	854.61	40.18	2.98e-03	-60.06	0.0	357.50	23.69	0.36	0.06	-42.04		
215.88		-1672.33	-42.04	1.00e-03	0.0	114.8	351.36	-6.34	0.36	0.06	-0.93		
780.33							229.7	345.22	-36.37	0.36	0.06	40.18	-
1672.33													
98	38	851.12	42.04	-1.62e-03	-60.06	0.0	212.95	18.01	-0.36	-0.06	42.04		
232.15		-2529.36	-40.17	-1.00e-03	0.0	114.8	206.81	-12.02	-0.36	-0.06	0.93		
575.83							229.7	200.67	-42.05	-0.36	-0.06	-40.17	-
2529.36													
98	39	854.60	67.95	2.98e-03	-60.06	0.0	357.49	23.69	0.58	-0.13	-65.81		
215.86		-1672.39	-65.81	7.97e-04	0.0	114.8	351.35	-6.34	0.58	-0.13	1.07		
780.31							229.7	345.21	-36.37	0.58	-0.13	67.95	-
1672.39													
98	64	844.24	28.04	-1.46e-03	-60.06	0.0	237.72	18.98	-0.25	0.08	28.04		

155.36												
610.90		-2382.44	-29.19	-6.84e-04	0.0	114.8	231.58	-11.05	-0.25	0.08	-0.57	
						229.7	225.45	-41.08	-0.25	0.08	-29.19	-
2382.44												
98	67	847.51	29.19	2.31e-03	-60.06	0.0	332.72	22.72	0.25	-0.08	-28.04	-
139.09		-1819.25	-28.04	6.84e-04	0.0	114.8	326.58	-7.31	0.25	-0.08	0.57	
745.27						229.7	320.44	-37.35	0.25	-0.08	29.19	-
1819.25												
98	68	844.24	41.78	-1.46e-03	-60.06	0.0	237.73	18.98	-0.37	0.08	41.78	
155.35		-2382.41	-42.99	-5.28e-04	0.0	114.8	231.59	-11.05	-0.37	0.08	-0.61	
610.91						229.7	225.45	-41.08	-0.37	0.08	-42.99	-
2382.41												
98	69	847.51	27.42	2.31e-03	-60.06	0.0	332.72	22.72	0.24	0.03	-28.45	-
139.09		-1819.25	-28.45	6.43e-04	0.0	114.8	326.58	-7.31	0.24	0.03	-0.51	
745.27						229.7	320.44	-37.35	0.24	0.03	27.42	-
1819.25												
98	70	844.24	28.45	-1.46e-03	-60.06	0.0	237.72	18.98	-0.24	-0.03	28.45	
155.36		-2382.44	-27.42	-6.43e-04	0.0	114.8	231.58	-11.05	-0.24	-0.03	0.52	
610.90						229.7	225.45	-41.08	-0.24	-0.03	-27.42	-
2382.44												
98	71	847.51	43.00	2.31e-03	-60.06	0.0	332.72	22.72	0.37	-0.08	-41.78	-
139.08		-1819.29	-41.78	5.28e-04	0.0	114.8	326.58	-7.32	0.37	-0.08	0.61	
745.26						229.7	320.44	-37.35	0.37	-0.08	43.00	-
1819.29												
98	80	833.93	1.15e-03	-1.15e-03	-60.06	0.0	285.22	20.85	8.47e-06	-7.50e-05	-7.98e-04	
8.14		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	-9.18	8.47e-06	-7.50e-05	1.75e-04	
678.08						229.7	272.95	-39.21	8.47e-06	-7.50e-05	1.15e-03	-
2100.85												
98	81	833.93	1.15e-03	-1.15e-03	-60.06	0.0	285.22	20.85	8.47e-06	-7.50e-05	-7.98e-04	
8.14		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	-9.18	8.47e-06	-7.50e-05	1.75e-04	
678.08						229.7	272.95	-39.21	8.47e-06	-7.50e-05	1.15e-03	-
2100.85												
98	82	833.93	1.15e-03	-1.15e-03	-60.06	0.0	285.22	20.85	8.47e-06	-7.50e-05	-7.98e-04	
8.14		-2100.85	-7.98e-04	0.0	0.0	114.8	279.08	-9.18	8.47e-06	-7.50e-05	1.75e-04	
678.08						229.7	272.95	-39.21	8.47e-06	-7.50e-05	1.15e-03	-
2100.85												
99	1	1084.49	1.49e-03	-2.85e-03	-78.10	0.0	355.00	50.99	-1.10e-05	9.75e-05	1.49e-03	-
2731.97		-2731.97	-1.04e-03	0.0	0.0	114.9	362.98	11.94	-1.10e-05	9.75e-05	2.26e-04	
881.86						229.7	370.96	-27.11	-1.10e-05	9.75e-05	-1.04e-03	
10.40												
99	2	834.22	1.15e-03	-2.19e-03	-60.07	0.0	273.08	39.22	-8.47e-06	7.50e-05	1.15e-03	-
2101.51		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	9.18	-8.47e-06	7.50e-05	1.74e-04	
678.36						229.7	285.35	-20.85	-8.47e-06	7.50e-05	-7.99e-04	
8.00												
99	11	834.22	1.15e-03	-2.19e-03	-60.07	0.0	273.08	39.22	-8.47e-06	7.50e-05	1.15e-03	-
2101.51		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	9.18	-8.47e-06	7.50e-05	1.74e-04	
678.36						229.7	285.35	-20.85	-8.47e-06	7.50e-05	-7.99e-04	
8.00												
99	40	854.90	65.82	-3.72e-03	-60.07	0.0	345.35	36.38	0.58	-0.13	-67.97	-
1673.00		-1673.00	-67.97	7.97e-04	0.0	114.9	351.49	6.34	0.58	-0.13	-1.07	
780.60						229.7	357.63	-23.69	0.58	-0.13	65.82	-

216.03 99 2530.03	43	851.40	67.97	9.05e-04	-60.07	0.0	200.80	42.06	-0.58	0.13	67.97	-
576.11		-2530.03	-65.83	-7.97e-04	0.0	114.9	206.94	12.02	-0.58	0.13	1.07	
232.02 99 2530.06	45	851.39	64.58	9.06e-04	-60.07	0.0	200.80	42.06	-0.57	-0.06	64.58	-
576.10		-2530.06	-66.22	-7.33e-04	0.0	114.9	206.94	12.02	-0.57	-0.06	-0.82	
232.02 99 1672.96	46	854.91	66.22	-3.72e-03	-60.07	0.0	345.35	36.38	0.57	0.06	-64.57	-
780.62		-1672.96	-64.57	7.33e-04	0.0	114.9	351.49	6.34	0.57	0.06	0.82	
216.03 99 1819.92	72	847.80	41.80	-3.20e-03	-60.07	0.0	320.58	37.35	0.37	-0.08	-43.01	-
745.54		-1819.92	-43.01	5.28e-04	0.0	114.9	326.72	7.32	0.37	-0.08	-0.61	
139.24 99 2383.11	75	844.52	43.01	-1.22e-03	-60.07	0.0	225.57	41.09	-0.37	0.08	43.01	-
611.17		-2383.11	-41.80	-5.28e-04	0.0	114.9	231.71	11.05	-0.37	0.08	0.61	
155.23 99 2383.13	77	844.51	41.24	-1.22e-03	-60.07	0.0	225.57	41.09	-0.36	-0.03	41.24	-
611.16		-2383.13	-42.20	-4.88e-04	0.0	114.9	231.71	11.05	-0.36	-0.03	-0.48	
155.23 99 1819.90	78	847.81	42.20	-3.20e-03	-60.07	0.0	320.58	37.35	0.36	0.03	-41.23	-
745.55		-1819.90	-41.23	4.88e-04	0.0	114.9	326.72	7.32	0.36	0.03	0.48	
139.24 99 2101.51	80	834.22	1.15e-03	-2.19e-03	-60.07	0.0	273.08	39.22	-8.47e-06	7.50e-05	1.15e-03	-
678.36		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	9.18	-8.47e-06	7.50e-05	1.74e-04	
8.00 99 2101.51	81	834.22	1.15e-03	-2.19e-03	-60.07	0.0	273.08	39.22	-8.47e-06	7.50e-05	1.15e-03	-
678.36		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	9.18	-8.47e-06	7.50e-05	1.74e-04	
8.00 99 2101.51	82	834.22	1.15e-03	-2.19e-03	-60.07	0.0	273.08	39.22	-8.47e-06	7.50e-05	1.15e-03	-
678.36		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	9.18	-8.47e-06	7.50e-05	1.74e-04	
8.00 100 10.40	1	1084.49	1.49e-03	-1.50e-03	-78.10	0.0	370.96	27.11	1.10e-05	-9.75e-05	-1.04e-03	
881.86		-2731.97	-1.04e-03	0.0	0.0	114.9	362.98	-11.94	1.10e-05	-9.75e-05	2.26e-04	
2731.97 100 8.00	2	834.22	1.15e-03	-1.15e-03	-60.07	0.0	285.35	20.85	8.47e-06	-7.50e-05	-7.99e-04	
678.36		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	-9.18	8.47e-06	-7.50e-05	1.74e-04	
2101.51 100 8.00	11	834.22	1.15e-03	-1.15e-03	-60.07	0.0	285.35	20.85	8.47e-06	-7.50e-05	-7.99e-04	
		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	-9.18	8.47e-06	-7.50e-05	1.74e-04	

678.36													
						229.7	273.08	-39.22	8.47e-06	-7.50e-05	1.15e-03	-	
2101.51													
100	45	854.91	65.16	2.98e-03	-60.07	0.0	357.63	23.70	-0.58	0.15	65.16	-	
216.03													
		-1672.96	-67.53	-8.24e-04	0.0	114.9	351.49	-6.34	-0.58	0.15	-1.18	-	
780.62													
						229.7	345.35	-36.38	-0.58	0.15	-67.53	-	
1672.96													
100	46	851.39	67.53	-1.62e-03	-60.07	0.0	213.07	18.01	0.58	-0.15	-65.16	-	
232.02													
		-2530.06	-65.16	8.24e-04	0.0	114.9	206.94	-12.02	0.58	-0.15	1.18	-	
576.10													
						229.7	200.80	-42.06	0.58	-0.15	67.53	-	
2530.06													
100	77	847.81	41.57	2.31e-03	-60.07	0.0	332.86	22.72	-0.37	0.09	41.57	-	
139.24													
		-1819.90	-42.97	-5.41e-04	0.0	114.9	326.72	-7.32	-0.37	0.09	-0.70	-	
745.55													
						229.7	320.58	-37.35	-0.37	0.09	-42.97	-	
1819.90													
100	78	844.51	42.98	-1.46e-03	-60.07	0.0	237.85	18.99	0.37	-0.09	-41.58	-	
155.23													
		-2383.13	-41.58	5.41e-04	0.0	114.9	231.71	-11.05	0.37	-0.09	0.70	-	
611.16													
						229.7	225.57	-41.09	0.37	-0.09	42.98	-	
2383.13													
100	80	834.22	1.15e-03	-1.15e-03	-60.07	0.0	285.35	20.85	8.47e-06	-7.50e-05	-7.99e-04	-	
8.00													
		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	-9.18	8.47e-06	-7.50e-05	1.74e-04	-	
678.36													
						229.7	273.08	-39.22	8.47e-06	-7.50e-05	1.15e-03	-	
2101.51													
100	81	834.22	1.15e-03	-1.15e-03	-60.07	0.0	285.35	20.85	8.47e-06	-7.50e-05	-7.99e-04	-	
8.00													
		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	-9.18	8.47e-06	-7.50e-05	1.74e-04	-	
678.36													
						229.7	273.08	-39.22	8.47e-06	-7.50e-05	1.15e-03	-	
2101.51													
100	82	834.22	1.15e-03	-1.15e-03	-60.07	0.0	285.35	20.85	8.47e-06	-7.50e-05	-7.99e-04	-	
8.00													
		-2101.51	-7.99e-04	0.0	0.0	114.9	279.21	-9.18	8.47e-06	-7.50e-05	1.74e-04	-	
678.36													
						229.7	273.08	-39.22	8.47e-06	-7.50e-05	1.15e-03	-	
2101.51													
101	1	1084.10	-4.62	-2.85e-03	-78.08	0.0	354.84	50.98	2.13e-03	-0.44	-5.11	-	
2731.10													
		-2731.10	-5.11	-7.76e-04	0.0	114.8	362.82	11.94	2.13e-03	-0.44	-4.87	-	
881.50													
						229.7	370.80	-27.10	2.13e-03	-0.44	-4.62	-	
10.57													
101	2	833.93	-3.56	-2.19e-03	-60.06	0.0	272.96	39.21	1.64e-03	-0.34	-3.93	-	
2100.85													
		-2100.85	-3.93	-5.97e-04	0.0	114.8	279.09	9.18	1.64e-03	-0.34	-3.75	-	
678.08													
						229.7	285.23	-20.85	1.64e-03	-0.34	-3.56	-	
8.13													
101	11	833.93	-3.56	-2.19e-03	-60.06	0.0	272.96	39.21	1.64e-03	-0.34	-3.93	-	
2100.85													
		-2100.85	-3.93	-5.97e-04	0.0	114.8	279.09	9.18	1.64e-03	-0.34	-3.75	-	
678.08													
						229.7	285.23	-20.85	1.64e-03	-0.34	-3.56	-	
8.13													
101	32	858.90	35.30	-3.96e-03	-60.06	0.0	359.24	35.82	-0.35	-0.48	35.30	-	
1588.53													
		-1588.53	-45.02	-1.56e-03	0.0	114.8	365.38	5.79	-0.35	-0.48	-4.86	-	
800.52													
						229.7	371.52	-24.24	-0.35	-0.48	-45.02	-	
259.30													
101	35	854.77	37.90	1.21e-03	-60.06	0.0	186.67	42.61	0.35	-0.20	-43.17	-	
2613.16													
		-2613.16	-43.17	3.61e-04	0.0	114.8	192.81	12.58	0.35	-0.20	-2.63	-	
555.64													
						229.7	198.95	-17.45	0.35	-0.20	37.90	-	
275.56													
101	40	851.03	59.87	-3.45e-03	-60.06	0.0	332.70	36.86	0.56	-0.49	-69.83	-	

1746.68												
762.60		-1746.68	-69.83	2.26e-04	0.0	114.8	338.84	6.83	0.56	-0.49	-4.98	
						229.7	344.98	-23.20	0.56	-0.49	59.87	-
177.00												
101	43	847.61	61.96	-9.71e-04	-60.06	0.0	213.21	41.56	-0.56	-0.19	61.96	-
2455.02		-2455.02	-66.98	-1.42e-03	0.0	114.8	219.35	11.53	-0.56	-0.19	-2.51	
593.56						229.7	225.49	-18.50	-0.56	-0.19	-66.98	
193.26												
101	64	850.42	21.22	-3.36e-03	-60.06	0.0	329.98	36.97	-0.22	-0.42	21.22	-
1762.29		-1762.29	-30.02	-1.22e-03	0.0	114.8	336.12	6.94	-0.22	-0.42	-4.40	
758.99						229.7	342.26	-23.09	-0.22	-0.42	-30.02	-
168.61												
101	67	846.73	22.90	-1.05e-03	-60.06	0.0	215.93	41.46	0.23	-0.26	-29.09	-
2439.41		-2439.41	-29.09	6.06e-05	0.0	114.8	222.07	11.43	0.23	-0.26	-3.09	
597.17						229.7	228.21	-18.61	0.23	-0.26	22.90	
184.87												
101	72	844.99	36.49	-3.01e-03	-60.06	0.0	311.68	37.69	0.36	-0.43	-45.43	-
1871.38		-1871.38	-45.43	-7.39e-05	0.0	114.8	317.81	7.66	0.36	-0.43	-4.47	
732.83						229.7	323.95	-22.37	0.36	-0.43	36.49	-
111.85												
101	75	841.79	37.56	-1.40e-03	-60.06	0.0	234.24	40.73	-0.35	-0.25	37.56	-
2330.32		-2330.32	-43.61	-1.14e-03	0.0	114.8	240.38	10.70	-0.35	-0.25	-3.02	
623.33						229.7	246.51	-19.33	-0.35	-0.25	-43.61	
128.11												
101	80	833.93	-3.56	-2.19e-03	-60.06	0.0	272.96	39.21	1.64e-03	-0.34	-3.93	-
2100.85		-2100.85	-3.93	-5.97e-04	0.0	114.8	279.09	9.18	1.64e-03	-0.34	-3.75	
678.08						229.7	285.23	-20.85	1.64e-03	-0.34	-3.56	
8.13												
101	81	833.93	-3.56	-2.19e-03	-60.06	0.0	272.96	39.21	1.64e-03	-0.34	-3.93	-
2100.85		-2100.85	-3.93	-5.97e-04	0.0	114.8	279.09	9.18	1.64e-03	-0.34	-3.75	
678.08						229.7	285.23	-20.85	1.64e-03	-0.34	-3.56	
8.13												
101	82	833.93	-3.56	-2.19e-03	-60.06	0.0	272.96	39.21	1.64e-03	-0.34	-3.93	-
2100.85		-2100.85	-3.93	-5.97e-04	0.0	114.8	279.09	9.18	1.64e-03	-0.34	-3.75	
678.08						229.7	285.23	-20.85	1.64e-03	-0.34	-3.56	
8.13												
102	1	1084.10	-4.62	-1.50e-03	-78.08	0.0	370.80	27.10	-2.13e-03	0.44	-4.62	
10.57		-2731.10	-5.11	7.76e-04	0.0	114.8	362.82	-11.94	-2.13e-03	0.44	-4.87	
881.50						229.7	354.84	-50.98	-2.13e-03	0.44	-5.11	-
2731.10												
102	2	833.93	-3.56	-1.15e-03	-60.06	0.0	285.23	20.85	-1.64e-03	0.34	-3.56	
8.13		-2100.85	-3.93	5.97e-04	0.0	114.8	279.09	-9.18	-1.64e-03	0.34	-3.75	
678.08						229.7	272.96	-39.21	-1.64e-03	0.34	-3.93	-
2100.85												
102	11	833.93	-3.56	-1.15e-03	-60.06	0.0	285.23	20.85	-1.64e-03	0.34	-3.56	
8.13		-2100.85	-3.93	5.97e-04	0.0	114.8	279.09	-9.18	-1.64e-03	0.34	-3.75	
678.08						229.7	272.96	-39.21	-1.64e-03	0.34	-3.93	-
2100.85												
102	32	854.82	36.81	-1.69e-03	-60.06	0.0	198.95	17.45	-0.36	0.40	36.81	
275.66		-2613.24	-46.21	-4.63e-04	0.0	114.8	192.81	-12.58	-0.36	0.40	-4.70	
555.65						229.7	186.67	-42.61	-0.36	0.40	-46.21	-

2613.24													
102	35	858.87	38.34	3.28e-03	-60.06	0.0	371.52	24.24	0.36	0.28	-43.93	-	
259.40		-1588.45	-43.93	1.66e-03	0.0	114.8	365.38	-5.79	0.36	0.28	-2.79		
800.51						229.7	359.24	-35.82	0.36	0.28	38.34	-	
1588.45													
102	45	850.99	60.23	2.65e-03	-60.06	0.0	344.84	23.19	-0.57	0.47	60.23	-	
176.58		-1747.50	-69.87	-1.99e-04	0.0	114.8	338.70	-6.84	-0.57	0.47	-4.82		
762.40						229.7	332.57	-36.87	-0.57	0.47	-69.87	-	
1747.50													
102	46	847.58	62.00	-1.54e-03	-60.06	0.0	225.62	18.51	0.56	0.21	-67.35	-	
192.84		-2454.19	-67.35	1.39e-03	0.0	114.8	219.49	-11.52	0.56	0.21	-2.67		
593.76						229.7	213.35	-41.56	0.56	0.21	62.00	-	
2454.19													
102	64	846.75	22.26	-1.51e-03	-60.06	0.0	228.21	18.61	-0.23	0.38	22.26	-	
184.93		-2439.45	-30.86	-8.08e-05	0.0	114.8	222.07	-11.43	-0.23	0.38	-4.30		
597.18						229.7	215.93	-41.46	-0.23	0.38	-30.86	-	
2439.45													
102	67	850.40	23.00	2.52e-03	-60.06	0.0	342.26	23.09	0.23	0.30	-29.38	-	
168.67		-1762.25	-29.38	1.27e-03	0.0	114.8	336.12	-6.94	0.23	0.30	-3.19		
758.98						229.7	329.98	-36.97	0.23	0.30	23.00	-	
1762.25													
102	77	844.96	36.54	2.08e-03	-60.06	0.0	323.86	22.37	-0.36	0.42	36.54	-	
111.57		-1871.93	-45.24	1.35e-04	0.0	114.8	317.72	-7.66	-0.36	0.42	-4.35		
732.69						229.7	311.59	-37.70	-0.36	0.42	-45.24	-	
1871.93													
102	78	841.77	37.37	-1.41e-03	-60.06	0.0	246.60	19.33	0.35	0.26	-43.65	-	
127.83		-2329.77	-43.65	1.12e-03	0.0	114.8	240.47	-10.70	0.35	0.26	-3.14		
623.47						229.7	234.33	-40.73	0.35	0.26	37.37	-	
2329.77													
102	80	833.93	-3.56	-1.15e-03	-60.06	0.0	285.23	20.85	-1.64e-03	0.34	-3.56	-	
8.13		-2100.85	-3.93	5.97e-04	0.0	114.8	279.09	-9.18	-1.64e-03	0.34	-3.75		
678.08						229.7	272.96	-39.21	-1.64e-03	0.34	-3.93	-	
2100.85													
102	81	833.93	-3.56	-1.15e-03	-60.06	0.0	285.23	20.85	-1.64e-03	0.34	-3.56	-	
8.13		-2100.85	-3.93	5.97e-04	0.0	114.8	279.09	-9.18	-1.64e-03	0.34	-3.75		
678.08						229.7	272.96	-39.21	-1.64e-03	0.34	-3.93	-	
2100.85													
102	82	833.93	-3.56	-1.15e-03	-60.06	0.0	285.23	20.85	-1.64e-03	0.34	-3.56	-	
8.13		-2100.85	-3.93	5.97e-04	0.0	114.8	279.09	-9.18	-1.64e-03	0.34	-3.75		
678.08						229.7	272.96	-39.21	-1.64e-03	0.34	-3.93	-	
2100.85													
103	1	1084.49	-4.62	-2.85e-03	-78.10	0.0	355.01	50.99	2.12e-03	-0.44	-5.11	-	
2731.97		-2731.97	-5.11	-7.76e-04	0.0	114.9	362.99	11.94	2.12e-03	-0.44	-4.87		
881.86						229.7	370.97	-27.11	2.12e-03	-0.44	-4.62	-	
10.39													
103	2	834.22	-3.56	-2.19e-03	-60.07	0.0	273.09	39.22	1.63e-03	-0.34	-3.93	-	
2101.51		-2101.51	-3.93	-5.97e-04	0.0	114.9	279.23	9.18	1.63e-03	-0.34	-3.74		
678.35						229.7	285.36	-20.85	1.63e-03	-0.34	-3.56	-	
7.99													
103	11	834.22	-3.56	-2.19e-03	-60.07	0.0	273.09	39.22	1.63e-03	-0.34	-3.93	-	
2101.51		-2101.51	-3.93	-5.97e-04	0.0	114.9	279.23	9.18	1.63e-03	-0.34	-3.74		

678.35													
7.99						229.7	285.36	-20.85	1.63e-03	-0.34	-3.56		
103	32	859.16	35.36	-3.97e-03	-60.07	0.0	359.25	35.83	-0.35	-0.46	35.36	-	
1589.91		-1589.91	-44.74	-1.58e-03	0.0	114.9	365.39	5.79	-0.35	-0.46	-4.69		
800.62						229.7	371.53	-24.24	-0.35	-0.46	-44.74	-	
259.07													
103	37	855.11	37.04	1.21e-03	-60.07	0.0	186.80	42.61	0.36	-0.40	-46.43	-	
2613.89		-2613.89	-46.43	4.63e-04	0.0	114.9	192.94	12.58	0.36	-0.40	-4.69		
555.94						229.7	199.07	-17.46	0.36	-0.40	37.04		
275.54													
103	38	859.15	38.57	-3.96e-03	-60.07	0.0	359.38	35.82	-0.36	-0.28	38.57	-	
1589.14		-1589.14	-44.16	-1.66e-03	0.0	114.9	365.52	5.79	-0.36	-0.28	-2.79		
800.77						229.7	371.65	-24.25	-0.36	-0.28	-44.16	-	
259.55													
103	40	851.29	60.28	-3.45e-03	-60.07	0.0	332.71	36.88	0.57	-0.47	-69.92	-	
1748.11		-1748.11	-69.92	1.98e-04	0.0	114.9	338.84	6.84	0.57	-0.47	-4.82		
762.69						229.7	344.98	-23.20	0.57	-0.47	60.28	-	
176.74													
103	43	847.86	62.05	-9.72e-04	-60.07	0.0	213.47	41.56	-0.56	-0.21	62.05	-	
2454.92		-2454.92	-67.40	-1.39e-03	0.0	114.9	219.61	11.52	-0.56	-0.21	-2.67		
594.02						229.7	225.75	-18.51	-0.56	-0.21	-67.40	-	
192.72													
103	64	850.69	21.44	-3.37e-03	-60.07	0.0	330.03	36.98	-0.22	-0.41	21.44	-	
1763.45		-1763.45	-30.00	-1.23e-03	0.0	114.9	336.17	6.94	-0.22	-0.41	-4.28		
759.14						229.7	342.31	-23.09	-0.22	-0.41	-30.00	-	
168.50													
103	69	847.04	22.37	-1.06e-03	-60.07	0.0	216.06	41.46	0.23	-0.38	-30.97	-	
2440.11		-2440.11	-30.97	9.07e-05	0.0	114.9	222.20	11.43	0.23	-0.38	-4.30		
597.46						229.7	228.34	-18.61	0.23	-0.38	22.37		
184.80													
103	70	850.69	23.11	-3.37e-03	-60.07	0.0	330.11	36.98	-0.23	-0.30	23.11	-	
1762.92		-1762.92	-29.49	-1.27e-03	0.0	114.9	336.25	6.94	-0.23	-0.30	-3.19		
759.24						229.7	342.39	-23.10	-0.23	-0.30	-29.49	-	
168.82													
103	72	845.26	36.57	-3.01e-03	-60.07	0.0	311.72	37.70	0.36	-0.42	-45.27	-	
1872.56		-1872.56	-45.27	-8.62e-05	0.0	114.9	317.86	7.66	0.36	-0.42	-4.35		
732.98						229.7	324.00	-22.37	0.36	-0.42	36.57	-	
111.72													
103	75	842.04	37.41	-1.40e-03	-60.07	0.0	234.45	40.74	-0.35	-0.26	37.41	-	
2330.47		-2330.47	-43.69	-1.12e-03	0.0	114.9	240.59	10.70	-0.35	-0.26	-3.14		
623.73						229.7	246.73	-19.34	-0.35	-0.26	-43.69	-	
127.70													
103	80	834.22	-3.56	-2.19e-03	-60.07	0.0	273.09	39.22	1.63e-03	-0.34	-3.93	-	
2101.51		-2101.51	-3.93	-5.97e-04	0.0	114.9	279.23	9.18	1.63e-03	-0.34	-3.74		
678.35						229.7	285.36	-20.85	1.63e-03	-0.34	-3.56		
7.99													
103	81	834.22	-3.56	-2.19e-03	-60.07	0.0	273.09	39.22	1.63e-03	-0.34	-3.93	-	
2101.51		-2101.51	-3.93	-5.97e-04	0.0	114.9	279.23	9.18	1.63e-03	-0.34	-3.74		
678.35						229.7	285.36	-20.85	1.63e-03	-0.34	-3.56		
7.99													
103	82	834.22	-3.56	-2.19e-03	-60.07	0.0	273.09	39.22	1.63e-03	-0.34	-3.93	-	

2101.51												
678.35		-2101.51	-3.93	-5.97e-04	0.0	114.9	279.23	9.18	1.63e-03	-0.34	-3.74	
						229.7	285.36	-20.85	1.63e-03	-0.34	-3.56	
7.99												
104	1	1084.49	-4.62	-1.50e-03	-78.10	0.0	370.97	27.11	-2.12e-03	0.44	-4.62	
10.39												
		-2731.97	-5.11	7.76e-04	0.0	114.9	362.99	-11.94	-2.12e-03	0.44	-4.87	
881.86												
						229.7	355.01	-50.99	-2.12e-03	0.44	-5.11	-
2731.97												
104	2	834.22	-3.56	-1.16e-03	-60.07	0.0	285.36	20.85	-1.63e-03	0.34	-3.56	
7.99												
		-2101.51	-3.93	5.97e-04	0.0	114.9	279.23	-9.18	-1.63e-03	0.34	-3.74	
678.35												
						229.7	273.09	-39.22	-1.63e-03	0.34	-3.93	-
2101.51												
104	11	834.22	-3.56	-1.16e-03	-60.07	0.0	285.36	20.85	-1.63e-03	0.34	-3.56	
7.99												
		-2101.51	-3.93	5.97e-04	0.0	114.9	279.23	-9.18	-1.63e-03	0.34	-3.74	
678.35												
						229.7	273.09	-39.22	-1.63e-03	0.34	-3.93	-
2101.51												
104	37	859.18	35.53	3.28e-03	-60.07	0.0	371.65	24.25	0.35	0.48	-45.25	-
259.45												
		-1589.22	-45.25	1.56e-03	0.0	114.9	365.51	-5.79	0.35	0.48	-4.86	
800.78												
						229.7	359.37	-35.83	0.35	0.48	35.53	-
1589.22												
104	38	855.06	38.13	-1.69e-03	-60.07	0.0	199.08	17.46	-0.35	0.20	38.13	
275.43												
		-2613.81	-43.39	-3.62e-04	0.0	114.9	192.94	-12.58	-0.35	0.20	-2.63	
555.92												
						229.7	186.80	-42.61	-0.35	0.20	-43.39	-
2613.81												
104	45	851.32	59.78	2.64e-03	-60.07	0.0	345.10	23.20	-0.56	0.49	59.78	-
177.11												
		-1747.42	-69.74	-2.27e-04	0.0	114.9	338.96	-6.84	-0.56	0.49	-4.98	
762.85												
						229.7	332.83	-36.87	-0.56	0.49	-69.74	-
1747.42												
104	46	847.90	61.88	-1.54e-03	-60.07	0.0	225.62	18.51	0.56	0.19	-66.89	
193.10												
		-2455.61	-66.89	1.42e-03	0.0	114.9	219.49	-11.53	0.56	0.19	-2.51	
593.86												
						229.7	213.35	-41.57	0.56	0.19	61.88	-
2455.61												
104	69	850.71	21.33	2.52e-03	-60.07	0.0	342.39	23.10	0.22	0.42	-30.12	-
168.76												
		-1762.97	-30.12	1.22e-03	0.0	114.9	336.25	-6.94	0.22	0.42	-4.40	
759.25												
						229.7	330.11	-36.98	0.22	0.42	21.33	-
1762.97												
104	70	847.01	23.01	-1.51e-03	-60.07	0.0	228.34	18.61	-0.23	0.26	23.01	
184.74												
		-2440.06	-29.20	3.90e-05	0.0	114.9	222.20	-11.43	-0.23	0.26	-3.09	
597.45												
						229.7	216.06	-41.46	-0.23	0.26	-29.20	-
2440.06												
104	77	845.28	36.45	2.08e-03	-60.07	0.0	324.08	22.38	-0.36	0.43	36.45	-
111.98												
		-1872.08	-45.38	1.25e-04	0.0	114.9	317.94	-7.66	-0.36	0.43	-4.47	
733.09												
						229.7	311.80	-37.70	-0.36	0.43	-45.38	-
1872.08												
104	78	842.07	37.52	-1.41e-03	-60.07	0.0	246.65	19.33	0.35	0.25	-43.56	
127.96												
		-2330.95	-43.56	1.14e-03	0.0	114.9	240.51	-10.70	0.35	0.25	-3.02	
623.62												
						229.7	234.37	-40.74	0.35	0.25	37.52	-
2330.95												
104	80	834.22	-3.56	-1.16e-03	-60.07	0.0	285.36	20.85	-1.63e-03	0.34	-3.56	
7.99												
		-2101.51	-3.93	5.97e-04	0.0	114.9	279.23	-9.18	-1.63e-03	0.34	-3.74	
678.35												
						229.7	273.09	-39.22	-1.63e-03	0.34	-3.93	-

2101.51													
104	81	834.22	-3.56	-1.16e-03	-60.07	0.0	285.36	20.85	-1.63e-03	0.34	-3.56		
7.99		-2101.51	-3.93	5.97e-04	0.0	114.9	279.23	-9.18	-1.63e-03	0.34	-3.74		
678.35													
						229.7	273.09	-39.22	-1.63e-03	0.34	-3.93	-	
2101.51													
104	82	834.22	-3.56	-1.16e-03	-60.07	0.0	285.36	20.85	-1.63e-03	0.34	-3.56		
7.99		-2101.51	-3.93	5.97e-04	0.0	114.9	279.23	-9.18	-1.63e-03	0.34	-3.74		
678.35													
						229.7	273.09	-39.22	-1.63e-03	0.34	-3.93	-	
2101.51													
105	1	1081.62	-4.92	-2.82e-03	-78.08	0.0	355.08	50.92	0.03	-0.93	-12.92	-	
2725.56		-2725.56	-12.92	-2.51e-03	0.0	114.8	363.06	11.88	0.03	-0.93	-8.92		
880.63													
						229.7	371.04	-27.16	0.03	-0.93	-4.92		
3.27													
105	2	832.01	-3.78	-2.17e-03	-60.06	0.0	273.14	39.17	0.03	-0.71	-9.94	-	
2096.58		-2096.58	-9.94	-1.93e-03	0.0	114.8	279.28	9.14	0.03	-0.71	-6.86		
677.41													
						229.7	285.42	-20.89	0.03	-0.71	-3.78		
2.52													
105	11	832.01	-3.78	-2.17e-03	-60.06	0.0	273.14	39.17	0.03	-0.71	-9.94	-	
2096.58		-2096.58	-9.94	-1.93e-03	0.0	114.8	279.28	9.14	0.03	-0.71	-6.86		
677.41													
						229.7	285.42	-20.89	0.03	-0.71	-3.78		
2.52													
105	32	862.86	49.57	-4.08e-03	-60.06	0.0	367.71	35.44	0.50	-0.85	-65.55	-	
1534.01		-1534.01	-65.55	-2.84e-03	0.0	114.8	373.85	5.41	0.50	-0.85	-7.99		
812.10													
						229.7	379.99	-24.62	0.50	-0.85	49.57	-	
290.67													
105	35	854.25	45.67	1.40e-03	-60.06	0.0	178.57	42.90	-0.45	-0.58	45.67	-	
2659.16		-2659.16	-57.14	-1.01e-03	0.0	114.8	184.71	12.86	-0.45	-0.58	-5.73		
542.71													
						229.7	190.84	-17.17	-0.45	-0.58	-57.14		
295.70													
105	40	845.68	50.30	-3.19e-03	-60.06	0.0	320.91	37.29	0.51	-0.85	-66.22	-	
1813.37		-1813.37	-66.22	-1.11e-03	0.0	114.8	327.05	7.26	0.51	-0.85	-7.96		
744.98													
						229.7	333.19	-22.77	0.51	-0.85	50.30	-	
145.55													
105	46	845.58	50.34	-3.19e-03	-60.06	0.0	320.57	37.31	0.49	-0.68	-62.56	-	
1815.35		-1815.35	-62.56	-1.25e-03	0.0	114.8	326.71	7.27	0.49	-0.68	-6.11		
744.51													
						229.7	332.85	-22.76	0.49	-0.68	50.34	-	
144.51													
105	64	850.38	28.56	-3.44e-03	-60.06	0.0	335.78	36.70	0.31	-0.79	-43.57	-	
1723.95		-1723.95	-43.57	-2.52e-03	0.0	114.8	341.92	6.67	0.31	-0.79	-7.51		
766.62													
						229.7	348.06	-23.36	0.31	-0.79	28.56	-	
191.68													
105	67	845.55	23.69	-9.45e-04	-60.06	0.0	210.50	41.64	-0.26	-0.63	23.69	-	
2469.21		-2469.21	-36.13	-1.34e-03	0.0	114.8	216.64	11.61	-0.26	-0.63	-6.22		
588.19													
						229.7	222.77	-18.42	-0.26	-0.63	-36.13		
196.71													
105	72	840.69	30.33	-2.82e-03	-60.06	0.0	303.55	37.97	0.33	-0.80	-45.28	-	
1916.34		-1916.34	-45.28	-1.39e-03	0.0	114.8	309.69	7.94	0.33	-0.80	-7.48		
720.39													
						229.7	315.83	-22.09	0.33	-0.80	30.33	-	
91.75													
105	80	832.01	-3.78	-2.17e-03	-60.06	0.0	273.14	39.17	0.03	-0.71	-9.94	-	
2096.58		-2096.58	-9.94	-1.93e-03	0.0	114.8	279.28	9.14	0.03	-0.71	-6.86		

677.41												
2.52						229.7	285.42	-20.89	0.03	-0.71	-3.78	
105	81	832.01	-3.78	-2.17e-03	-60.06	0.0	273.14	39.17	0.03	-0.71	-9.94	-
2096.58		-2096.58	-9.94	-1.93e-03	0.0	114.8	279.28	9.14	0.03	-0.71	-6.86	
677.41												
2.52						229.7	285.42	-20.89	0.03	-0.71	-3.78	
105	82	832.01	-3.78	-2.17e-03	-60.06	0.0	273.14	39.17	0.03	-0.71	-9.94	-
2096.58		-2096.58	-9.94	-1.93e-03	0.0	114.8	279.28	9.14	0.03	-0.71	-6.86	
677.41												
2.52						229.7	285.42	-20.89	0.03	-0.71	-3.78	
106	1	1081.62	-4.92	-1.50e-03	-78.08	0.0	371.04	27.16	-0.03	0.93	-4.92	
3.27		-2725.56	-12.92	2.51e-03	0.0	114.8	363.06	-11.88	-0.03	0.93	-8.92	
880.63												
2725.56						229.7	355.08	-50.92	-0.03	0.93	-12.92	-
106	2	832.01	-3.78	-1.16e-03	-60.06	0.0	285.42	20.89	-0.03	0.71	-3.78	
2.52		-2096.58	-9.94	1.93e-03	0.0	114.8	279.28	-9.14	-0.03	0.71	-6.86	
677.41												
2096.58						229.7	273.14	-39.17	-0.03	0.71	-9.94	-
106	11	832.01	-3.78	-1.16e-03	-60.06	0.0	285.42	20.89	-0.03	0.71	-3.78	
2.52		-2096.58	-9.94	1.93e-03	0.0	114.8	279.28	-9.14	-0.03	0.71	-6.86	
677.41												
2096.58						229.7	273.14	-39.17	-0.03	0.71	-9.94	-
106	32	854.26	42.64	-1.72e-03	-60.06	0.0	190.84	17.17	0.44	0.76	-58.21	
295.72		-2659.17	-58.21	8.79e-04	0.0	114.8	184.70	-12.86	0.44	0.76	-7.79	
542.71												
2659.17						229.7	178.56	-42.90	0.44	0.76	42.64	-
106	35	862.86	50.64	3.42e-03	-60.06	0.0	379.99	24.62	-0.49	0.66	50.64	-
290.69		-1533.99	-62.52	2.98e-03	0.0	114.8	373.85	-5.41	-0.49	0.66	-5.94	
812.10												
1533.99						229.7	367.71	-35.44	-0.49	0.66	-62.52	-
106	43	845.67	51.37	2.31e-03	-60.06	0.0	333.19	22.77	-0.50	0.66	51.37	-
145.57		-1813.35	-63.19	1.24e-03	0.0	114.8	327.05	-7.26	-0.50	0.66	-5.91	
744.98												
1813.35						229.7	320.92	-37.29	-0.50	0.66	-63.19	-
106	45	845.59	49.47	2.31e-03	-60.06	0.0	332.85	22.76	-0.50	0.83	49.47	-
144.50		-1815.36	-65.04	1.14e-03	0.0	114.8	326.71	-7.27	-0.50	0.83	-7.78	
744.51												
1815.36						229.7	320.57	-37.31	-0.50	0.83	-65.04	-
106	64	845.56	21.92	-1.53e-03	-60.06	0.0	222.77	18.42	0.26	0.74	-36.75	
196.73		-2469.22	-36.75	1.26e-03	0.0	114.8	216.63	-11.61	0.26	0.74	-7.41	
588.19												
2469.22						229.7	210.49	-41.64	0.26	0.74	21.92	-
106	67	850.37	29.19	2.61e-03	-60.06	0.0	348.06	23.36	-0.31	0.68	29.19	-
191.69		-1723.95	-41.81	2.60e-03	0.0	114.8	341.92	-6.67	-0.31	0.68	-6.31	
766.62												
1723.95						229.7	335.78	-36.70	-0.31	0.68	-41.81	-
106	75	840.69	30.95	1.84e-03	-60.06	0.0	315.83	22.09	-0.32	0.69	30.95	-
91.76		-1916.33	-43.52	1.47e-03	0.0	114.8	309.69	-7.94	-0.32	0.69	-6.28	
720.39												
1916.33						229.7	303.56	-37.97	-0.32	0.69	-43.52	-
106	77	840.63	29.78	1.85e-03	-60.06	0.0	315.61	22.08	-0.32	0.78	29.78	-

91.08												
720.09		-1917.63	-44.49	1.41e-03	0.0	114.8	309.47	-7.95	-0.32	0.78	-7.35	
						229.7	303.33	-37.98	-0.32	0.78	-44.49	-
1917.63												
106	80	832.01	-3.78	-1.16e-03	-60.06	0.0	285.42	20.89	-0.03	0.71	-3.78	
2.52												
		-2096.58	-9.94	1.93e-03	0.0	114.8	279.28	-9.14	-0.03	0.71	-6.86	
677.41						229.7	273.14	-39.17	-0.03	0.71	-9.94	-
2096.58												
106	81	832.01	-3.78	-1.16e-03	-60.06	0.0	285.42	20.89	-0.03	0.71	-3.78	
2.52												
		-2096.58	-9.94	1.93e-03	0.0	114.8	279.28	-9.14	-0.03	0.71	-6.86	
677.41						229.7	273.14	-39.17	-0.03	0.71	-9.94	-
2096.58												
106	82	832.01	-3.78	-1.16e-03	-60.06	0.0	285.42	20.89	-0.03	0.71	-3.78	
2.52												
		-2096.58	-9.94	1.93e-03	0.0	114.8	279.28	-9.14	-0.03	0.71	-6.86	
677.41						229.7	273.14	-39.17	-0.03	0.71	-9.94	-
2096.58												
107	1	1082.01	-4.92	-2.82e-03	-78.10	0.0	355.25	50.93	0.03	-0.93	-12.91	-
2726.42												
		-2726.42	-12.91	-2.51e-03	0.0	114.9	363.23	11.88	0.03	-0.93	-8.92	
880.98						229.7	371.21	-27.17	0.03	-0.93	-4.92	
3.09												
107	2	832.31	-3.78	-2.17e-03	-60.07	0.0	273.27	39.18	0.03	-0.71	-9.93	-
2097.25												
		-2097.25	-9.93	-1.93e-03	0.0	114.9	279.41	9.14	0.03	-0.71	-6.86	
677.68						229.7	285.55	-20.90	0.03	-0.71	-3.78	
2.38												
107	11	832.31	-3.78	-2.17e-03	-60.07	0.0	273.27	39.18	0.03	-0.71	-9.93	-
2097.25												
		-2097.25	-9.93	-1.93e-03	0.0	114.9	279.41	9.14	0.03	-0.71	-6.86	
677.68						229.7	285.55	-20.90	0.03	-0.71	-3.78	
2.38												
107	37	854.55	42.59	1.39e-03	-60.07	0.0	178.69	42.90	-0.44	-0.76	42.59	-
2659.83												
		-2659.83	-58.15	-8.79e-04	0.0	114.9	184.83	12.86	-0.44	-0.76	-7.78	
543.00						229.7	190.97	-17.17	-0.44	-0.76	-58.15	
295.60												
107	38	863.14	50.58	-4.08e-03	-60.07	0.0	367.85	35.45	0.49	-0.66	-62.45	-
1534.67												
		-1534.67	-62.45	-2.98e-03	0.0	114.9	373.99	5.41	0.49	-0.66	-5.94	
812.36						229.7	380.13	-24.62	0.49	-0.66	50.58	-
290.84												
107	40	845.88	49.55	-3.19e-03	-60.07	0.0	320.71	37.31	0.50	-0.83	-65.11	-
1816.03												
		-1816.03	-65.11	-1.14e-03	0.0	114.9	326.84	7.28	0.50	-0.83	-7.78	
744.78						229.7	332.98	-22.76	0.50	-0.83	49.55	-
144.65												
107	46	845.96	51.42	-3.19e-03	-60.07	0.0	321.04	37.30	0.50	-0.66	-63.23	-
1814.06												
		-1814.06	-63.23	-1.24e-03	0.0	114.9	327.18	7.26	0.50	-0.66	-5.90	
745.23						229.7	333.32	-22.77	0.50	-0.66	51.42	-
145.70												
107	69	845.84	21.90	-9.47e-04	-60.07	0.0	210.62	41.64	-0.26	-0.74	21.90	-
2469.88												
		-2469.88	-36.72	-1.26e-03	0.0	114.9	216.76	11.61	-0.26	-0.74	-7.41	
588.47						229.7	222.90	-18.43	-0.26	-0.74	-36.72	
196.60												
107	70	850.66	29.15	-3.44e-03	-60.07	0.0	335.92	36.71	0.31	-0.68	-41.77	-
1724.62												
		-1724.62	-41.77	-2.60e-03	0.0	114.9	342.06	6.67	0.31	-0.68	-6.31	
766.88						229.7	348.19	-23.36	0.31	-0.68	29.15	-

191.84													
107	72	840.92	29.81	-2.82e-03	-60.07	0.0	303.47	37.99	0.32	-0.78	-44.52	-	
1918.29		-1918.29	-44.52	-1.41e-03	0.0	114.9	309.61	7.95	0.32	-0.78	-7.35		
720.36						229.7	315.75	-22.08	0.32	-0.78	29.81	-	
91.22													
107	78	840.98	30.97	-2.82e-03	-60.07	0.0	303.69	37.98	0.32	-0.69	-43.53	-	
1917.02		-1917.02	-43.53	-1.47e-03	0.0	114.9	309.82	7.94	0.32	-0.69	-6.28		
720.66						229.7	315.96	-22.09	0.32	-0.69	30.97	-	
91.90													
107	80	832.31	-3.78	-2.17e-03	-60.07	0.0	273.27	39.18	0.03	-0.71	-9.93	-	
2097.25		-2097.25	-9.93	-1.93e-03	0.0	114.9	279.41	9.14	0.03	-0.71	-6.86		
677.68						229.7	285.55	-20.90	0.03	-0.71	-3.78		
2.38													
107	81	832.31	-3.78	-2.17e-03	-60.07	0.0	273.27	39.18	0.03	-0.71	-9.93	-	
2097.25		-2097.25	-9.93	-1.93e-03	0.0	114.9	279.41	9.14	0.03	-0.71	-6.86		
677.68						229.7	285.55	-20.90	0.03	-0.71	-3.78		
2.38													
107	82	832.31	-3.78	-2.17e-03	-60.07	0.0	273.27	39.18	0.03	-0.71	-9.93	-	
2097.25		-2097.25	-9.93	-1.93e-03	0.0	114.9	279.41	9.14	0.03	-0.71	-6.86		
677.68						229.7	285.55	-20.90	0.03	-0.71	-3.78		
2.38													
108	1	1082.01	-4.92	-1.51e-03	-78.10	0.0	371.21	27.17	-0.03	0.93	-4.92	-	
3.09		-2726.42	-12.91	2.51e-03	0.0	114.9	363.23	-11.88	-0.03	0.93	-8.92		
880.98						229.7	355.25	-50.93	-0.03	0.93	-12.91	-	
2726.42													
108	2	832.31	-3.78	-1.16e-03	-60.07	0.0	285.55	20.90	-0.03	0.71	-3.78	-	
2.38		-2097.25	-9.93	1.93e-03	0.0	114.9	279.41	-9.14	-0.03	0.71	-6.86		
677.68						229.7	273.27	-39.18	-0.03	0.71	-9.93	-	
2097.25													
108	11	832.31	-3.78	-1.16e-03	-60.07	0.0	285.55	20.90	-0.03	0.71	-3.78	-	
2.38		-2097.25	-9.93	1.93e-03	0.0	114.9	279.41	-9.14	-0.03	0.71	-6.86		
677.68						229.7	273.27	-39.18	-0.03	0.71	-9.93	-	
2097.25													
108	37	863.15	49.51	3.42e-03	-60.07	0.0	380.12	24.62	-0.50	0.85	49.51	-	
290.82		-1534.69	-65.48	2.84e-03	0.0	114.9	373.98	-5.41	-0.50	0.85	-7.99		
812.36						229.7	367.84	-35.45	-0.50	0.85	-65.48	-	
1534.69													
108	38	854.54	45.62	-1.72e-03	-60.07	0.0	190.97	17.17	0.45	0.58	-57.08	-	
295.57		-2659.81	-57.08	1.01e-03	0.0	114.9	184.83	-12.86	0.45	0.58	-5.73		
543.00						229.7	178.69	-42.90	0.45	0.58	45.62	-	
2659.81													
108	43	845.87	50.42	2.31e-03	-60.07	0.0	332.99	22.76	-0.49	0.68	50.42	-	
144.66		-1816.02	-62.64	1.25e-03	0.0	114.9	326.85	-7.28	-0.49	0.68	-6.11		
744.77						229.7	320.71	-37.31	-0.49	0.68	-62.64	-	
1816.02													
108	45	845.97	50.35	2.31e-03	-60.07	0.0	333.31	22.77	-0.51	0.85	50.35	-	
145.67		-1814.08	-66.26	1.11e-03	0.0	114.9	327.18	-7.26	-0.51	0.85	-7.95		
745.24						229.7	321.04	-37.30	-0.51	0.85	-66.26	-	
1814.08													
108	69	850.67	28.53	2.61e-03	-60.07	0.0	348.19	23.36	-0.31	0.79	28.53	-	
191.83		-1724.63	-43.54	2.52e-03	0.0	114.9	342.05	-6.67	-0.31	0.79	-7.50		

766.88							229.7	335.91	-36.71	-0.31	0.79	-43.54	-
1724.63													
108	70	845.84	23.67	-1.53e-03	-60.07	0.0	222.90	18.43	0.26	0.63	-36.10		
196.58		-2469.87	-36.10	1.34e-03	0.0	114.9	216.76	-11.61	0.26	0.63	-6.21		
588.47							229.7	210.62	-41.64	0.26	0.63	23.67	-
2469.87													
108	77	840.98	30.35	1.84e-03	-60.07	0.0	315.96	22.09	-0.33	0.79	30.35	-	
91.88		-1917.03	-45.30	1.39e-03	0.0	114.9	309.82	-7.94	-0.33	0.79	-7.47		
720.66							229.7	303.68	-37.98	-0.33	0.79	-45.30	-
1917.03													
108	80	832.31	-3.78	-1.16e-03	-60.07	0.0	285.55	20.90	-0.03	0.71	-3.78		
2.38		-2097.25	-9.93	1.93e-03	0.0	114.9	279.41	-9.14	-0.03	0.71	-6.86		
677.68							229.7	273.27	-39.18	-0.03	0.71	-9.93	-
2097.25													
108	81	832.31	-3.78	-1.16e-03	-60.07	0.0	285.55	20.90	-0.03	0.71	-3.78		
2.38		-2097.25	-9.93	1.93e-03	0.0	114.9	279.41	-9.14	-0.03	0.71	-6.86		
677.68							229.7	273.27	-39.18	-0.03	0.71	-9.93	-
2097.25													
108	82	832.31	-3.78	-1.16e-03	-60.07	0.0	285.55	20.90	-0.03	0.71	-3.78		
2.38		-2097.25	-9.93	1.93e-03	0.0	114.9	279.41	-9.14	-0.03	0.71	-6.86		
677.68							229.7	273.27	-39.18	-0.03	0.71	-9.93	-
2097.25													
109	1	1059.42	2.49	-2.59e-03	-78.08	0.0	358.18	50.42	-0.30	-2.63	2.49	-	
2676.31		-2676.31	-67.11	-3.59e-03	0.0	114.8	366.16	11.38	-0.30	-2.63	-32.31		
872.72							229.7	374.14	-27.66	-0.30	-2.63	-67.11	-
61.79													
109	2	814.94	1.92	-1.99e-03	-60.06	0.0	275.52	38.79	-0.23	-2.02	1.92	-	
2058.70		-2058.70	-51.62	-2.76e-03	0.0	114.8	281.66	8.76	-0.23	-2.02	-24.85		
671.32							229.7	287.80	-21.27	-0.23	-2.02	-51.62	-
47.53													
109	11	814.94	1.92	-1.99e-03	-60.06	0.0	275.52	38.79	-0.23	-2.02	1.92	-	
2058.70		-2058.70	-51.62	-2.76e-03	0.0	114.8	281.66	8.76	-0.23	-2.02	-24.85		
671.32							229.7	287.80	-21.27	-0.23	-2.02	-51.62	-
47.53													
109	32	852.56	-15.64	-3.88e-03	-60.06	0.0	372.50	34.98	0.07	-2.20	-32.91	-	
1483.81		-1483.81	-32.91	-3.61e-03	0.0	114.8	378.64	4.94	0.07	-2.20	-24.27		
808.52							229.7	384.78	-25.09	0.07	-2.20	-15.64	-
348.03													
109	35	832.86	36.74	1.60e-03	-60.06	0.0	178.55	42.60	-0.54	-1.85	36.74	-	
2633.59		-2633.59	-87.60	-1.91e-03	0.0	114.8	184.68	12.57	-0.54	-1.85	-25.43		
534.13							229.7	190.82	-17.46	-0.54	-1.85	-87.60	-
252.97													
109	64	833.30	-19.55	-3.24e-03	-60.06	0.0	339.69	36.27	-0.04	-2.13	-19.55	-	
1678.36		-1678.36	-29.10	-3.31e-03	0.0	114.8	345.83	6.23	-0.04	-2.13	-24.33		
762.08							229.7	351.97	-23.80	-0.04	-2.13	-29.10	-
246.36													
109	67	823.76	23.39	7.99e-04	-60.06	0.0	211.36	41.31	-0.42	-1.92	23.39	-	
2439.04		-2439.04	-74.14	-2.21e-03	0.0	114.8	217.50	11.28	-0.42	-1.92	-25.38		
580.57							229.7	223.63	-18.75	-0.42	-1.92	-74.14	-
151.30													
109	80	814.94	1.92	-1.99e-03	-60.06	0.0	275.52	38.79	-0.23	-2.02	1.92	-	

2058.70												
671.32		-2058.70	-51.62	-2.76e-03	0.0	114.8	281.66	8.76	-0.23	-2.02	-24.85	
						229.7	287.80	-21.27	-0.23	-2.02	-51.62	-
47.53												
109	81	814.94	1.92	-1.99e-03	-60.06	0.0	275.52	38.79	-0.23	-2.02	1.92	-
2058.70		-2058.70	-51.62	-2.76e-03	0.0	114.8	281.66	8.76	-0.23	-2.02	-24.85	
671.32						229.7	287.80	-21.27	-0.23	-2.02	-51.62	-
47.53												
109	82	814.94	1.92	-1.99e-03	-60.06	0.0	275.52	38.79	-0.23	-2.02	1.92	-
2058.70		-2058.70	-51.62	-2.76e-03	0.0	114.8	281.66	8.76	-0.23	-2.02	-24.85	
671.32						229.7	287.80	-21.27	-0.23	-2.02	-51.62	-
47.53												
110	1	1059.42	2.49	-1.57e-03	-78.08	0.0	374.14	27.66	0.30	2.63	-67.11	-
61.79		-2676.31	-67.11	3.59e-03	0.0	114.8	366.16	-11.38	0.30	2.63	-32.31	-
872.72						229.7	358.18	-50.42	0.30	2.63	2.49	-
2676.31												
110	2	814.94	1.92	-1.21e-03	-60.06	0.0	287.80	21.27	0.23	2.02	-51.62	-
47.53		-2058.70	-51.62	2.76e-03	0.0	114.8	281.66	-8.76	0.23	2.02	-24.85	-
671.32						229.7	275.52	-38.79	0.23	2.02	1.92	-
2058.70												
110	11	814.94	1.92	-1.21e-03	-60.06	0.0	287.80	21.27	0.23	2.02	-51.62	-
47.53		-2058.70	-51.62	2.76e-03	0.0	114.8	281.66	-8.76	0.23	2.02	-24.85	-
671.32						229.7	275.52	-38.79	0.23	2.02	1.92	-
2058.70												
110	32	832.86	34.90	-1.76e-03	-60.06	0.0	190.82	17.46	0.54	2.05	-88.66	-
252.97		-2633.58	-88.66	1.71e-03	0.0	114.8	184.69	-12.57	0.54	2.05	-26.88	-
534.13						229.7	178.55	-42.60	0.54	2.05	34.90	-
2633.58												
110	35	852.56	-14.58	3.18e-03	-60.06	0.0	384.78	25.09	-0.07	2.00	-14.58	-
348.03		-1483.81	-31.06	3.81e-03	0.0	114.8	378.64	-4.94	-0.07	2.00	-22.82	-
808.52						229.7	372.50	-34.98	-0.07	2.00	-31.06	-
1483.81												
110	38	832.71	35.27	-1.76e-03	-60.06	0.0	191.20	17.48	0.53	1.87	-86.06	-
251.70		-2631.28	-86.06	1.87e-03	0.0	114.8	185.06	-12.55	0.53	1.87	-25.40	-
534.65						229.7	178.93	-42.58	0.53	1.87	35.27	-
2631.28												
110	64	823.76	22.29	-1.57e-03	-60.06	0.0	223.63	18.75	0.42	2.03	-74.78	-
151.30		-2439.04	-74.78	2.09e-03	0.0	114.8	217.50	-11.28	0.42	2.03	-26.24	-
580.57						229.7	211.36	-41.31	0.42	2.03	22.29	-
2439.04												
110	67	833.30	-18.46	2.37e-03	-60.06	0.0	351.97	23.80	0.04	2.02	-28.47	-
246.36		-1678.36	-28.47	3.43e-03	0.0	114.8	345.83	-6.23	0.04	2.02	-23.46	-
762.08						229.7	339.69	-36.27	0.04	2.02	-18.46	-
1678.36												
110	70	823.67	22.52	-1.58e-03	-60.06	0.0	223.87	18.76	0.42	1.93	-73.30	-
150.53		-2437.62	-73.30	2.19e-03	0.0	114.8	217.73	-11.27	0.42	1.93	-25.39	-
580.89						229.7	211.59	-41.30	0.42	1.93	22.52	-
2437.62												
110	80	814.94	1.92	-1.21e-03	-60.06	0.0	287.80	21.27	0.23	2.02	-51.62	-
47.53		-2058.70	-51.62	2.76e-03	0.0	114.8	281.66	-8.76	0.23	2.02	-24.85	-
671.32						229.7	275.52	-38.79	0.23	2.02	1.92	-

2058.70													
110	81	814.94	1.92	-1.21e-03	-60.06	0.0	287.80	21.27	0.23	2.02	-51.62	-	
47.53		-2058.70	-51.62	2.76e-03	0.0	114.8	281.66	-8.76	0.23	2.02	-24.85		
671.32													
							229.7	275.52	-38.79	0.23	2.02	1.92	-
2058.70													
110	82	814.94	1.92	-1.21e-03	-60.06	0.0	287.80	21.27	0.23	2.02	-51.62	-	
47.53		-2058.70	-51.62	2.76e-03	0.0	114.8	281.66	-8.76	0.23	2.02	-24.85		
671.32													
							229.7	275.52	-38.79	0.23	2.02	1.92	-
2058.70													
111	1	1059.82	2.51	-2.59e-03	-78.10	0.0	358.35	50.43	-0.30	-2.63	2.51	-	
2677.19		-2677.19	-67.12	-3.59e-03	0.0	114.9	366.33	11.38	-0.30	-2.63	-32.30		
873.08													
							229.7	374.31	-27.66	-0.30	-2.63	-67.12	-
61.94													
111	2	815.25	1.93	-2.00e-03	-60.07	0.0	275.65	38.79	-0.23	-2.02	1.93	-	
2059.38		-2059.38	-51.63	-2.76e-03	0.0	114.9	281.79	8.76	-0.23	-2.02	-24.85		
671.60													
							229.7	287.93	-21.28	-0.23	-2.02	-51.63	-
47.65													
111	11	815.25	1.93	-2.00e-03	-60.07	0.0	275.65	38.79	-0.23	-2.02	1.93	-	
2059.38		-2059.38	-51.63	-2.76e-03	0.0	114.9	281.79	8.76	-0.23	-2.02	-24.85		
671.60													
							229.7	287.93	-21.28	-0.23	-2.02	-51.63	-
47.65													
111	35	833.01	35.30	1.61e-03	-60.07	0.0	179.06	42.59	-0.53	-1.87	35.30	-	
2631.91		-2631.91	-86.09	-1.87e-03	0.0	114.9	185.20	12.55	-0.53	-1.87	-25.39		
534.95													
							229.7	191.34	-17.49	-0.53	-1.87	-86.09	-
251.58													
111	37	833.16	34.79	1.60e-03	-60.07	0.0	178.68	42.60	-0.54	-2.05	34.79	-	
2634.21		-2634.21	-88.55	-1.70e-03	0.0	114.9	184.82	12.57	-0.54	-2.05	-26.88		
534.43													
							229.7	190.96	-17.47	-0.54	-2.05	-88.55	-
252.84													
111	38	852.84	-14.70	-3.88e-03	-60.07	0.0	372.63	34.98	0.07	-2.00	-30.93	-	
1484.55		-1484.55	-30.93	-3.81e-03	0.0	114.9	378.77	4.95	0.07	-2.00	-22.82		
808.77													
							229.7	384.91	-25.09	0.07	-2.00	-14.70	-
348.14													
111	67	823.96	22.55	8.03e-04	-60.07	0.0	211.72	41.31	-0.42	-1.93	22.55	-	
2438.28		-2438.28	-73.33	-2.19e-03	0.0	114.9	217.86	11.27	-0.42	-1.93	-25.39		
581.18													
							229.7	224.00	-18.77	-0.42	-1.93	-73.33	-
150.41													
111	69	824.05	22.25	7.97e-04	-60.07	0.0	211.49	41.31	-0.42	-2.03	22.25	-	
2439.70		-2439.70	-74.72	-2.09e-03	0.0	114.9	217.63	11.28	-0.42	-2.03	-26.24		
580.86													
							229.7	223.76	-18.76	-0.42	-2.03	-74.72	-
151.18													
111	70	833.60	-18.39	-3.24e-03	-60.07	0.0	339.82	36.27	-0.04	-2.02	-18.39	-	
1679.06		-1679.06	-28.53	-3.43e-03	0.0	114.9	345.96	6.24	-0.04	-2.02	-23.46		
762.34													
							229.7	352.10	-23.80	-0.04	-2.02	-28.53	-
246.48													
111	80	815.25	1.93	-2.00e-03	-60.07	0.0	275.65	38.79	-0.23	-2.02	1.93	-	
2059.38		-2059.38	-51.63	-2.76e-03	0.0	114.9	281.79	8.76	-0.23	-2.02	-24.85		
671.60													
							229.7	287.93	-21.28	-0.23	-2.02	-51.63	-
47.65													
111	81	815.25	1.93	-2.00e-03	-60.07	0.0	275.65	38.79	-0.23	-2.02	1.93	-	
2059.38		-2059.38	-51.63	-2.76e-03	0.0	114.9	281.79	8.76	-0.23	-2.02	-24.85		

671.60													
						229.7	287.93	-21.28	-0.23	-2.02	-51.63	-	
47.65													
111	82	815.25	1.93	-2.00e-03	-60.07	0.0	275.65	38.79	-0.23	-2.02	1.93	-	
2059.38													
		-2059.38	-51.63	-2.76e-03	0.0	114.9	281.79	8.76	-0.23	-2.02	-24.85		
671.60													
						229.7	287.93	-21.28	-0.23	-2.02	-51.63	-	
47.65													
112	1	1059.82	2.51	-1.57e-03	-78.10	0.0	374.31	27.66	0.30	2.63	-67.12	-	
61.94													
		-2677.19	-67.12	3.59e-03	0.0	114.9	366.33	-11.38	0.30	2.63	-32.30		
873.08													
						229.7	358.35	-50.43	0.30	2.63	2.51	-	
2677.19													
112	2	815.25	1.93	-1.21e-03	-60.07	0.0	287.93	21.28	0.23	2.02	-51.63	-	
47.65													
		-2059.38	-51.63	2.76e-03	0.0	114.9	281.79	-8.76	0.23	2.02	-24.85		
671.60													
						229.7	275.65	-38.79	0.23	2.02	1.93	-	
2059.38													
112	11	815.25	1.93	-1.21e-03	-60.07	0.0	287.93	21.28	0.23	2.02	-51.63	-	
47.65													
		-2059.38	-51.63	2.76e-03	0.0	114.9	281.79	-8.76	0.23	2.02	-24.85		
671.60													
						229.7	275.65	-38.79	0.23	2.02	1.93	-	
2059.38													
112	37	852.84	-15.75	3.18e-03	-60.07	0.0	384.91	25.09	-0.07	2.20	-15.75	-	
348.13													
		-1484.55	-32.76	3.61e-03	0.0	114.9	378.77	-4.95	-0.07	2.20	-24.25		
808.77													
						229.7	372.63	-34.98	-0.07	2.20	-32.76	-	
1484.55													
112	38	833.15	36.62	-1.76e-03	-60.07	0.0	190.96	17.47	0.54	1.85	-87.51	-	
252.84													
		-2634.21	-87.51	1.91e-03	0.0	114.9	184.82	-12.57	0.54	1.85	-25.44		
534.43													
						229.7	178.68	-42.60	0.54	1.85	36.62	-	
2634.21													
112	69	833.60	-19.47	2.38e-03	-60.07	0.0	352.10	23.80	0.04	2.13	-29.16	-	
246.47													
		-1679.07	-29.16	3.31e-03	0.0	114.9	345.96	-6.24	0.04	2.13	-24.31		
762.34													
						229.7	339.82	-36.27	0.04	2.13	-19.47	-	
1679.07													
112	70	824.05	23.33	-1.58e-03	-60.07	0.0	223.76	18.76	0.42	1.92	-74.10	-	
151.18													
		-2439.69	-74.10	2.21e-03	0.0	114.9	217.63	-11.28	0.42	1.92	-25.38		
580.86													
						229.7	211.49	-41.31	0.42	1.92	23.33	-	
2439.69													
112	80	815.25	1.93	-1.21e-03	-60.07	0.0	287.93	21.28	0.23	2.02	-51.63	-	
47.65													
		-2059.38	-51.63	2.76e-03	0.0	114.9	281.79	-8.76	0.23	2.02	-24.85		
671.60													
						229.7	275.65	-38.79	0.23	2.02	1.93	-	
2059.38													
112	81	815.25	1.93	-1.21e-03	-60.07	0.0	287.93	21.28	0.23	2.02	-51.63	-	
47.65													
		-2059.38	-51.63	2.76e-03	0.0	114.9	281.79	-8.76	0.23	2.02	-24.85		
671.60													
						229.7	275.65	-38.79	0.23	2.02	1.93	-	
2059.38													
112	82	815.25	1.93	-1.21e-03	-60.07	0.0	287.93	21.28	0.23	2.02	-51.63	-	
47.65													
		-2059.38	-51.63	2.76e-03	0.0	114.9	281.79	-8.76	0.23	2.02	-24.85		
671.60													
						229.7	275.65	-38.79	0.23	2.02	1.93	-	
2059.38													
113	1	1217.34	28.85	-0.02	-69.33	0.0	680.98	40.58	0.52	2.46	-76.96	-	
1213.83													
		-1213.83	-76.96	-2.75e-04	0.0	102.5	673.00	5.91	0.52	2.46	-24.05		
1169.32													
						205.0	665.02	-28.75	0.52	2.46	28.85	-	
1.23													
113	2	936.42	22.20	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.20	-	

933.71												
899.48		-933.71	-59.20	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.50	
0.95						205.0	511.55	-22.12	0.40	1.89	22.20	-
113	11	936.42	22.20	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.20	-
933.71		-933.71	-59.20	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.50	
899.48						205.0	511.55	-22.12	0.40	1.89	22.20	-
0.95												
113	16	863.13	25.80	-0.01	-53.33	0.0	489.05	29.02	0.41	1.77	-58.11	-
753.89		-753.89	-58.11	-3.60e-04	0.0	102.5	482.92	2.35	0.41	1.77	-16.16	
854.31						205.0	476.78	-24.31	0.41	1.77	25.80	-
271.10												
113	19	1032.06	18.59	-0.01	-53.33	0.0	558.61	33.41	0.38	2.01	-60.29	-
1113.54		-1113.54	-60.29	1.55e-04	0.0	102.5	552.47	6.74	0.38	2.01	-20.85	
944.64						205.0	546.33	-19.92	0.38	2.01	18.59	
269.21												
113	42	972.94	83.34	-0.01	-53.33	0.0	530.08	32.14	0.87	1.00	-97.24	-
1010.20		-1010.20	-97.24	6.66e-04	0.0	102.5	523.94	5.48	0.87	1.00	-6.95	
918.01						205.0	517.80	-21.19	0.87	1.00	83.34	
112.61												
113	48	893.54	25.06	-0.01	-53.33	0.0	503.49	29.93	0.41	1.81	-59.14	-
828.50		-828.50	-59.14	-3.22e-04	0.0	102.5	497.35	3.27	0.41	1.81	-17.04	
873.05						205.0	491.21	-23.40	0.41	1.81	25.06	-
159.02												
113	51	989.99	19.33	-0.01	-53.33	0.0	544.17	32.50	0.38	1.97	-59.26	-
1038.93		-1038.93	-59.26	1.37e-04	0.0	102.5	538.03	5.83	0.38	1.97	-19.97	
925.90						205.0	531.90	-20.83	0.38	1.97	19.33	
157.12												
113	74	956.02	62.15	-0.01	-53.33	0.0	527.36	31.77	0.70	1.30	-83.06	-
979.70		-979.70	-83.06	3.65e-04	0.0	102.5	521.22	5.11	0.70	1.30	-10.45	
910.58						205.0	515.08	-21.56	0.70	1.30	62.15	
67.25												
113	80	936.42	22.20	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.20	-
933.71		-933.71	-59.20	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.50	
899.48						205.0	511.55	-22.12	0.40	1.89	22.20	-
0.95												
113	81	936.42	22.20	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.20	-
933.71		-933.71	-59.20	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.50	
899.48						205.0	511.55	-22.12	0.40	1.89	22.20	-
0.95												
113	82	936.42	22.20	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.20	-
933.71		-933.71	-59.20	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.50	
899.48						205.0	511.55	-22.12	0.40	1.89	22.20	-
0.95												
114	1	1153.14	8.94	-0.02	-69.33	0.0	-128.47	55.56	-0.48	-2.45	8.94	-
3410.72		-3410.72	-90.45	5.40e-04	0.0	102.5	-120.49	20.90	-0.48	-2.45	-40.76	
508.34						205.0	-112.51	-13.77	-0.48	-2.45	-90.45	
873.71												
114	2	887.03	6.87	-0.02	-53.33	0.0	-98.82	42.74	-0.37	-1.88	6.87	-
2623.63		-2623.63	-69.58	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.35	
391.03						205.0	-86.55	-10.59	-0.37	-1.88	-69.58	

672.08													
114	11	887.03	6.87	-0.02	-53.33	0.0	-98.82	42.74	-0.37	-1.88	6.87	-	
2623.63		-2623.63	-69.58	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.35		
391.03						205.0	-86.55	-10.59	-0.37	-1.88	-69.58		
672.08													
114	16	845.80	9.00	-0.02	-53.33	0.0	-22.07	40.50	-0.37	-1.83	9.00	-	
2306.80		-2306.80	-68.17	2.14e-04	0.0	102.5	-15.93	13.84	-0.37	-1.83	-29.58		
478.34						205.0	-9.79	-12.83	-0.37	-1.83	-68.17		
529.86													
114	19	943.18	4.74	-0.01	-53.33	0.0	-175.58	44.98	-0.37	-1.93	4.74	-	
2940.47		-2940.47	-70.99	6.43e-04	0.0	102.5	-169.44	18.31	-0.37	-1.93	-33.12		
303.73						205.0	-163.30	-8.35	-0.37	-1.93	-70.99		
814.31													
114	23	946.71	5.91	-0.01	-53.33	0.0	-168.82	44.80	-0.39	-2.11	5.91	-	
2914.82		-2914.82	-75.65	5.56e-04	0.0	102.5	-162.68	18.14	-0.39	-2.11	-34.87		
315.76						205.0	-156.55	-8.53	-0.39	-2.11	-75.65		
812.72													
114	41	890.22	41.93	-0.02	-53.33	0.0	-66.06	41.84	-0.74	-2.81	41.93	-	
2493.54		-2493.54	-113.28	1.03e-03	0.0	102.5	-59.93	15.17	-0.74	-2.81	-35.68		
443.03						205.0	-53.79	-11.49	-0.74	-2.81	-113.28		
645.99													
114	48	857.19	7.49	-0.02	-53.33	0.0	-53.91	41.43	-0.37	-1.85	7.49	-	
2438.23		-2438.23	-68.20	2.73e-04	0.0	102.5	-47.77	14.76	-0.37	-1.85	-30.36		
442.12						205.0	-41.63	-11.90	-0.37	-1.85	-68.20		
588.85													
114	51	919.89	6.26	-0.01	-53.33	0.0	-143.74	44.05	-0.38	-1.91	6.26	-	
2809.04		-2809.04	-70.96	5.71e-04	0.0	102.5	-137.60	17.38	-0.38	-1.91	-32.35		
339.94						205.0	-131.46	-9.28	-0.38	-1.91	-70.96		
755.31													
114	55	922.02	6.78	-0.01	-53.33	0.0	-139.35	43.94	-0.39	-2.03	6.78	-	
2792.39		-2792.39	-74.21	5.14e-04	0.0	102.5	-133.21	17.27	-0.39	-2.03	-33.72		
347.65						205.0	-127.07	-9.39	-0.39	-2.03	-74.21		
754.08													
114	73	889.78	28.21	-0.02	-53.33	0.0	-79.09	42.20	-0.60	-2.50	28.21	-	
2545.77		-2545.77	-97.95	8.18e-04	0.0	102.5	-72.95	15.54	-0.60	-2.50	-34.87		
422.67						205.0	-66.81	-11.13	-0.60	-2.50	-97.95		
657.49													
114	80	887.03	6.87	-0.02	-53.33	0.0	-98.82	42.74	-0.37	-1.88	6.87	-	
2623.63		-2623.63	-69.58	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.35		
391.03						205.0	-86.55	-10.59	-0.37	-1.88	-69.58		
672.08													
114	81	887.03	6.87	-0.02	-53.33	0.0	-98.82	42.74	-0.37	-1.88	6.87	-	
2623.63		-2623.63	-69.58	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.35		
391.03						205.0	-86.55	-10.59	-0.37	-1.88	-69.58		
672.08													
114	82	887.03	6.87	-0.02	-53.33	0.0	-98.82	42.74	-0.37	-1.88	6.87	-	
2623.63		-2623.63	-69.58	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.35		
391.03						205.0	-86.55	-10.59	-0.37	-1.88	-69.58		
672.08													
115	1	1217.34	76.96	-0.02	-69.33	0.0	680.98	40.58	-0.52	-2.46	76.96	-	
1213.83		-1213.83	-28.85	2.75e-04	0.0	102.5	673.00	5.91	-0.52	-2.46	24.05		

1169.32							205.0	665.02	-28.75	-0.52	-2.46	-28.85	-
1.23													
115	2	936.42	59.20	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.20	-	
933.71		-933.71	-22.20	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.50	-	
899.48							205.0	511.55	-22.12	-0.40	-1.89	-22.20	-
0.95													
115	11	936.42	59.20	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.20	-	
933.71		-933.71	-22.20	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.50	-	
899.48							205.0	511.55	-22.12	-0.40	-1.89	-22.20	-
0.95													
115	17	871.80	74.12	-0.01	-53.33	0.0	494.51	29.27	-0.55	-1.70	74.12	-	
773.99		-773.99	-39.74	2.99e-04	0.0	102.5	488.37	2.60	-0.55	-1.70	17.19	-	
859.79							205.0	482.24	-24.06	-0.55	-1.70	-39.74	-
240.05													
115	18	1020.19	44.28	-0.01	-53.33	0.0	553.15	33.16	-0.25	-2.07	44.28	-	
1093.44		-1093.44	-4.65	1.24e-04	0.0	102.5	547.01	6.49	-0.25	-2.07	19.81	-	
939.17							205.0	540.87	-20.17	-0.25	-2.07	-4.65	-
238.15													
115	41	927.36	96.23	-0.01	-53.33	0.0	511.67	30.96	-0.86	-1.00	96.23	-	
913.06		-913.06	-83.05	-6.66e-04	0.0	102.5	505.53	4.29	-0.86	-1.00	6.59	-	
893.72							205.0	499.39	-22.37	-0.86	-1.00	-83.05	-
33.11													
115	49	898.62	68.14	-0.01	-53.33	0.0	506.68	30.08	-0.49	-1.77	68.14	-	
840.29		-840.29	-32.75	2.76e-04	0.0	102.5	500.55	3.41	-0.49	-1.77	17.69	-	
876.26							205.0	494.41	-23.25	-0.49	-1.77	-32.75	-
140.81													
115	50	983.02	50.27	-0.01	-53.33	0.0	540.98	32.35	-0.31	-2.01	50.27	-	
1027.14		-1027.14	-11.64	1.46e-04	0.0	102.5	534.84	5.69	-0.31	-2.01	19.31	-	
922.69							205.0	528.70	-20.98	-0.31	-2.01	-11.64	-
138.91													
115	73	931.71	82.46	-0.01	-53.33	0.0	516.66	31.08	-0.70	-1.30	82.46	-	
923.21		-923.21	-61.98	-3.65e-04	0.0	102.5	510.52	4.42	-0.70	-1.30	10.24	-	
896.46							205.0	504.38	-22.25	-0.70	-1.30	-61.98	-
17.49													
115	80	936.42	59.20	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.20	-	
933.71		-933.71	-22.20	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.50	-	
899.48							205.0	511.55	-22.12	-0.40	-1.89	-22.20	-
0.95													
115	81	936.42	59.20	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.20	-	
933.71		-933.71	-22.20	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.50	-	
899.48							205.0	511.55	-22.12	-0.40	-1.89	-22.20	-
0.95													
115	82	936.42	59.20	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.20	-	
933.71		-933.71	-22.20	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.50	-	
899.48							205.0	511.55	-22.12	-0.40	-1.89	-22.20	-
0.95													
116	1	1153.14	90.45	-0.02	-69.33	0.0	-128.47	55.56	0.48	2.45	-8.94	-	
3410.72		-3410.72	-8.94	-5.40e-04	0.0	102.5	-120.49	20.90	0.48	2.45	40.76	-	
508.34							205.0	-112.51	-13.77	0.48	2.45	90.45	-
873.71													
116	2	887.03	69.58	-0.02	-53.33	0.0	-98.82	42.74	0.37	1.88	-6.87	-	

2623.63												
391.03		-2623.63	-6.87	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.35	
672.08						205.0	-86.55	-10.59	0.37	1.88	69.58	
116	11	887.03	69.58	-0.02	-53.33	0.0	-98.82	42.74	0.37	1.88	-6.87	-
2623.63		-2623.63	-6.87	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.35	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.58	
672.08												
116	17	850.78	55.99	-0.02	-53.33	0.0	-29.90	40.77	0.24	1.73	7.66	-
2343.41		-2343.41	7.66	-1.82e-04	0.0	102.5	-23.76	14.11	0.24	1.73	31.83	
469.45						205.0	-17.62	-12.56	0.24	1.73	55.99	
548.71												
116	18	934.74	83.16	-0.01	-53.33	0.0	-167.75	44.71	0.51	2.03	-21.41	-
2903.85		-2903.85	-21.41	-7.16e-04	0.0	102.5	-161.61	18.04	0.51	2.03	30.88	
312.61						205.0	-155.47	-8.62	0.51	2.03	83.16	
795.46												
116	22	938.26	87.82	-0.01	-53.33	0.0	-160.99	44.53	0.53	2.21	-22.57	-
2878.20		-2878.20	-22.57	-6.23e-04	0.0	102.5	-154.85	17.87	0.53	2.21	32.63	
324.64						205.0	-148.71	-8.80	0.53	2.21	87.82	
793.87												
116	42	920.02	113.06	-0.01	-53.33	0.0	-107.65	43.04	0.73	2.81	-40.61	-
2664.31		-2664.31	-40.61	-1.03e-03	0.0	102.5	-101.52	16.37	0.73	2.81	36.23	
395.68						205.0	-95.38	-10.29	0.73	2.81	113.06	
722.06												
116	49	860.11	61.54	-0.02	-53.33	0.0	-58.50	41.59	0.29	1.79	1.78	-
2459.69		-2459.69	1.78	-2.53e-04	0.0	102.5	-52.36	14.92	0.29	1.79	31.66	
436.91						205.0	-46.22	-11.74	0.29	1.79	61.54	
599.90												
116	50	914.94	77.62	-0.01	-53.33	0.0	-139.15	43.89	0.45	1.97	-15.53	-
2787.57		-2787.57	-15.53	-6.05e-04	0.0	102.5	-133.01	17.23	0.45	1.97	31.05	
345.15						205.0	-126.87	-9.44	0.45	1.97	77.62	
744.27												
116	54	917.07	80.87	-0.01	-53.33	0.0	-134.75	43.78	0.47	2.09	-16.04	-
2770.92		-2770.92	-16.04	-5.48e-04	0.0	102.5	-128.61	17.11	0.47	2.09	32.41	
352.86						205.0	-122.47	-9.55	0.47	2.09	80.87	
743.04												
116	74	907.10	97.81	-0.02	-53.33	0.0	-103.27	42.90	0.60	2.50	-27.41	-
2645.07		-2645.07	-27.41	-8.19e-04	0.0	102.5	-97.13	16.24	0.60	2.50	35.20	
395.13						205.0	-91.00	-10.43	0.60	2.50	97.81	
701.73												
116	80	887.03	69.58	-0.02	-53.33	0.0	-98.82	42.74	0.37	1.88	-6.87	-
2623.63		-2623.63	-6.87	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.35	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.58	
672.08												
116	81	887.03	69.58	-0.02	-53.33	0.0	-98.82	42.74	0.37	1.88	-6.87	-
2623.63		-2623.63	-6.87	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.35	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.58	
672.08												
116	82	887.03	69.58	-0.02	-53.33	0.0	-98.82	42.74	0.37	1.88	-6.87	-
2623.63		-2623.63	-6.87	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.35	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.58	

672.08													
117	1	1217.34	28.85	-0.02	-69.33	0.0	680.98	40.58	0.52	2.46	-76.98	-	
1213.80		-1213.80	-76.98	-2.75e-04	0.0	102.5	673.00	5.91	0.52	2.46	-24.06		
1169.32						205.0	665.02	-28.75	0.52	2.46	28.85	-	
1.25													
117	2	936.42	22.19	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.22	-	
933.69		-933.69	-59.22	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.51		
899.48						205.0	511.55	-22.12	0.40	1.89	22.19	-	
0.96													
117	11	936.42	22.19	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.22	-	
933.69		-933.69	-59.22	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.51		
899.48						205.0	511.55	-22.12	0.40	1.89	22.19	-	
0.96													
117	24	871.84	39.72	-0.01	-53.33	0.0	494.56	29.27	0.55	1.71	-74.62	-	
774.02		-774.02	-74.62	-2.91e-04	0.0	102.5	488.42	2.60	0.55	1.71	-17.45		
859.82						205.0	482.28	-24.06	0.55	1.71	39.72	-	
239.96													
117	27	1020.14	4.67	-0.01	-53.33	0.0	553.10	33.16	0.24	2.07	-43.81	-	
1093.37		-1093.37	-43.81	-1.32e-04	0.0	102.5	546.96	6.49	0.24	2.07	-19.57		
939.14						205.0	540.82	-20.17	0.24	2.07	4.67	-	
238.03													
117	44	927.38	83.08	-0.01	-53.33	0.0	511.68	30.96	0.86	1.00	-96.35	-	
913.06		-913.06	-96.35	6.67e-04	0.0	102.5	505.54	4.29	0.86	1.00	-6.63		
893.74						205.0	499.40	-22.37	0.86	1.00	83.08	-	
33.08													
117	56	898.64	32.72	-0.01	-53.33	0.0	506.71	30.08	0.49	1.77	-68.43	-	
840.30		-840.30	-68.43	-2.72e-04	0.0	102.5	500.57	3.41	0.49	1.77	-17.85		
876.28						205.0	494.43	-23.25	0.49	1.77	32.72	-	
140.76													
117	59	982.99	11.66	-0.01	-53.33	0.0	540.95	32.35	0.30	2.01	-50.00	-	
1027.09		-1027.09	-50.00	-1.51e-04	0.0	102.5	534.81	5.69	0.30	2.01	-19.17		
922.68						205.0	528.67	-20.98	0.30	2.01	11.66	-	
138.84													
117	76	931.71	62.00	-0.01	-53.33	0.0	516.66	31.08	0.70	1.30	-82.55	-	
923.20		-923.20	-82.55	3.65e-04	0.0	102.5	510.52	4.42	0.70	1.30	-10.27		
896.46						205.0	504.38	-22.25	0.70	1.30	62.00	-	
17.49													
117	80	936.42	22.19	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.22	-	
933.69		-933.69	-59.22	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.51		
899.48						205.0	511.55	-22.12	0.40	1.89	22.19	-	
0.96													
117	81	936.42	22.19	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.22	-	
933.69		-933.69	-59.22	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.51		
899.48						205.0	511.55	-22.12	0.40	1.89	22.19	-	
0.96													
117	82	936.42	22.19	-0.01	-53.33	0.0	523.83	31.21	0.40	1.89	-59.22	-	
933.69		-933.69	-59.22	-2.11e-04	0.0	102.5	517.69	4.55	0.40	1.89	-18.51		
899.48						205.0	511.55	-22.12	0.40	1.89	22.19	-	
0.96													
118	1	1153.16	8.95	-0.02	-69.33	0.0	-128.47	55.56	-0.49	-2.45	8.95	-	
3410.74		-3410.74	-90.50	5.40e-04	0.0	102.5	-120.49	20.90	-0.49	-2.45	-40.78		

508.34													
						205.0	-112.51	-13.77	-0.49	-2.45	-90.50		
873.73													
118	2	887.04	6.89	-0.02	-53.33	0.0	-98.83	42.74	-0.37	-1.88	6.89	-	
2623.65		-2623.65	-69.62	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.37		
391.03													
						205.0	-86.55	-10.59	-0.37	-1.88	-69.62		
672.10													
118	11	887.04	6.89	-0.02	-53.33	0.0	-98.83	42.74	-0.37	-1.88	6.89	-	
2623.65		-2623.65	-69.62	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.37		
391.03													
						205.0	-86.55	-10.59	-0.37	-1.88	-69.62		
672.10													
118	24	850.89	-8.05	-0.02	-53.33	0.0	-29.92	40.77	-0.24	-1.73	-8.05	-	
2343.53		-2343.53	-55.74	1.86e-04	0.0	102.5	-23.78	14.11	-0.24	-1.73	-31.90		
469.49													
						205.0	-17.64	-12.56	-0.24	-1.73	-55.74		
548.89													
118	27	934.63	21.83	-0.01	-53.33	0.0	-167.73	44.71	-0.51	-2.03	21.83	-	
2903.77		-2903.77	-83.50	7.10e-04	0.0	102.5	-161.59	18.04	-0.51	-2.03	-30.84		
312.58													
						205.0	-155.45	-8.62	-0.51	-2.03	-83.50		
795.31													
118	31	938.15	22.97	-0.01	-53.33	0.0	-160.97	44.53	-0.53	-2.21	22.97	-	
2878.09		-2878.09	-88.19	6.19e-04	0.0	102.5	-154.83	17.87	-0.53	-2.21	-32.61		
324.62													
						205.0	-148.69	-8.80	-0.53	-2.21	-88.19		
793.72													
118	47	920.01	40.68	-0.01	-53.33	0.0	-107.65	43.04	-0.73	-2.81	40.68	-	
2664.27		-2664.27	-113.21	1.03e-03	0.0	102.5	-101.51	16.37	-0.73	-2.81	-36.26		
395.69													
						205.0	-95.37	-10.29	-0.73	-2.81	-113.21		
722.04													
118	56	860.17	-2.00	-0.02	-53.33	0.0	-58.51	41.59	-0.29	-1.79	-2.00	-	
2459.77		-2459.77	-61.41	2.55e-04	0.0	102.5	-52.37	14.92	-0.29	-1.79	-31.71		
436.93													
						205.0	-46.23	-11.74	-0.29	-1.79	-61.41		
600.01													
118	59	914.89	15.78	-0.01	-53.33	0.0	-139.14	43.89	-0.45	-1.98	15.78	-	
2787.53		-2787.53	-77.83	6.02e-04	0.0	102.5	-133.00	17.22	-0.45	-1.98	-31.03		
345.14													
						205.0	-126.86	-9.44	-0.45	-1.98	-77.83		
744.19													
118	63	917.01	16.29	-0.01	-53.33	0.0	-134.74	43.78	-0.47	-2.10	16.29	-	
2770.87		-2770.87	-81.10	5.46e-04	0.0	102.5	-128.60	17.11	-0.47	-2.10	-32.41		
352.85													
						205.0	-122.46	-9.55	-0.47	-2.10	-81.10		
742.96													
118	79	907.10	27.47	-0.02	-53.33	0.0	-103.27	42.90	-0.60	-2.50	27.47	-	
2645.07		-2645.07	-97.92	8.19e-04	0.0	102.5	-97.13	16.24	-0.60	-2.50	-35.22		
395.13													
						205.0	-90.99	-10.43	-0.60	-2.50	-97.92		
701.72													
118	80	887.04	6.89	-0.02	-53.33	0.0	-98.83	42.74	-0.37	-1.88	6.89	-	
2623.65		-2623.65	-69.62	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.37		
391.03													
						205.0	-86.55	-10.59	-0.37	-1.88	-69.62		
672.10													
118	81	887.04	6.89	-0.02	-53.33	0.0	-98.83	42.74	-0.37	-1.88	6.89	-	
2623.65		-2623.65	-69.62	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.37		
391.03													
						205.0	-86.55	-10.59	-0.37	-1.88	-69.62		
672.10													
118	82	887.04	6.89	-0.02	-53.33	0.0	-98.83	42.74	-0.37	-1.88	6.89	-	

2623.65												
391.03		-2623.65	-69.62	4.15e-04	0.0	102.5	-92.69	16.07	-0.37	-1.88	-31.37	
672.10						205.0	-86.55	-10.59	-0.37	-1.88	-69.62	
119	1	1217.34	76.98	-0.02	-69.33	0.0	680.98	40.58	-0.52	-2.46	76.98	-
1213.80		-1213.80	-28.85	2.75e-04	0.0	102.5	673.00	5.91	-0.52	-2.46	24.06	
1169.32						205.0	665.02	-28.75	-0.52	-2.46	-28.85	-
1.25												
119	2	936.42	59.22	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.22	-
933.69		-933.69	-22.19	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.51	
899.48						205.0	511.55	-22.12	-0.40	-1.89	-22.19	-
0.96												
119	11	936.42	59.22	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.22	-
933.69		-933.69	-22.19	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.51	
899.48						205.0	511.55	-22.12	-0.40	-1.89	-22.19	-
0.96												
119	25	863.19	57.51	-0.01	-53.33	0.0	489.16	29.02	-0.40	-1.77	57.51	-
754.02		-754.02	-25.08	3.65e-04	0.0	102.5	483.03	2.36	-0.40	-1.77	16.21	
854.36						205.0	476.89	-24.31	-0.40	-1.77	-25.08	-
270.88												
119	26	1031.97	60.92	-0.01	-53.33	0.0	558.49	33.41	-0.39	-2.01	60.92	-
1113.37		-1113.37	-19.31	-1.56e-04	0.0	102.5	552.35	6.74	-0.39	-2.01	20.81	
944.60						205.0	546.21	-19.92	-0.39	-2.01	-19.31	-
268.96												
119	47	972.92	97.40	-0.01	-53.33	0.0	530.04	32.14	-0.87	-1.00	97.40	-
1010.15		-1010.15	-83.57	-6.67e-04	0.0	102.5	523.90	5.48	-0.87	-1.00	6.91	
918.01						205.0	517.76	-21.19	-0.87	-1.00	-83.57	-
112.55												
119	57	893.57	58.80	-0.01	-53.33	0.0	503.55	29.93	-0.41	-1.81	58.80	-
828.56		-828.56	-24.64	3.24e-04	0.0	102.5	497.41	3.27	-0.41	-1.81	17.08	
873.08						205.0	491.27	-23.40	-0.41	-1.81	-24.64	-
158.90												
119	58	989.93	59.64	-0.01	-53.33	0.0	544.11	32.50	-0.39	-1.97	59.64	-
1038.82		-1038.82	-19.75	-1.38e-04	0.0	102.5	537.97	5.83	-0.39	-1.97	19.94	
925.88						205.0	531.83	-20.83	-0.39	-1.97	-19.75	-
156.97												
119	79	956.01	83.17	-0.01	-53.33	0.0	527.33	31.77	-0.70	-1.30	83.17	-
979.66		-979.66	-62.29	-3.65e-04	0.0	102.5	521.19	5.11	-0.70	-1.30	10.44	
910.58						205.0	515.05	-21.56	-0.70	-1.30	-62.29	-
67.20												
119	80	936.42	59.22	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.22	-
933.69		-933.69	-22.19	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.51	
899.48						205.0	511.55	-22.12	-0.40	-1.89	-22.19	-
0.96												
119	81	936.42	59.22	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.22	-
933.69		-933.69	-22.19	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.51	
899.48						205.0	511.55	-22.12	-0.40	-1.89	-22.19	-
0.96												
119	82	936.42	59.22	-0.01	-53.33	0.0	523.83	31.21	-0.40	-1.89	59.22	-
933.69		-933.69	-22.19	2.11e-04	0.0	102.5	517.69	4.55	-0.40	-1.89	18.51	
899.48						205.0	511.55	-22.12	-0.40	-1.89	-22.19	-

0.96												
120	1	1153.16	90.50	-0.02	-69.33	0.0	-128.47	55.56	0.49	2.45	-8.95	-
3410.74		-3410.74	-8.95	-5.40e-04	0.0	102.5	-120.49	20.90	0.49	2.45	40.78	
508.34						205.0	-112.51	-13.77	0.49	2.45	90.50	
873.73												
120	2	887.04	69.62	-0.02	-53.33	0.0	-98.83	42.74	0.37	1.88	-6.89	-
2623.65		-2623.65	-6.89	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.37	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.62	
672.10												
120	11	887.04	69.62	-0.02	-53.33	0.0	-98.83	42.74	0.37	1.88	-6.89	-
2623.65		-2623.65	-6.89	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.37	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.62	
672.10												
120	25	845.96	68.88	-0.02	-53.33	0.0	-22.10	40.50	0.38	1.83	-9.65	-
2307.08		-2307.08	-9.65	-2.12e-04	0.0	102.5	-15.96	13.84	0.38	1.83	29.62	
478.35						205.0	-9.82	-12.83	0.38	1.83	68.88	
530.16												
120	26	943.01	70.36	-0.01	-53.33	0.0	-175.55	44.97	0.36	1.93	-4.13	-
2940.22		-2940.22	-4.13	-6.45e-04	0.0	102.5	-169.41	18.31	0.36	1.93	33.12	
303.71						205.0	-163.28	-8.35	0.36	1.93	70.36	
814.04												
120	30	946.54	75.05	-0.01	-53.33	0.0	-168.79	44.80	0.39	2.11	-5.27	-
2914.55		-2914.55	-5.27	-5.60e-04	0.0	102.5	-162.66	18.13	0.39	2.11	34.89	
315.76						205.0	-156.52	-8.53	0.39	2.11	75.05	
812.46												
120	44	890.32	113.52	-0.02	-53.33	0.0	-66.07	41.84	0.74	2.81	-42.07	-
2493.60		-2493.60	-42.07	-1.03e-03	0.0	102.5	-59.93	15.17	0.74	2.81	35.73	
443.07						205.0	-53.79	-11.49	0.74	2.81	113.52	
646.12												
120	57	857.28	68.63	-0.02	-53.33	0.0	-53.92	41.43	0.37	1.85	-7.87	-
2438.39		-2438.39	-7.87	-2.72e-04	0.0	102.5	-47.78	14.77	0.37	1.85	30.38	
442.13						205.0	-41.65	-11.90	0.37	1.85	68.63	
589.04												
120	58	919.80	70.61	-0.01	-53.33	0.0	-143.73	44.05	0.37	1.91	-5.90	-
2808.90		-2808.90	-5.90	-5.72e-04	0.0	102.5	-137.59	17.38	0.37	1.91	32.35	
339.94						205.0	-131.45	-9.28	0.37	1.91	70.61	
755.16												
120	62	921.93	73.88	-0.01	-53.33	0.0	-139.33	43.93	0.39	2.03	-6.42	-
2792.25		-2792.25	-6.42	-5.16e-04	0.0	102.5	-133.19	17.27	0.39	2.03	33.73	
347.65						205.0	-127.05	-9.40	0.39	2.03	73.88	
753.94												
120	76	889.83	98.11	-0.02	-53.33	0.0	-79.09	42.20	0.60	2.50	-28.30	-
2545.81		-2545.81	-28.30	-8.18e-04	0.0	102.5	-72.95	15.54	0.60	2.50	34.90	
422.69						205.0	-66.81	-11.13	0.60	2.50	98.11	
657.57												
120	80	887.04	69.62	-0.02	-53.33	0.0	-98.83	42.74	0.37	1.88	-6.89	-
2623.65		-2623.65	-6.89	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.37	
391.03						205.0	-86.55	-10.59	0.37	1.88	69.62	
672.10												
120	81	887.04	69.62	-0.02	-53.33	0.0	-98.83	42.74	0.37	1.88	-6.89	-
2623.65		-2623.65	-6.89	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.37	

391.03													
						205.0	-86.55	-10.59	0.37	1.88	69.62		
672.10													
120	82	887.04	69.62	-0.02	-53.33	0.0	-98.83	42.74	0.37	1.88	-6.89	-	
2623.65													
		-2623.65	-6.89	-4.15e-04	0.0	102.5	-92.69	16.07	0.37	1.88	31.37		
391.03													
						205.0	-86.55	-10.59	0.37	1.88	69.62		
672.10													
121	1	1061.23	32.03	-5.33e-03	-69.33	0.0	178.93	29.54	0.63	2.44	-96.89	-	
228.17													
		-1279.27	-96.89	-2.80e-04	0.0	102.5	170.95	-5.13	0.63	2.44	-32.43		
1023.30													
						205.0	162.97	-39.79	0.63	2.44	32.03	-	
1279.27													
121	2	816.33	24.64	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.53	-	
175.51													
		-984.06	-74.53	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.95		
787.16													
						205.0	125.36	-30.61	0.48	1.88	24.64	-	
984.06													
121	11	816.33	24.64	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.53	-	
175.51													
		-984.06	-74.53	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.95		
787.16													
						205.0	125.36	-30.61	0.48	1.88	24.64	-	
984.06													
121	16	810.99	25.21	-4.32e-03	-53.33	0.0	89.89	20.19	0.45	1.67	-66.85		
27.55													
		-1300.63	-66.85	-4.98e-04	0.0	102.5	83.75	-6.48	0.45	1.67	-20.82		
730.40													
						205.0	77.62	-33.14	0.45	1.67	25.21	-	
1300.63													
121	19	843.91	24.07	-4.05e-03	-53.33	0.0	185.39	25.26	0.52	2.09	-82.22	-	
378.58													
		-667.48	-82.22	2.72e-04	0.0	102.5	179.25	-1.41	0.52	2.09	-29.08		
843.91													
						205.0	173.11	-28.08	0.52	2.09	24.07	-	
667.48													
121	21	811.40	-1.20	-4.33e-03	-53.33	0.0	94.37	20.18	0.24	2.09	-68.61	-	
28.33													
		-1300.83	-68.61	-7.61e-04	0.0	102.5	88.23	-6.48	0.24	2.09	-34.91		
730.69													
						205.0	82.09	-33.15	0.24	2.09	-1.20	-	
1300.83													
121	34	820.36	73.63	-3.88e-03	-53.33	0.0	143.70	23.05	0.88	1.25	-109.48	-	
200.75													
		-942.40	-109.48	-7.23e-04	0.0	102.5	137.56	-3.62	0.88	1.25	-17.93		
795.37													
						205.0	131.42	-30.28	0.88	1.25	73.63	-	
942.40													
121	43	821.54	-14.40	-3.92e-03	-53.33	0.0	158.61	23.03	0.19	2.63	-115.37	-	
198.14													
		-943.06	-115.37	-1.60e-03	0.0	102.5	152.47	-3.63	0.19	2.63	-64.89		
796.34													
						205.0	146.33	-30.30	0.19	2.63	-14.40	-	
943.06													
121	48	807.60	25.83	-4.22e-03	-53.33	0.0	109.69	21.24	0.47	1.75	-70.50	-	
56.67													
		-1169.32	-70.50	-4.12e-04	0.0	102.5	103.55	-5.43	0.47	1.75	-22.33		
753.95													
						205.0	97.42	-32.09	0.47	1.75	25.83	-	
1169.32													
121	51	830.53	23.45	-4.03e-03	-53.33	0.0	165.59	24.21	0.50	2.02	-78.57	-	
294.36													
		-798.79	-78.57	2.28e-04	0.0	102.5	159.45	-2.46	0.50	2.02	-27.56		
820.36													
						205.0	153.31	-29.13	0.50	2.02	23.45	-	
798.79													
121	66	818.42	55.78	-3.96e-03	-53.33	0.0	140.61	22.88	0.74	1.47	-96.27	-	
187.86													
		-963.41	-96.27	-5.92e-04	0.0	102.5	134.47	-3.78	0.74	1.47	-20.24		
791.31													
						205.0	128.33	-30.45	0.74	1.47	55.78	-	
963.41													
121	75	819.31	0.48	-3.99e-03	-53.33	0.0	150.06	22.88	0.31	2.38	-99.73	-	

186.33												
792.10		-963.35	-99.73	-1.14e-03	0.0	102.5	143.92	-3.79	0.31	2.38	-49.62	
						205.0	137.78	-30.46	0.31	2.38	0.48	-
963.35												
121	80	816.33	24.64	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.53	-
175.51		-984.06	-74.53	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.95	
787.16						205.0	125.36	-30.61	0.48	1.88	24.64	-
984.06												
121	81	816.33	24.64	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.53	-
175.51		-984.06	-74.53	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.95	
787.16						205.0	125.36	-30.61	0.48	1.88	24.64	-
984.06												
121	82	816.33	24.64	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.53	-
175.51		-984.06	-74.53	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.95	
787.16						205.0	125.36	-30.61	0.48	1.88	24.64	-
984.06												
122	1	791.01	18.44	-7.83e-03	-69.33	0.0	281.75	38.46	-0.54	-2.43	18.44	-
1395.52		-1395.52	-92.37	4.93e-04	0.0	102.5	289.73	3.79	-0.54	-2.43	-36.97	
770.19						205.0	297.71	-30.87	-0.54	-2.43	-92.37	-
618.15												
122	2	608.47	14.18	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.18	-
1073.48		-1073.48	-71.06	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.44	
592.45						205.0	229.01	-23.75	-0.42	-1.87	-71.06	-
475.50												
122	11	608.47	14.18	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.18	-
1073.48		-1073.48	-71.06	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.44	
592.45						205.0	229.01	-23.75	-0.42	-1.87	-71.06	-
475.50												
122	19	563.87	-12.92	-5.78e-03	-53.33	0.0	145.46	31.92	-0.35	-1.94	-12.92	-
1390.52		-1390.52	-68.29	8.02e-04	0.0	102.5	151.60	5.25	-0.35	-1.94	-40.60	
514.72						205.0	157.74	-21.42	-0.35	-1.94	-68.29	-
313.91												
122	21	677.03	17.07	-6.28e-03	-53.33	0.0	288.28	27.26	-0.45	-2.19	17.07	-
757.46		-757.46	-92.50	4.30e-04	0.0	102.5	294.42	0.59	-0.45	-2.19	-37.71	
677.03						205.0	300.56	-26.07	-0.45	-2.19	-92.50	-
622.36												
122	22	555.04	11.30	-5.76e-03	-53.33	0.0	145.18	31.91	-0.38	-1.55	11.30	-
1389.50		-1389.50	-49.62	3.32e-04	0.0	102.5	151.32	5.24	-0.38	-1.55	-19.16	
507.87						205.0	157.46	-21.43	-0.38	-1.55	-49.62	-
328.64												
122	40	588.72	71.95	-6.18e-03	-53.33	0.0	223.63	29.25	-0.82	-0.98	71.95	-
1029.71		-1029.71	-42.33	1.26e-04	0.0	102.5	229.77	2.59	-0.82	-0.98	14.81	
579.76						205.0	235.91	-24.08	-0.82	-0.98	-42.33	-
544.65												
122	41	655.59	-32.45	-6.03e-03	-53.33	0.0	250.35	28.58	-0.10	-2.79	-32.45	-
936.06		-936.06	-106.85	7.12e-04	0.0	102.5	256.49	1.91	-0.10	-2.79	-69.65	
649.60						205.0	262.63	-24.75	-0.10	-2.79	-106.85	-
498.61												
122	51	580.49	-1.86	-5.89e-03	-53.33	0.0	175.01	30.95	-0.38	-1.92	-1.86	-
1259.07		-1259.07	-69.92	6.62e-04	0.0	102.5	181.15	4.28	-0.38	-1.92	-35.89	
546.96						205.0	187.29	-22.38	-0.38	-1.92	-69.92	-

380.88												
122	53	642.24	14.94	-6.17e-03	-53.33	0.0	258.64	28.22	-0.43	-2.08	14.94	-
888.78		-888.78	-83.63	4.07e-04	0.0	102.5	264.78	1.56	-0.43	-2.08	-34.35	
642.24						205.0	270.92	-25.11	-0.43	-2.08	-83.63	-
560.63												
122	54	575.54	13.43	-5.87e-03	-53.33	0.0	174.82	30.94	-0.40	-1.66	13.43	-
1258.18		-1258.18	-58.48	3.53e-04	0.0	102.5	180.96	4.27	-0.40	-1.66	-22.53	
542.66						205.0	187.10	-22.39	-0.40	-1.66	-58.48	-
390.38												
122	72	595.15	50.84	-6.12e-03	-53.33	0.0	219.79	29.41	-0.67	-1.28	50.84	-
1050.82		-1050.82	-53.82	1.97e-04	0.0	102.5	225.93	2.74	-0.67	-1.28	-1.49	
583.13						205.0	232.07	-23.92	-0.67	-1.28	-53.82	-
516.80												
122	73	637.70	-16.00	-6.02e-03	-53.33	0.0	237.25	28.98	-0.22	-2.48	-16.00	-
990.73		-990.73	-92.37	5.79e-04	0.0	102.5	243.39	2.31	-0.22	-2.48	-54.19	
627.64						205.0	249.53	-24.35	-0.22	-2.48	-92.37	-
487.88												
122	80	608.47	14.18	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.18	-
1073.48		-1073.48	-71.06	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.44	
592.45						205.0	229.01	-23.75	-0.42	-1.87	-71.06	-
475.50												
122	81	608.47	14.18	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.18	-
1073.48		-1073.48	-71.06	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.44	
592.45						205.0	229.01	-23.75	-0.42	-1.87	-71.06	-
475.50												
122	82	608.47	14.18	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.18	-
1073.48		-1073.48	-71.06	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.44	
592.45						205.0	229.01	-23.75	-0.42	-1.87	-71.06	-
475.50												
123	1	1061.23	96.89	-5.33e-03	-69.33	0.0	178.93	29.54	-0.63	-2.44	96.89	-
228.17		-1279.27	-32.03	2.80e-04	0.0	102.5	170.95	-5.13	-0.63	-2.44	32.43	
1023.30						205.0	162.97	-39.79	-0.63	-2.44	-32.03	-
1279.27												
123	2	816.33	74.53	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.53	-
175.51		-984.06	-24.64	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.95	
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
984.06												
123	11	816.33	74.53	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.53	-
175.51		-984.06	-24.64	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.95	
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
984.06												
123	17	811.88	98.57	-4.25e-03	-53.33	0.0	96.12	20.42	-0.70	-1.67	98.57	-
10.50		-1269.84	-46.65	2.60e-04	0.0	102.5	89.98	-6.24	-0.70	-1.67	25.96	
737.27						205.0	83.84	-32.91	-0.70	-1.67	-46.65	-
1269.84												
123	18	837.04	50.49	-4.08e-03	-53.33	0.0	179.16	25.02	-0.26	-2.09	50.49	-
361.53		-698.27	-2.63	1.71e-04	0.0	102.5	173.02	-1.64	-0.26	-2.09	23.93	
837.04						205.0	166.88	-28.31	-0.26	-2.09	-2.63	-
698.27												
123	20	812.30	100.34	-4.27e-03	-53.33	0.0	100.59	20.42	-0.50	-2.09	100.34	-
11.28		-1270.04	-20.24	5.23e-04	0.0	102.5	94.46	-6.25	-0.50	-2.09	40.05	

737.56												
1270.04						205.0	88.32	-32.91	-0.50	-2.09	-20.24	-
123	39	819.18	109.42	-3.89e-03	-53.33	0.0	141.43	22.92	-0.88	-1.25	109.42	-
190.43		-958.37	-72.68	7.43e-04	0.0	102.5	135.29	-3.75	-0.88	-1.25	18.37	-
792.54						205.0	129.15	-30.41	-0.88	-1.25	-72.68	-
958.37						205.0	129.15	-30.41	-0.88	-1.25	-72.68	-
123	46	820.35	115.30	-3.93e-03	-53.33	0.0	156.34	22.91	-0.19	-2.63	115.30	-
187.82		-959.04	15.35	1.62e-03	0.0	102.5	150.20	-3.76	-0.19	-2.63	65.33	-
793.51						205.0	144.06	-30.43	-0.19	-2.63	15.35	-
959.04						205.0	144.06	-30.43	-0.19	-2.63	15.35	-
123	49	808.11	88.93	-4.19e-03	-53.33	0.0	113.35	21.38	-0.62	-1.75	88.93	-
66.69		-1151.24	-38.17	2.59e-04	0.0	102.5	107.21	-5.29	-0.62	-1.75	25.38	-
757.98						205.0	101.07	-31.96	-0.62	-1.75	-38.17	-
1151.24						205.0	101.07	-31.96	-0.62	-1.75	-38.17	-
123	50	828.26	60.14	-4.05e-03	-53.33	0.0	161.94	24.07	-0.35	-2.01	60.14	-
284.34		-816.87	-11.11	1.73e-04	0.0	102.5	155.80	-2.60	-0.35	-2.01	24.51	-
816.34						205.0	149.66	-29.26	-0.35	-2.01	-11.11	-
816.87						205.0	149.66	-29.26	-0.35	-2.01	-11.11	-
123	71	817.61	96.13	-3.96e-03	-53.33	0.0	139.05	22.80	-0.73	-1.47	96.13	-
180.87		-974.25	-55.19	6.04e-04	0.0	102.5	132.91	-3.87	-0.73	-1.47	20.47	-
789.38						205.0	126.77	-30.54	-0.73	-1.47	-55.19	-
974.25						205.0	126.77	-30.54	-0.73	-1.47	-55.19	-
123	78	818.50	99.59	-3.99e-03	-53.33	0.0	148.50	22.79	-0.30	-2.37	99.59	-
179.34		-974.19	0.11	1.16e-03	0.0	102.5	142.36	-3.88	-0.30	-2.37	49.85	-
790.18						205.0	136.22	-30.54	-0.30	-2.37	0.11	-
974.19						205.0	136.22	-30.54	-0.30	-2.37	0.11	-
123	80	816.33	74.53	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.53	-
175.51		-984.06	-24.64	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.95	-
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
984.06						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
123	81	816.33	74.53	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.53	-
175.51		-984.06	-24.64	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.95	-
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
984.06						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
123	82	816.33	74.53	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.53	-
175.51		-984.06	-24.64	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.95	-
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
984.06						205.0	125.36	-30.61	-0.48	-1.88	-24.64	-
124	1	791.01	92.37	-7.83e-03	-69.33	0.0	281.75	38.46	0.54	2.43	-18.44	-
1395.52		-1395.52	-18.44	-4.93e-04	0.0	102.5	289.73	3.79	0.54	2.43	36.97	-
770.19						205.0	297.71	-30.87	0.54	2.43	92.37	-
618.15						205.0	297.71	-30.87	0.54	2.43	92.37	-
124	2	608.47	71.06	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.18	-
1073.48		-1073.48	-14.18	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.44	-
592.45						205.0	229.01	-23.75	0.42	1.87	71.06	-
475.50						205.0	229.01	-23.75	0.42	1.87	71.06	-
124	11	608.47	71.06	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.18	-
1073.48		-1073.48	-14.18	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.44	-
592.45						205.0	229.01	-23.75	0.42	1.87	71.06	-
475.50						205.0	229.01	-23.75	0.42	1.87	71.06	-
124	18	564.69	89.99	-5.85e-03	-53.33	0.0	150.39	31.68	0.61	2.04	-20.22	-

1359.64												
521.56		-1359.64	-20.22	-7.12e-04	0.0	102.5	156.53	5.02	0.61	2.04	34.88	
						205.0	162.66	-21.65	0.61	2.04	89.99	-
331.11												
124	20	670.19	70.79	-6.21e-03	-53.33	0.0	283.35	27.49	0.19	2.10	16.07	-
788.34		-788.34	16.07	-5.24e-04	0.0	102.5	289.49	0.83	0.19	2.10	43.43	
670.19						205.0	295.63	-25.84	0.19	2.10	70.79	-
605.16												
124	23	556.65	71.32	-5.83e-03	-53.33	0.0	150.11	31.67	0.64	1.65	-44.44	-
1358.62		-1358.62	-44.44	-2.42e-04	0.0	102.5	156.25	5.01	0.64	1.65	13.44	
514.71						205.0	162.39	-21.66	0.64	1.65	71.32	-
345.85												
124	42	629.36	106.30	-5.88e-03	-53.33	0.0	211.31	29.84	0.09	2.80	33.64	-
1107.98		-1107.98	33.64	-7.14e-04	0.0	102.5	217.45	3.18	0.09	2.80	69.97	
607.19						205.0	223.58	-23.49	0.09	2.80	106.30	-
411.51												
124	45	586.23	41.53	-6.17e-03	-53.33	0.0	219.94	29.37	0.82	0.97	-71.71	-
1045.66		-1045.66	-71.71	-1.41e-04	0.0	102.5	226.07	2.70	0.82	0.97	-15.09	
575.77						205.0	232.21	-23.96	0.82	0.97	41.53	-
536.67												
124	50	582.74	82.44	-5.92e-03	-53.33	0.0	177.91	30.81	0.53	1.97	-17.40	-
1240.94		-1240.94	-17.40	-6.00e-04	0.0	102.5	184.05	4.14	0.53	1.97	32.52	
550.98						205.0	190.19	-22.52	0.53	1.97	82.44	-
390.98												
124	52	639.14	71.11	-6.13e-03	-53.33	0.0	255.75	28.36	0.28	2.02	4.33	-
906.90		-906.90	4.33	-4.70e-04	0.0	102.5	261.88	1.70	0.28	2.02	37.72	
638.23						205.0	268.02	-24.97	0.28	2.02	71.11	-
550.53												
124	55	577.79	71.00	-5.91e-03	-53.33	0.0	177.72	30.80	0.55	1.72	-32.70	-
1240.06		-1240.06	-32.70	-2.91e-04	0.0	102.5	183.86	4.14	0.55	1.72	19.15	
546.68						205.0	189.99	-22.53	0.55	1.72	71.00	-
400.47												
124	74	622.46	92.05	-5.93e-03	-53.33	0.0	214.54	29.71	0.21	2.48	16.69	-
1090.70		-1090.70	16.69	-5.80e-04	0.0	102.5	220.68	3.05	0.21	2.48	54.37	
602.97						205.0	226.82	-23.62	0.21	2.48	92.05	-
437.23												
124	77	593.47	53.31	-6.11e-03	-53.33	0.0	217.30	29.49	0.66	1.28	-50.60	-
1061.64		-1061.64	-50.60	-2.04e-04	0.0	102.5	223.44	2.82	0.66	1.28	1.36	
580.44						205.0	229.58	-23.84	0.66	1.28	53.31	-
511.37												
124	80	608.47	71.06	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.18	-
1073.48		-1073.48	-14.18	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.44	
592.45						205.0	229.01	-23.75	0.42	1.87	71.06	-
475.50												
124	81	608.47	71.06	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.18	-
1073.48		-1073.48	-14.18	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.44	
592.45						205.0	229.01	-23.75	0.42	1.87	71.06	-
475.50												
124	82	608.47	71.06	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.18	-
1073.48		-1073.48	-14.18	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.44	
592.45						205.0	229.01	-23.75	0.42	1.87	71.06	-

475.50													
125	1	1061.24	32.04	-5.33e-03	-69.33	0.0	178.93	29.54	0.63	2.45	-96.94	-	
228.14		-1279.29	-96.94	-2.80e-04	0.0	102.5	170.95	-5.13	0.63	2.45	-32.45		
1023.30						205.0	162.97	-39.79	0.63	2.45	32.04	-	
1279.29													
125	2	816.33	24.65	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.57	-	
175.50		-984.07	-74.57	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.96		
787.16						205.0	125.36	-30.61	0.48	1.88	24.65	-	
984.07													
125	11	816.33	24.65	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.57	-	
175.50		-984.07	-74.57	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.96		
787.16						205.0	125.36	-30.61	0.48	1.88	24.65	-	
984.07													
125	24	811.94	45.60	-4.25e-03	-53.33	0.0	96.18	20.42	0.69	1.68	-97.56	-	
10.62		-1269.86	-97.56	-2.68e-04	0.0	102.5	90.04	-6.24	0.69	1.68	-25.98		
737.32						205.0	83.90	-32.91	0.69	1.68	45.60	-	
1269.86													
125	27	837.00	3.69	-4.08e-03	-53.33	0.0	179.10	25.02	0.28	2.09	-51.58	-	
361.61		-698.28	-51.58	-1.64e-04	0.0	102.5	172.96	-1.64	0.28	2.09	-23.94		
837.00						205.0	166.82	-28.31	0.28	2.09	3.69	-	
698.28													
125	29	812.36	19.16	-4.27e-03	-53.33	0.0	100.65	20.42	0.48	2.09	-99.35	-	
11.39		-1270.05	-99.35	-5.31e-04	0.0	102.5	94.52	-6.25	0.48	2.09	-40.09		
737.61						205.0	88.38	-32.92	0.48	2.09	19.16	-	
1270.05													
125	34	819.16	72.97	-3.89e-03	-53.33	0.0	141.37	22.92	0.88	1.25	-109.63	-	
190.40		-958.45	-109.63	-7.41e-04	0.0	102.5	135.23	-3.75	0.88	1.25	-18.33		
792.52						205.0	129.09	-30.41	0.88	1.25	72.97	-	
958.45													
125	43	820.34	-15.16	-3.93e-03	-53.33	0.0	156.29	22.90	0.19	2.63	-115.59	-	
187.81		-959.07	-115.59	-1.62e-03	0.0	102.5	150.16	-3.76	0.19	2.63	-65.38		
793.50						205.0	144.02	-30.43	0.19	2.63	-15.16	-	
959.07													
125	56	808.15	37.57	-4.18e-03	-53.33	0.0	113.38	21.38	0.61	1.75	-88.36	-	
66.61		-1151.27	-88.36	-2.63e-04	0.0	102.5	107.24	-5.29	0.61	1.75	-25.40		
758.00						205.0	101.10	-31.96	0.61	1.75	37.57	-	
1151.27													
125	59	828.23	11.73	-4.05e-03	-53.33	0.0	161.90	24.07	0.36	2.02	-60.78	-	
284.38		-816.88	-60.78	-1.68e-04	0.0	102.5	155.76	-2.60	0.36	2.02	-24.53		
816.31						205.0	149.62	-29.26	0.36	2.02	11.73	-	
816.88													
125	66	817.60	55.34	-3.96e-03	-53.33	0.0	139.02	22.80	0.74	1.47	-96.27	-	
180.85		-974.29	-96.27	-6.04e-04	0.0	102.5	132.88	-3.87	0.74	1.47	-20.46		
789.37						205.0	126.74	-30.54	0.74	1.47	55.34	-	
974.29													
125	75	818.49	-1.26e-05	-3.99e-03	-53.33	0.0	148.47	22.79	0.31	2.38	-99.75	-	
179.33		-974.21	-99.75	-1.16e-03	0.0	102.5	142.33	-3.88	0.31	2.38	-49.88		
790.17						205.0	136.20	-30.54	0.31	2.38	-1.26e-05	-	
974.21													
125	80	816.33	24.65	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.57	-	
175.50		-984.07	-74.57	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.96		

787.16													
						205.0	125.36	-30.61	0.48	1.88	24.65	-	
984.07													
125	81	816.33	24.65	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.57	-	
175.50		-984.07	-74.57	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.96	-	
787.16													
						205.0	125.36	-30.61	0.48	1.88	24.65	-	
984.07													
125	82	816.33	24.65	-4.10e-03	-53.33	0.0	137.64	22.72	0.48	1.88	-74.57	-	
175.50		-984.07	-74.57	-2.16e-04	0.0	102.5	131.50	-3.94	0.48	1.88	-24.96	-	
787.16													
						205.0	125.36	-30.61	0.48	1.88	24.65	-	
984.07													
126	1	791.01	18.45	-7.83e-03	-69.33	0.0	281.75	38.46	-0.54	-2.44	18.45	-	
1395.54		-1395.54	-92.42	4.94e-04	0.0	102.5	289.73	3.79	-0.54	-2.44	-36.99	-	
770.19													
						205.0	297.71	-30.87	-0.54	-2.44	-92.42	-	
618.13													
126	2	608.47	14.19	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.19	-	
1073.49		-1073.49	-71.09	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.45	-	
592.45													
						205.0	229.01	-23.75	-0.42	-1.87	-71.09	-	
475.49													
126	11	608.47	14.19	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.19	-	
1073.49		-1073.49	-71.09	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.45	-	
592.45													
						205.0	229.01	-23.75	-0.42	-1.87	-71.09	-	
475.49													
126	27	564.60	19.14	-5.85e-03	-53.33	0.0	150.34	31.68	-0.60	-2.04	19.14	-	
1359.68		-1359.68	-88.98	7.18e-04	0.0	102.5	156.48	5.02	-0.60	-2.04	-34.92	-	
521.48													
						205.0	162.61	-21.65	-0.60	-2.04	-88.98	-	
331.25													
126	29	670.28	-15.03	-6.21e-03	-53.33	0.0	283.39	27.49	-0.20	-2.10	-15.03	-	
788.35		-788.35	-71.92	5.19e-04	0.0	102.5	289.53	0.83	-0.20	-2.10	-43.48	-	
670.28													
						205.0	295.67	-25.84	-0.20	-2.10	-71.92	-	
604.98													
126	30	556.56	43.41	-5.83e-03	-53.33	0.0	150.06	31.67	-0.63	-1.65	43.41	-	
1358.64		-1358.64	-70.26	2.48e-04	0.0	102.5	156.20	5.01	-0.63	-1.65	-13.43	-	
514.62													
						205.0	162.34	-21.66	-0.63	-1.65	-70.26	-	
345.99													
126	40	586.26	71.95	-6.17e-03	-53.33	0.0	219.95	29.37	-0.82	-0.97	71.95	-	
1045.68		-1045.68	-41.73	1.41e-04	0.0	102.5	226.09	2.70	-0.82	-0.97	15.11	-	
575.80													
						205.0	232.23	-23.96	-0.82	-0.97	-41.73	-	
536.59													
126	41	653.15	-32.68	-6.02e-03	-53.33	0.0	246.69	28.69	-0.09	-2.79	-32.68	-	
952.00		-952.00	-106.27	7.19e-04	0.0	102.5	252.82	2.03	-0.09	-2.79	-69.47	-	
645.66													
						205.0	258.96	-24.64	-0.09	-2.79	-106.27	-	
490.55													
126	59	582.69	16.78	-5.92e-03	-53.33	0.0	177.88	30.81	-0.53	-1.97	16.78	-	
1240.97		-1240.97	-81.87	6.03e-04	0.0	102.5	184.02	4.14	-0.53	-1.97	-32.55	-	
550.93													
						205.0	190.16	-22.52	-0.53	-1.97	-81.87	-	
391.05													
126	61	639.20	-3.72	-6.13e-03	-53.33	0.0	255.77	28.36	-0.29	-2.02	-3.72	-	
906.91		-906.91	-71.78	4.67e-04	0.0	102.5	261.91	1.70	-0.29	-2.02	-37.75	-	
638.27													
						205.0	268.05	-24.97	-0.29	-2.02	-71.78	-	
550.42													
126	62	577.74	32.10	-5.91e-03	-53.33	0.0	177.69	30.80	-0.55	-1.72	32.10	-	

1240.08												
546.63		-1240.08	-70.41	2.94e-04	0.0	102.5	183.83	4.14	-0.55	-1.72	-19.15	
						205.0	189.96	-22.53	-0.55	-1.72	-70.41	-
400.55												
126	72	593.49	50.73	-6.11e-03	-53.33	0.0	217.31	29.49	-0.66	-1.28	50.73	-
1061.66		-1061.66	-53.44	2.04e-04	0.0	102.5	223.45	2.82	-0.66	-1.28	-1.36	
580.46												
						205.0	229.58	-23.84	-0.66	-1.28	-53.44	-
511.31												
126	73	636.05	-16.23	-6.01e-03	-53.33	0.0	234.77	29.06	-0.21	-2.48	-16.23	-
1001.55		-1001.55	-92.00	5.84e-04	0.0	102.5	240.91	2.39	-0.21	-2.48	-54.12	
624.97												
						205.0	247.05	-24.27	-0.21	-2.48	-92.00	-
482.40												
126	80	608.47	14.19	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.19	-
1073.49		-1073.49	-71.09	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.45	
592.45												
						205.0	229.01	-23.75	-0.42	-1.87	-71.09	-
475.49												
126	81	608.47	14.19	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.19	-
1073.49		-1073.49	-71.09	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.45	
592.45												
						205.0	229.01	-23.75	-0.42	-1.87	-71.09	-
475.49												
126	82	608.47	14.19	-6.02e-03	-53.33	0.0	216.73	29.58	-0.42	-1.87	14.19	-
1073.49		-1073.49	-71.09	3.80e-04	0.0	102.5	222.87	2.92	-0.42	-1.87	-28.45	
592.45												
						205.0	229.01	-23.75	-0.42	-1.87	-71.09	-
475.49												
127	1	1061.24	96.94	-5.33e-03	-69.33	0.0	178.93	29.54	-0.63	-2.45	96.94	-
228.14		-1279.29	-32.04	2.80e-04	0.0	102.5	170.95	-5.13	-0.63	-2.45	32.45	
1023.30												
						205.0	162.97	-39.79	-0.63	-2.45	-32.04	-
1279.29												
127	2	816.33	74.57	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.57	-
175.50		-984.07	-24.65	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.96	
787.16												
						205.0	125.36	-30.61	-0.48	-1.88	-24.65	-
984.07												
127	11	816.33	74.57	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.57	-
175.50		-984.07	-24.65	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.96	
787.16												
						205.0	125.36	-30.61	-0.48	-1.88	-24.65	-
984.07												
127	25	811.08	67.98	-4.32e-03	-53.33	0.0	89.93	20.19	-0.46	-1.67	67.98	-
27.75		-1300.71	-26.37	4.90e-04	0.0	102.5	83.79	-6.48	-0.46	-1.67	20.81	
730.46												
						205.0	77.65	-33.14	-0.46	-1.67	-26.37	-
1300.71												
127	26	843.86	81.17	-4.05e-03	-53.33	0.0	185.35	25.26	-0.51	-2.09	81.17	-
378.74		-667.43	-22.93	-2.69e-04	0.0	102.5	179.21	-1.41	-0.51	-2.09	29.12	
843.86												
						205.0	173.07	-28.07	-0.51	-2.09	-22.93	-
667.43												
127	28	811.50	69.77	-4.33e-03	-53.33	0.0	94.41	20.18	-0.25	-2.09	69.77	-
28.52		-1300.90	0.07	7.53e-04	0.0	102.5	88.27	-6.48	-0.25	-2.09	34.92	
730.75												
						205.0	82.13	-33.15	-0.25	-2.09	0.07	-
1300.90												
127	39	820.34	109.26	-3.88e-03	-53.33	0.0	143.66	23.05	-0.88	-1.25	109.26	-
200.75		-942.45	-73.41	7.26e-04	0.0	102.5	137.52	-3.62	-0.88	-1.25	17.92	
795.34												
						205.0	131.38	-30.28	-0.88	-1.25	-73.41	-

942.45												
127	46	821.51	115.22	-3.92e-03	-53.33	0.0	158.59	23.03	-0.19	-2.63	115.22	-
198.18		-943.07	14.72	1.60e-03	0.0	102.5	152.45	-3.63	-0.19	-2.63	64.97	
796.32						205.0	146.31	-30.30	-0.19	-2.63	14.72	-
943.07												
127	57	807.65	71.16	-4.22e-03	-53.33	0.0	109.71	21.24	-0.48	-1.75	71.16	-
56.55		-1169.37	-26.49	4.08e-04	0.0	102.5	103.58	-5.43	-0.48	-1.75	22.34	
753.98						205.0	97.44	-32.09	-0.48	-1.75	-26.49	-
1169.37												
127	58	830.49	77.98	-4.04e-03	-53.33	0.0	165.56	24.21	-0.49	-2.02	77.98	-
294.44		-798.77	-22.80	-2.26e-04	0.0	102.5	159.42	-2.46	-0.49	-2.02	27.59	
820.33						205.0	153.29	-29.13	-0.49	-2.02	-22.80	-
798.77												
127	71	818.41	96.16	-3.96e-03	-53.33	0.0	140.59	22.88	-0.74	-1.47	96.16	-
187.86		-963.44	-55.65	5.93e-04	0.0	102.5	134.45	-3.78	-0.74	-1.47	20.25	
791.29						205.0	128.31	-30.45	-0.74	-1.47	-55.65	-
963.44												
127	78	819.29	99.64	-3.99e-03	-53.33	0.0	150.04	22.88	-0.31	-2.38	99.64	-
186.34		-963.36	-0.31	1.15e-03	0.0	102.5	143.90	-3.79	-0.31	-2.38	49.67	
792.09						205.0	137.77	-30.46	-0.31	-2.38	-0.31	-
963.36												
127	80	816.33	74.57	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.57	-
175.50		-984.07	-24.65	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.96	
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.65	-
984.07												
127	81	816.33	74.57	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.57	-
175.50		-984.07	-24.65	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.96	
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.65	-
984.07												
127	82	816.33	74.57	-4.10e-03	-53.33	0.0	137.64	22.72	-0.48	-1.88	74.57	-
175.50		-984.07	-24.65	2.16e-04	0.0	102.5	131.50	-3.94	-0.48	-1.88	24.96	
787.16						205.0	125.36	-30.61	-0.48	-1.88	-24.65	-
984.07												
128	1	791.01	92.42	-7.83e-03	-69.33	0.0	281.75	38.46	0.54	2.44	-18.45	-
1395.54		-1395.54	-18.45	-4.94e-04	0.0	102.5	289.73	3.79	0.54	2.44	36.99	
770.19						205.0	297.71	-30.87	0.54	2.44	92.42	-
618.13												
128	2	608.47	71.09	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.19	-
1073.49		-1073.49	-14.19	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.45	
592.45						205.0	229.01	-23.75	0.42	1.87	71.09	-
475.49												
128	11	608.47	71.09	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.19	-
1073.49		-1073.49	-14.19	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.45	
592.45						205.0	229.01	-23.75	0.42	1.87	71.09	-
475.49												
128	26	563.82	69.46	-5.78e-03	-53.33	0.0	145.37	31.92	0.36	1.94	11.83	-
1390.64		-1390.64	11.83	-7.97e-04	0.0	102.5	151.51	5.25	0.36	1.94	40.64	
514.66						205.0	157.64	-21.42	0.36	1.94	69.46	-
313.92												
128	28	677.09	91.44	-6.28e-03	-53.33	0.0	288.36	27.26	0.44	2.19	-15.94	-
757.38		-757.38	-15.94	-4.35e-04	0.0	102.5	294.50	0.59	0.44	2.19	37.75	

677.09													
						205.0	300.64	-26.07	0.44	2.19	91.44	-	
622.31													
128	31	554.99	50.75	-5.76e-03	-53.33	0.0	145.09	31.91	0.39	1.55	-12.45	-	
1389.61													
		-1389.61	-12.45	-3.27e-04	0.0	102.5	151.23	5.24	0.39	1.55	19.15	-	
507.81													
						205.0	157.37	-21.43	0.39	1.55	50.75	-	
328.66													
128	44	655.61	106.56	-6.03e-03	-53.33	0.0	250.38	28.58	0.09	2.80	32.89	-	
936.04													
		-936.04	32.89	-7.14e-04	0.0	102.5	256.52	1.91	0.09	2.80	69.73	-	
649.63													
						205.0	262.66	-24.75	0.09	2.80	106.56	-	
498.59													
128	45	588.73	42.02	-6.18e-03	-53.33	0.0	223.66	29.25	0.82	0.98	-71.74	-	
1029.71													
		-1029.71	-71.74	-1.29e-04	0.0	102.5	229.79	2.59	0.82	0.98	-14.86	-	
579.77													
						205.0	235.93	-24.08	0.82	0.98	42.02	-	
544.62													
128	58	580.46	70.61	-5.89e-03	-53.33	0.0	174.96	30.95	0.39	1.92	1.23	-	
1259.14													
		-1259.14	1.23	-6.60e-04	0.0	102.5	181.10	4.28	0.39	1.92	35.92	-	
546.93													
						205.0	187.23	-22.38	0.39	1.92	70.61	-	
380.88													
128	60	642.28	83.04	-6.17e-03	-53.33	0.0	258.69	28.22	0.43	2.08	-14.29	-	
888.74													
		-888.74	-14.29	-4.10e-04	0.0	102.5	264.83	1.56	0.43	2.08	34.37	-	
642.28													
						205.0	270.97	-25.11	0.43	2.08	83.04	-	
560.59													
128	63	575.51	59.15	-5.87e-03	-53.33	0.0	174.77	30.94	0.41	1.66	-14.09	-	
1258.25													
		-1258.25	-14.09	-3.50e-04	0.0	102.5	180.90	4.27	0.41	1.66	22.53	-	
542.63													
						205.0	187.04	-22.39	0.41	1.66	59.15	-	
390.38													
128	76	637.72	92.22	-6.02e-03	-53.33	0.0	237.26	28.98	0.21	2.48	16.25	-	
990.72													
		-990.72	16.25	-5.80e-04	0.0	102.5	243.40	2.31	0.21	2.48	54.23	-	
627.65													
						205.0	249.54	-24.35	0.21	2.48	92.22	-	
487.86													
128	77	595.16	53.66	-6.12e-03	-53.33	0.0	219.80	29.41	0.66	1.28	-50.71	-	
1050.82													
		-1050.82	-50.71	-1.98e-04	0.0	102.5	225.94	2.74	0.66	1.28	1.47	-	
583.14													
						205.0	232.08	-23.92	0.66	1.28	53.66	-	
516.78													
128	80	608.47	71.09	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.19	-	
1073.49													
		-1073.49	-14.19	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.45	-	
592.45													
						205.0	229.01	-23.75	0.42	1.87	71.09	-	
475.49													
128	81	608.47	71.09	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.19	-	
1073.49													
		-1073.49	-14.19	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.45	-	
592.45													
						205.0	229.01	-23.75	0.42	1.87	71.09	-	
475.49													
128	82	608.47	71.09	-6.02e-03	-53.33	0.0	216.73	29.58	0.42	1.87	-14.19	-	
1073.49													
		-1073.49	-14.19	-3.80e-04	0.0	102.5	222.87	2.92	0.42	1.87	28.45	-	
592.45													
						205.0	229.01	-23.75	0.42	1.87	71.09	-	
475.49													
129	1	813.46	30.15	-1.45e-03	-69.33	0.0	26.20	29.60	0.62	2.44	-97.31	-	
481.49													
		-1519.51	-97.31	-2.82e-04	0.0	102.5	18.22	-5.06	0.62	2.44	-33.58	-	
776.35													
						205.0	10.24	-39.73	0.62	2.44	30.15	-	
1519.51													
129	2	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.86	-	

370.38												
597.19		-1168.86	-74.86	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.83	
1168.86						205.0	7.87	-30.56	0.48	1.88	23.20	-
129	11	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.86	-
370.38		-1168.86	-74.86	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.83	
597.19						205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.86												
129	16	608.38	16.48	-9.34e-04	-53.33	0.0	-37.30	20.26	0.37	1.63	-60.34	-
180.64		-1493.60	-60.34	-7.05e-04	0.0	102.5	-43.43	-6.40	0.37	1.63	-21.93	
529.68						205.0	-49.57	-33.07	0.37	1.63	16.48	-
1493.60												
129	19	664.70	29.91	-1.31e-03	-53.33	0.0	77.60	25.28	0.58	2.13	-89.38	-
560.11		-844.11	-89.38	3.70e-04	0.0	102.5	71.46	-1.39	0.58	2.13	-29.73	
664.70						205.0	65.32	-28.05	0.58	2.13	29.91	-
844.11												
129	21	608.81	-9.41	-9.35e-04	-53.33	0.0	-30.84	20.25	0.16	2.04	-61.26	-
179.54		-1494.29	-61.26	-1.06e-03	0.0	102.5	-36.98	-6.41	0.16	2.04	-35.34	
529.89						205.0	-43.11	-33.08	0.16	2.04	-9.41	-
1494.29												
129	34	631.14	82.60	-1.07e-03	-53.33	0.0	25.34	23.06	0.95	1.11	-113.51	-
391.28		-1129.64	-113.51	-6.83e-04	0.0	102.5	19.20	-3.60	0.95	1.11	-15.46	
606.35						205.0	13.07	-30.27	0.95	1.11	82.60	-
1129.64												
129	43	632.21	-3.69	-1.07e-03	-53.33	0.0	46.87	23.04	0.25	2.50	-116.61	-
387.58		-1131.93	-116.61	-1.86e-03	0.0	102.5	40.74	-3.63	0.25	2.50	-60.15	
607.05						205.0	34.60	-30.29	0.25	2.50	-3.69	-
1131.93												
129	48	609.70	20.47	-1.01e-03	-53.33	0.0	-13.51	21.30	0.43	1.71	-67.19	-
259.33		-1358.92	-67.19	-5.26e-04	0.0	102.5	-19.65	-5.36	0.43	1.71	-23.36	
557.68						205.0	-25.78	-32.03	0.43	1.71	20.47	-
1358.92												
129	51	646.43	25.93	-1.23e-03	-53.33	0.0	53.81	24.24	0.53	2.04	-82.52	-
481.42		-978.79	-82.52	2.77e-04	0.0	102.5	47.67	-2.43	0.53	2.04	-28.30	
636.70						205.0	41.53	-29.09	0.53	2.04	25.93	-
978.79												
129	53	610.03	3.97	-1.01e-03	-53.33	0.0	-9.37	21.30	0.29	1.99	-67.90	-
258.55		-1359.34	-67.90	-7.55e-04	0.0	102.5	-15.51	-5.37	0.29	1.99	-31.96	
557.86						205.0	-21.65	-32.03	0.29	1.99	3.97	-
1359.34												
129	66	628.48	61.23	-1.08e-03	-53.33	0.0	22.39	22.91	0.78	1.37	-99.18	-
380.33		-1149.80	-99.18	-5.71e-04	0.0	102.5	16.25	-3.75	0.78	1.37	-18.97	
601.74						205.0	10.11	-30.42	0.78	1.37	61.23	-
1149.80												
129	75	629.32	6.26	-1.08e-03	-53.33	0.0	36.16	22.89	0.33	2.28	-101.53	-
377.73		-1151.22	-101.53	-1.34e-03	0.0	102.5	30.03	-3.77	0.33	2.28	-47.64	
602.33						205.0	23.89	-30.44	0.33	2.28	6.26	-
1151.22												
129	80	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.86	-
370.38		-1168.86	-74.86	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.83	
597.19						205.0	7.87	-30.56	0.48	1.88	23.20	-

1168.86 129 370.38	81	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.86	-
597.19		-1168.86	-74.86	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.83	
						205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.86 129 370.38	82	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.86	-
597.19		-1168.86	-74.86	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.83	
						205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.86 130 1405.52	1	706.81	27.53	-2.63e-03	-69.33	0.0	82.66	37.81	-0.60	-2.44	27.53	-
694.22		-1405.52	-96.36	4.79e-04	0.0	102.5	90.64	3.15	-0.60	-2.44	-34.41	
						205.0	98.62	-31.51	-0.60	-2.44	-96.36	-
759.75 130 1081.17	2	543.70	21.18	-2.03e-03	-53.33	0.0	63.58	29.09	-0.46	-1.88	21.18	-
534.01		-1081.17	-74.12	3.68e-04	0.0	102.5	69.72	2.42	-0.46	-1.88	-26.47	
						205.0	75.86	-24.24	-0.46	-1.88	-74.12	-
584.42 130 1081.17	11	543.70	21.18	-2.03e-03	-53.33	0.0	63.58	29.09	-0.46	-1.88	21.18	-
534.01		-1081.17	-74.12	3.68e-04	0.0	102.5	69.72	2.42	-0.46	-1.88	-26.47	
						205.0	75.86	-24.24	-0.46	-1.88	-74.12	-
584.42 130 1407.48	19	501.41	-14.42	-1.98e-03	-53.33	0.0	-0.38	31.55	-0.33	-1.98	-14.42	-
460.17		-1407.48	-63.77	1.04e-03	0.0	102.5	5.76	4.88	-0.33	-1.98	-39.09	
						205.0	11.90	-21.78	-0.33	-1.98	-63.77	-
405.81 130 755.48	21	607.97	30.84	-2.12e-03	-53.33	0.0	127.91	26.63	-0.57	-2.19	30.84	-
607.97		-762.19	-85.38	-1.97e-04	0.0	102.5	134.05	-0.03	-0.57	-2.19	-27.27	
						205.0	140.18	-26.70	-0.57	-2.19	-85.38	-
762.19 130 1406.86	22	501.21	11.52	-1.97e-03	-53.33	0.0	-0.74	31.54	-0.36	-1.57	11.52	-
460.05		-1406.86	-62.86	6.72e-04	0.0	102.5	5.40	4.88	-0.36	-1.57	-25.67	
						205.0	11.54	-21.79	-0.36	-1.57	-62.86	-
406.65 130 1043.80	33	550.15	-1.95	-2.16e-03	-53.33	0.0	69.60	28.82	-0.83	-2.38	-1.95	-
543.90		-1043.80	-114.44	1.84e-03	0.0	102.5	75.74	2.15	-0.83	-2.38	-58.20	
						205.0	81.87	-24.51	-0.83	-2.38	-114.44	-
602.02 130 1041.74	40	549.47	84.51	-2.14e-03	-53.33	0.0	68.39	28.79	-0.93	-1.01	84.51	-
543.52		-1041.74	-111.41	5.93e-04	0.0	102.5	74.53	2.13	-0.93	-1.01	-13.45	
						205.0	80.67	-24.54	-0.93	-1.01	-111.41	-
604.83 130 1272.22	51	518.98	0.28	-2.00e-03	-53.33	0.0	26.16	30.53	-0.39	-1.94	0.28	-
490.81		-1272.22	-68.76	7.93e-04	0.0	102.5	32.30	3.86	-0.39	-1.94	-34.24	
						205.0	38.44	-22.80	-0.39	-1.94	-68.76	-
479.77 130 890.62	53	577.31	25.30	-2.07e-03	-53.33	0.0	101.30	27.65	-0.52	-2.08	25.30	-
577.31		-890.62	-80.05	2.08e-04	0.0	102.5	107.44	0.99	-0.52	-2.08	-27.38	
						205.0	113.58	-25.68	-0.52	-2.08	-80.05	-
688.38 130 1271.72	54	518.82	17.06	-1.99e-03	-53.33	0.0	25.87	30.52	-0.41	-1.68	17.06	-
		-1271.72	-68.19	5.52e-04	0.0	102.5	32.01	3.86	-0.41	-1.68	-25.57	

490.72													
						205.0	38.15	-22.81	-0.41	-1.68	-68.19	-	
480.46													
130	65	547.07	6.33	-2.11e-03	-53.33	0.0	66.37	28.96	-0.69	-2.20	6.33	-	
1063.45													
		-1063.45	-99.33	1.35e-03	0.0	102.5	72.51	2.30	-0.69	-2.20	-46.50	-	
538.98													
						205.0	78.64	-24.37	-0.69	-2.20	-99.33	-	
592.21													
130	72	546.51	62.26	-2.10e-03	-53.33	0.0	65.40	28.94	-0.77	-1.30	62.26	-	
1061.78													
		-1061.78	-97.42	5.37e-04	0.0	102.5	71.54	2.28	-0.77	-1.30	-17.58	-	
538.66													
						205.0	77.68	-24.39	-0.77	-1.30	-97.42	-	
594.51													
130	80	543.70	21.18	-2.03e-03	-53.33	0.0	63.58	29.09	-0.46	-1.88	21.18	-	
1081.17													
		-1081.17	-74.12	3.68e-04	0.0	102.5	69.72	2.42	-0.46	-1.88	-26.47	-	
534.01													
						205.0	75.86	-24.24	-0.46	-1.88	-74.12	-	
584.42													
130	81	543.70	21.18	-2.03e-03	-53.33	0.0	63.58	29.09	-0.46	-1.88	21.18	-	
1081.17													
		-1081.17	-74.12	3.68e-04	0.0	102.5	69.72	2.42	-0.46	-1.88	-26.47	-	
534.01													
						205.0	75.86	-24.24	-0.46	-1.88	-74.12	-	
584.42													
130	82	543.70	21.18	-2.03e-03	-53.33	0.0	63.58	29.09	-0.46	-1.88	21.18	-	
1081.17													
		-1081.17	-74.12	3.68e-04	0.0	102.5	69.72	2.42	-0.46	-1.88	-26.47	-	
534.01													
						205.0	75.86	-24.24	-0.46	-1.88	-74.12	-	
584.42													
131	1	813.46	97.31	-1.45e-03	-69.33	0.0	26.20	29.60	-0.62	-2.44	97.31	-	
481.49													
		-1519.51	-30.15	2.82e-04	0.0	102.5	18.22	-5.06	-0.62	-2.44	33.58	-	
776.35													
						205.0	10.24	-39.73	-0.62	-2.44	-30.15	-	
1519.51													
131	2	625.74	74.86	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.86	-	
370.38													
		-1168.86	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.83	-	
597.19													
						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-	
1168.86													
131	11	625.74	74.86	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.86	-	
370.38													
		-1168.86	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.83	-	
597.19													
						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-	
1168.86													
131	17	610.49	106.28	-9.46e-04	-53.33	0.0	-32.29	20.46	-0.79	-1.62	106.28	-	
193.44													
		-1466.66	-57.09	-2.15e-04	0.0	102.5	-38.43	-6.21	-0.79	-1.62	24.60	-	
536.76													
						205.0	-44.57	-32.87	-0.79	-1.62	-57.09	-	
1466.66													
131	18	657.62	43.43	-1.30e-03	-53.33	0.0	72.59	25.09	-0.16	-2.14	43.43	-	
547.32													
		-871.05	10.70	3.68e-04	0.0	102.5	66.45	-1.58	-0.16	-2.14	27.07	-	
657.62													
						205.0	60.31	-28.24	-0.16	-2.14	10.70	-	
871.05													
131	20	610.92	107.21	-9.47e-04	-53.33	0.0	-25.83	20.45	-0.58	-2.04	107.21	-	
192.33													
		-1467.35	-31.20	4.18e-04	0.0	102.5	-31.97	-6.22	-0.58	-2.04	38.00	-	
536.97													
						205.0	-38.11	-32.88	-0.58	-2.04	-31.20	-	
1467.35													
131	39	629.40	113.97	-1.06e-03	-53.33	0.0	22.44	22.93	-0.95	-1.11	113.97	-	
381.34													
		-1146.39	-82.98	6.93e-04	0.0	102.5	16.30	-3.73	-0.95	-1.11	15.50	-	
602.94													
						205.0	10.16	-30.40	-0.95	-1.11	-82.98	-	
1146.39													
131	46	630.47	117.07	-1.06e-03	-53.33	0.0	43.97	22.91	-0.25	-2.50	117.07	-	

377.66												
603.64		-1148.68	3.31	1.87e-03	0.0	102.5	37.83	-3.76	-0.25	-2.50	60.19	
						205.0	31.69	-30.42	-0.25	-2.50	3.31	-
1148.68												
131	49	610.94	93.47	-1.01e-03	-53.33	0.0	-10.57	21.42	-0.67	-1.71	93.47	-
266.85		-1343.10	-43.81	-1.78e-04	0.0	102.5	-16.70	-5.25	-0.67	-1.71	24.83	
561.83						205.0	-22.84	-31.91	-0.67	-1.71	-43.81	-
1343.10												
131	50	643.74	56.24	-1.22e-03	-53.33	0.0	50.87	24.12	-0.29	-2.05	56.24	-
473.91		-994.61	-2.58	2.80e-04	0.0	102.5	44.73	-2.54	-0.29	-2.05	26.83	
632.55						205.0	38.59	-29.20	-0.29	-2.05	-2.58	-
994.61												
131	52	611.26	94.18	-1.01e-03	-53.33	0.0	-6.43	21.41	-0.53	-1.98	94.18	-
266.07		-1343.52	-27.32	3.83e-04	0.0	102.5	-12.57	-5.25	-0.53	-1.98	33.43	
562.01						205.0	-18.71	-31.92	-0.53	-1.98	-27.32	-
1343.52												
131	71	627.29	99.35	-1.07e-03	-53.33	0.0	20.43	22.82	-0.78	-1.37	99.35	-
373.64		-1161.10	-61.34	5.78e-04	0.0	102.5	14.29	-3.84	-0.78	-1.37	19.00	
599.43						205.0	8.15	-30.50	-0.78	-1.37	-61.34	-
1161.10												
131	78	628.13	101.70	-1.07e-03	-53.33	0.0	34.20	22.80	-0.33	-2.28	101.70	-
371.05		-1162.53	-6.37	1.34e-03	0.0	102.5	28.06	-3.86	-0.33	-2.28	47.67	
600.02						205.0	21.92	-30.52	-0.33	-2.28	-6.37	-
1162.53												
131	80	625.74	74.86	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.86	-
370.38		-1168.86	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.83	
597.19						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.86												
131	81	625.74	74.86	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.86	-
370.38		-1168.86	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.83	
597.19						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.86												
131	82	625.74	74.86	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.86	-
370.38		-1168.86	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.83	
597.19						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.86												
132	1	706.81	96.36	-2.63e-03	-69.33	0.0	82.66	37.81	0.60	2.44	-27.53	-
1405.52		-1405.52	-27.53	-4.79e-04	0.0	102.5	90.64	3.15	0.60	2.44	34.41	
694.22						205.0	98.62	-31.51	0.60	2.44	96.36	-
759.75												
132	2	543.70	74.12	-2.03e-03	-53.33	0.0	63.58	29.09	0.46	1.88	-21.18	-
1081.17		-1081.17	-21.18	-3.68e-04	0.0	102.5	69.72	2.42	0.46	1.88	26.47	
534.01						205.0	75.86	-24.24	0.46	1.88	74.12	-
584.42												
132	11	543.70	74.12	-2.03e-03	-53.33	0.0	63.58	29.09	0.46	1.88	-21.18	-
1081.17		-1081.17	-21.18	-3.68e-04	0.0	102.5	69.72	2.42	0.46	1.88	26.47	
534.01						205.0	75.86	-24.24	0.46	1.88	74.12	-
584.42												
132	18	505.51	103.02	-1.99e-03	-53.33	0.0	3.52	31.35	0.75	2.07	-33.98	-
1380.41		-1380.41	-33.98	-5.92e-04	0.0	102.5	9.66	4.69	0.75	2.07	34.52	
466.81						205.0	15.80	-21.98	0.75	2.07	103.02	-

419.57													
132	20	601.32	46.13	-2.10e-03	-53.33	0.0	124.01	26.83	0.15	2.09	17.56	-	
782.54		-782.54	17.56	-4.96e-04	0.0	102.5	130.15	0.17	0.15	2.09	31.85		
601.32						205.0	136.28	-26.50	0.15	2.09	46.13	-	
748.43													
132	23	505.31	102.11	-1.99e-03	-53.33	0.0	3.16	31.34	0.78	1.66	-59.91	-	
1379.80		-1379.80	-59.91	-2.40e-04	0.0	102.5	9.30	4.68	0.78	1.66	21.10		
466.70						205.0	15.44	-21.99	0.78	1.66	102.11	-	
420.42													
132	36	547.99	114.88	-2.15e-03	-53.33	0.0	66.23	28.94	0.83	2.38	1.55	-	
1060.59		-1060.59	1.55	-1.85e-03	0.0	102.5	72.36	2.28	0.83	2.38	58.22		
540.11						205.0	78.50	-24.38	0.83	2.38	114.88	-	
592.80													
132	45	547.31	111.85	-2.13e-03	-53.33	0.0	65.02	28.92	0.94	1.01	-84.91	-	
1058.53		-1058.53	-84.91	-6.01e-04	0.0	102.5	71.16	2.26	0.94	1.01	13.47		
539.73						205.0	77.29	-24.41	0.94	1.01	111.85	-	
595.61													
132	50	521.39	91.32	-2.01e-03	-53.33	0.0	28.45	30.41	0.63	2.00	-27.97	-	
1256.33		-1256.33	-27.97	-5.37e-04	0.0	102.5	34.59	3.75	0.63	2.00	31.68		
494.71						205.0	40.73	-22.92	0.63	2.00	91.32	-	
487.86													
132	52	573.41	57.49	-2.06e-03	-53.33	0.0	99.00	27.77	0.27	2.02	2.39	-	
906.51		-906.51	2.39	-4.32e-04	0.0	102.5	105.14	1.10	0.27	2.02	29.94		
573.41						205.0	111.28	-25.56	0.27	2.02	57.49	-	
680.30													
132	55	521.22	90.75	-2.00e-03	-53.33	0.0	28.16	30.41	0.66	1.73	-44.75	-	
1255.83		-1255.83	-44.75	-3.05e-04	0.0	102.5	34.30	3.74	0.66	1.73	23.00		
494.62						205.0	40.44	-22.92	0.66	1.73	90.75	-	
488.55													
132	68	545.61	99.48	-2.11e-03	-53.33	0.0	64.10	29.05	0.69	2.20	-6.45	-	
1074.79		-1074.79	-6.45	-1.36e-03	0.0	102.5	70.24	2.38	0.69	2.20	46.52		
536.41						205.0	76.38	-24.28	0.69	2.20	99.48	-	
586.00													
132	77	545.04	97.58	-2.10e-03	-53.33	0.0	63.14	29.03	0.77	1.30	-62.38	-	
1073.12		-1073.12	-62.38	-5.42e-04	0.0	102.5	69.28	2.36	0.77	1.30	17.60		
536.10						205.0	75.42	-24.30	0.77	1.30	97.58	-	
588.30													
132	80	543.70	74.12	-2.03e-03	-53.33	0.0	63.58	29.09	0.46	1.88	-21.18	-	
1081.17		-1081.17	-21.18	-3.68e-04	0.0	102.5	69.72	2.42	0.46	1.88	26.47		
534.01						205.0	75.86	-24.24	0.46	1.88	74.12	-	
584.42													
132	81	543.70	74.12	-2.03e-03	-53.33	0.0	63.58	29.09	0.46	1.88	-21.18	-	
1081.17		-1081.17	-21.18	-3.68e-04	0.0	102.5	69.72	2.42	0.46	1.88	26.47		
534.01						205.0	75.86	-24.24	0.46	1.88	74.12	-	
584.42													
132	82	543.70	74.12	-2.03e-03	-53.33	0.0	63.58	29.09	0.46	1.88	-21.18	-	
1081.17		-1081.17	-21.18	-3.68e-04	0.0	102.5	69.72	2.42	0.46	1.88	26.47		
534.01						205.0	75.86	-24.24	0.46	1.88	74.12	-	
584.42													
133	1	813.46	30.17	-1.45e-03	-69.33	0.0	26.19	29.60	0.62	2.45	-97.36	-	
481.47		-1519.53	-97.36	-2.82e-04	0.0	102.5	18.21	-5.06	0.62	2.45	-33.60		

776.35							205.0	10.23	-39.73	0.62	2.45	30.17	-
1519.53							0.0	20.15	22.77	0.48	1.88	-74.89	-
133	2	625.74	23.20	-1.11e-03	-53.33								
370.36							102.5	14.01	-3.89	0.48	1.88	-25.85	-
597.19		-1168.87	-74.89	-2.17e-04	0.0								
							205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.87							0.0	20.15	22.77	0.48	1.88	-74.89	-
133	11	625.74	23.20	-1.11e-03	-53.33								
370.36							102.5	14.01	-3.89	0.48	1.88	-25.85	-
597.19		-1168.87	-74.89	-2.17e-04	0.0								
							205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.87							0.0	-32.22	20.45	0.80	1.62	-106.94	-
133	24	610.58	57.64	-9.46e-04	-53.33								
193.21							102.5	-38.36	-6.21	0.80	1.62	-24.65	-
536.80		-1466.80	-106.94	2.17e-04	0.0								
							205.0	-44.50	-32.88	0.80	1.62	57.64	-
1466.80							0.0	72.52	25.09	0.16	2.14	-42.85	-
133	27	657.58	-11.23	-1.30e-03	-53.33								
547.52							102.5	66.38	-1.58	0.16	2.14	-27.04	-
657.58		-870.95	-42.85	-3.72e-04	0.0								
							205.0	60.24	-28.24	0.16	2.14	-11.23	-
870.95							0.0	-25.75	20.44	0.59	2.04	-107.94	-
133	29	611.01	31.71	-9.47e-04	-53.33								
192.10							102.5	-31.89	-6.22	0.59	2.04	-38.12	-
537.02		-1467.48	-107.94	-4.13e-04	0.0								
							205.0	-38.03	-32.88	0.59	2.04	31.71	-
1467.48							0.0	22.44	22.94	0.95	1.11	-113.71	-
133	34	629.38	82.72	-1.06e-03	-53.33								
381.48							102.5	16.30	-3.73	0.95	1.11	-15.49	-
602.93		-1146.27	-113.71	-6.96e-04	0.0								
							205.0	10.16	-30.39	0.95	1.11	82.72	-
1146.27							0.0	43.99	22.91	0.25	2.50	-117.04	-
133	43	630.46	-3.71	-1.06e-03	-53.33								
377.78							102.5	37.85	-3.76	0.25	2.50	-60.38	-
603.64		-1148.55	-117.04	-1.87e-03	0.0								
							205.0	31.71	-30.42	0.25	2.50	-3.71	-
1148.55							0.0	-10.53	21.41	0.67	1.71	-93.88	-
133	56	610.99	44.14	-1.01e-03	-53.33								
266.71							102.5	-16.67	-5.25	0.67	1.71	-24.87	-
561.86		-1343.19	-93.88	1.79e-04	0.0								
							205.0	-22.81	-31.91	0.67	1.71	44.14	-
1343.19							0.0	50.82	24.13	0.29	2.05	-55.90	-
133	59	643.70	2.27	-1.22e-03	-53.33								
474.01							102.5	44.69	-2.54	0.29	2.05	-26.82	-
632.52		-994.56	-55.90	-2.82e-04	0.0								
							205.0	38.55	-29.20	0.29	2.05	2.27	-
994.56							0.0	-6.39	21.41	0.54	1.99	-94.62	-
133	61	611.32	27.63	-1.01e-03	-53.33								
265.93							102.5	-12.53	-5.26	0.54	1.99	-33.50	-
562.04		-1343.61	-94.62	-3.80e-04	0.0								
							205.0	-18.67	-31.92	0.54	1.99	27.63	-
1343.61							0.0	20.42	22.83	0.78	1.37	-99.23	-
133	66	627.28	61.21	-1.07e-03	-53.33								
373.71							102.5	14.28	-3.84	0.78	1.37	-19.01	-
599.43		-1161.05	-99.23	-5.79e-04	0.0								
							205.0	8.14	-30.50	0.78	1.37	61.21	-
1161.05							0.0	34.21	22.81	0.33	2.28	-101.69	-
133	75	628.12	6.17	-1.07e-03	-53.33								
371.11							102.5	28.07	-3.86	0.33	2.28	-47.76	-
600.02		-1162.46	-101.69	-1.34e-03	0.0								
							205.0	21.93	-30.52	0.33	2.28	6.17	-
1162.46							0.0	20.15	22.77	0.48	1.88	-74.89	-
133	80	625.74	23.20	-1.11e-03	-53.33								

370.36												
597.19		-1168.87	-74.89	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.85	
1168.87						205.0	7.87	-30.56	0.48	1.88	23.20	-
133	81	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.89	-
370.36		-1168.87	-74.89	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.85	
597.19						205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.87												
133	82	625.74	23.20	-1.11e-03	-53.33	0.0	20.15	22.77	0.48	1.88	-74.89	-
370.36		-1168.87	-74.89	-2.17e-04	0.0	102.5	14.01	-3.89	0.48	1.88	-25.85	
597.19						205.0	7.87	-30.56	0.48	1.88	23.20	-
1168.87												
134	1	706.82	27.54	-2.63e-03	-69.33	0.0	82.66	37.81	-0.60	-2.44	27.54	-
1405.54		-1405.54	-96.41	4.79e-04	0.0	102.5	90.64	3.15	-0.60	-2.44	-34.43	
694.22						205.0	98.62	-31.51	-0.60	-2.44	-96.41	-
759.73												
134	2	543.70	21.19	-2.03e-03	-53.33	0.0	63.58	29.09	-0.47	-1.88	21.19	-
1081.18		-1081.18	-74.16	3.68e-04	0.0	102.5	69.72	2.42	-0.47	-1.88	-26.49	
534.01						205.0	75.86	-24.24	-0.47	-1.88	-74.16	-
584.41												
134	11	543.70	21.19	-2.03e-03	-53.33	0.0	63.58	29.09	-0.47	-1.88	21.19	-
1081.18		-1081.18	-74.16	3.68e-04	0.0	102.5	69.72	2.42	-0.47	-1.88	-26.49	
534.01						205.0	75.86	-24.24	-0.47	-1.88	-74.16	-
584.41												
134	27	505.38	34.68	-1.99e-03	-53.33	0.0	3.41	31.35	-0.76	-2.07	34.68	-
1380.60		-1380.60	-103.60	5.90e-04	0.0	102.5	9.55	4.69	-0.76	-2.07	-34.46	
466.68						205.0	15.69	-21.98	-0.76	-2.07	-103.60	-
419.66												
134	29	601.46	-18.22	-2.10e-03	-53.33	0.0	124.12	26.83	-0.14	-2.09	-18.22	-
782.39		-782.39	-45.54	4.98e-04	0.0	102.5	130.25	0.17	-0.14	-2.09	-31.88	
601.46						205.0	136.39	-26.50	-0.14	-2.09	-45.54	-
748.31												
134	30	505.17	60.60	-1.99e-03	-53.33	0.0	3.05	31.34	-0.79	-1.67	60.60	-
1379.98		-1379.98	-102.78	2.39e-04	0.0	102.5	9.19	4.68	-0.79	-1.67	-21.09	
466.56						205.0	15.32	-21.99	-0.79	-1.67	-102.78	-
420.51												
134	33	548.01	-1.55	-2.15e-03	-53.33	0.0	66.28	28.94	-0.83	-2.38	-1.55	-
1060.46		-1060.46	-114.62	1.85e-03	0.0	102.5	72.42	2.28	-0.83	-2.38	-58.09	
540.14						205.0	78.56	-24.39	-0.83	-2.38	-114.62	-
592.87												
134	40	547.32	84.83	-2.13e-03	-53.33	0.0	65.07	28.92	-0.94	-1.01	84.83	-
1058.39		-1058.39	-111.91	6.03e-04	0.0	102.5	71.21	2.25	-0.94	-1.01	-13.54	
539.76						205.0	77.35	-24.41	-0.94	-1.01	-111.91	-
595.70												
134	59	521.31	28.39	-2.01e-03	-53.33	0.0	28.39	30.41	-0.64	-2.00	28.39	-
1256.44		-1256.44	-91.69	5.36e-04	0.0	102.5	34.53	3.75	-0.64	-2.00	-31.65	
494.64						205.0	40.66	-22.92	-0.64	-2.00	-91.69	-
487.90												
134	61	573.48	-2.78	-2.06e-03	-53.33	0.0	99.07	27.77	-0.27	-2.02	-2.78	-
906.42		-906.42	-57.16	4.33e-04	0.0	102.5	105.20	1.10	-0.27	-2.02	-29.97	
573.48						205.0	111.34	-25.56	-0.27	-2.02	-57.16	-

680.22													
134	62	521.14	45.15	-2.00e-03	-53.33	0.0	28.10	30.41	-0.66	-1.73	45.15	-	
1255.94		-1255.94	-91.16	3.04e-04	0.0	102.5	34.24	3.74	-0.66	-1.73	-23.00		
494.54						205.0	40.37	-22.92	-0.66	-1.73	-91.16	-	
488.59													
134	65	545.62	6.44	-2.11e-03	-53.33	0.0	64.13	29.05	-0.69	-2.20	6.44	-	
1074.72		-1074.72	-99.36	1.36e-03	0.0	102.5	70.27	2.38	-0.69	-2.20	-46.46		
536.43						205.0	76.41	-24.28	-0.69	-2.20	-99.36	-	
586.03													
134	72	545.05	62.33	-2.10e-03	-53.33	0.0	63.17	29.03	-0.77	-1.30	62.33	-	
1073.05		-1073.05	-97.60	5.44e-04	0.0	102.5	69.31	2.36	-0.77	-1.30	-17.64		
536.12						205.0	75.45	-24.30	-0.77	-1.30	-97.60	-	
588.34													
134	80	543.70	21.19	-2.03e-03	-53.33	0.0	63.58	29.09	-0.47	-1.88	21.19	-	
1081.18		-1081.18	-74.16	3.68e-04	0.0	102.5	69.72	2.42	-0.47	-1.88	-26.49		
534.01						205.0	75.86	-24.24	-0.47	-1.88	-74.16	-	
584.41													
134	81	543.70	21.19	-2.03e-03	-53.33	0.0	63.58	29.09	-0.47	-1.88	21.19	-	
1081.18		-1081.18	-74.16	3.68e-04	0.0	102.5	69.72	2.42	-0.47	-1.88	-26.49		
534.01						205.0	75.86	-24.24	-0.47	-1.88	-74.16	-	
584.41													
134	82	543.70	21.19	-2.03e-03	-53.33	0.0	63.58	29.09	-0.47	-1.88	21.19	-	
1081.18		-1081.18	-74.16	3.68e-04	0.0	102.5	69.72	2.42	-0.47	-1.88	-26.49		
534.01						205.0	75.86	-24.24	-0.47	-1.88	-74.16	-	
584.41													
135	1	813.46	97.36	-1.45e-03	-69.33	0.0	26.19	29.60	-0.62	-2.45	97.36	-	
481.47		-1519.53	-30.17	2.82e-04	0.0	102.5	18.21	-5.06	-0.62	-2.45	33.60		
776.35						205.0	10.23	-39.73	-0.62	-2.45	-30.17	-	
1519.53													
135	2	625.74	74.89	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.89	-	
370.36		-1168.87	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.85		
597.19						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-	
1168.87													
135	11	625.74	74.89	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.89	-	
370.36		-1168.87	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.85		
597.19						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-	
1168.87													
135	25	608.44	59.64	-9.34e-04	-53.33	0.0	-37.37	20.26	-0.37	-1.63	59.64	-	
180.40		-1493.85	-15.86	7.10e-04	0.0	102.5	-43.51	-6.41	-0.37	-1.63	21.89		
529.68						205.0	-49.64	-33.07	-0.37	-1.63	-15.86	-	
1493.85													
135	26	664.70	90.14	-1.31e-03	-53.33	0.0	77.66	25.28	-0.59	-2.13	90.14	-	
560.33		-843.89	-30.54	-3.73e-04	0.0	102.5	71.52	-1.38	-0.59	-2.13	29.80		
664.70						205.0	65.39	-28.05	-0.59	-2.13	-30.54	-	
843.89													
135	28	608.87	60.64	-9.35e-04	-53.33	0.0	-30.90	20.25	-0.16	-2.04	60.64	-	
179.29		-1494.54	10.07	1.06e-03	0.0	102.5	-37.04	-6.41	-0.16	-2.04	35.36		
529.89						205.0	-43.18	-33.08	-0.16	-2.04	10.07	-	
1494.54													
135	39	631.12	113.63	-1.07e-03	-53.33	0.0	25.34	23.06	-0.95	-1.12	113.63	-	
391.33		-1129.61	-82.73	6.82e-04	0.0	102.5	19.20	-3.60	-0.95	-1.12	15.45		

606.34						205.0	13.07	-30.26	-0.95	-1.12	-82.73	-
1129.61												
135	46	632.21	116.96	-1.07e-03	-53.33	0.0	46.89	23.04	-0.25	-2.50	116.96	-
387.64												
		-1131.88	3.70	1.85e-03	0.0	102.5	40.75	-3.63	-0.25	-2.50	60.33	-
607.05												
						205.0	34.61	-30.29	-0.25	-2.50	3.70	-
1131.88												
135	57	609.74	66.80	-1.01e-03	-53.33	0.0	-13.55	21.30	-0.42	-1.72	66.80	-
259.19												
		-1359.07	-20.11	5.29e-04	0.0	102.5	-19.69	-5.36	-0.42	-1.72	23.35	-
557.68												
						205.0	-25.83	-32.03	-0.42	-1.72	-20.11	-
1359.07												
135	58	646.42	82.99	-1.23e-03	-53.33	0.0	53.84	24.24	-0.53	-2.05	82.99	-
481.54												
		-978.67	-26.30	-2.79e-04	0.0	102.5	47.71	-2.42	-0.53	-2.05	28.34	-
636.70												
						205.0	41.57	-29.09	-0.53	-2.05	-26.30	-
978.67												
135	60	610.07	67.54	-1.01e-03	-53.33	0.0	-9.41	21.29	-0.29	-1.99	67.54	-
258.41												
		-1359.49	-3.60	7.58e-04	0.0	102.5	-15.55	-5.37	-0.29	-1.99	31.97	-
557.86												
						205.0	-21.69	-32.03	-0.29	-1.99	-3.60	-
1359.49												
135	71	628.47	99.28	-1.08e-03	-53.33	0.0	22.39	22.91	-0.78	-1.37	99.28	-
380.35												
		-1149.79	-61.32	5.71e-04	0.0	102.5	16.25	-3.75	-0.78	-1.37	18.98	-
601.74												
						205.0	10.11	-30.42	-0.78	-1.37	-61.32	-
1149.79												
135	78	629.32	101.74	-1.08e-03	-53.33	0.0	36.17	22.89	-0.33	-2.28	101.74	-
377.76												
		-1151.20	-6.28	1.34e-03	0.0	102.5	30.03	-3.77	-0.33	-2.28	47.73	-
602.33												
						205.0	23.89	-30.44	-0.33	-2.28	-6.28	-
1151.20												
135	80	625.74	74.89	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.89	-
370.36												
		-1168.87	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.85	-
597.19												
						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.87												
135	81	625.74	74.89	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.89	-
370.36												
		-1168.87	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.85	-
597.19												
						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.87												
135	82	625.74	74.89	-1.11e-03	-53.33	0.0	20.15	22.77	-0.48	-1.88	74.89	-
370.36												
		-1168.87	-23.20	2.17e-04	0.0	102.5	14.01	-3.89	-0.48	-1.88	25.85	-
597.19												
						205.0	7.87	-30.56	-0.48	-1.88	-23.20	-
1168.87												
136	1	706.82	96.41	-2.63e-03	-69.33	0.0	82.66	37.81	0.60	2.44	-27.54	-
1405.54												
		-1405.54	-27.54	-4.79e-04	0.0	102.5	90.64	3.15	0.60	2.44	34.43	-
694.22												
						205.0	98.62	-31.51	0.60	2.44	96.41	-
759.73												
136	2	543.70	74.16	-2.03e-03	-53.33	0.0	63.58	29.09	0.47	1.88	-21.19	-
1081.18												
		-1081.18	-21.19	-3.68e-04	0.0	102.5	69.72	2.42	0.47	1.88	26.49	-
534.01												
						205.0	75.86	-24.24	0.47	1.88	74.16	-
584.41												
136	11	543.70	74.16	-2.03e-03	-53.33	0.0	63.58	29.09	0.47	1.88	-21.19	-
1081.18												
		-1081.18	-21.19	-3.68e-04	0.0	102.5	69.72	2.42	0.47	1.88	26.49	-
534.01												
						205.0	75.86	-24.24	0.47	1.88	74.16	-
584.41												
136	26	501.42	63.18	-1.98e-03	-53.33	0.0	-0.45	31.55	0.32	1.98	15.06	-

1407.74												
460.15		-1407.74	15.06	-1.05e-03	0.0	102.5	5.69	4.89	0.32	1.98	39.12	
405.58						205.0	11.83	-21.78	0.32	1.98	63.18	-
136	28	607.99	85.95	-2.12e-03	-53.33	0.0	127.97	26.63	0.58	2.19	-31.52	-
755.25												
607.99		-762.38	-31.52	2.01e-04	0.0	102.5	134.11	-0.03	0.58	2.19	27.21	
762.38						205.0	140.25	-26.70	0.58	2.19	85.95	-
136	31	501.22	62.37	-1.97e-03	-53.33	0.0	-0.81	31.54	0.35	1.57	-10.85	-
1407.12												
460.03		-1407.12	-10.85	-6.75e-04	0.0	102.5	5.33	4.88	0.35	1.57	25.76	
406.43						205.0	11.47	-21.78	0.35	1.57	62.37	-
136	36	550.15	114.56	-2.16e-03	-53.33	0.0	69.62	28.82	0.83	2.38	1.56	-
1043.77												
543.90		-1043.77	1.56	-1.84e-03	0.0	102.5	75.75	2.15	0.83	2.38	58.06	
602.04						205.0	81.89	-24.51	0.83	2.38	114.56	-
136	45	549.47	111.85	-2.14e-03	-53.33	0.0	68.40	28.79	0.94	1.02	-84.82	-
1041.69												
543.52		-1041.69	-84.82	-5.93e-04	0.0	102.5	74.54	2.13	0.94	1.02	13.51	
604.88						205.0	80.68	-24.54	0.94	1.02	111.85	-
136	58	518.99	68.44	-2.00e-03	-53.33	0.0	26.12	30.53	0.39	1.94	0.10	-
1272.38												
490.80		-1272.38	0.10	-7.94e-04	0.0	102.5	32.26	3.87	0.39	1.94	34.27	
479.64						205.0	38.40	-22.80	0.39	1.94	68.44	-
136	60	577.32	80.41	-2.07e-03	-53.33	0.0	101.33	27.65	0.52	2.08	-25.71	-
890.49												
577.32		-890.49	-25.71	-2.06e-04	0.0	102.5	107.47	0.99	0.52	2.08	27.35	
688.48						205.0	113.61	-25.68	0.52	2.08	80.41	-
136	63	518.82	67.91	-1.99e-03	-53.33	0.0	25.83	30.52	0.41	1.68	-16.66	-
1271.87												
490.71		-1271.87	-16.66	-5.54e-04	0.0	102.5	31.97	3.86	0.41	1.68	25.62	
480.33						205.0	38.11	-22.80	0.41	1.68	67.91	-
136	68	547.07	99.42	-2.12e-03	-53.33	0.0	66.38	28.96	0.69	2.20	-6.54	-
1063.43												
538.98		-1063.43	-6.54	-1.35e-03	0.0	102.5	72.52	2.30	0.69	2.20	46.44	
592.22						205.0	78.65	-24.37	0.69	2.20	99.42	-
136	77	546.51	97.66	-2.10e-03	-53.33	0.0	65.41	28.94	0.77	1.31	-62.43	-
1061.76												
538.66		-1061.76	-62.43	-5.37e-04	0.0	102.5	71.55	2.28	0.77	1.31	17.61	
594.53						205.0	77.69	-24.39	0.77	1.31	97.66	-
136	80	543.70	74.16	-2.03e-03	-53.33	0.0	63.58	29.09	0.47	1.88	-21.19	-
1081.18												
534.01		-1081.18	-21.19	-3.68e-04	0.0	102.5	69.72	2.42	0.47	1.88	26.49	
584.41						205.0	75.86	-24.24	0.47	1.88	74.16	-
136	81	543.70	74.16	-2.03e-03	-53.33	0.0	63.58	29.09	0.47	1.88	-21.19	-
1081.18												
534.01		-1081.18	-21.19	-3.68e-04	0.0	102.5	69.72	2.42	0.47	1.88	26.49	
584.41						205.0	75.86	-24.24	0.47	1.88	74.16	-
136	82	543.70	74.16	-2.03e-03	-53.33	0.0	63.58	29.09	0.47	1.88	-21.19	-
1081.18												
534.01		-1081.18	-21.19	-3.68e-04	0.0	102.5	69.72	2.42	0.47	1.88	26.49	
						205.0	75.86	-24.24	0.47	1.88	74.16	-

584.41													
137	1	706.90	27.53	2.43e-03	-69.33	0.0	98.69	31.52	0.60	2.44	-96.35	-	
759.88		-1405.55	-96.35	-2.82e-04	0.0	102.5	90.71	-3.15	0.60	2.44	-34.41		
694.31						205.0	82.73	-37.81	0.60	2.44	27.53	-	
1405.55													
137	2	543.77	21.18	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.12	-	
584.52		-1081.19	-74.12	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.47		
534.09						205.0	63.64	-29.09	0.46	1.88	21.18	-	
1081.19													
137	11	543.77	21.18	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.12	-	
584.52		-1081.19	-74.12	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.47		
534.09						205.0	63.64	-29.09	0.46	1.88	21.18	-	
1081.19													
137	16	501.28	11.45	1.90e-03	-53.33	0.0	11.59	21.79	0.36	1.57	-62.74	-	
406.76		-1406.87	-62.74	-6.27e-04	0.0	102.5	5.46	-4.88	0.36	1.57	-25.65		
460.13						205.0	-0.68	-31.54	0.36	1.57	11.45	-	
1406.87													
137	19	608.04	30.91	1.84e-03	-53.33	0.0	140.24	26.70	0.57	2.19	-85.50	-	
762.28		-762.28	-85.50	3.15e-04	0.0	102.5	134.10	0.03	0.57	2.19	-27.30		
608.04						205.0	127.96	-26.63	0.57	2.19	30.91	-	
755.51													
137	21	501.48	-14.44	1.91e-03	-53.33	0.0	11.96	21.78	0.32	1.98	-63.64	-	
405.91		-1407.49	-63.64	-1.01e-03	0.0	102.5	5.82	-4.88	0.32	1.98	-39.04		
460.24						205.0	-0.32	-31.55	0.32	1.98	-14.44	-	
1407.49													
137	34	549.54	84.56	2.01e-03	-53.33	0.0	80.73	24.54	0.93	1.01	-111.37	-	
604.91		-1041.77	-111.37	-5.29e-04	0.0	102.5	74.59	-2.13	0.93	1.01	-13.41		
543.60						205.0	68.45	-28.79	0.93	1.01	84.56	-	
1041.77													
137	43	550.22	-1.73	2.04e-03	-53.33	0.0	81.93	24.51	0.83	2.38	-114.38	-	
602.10		-1043.84	-114.38	-1.82e-03	0.0	102.5	75.80	-2.15	0.83	2.38	-58.06		
543.97						205.0	69.66	-28.82	0.83	2.38	-1.73	-	
1043.84													
137	48	518.88	17.01	1.89e-03	-53.33	0.0	38.20	22.81	0.41	1.68	-68.12	-	
480.57		-1271.73	-68.12	-4.74e-04	0.0	102.5	32.07	-3.86	0.41	1.68	-25.55		
490.79						205.0	25.93	-30.52	0.41	1.68	17.01	-	
1271.73													
137	51	577.38	25.34	1.84e-03	-53.33	0.0	113.63	25.68	0.52	2.08	-80.12	-	
688.47		-890.65	-80.12	2.50e-04	0.0	102.5	107.49	-0.99	0.52	2.08	-27.39		
577.38						205.0	101.35	-27.65	0.52	2.08	25.34	-	
890.65													
137	53	519.05	0.26	1.90e-03	-53.33	0.0	38.49	22.80	0.39	1.94	-68.69	-	
479.88		-1272.23	-68.69	-7.30e-04	0.0	102.5	32.35	-3.86	0.39	1.94	-34.22		
490.89						205.0	26.22	-30.53	0.39	1.94	0.26	-	
1272.23													
137	66	546.58	62.28	1.96e-03	-53.33	0.0	77.74	24.39	0.77	1.30	-97.41	-	
594.60		-1061.81	-97.41	-4.60e-04	0.0	102.5	71.60	-2.28	0.77	1.30	-17.56		
538.74						205.0	65.46	-28.94	0.77	1.30	62.28	-	
1061.81													
137	75	547.14	6.43	1.98e-03	-53.33	0.0	78.70	24.37	0.69	2.20	-99.30	-	
592.30		-1063.48	-99.30	-1.31e-03	0.0	102.5	72.56	-2.30	0.69	2.20	-46.44		

539.05													
1063.48						205.0	66.43	-28.96	0.69	2.20	6.43	-	
137	80	543.77	21.18	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.12	-	
584.52		-1081.19	-74.12	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.47	-	
534.09													
1081.19						205.0	63.64	-29.09	0.46	1.88	21.18	-	
137	81	543.77	21.18	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.12	-	
584.52		-1081.19	-74.12	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.47	-	
534.09													
1081.19						205.0	63.64	-29.09	0.46	1.88	21.18	-	
137	82	543.77	21.18	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.12	-	
584.52		-1081.19	-74.12	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.47	-	
534.09													
1081.19						205.0	63.64	-29.09	0.46	1.88	21.18	-	
138	1	813.54	30.15	-1.32e-03	-69.33	0.0	10.25	39.73	-0.62	-2.44	30.15	-	
1519.76		-1519.76	-97.31	4.75e-04	0.0	102.5	18.23	5.06	-0.62	-2.44	-33.58	-	
776.42													
481.46						205.0	26.21	-29.60	-0.62	-2.44	-97.31	-	
138	2	625.80	23.19	-1.02e-03	-53.33	0.0	7.89	30.56	-0.48	-1.88	23.19	-	
1169.04		-1169.04	-74.85	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.83	-	
597.24													
370.35						205.0	20.16	-22.77	-0.48	-1.88	-74.85	-	
138	11	625.80	23.19	-1.02e-03	-53.33	0.0	7.89	30.56	-0.48	-1.88	23.19	-	
1169.04		-1169.04	-74.85	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.83	-	
597.24													
370.35						205.0	20.16	-22.77	-0.48	-1.88	-74.85	-	
138	19	608.89	-9.49	-8.77e-04	-53.33	0.0	-43.10	33.08	-0.16	-2.04	-9.49	-	
1494.46		-1494.46	-61.20	1.07e-03	0.0	102.5	-36.96	6.41	-0.16	-2.04	-35.34	-	
529.95													
179.51						205.0	-30.82	-20.25	-0.16	-2.04	-61.20	-	
138	21	664.74	30.03	-1.18e-03	-53.33	0.0	65.33	28.05	-0.59	-2.13	30.03	-	
844.31		-844.31	-89.49	-2.69e-04	0.0	102.5	71.47	1.39	-0.59	-2.13	-29.73	-	
664.74													
560.08						205.0	77.61	-25.28	-0.59	-2.13	-89.49	-	
138	22	608.45	16.36	-8.76e-04	-53.33	0.0	-49.56	33.07	-0.37	-1.63	16.36	-	
1493.78		-1493.78	-60.22	7.23e-04	0.0	102.5	-43.42	6.40	-0.37	-1.63	-21.93	-	
529.74													
180.62						205.0	-37.28	-20.26	-0.37	-1.63	-60.22	-	
138	33	632.28	-3.60	-1.13e-03	-53.33	0.0	34.61	30.30	-0.25	-2.50	-3.60	-	
1132.13		-1132.13	-116.66	1.88e-03	0.0	102.5	40.75	3.63	-0.25	-2.50	-60.13	-	
607.10													
387.56						205.0	46.89	-23.04	-0.25	-2.50	-116.66	-	
138	40	631.20	82.59	-1.13e-03	-53.33	0.0	13.07	30.27	-0.95	-1.11	82.59	-	
1129.85		-1129.85	-113.40	7.37e-04	0.0	102.5	19.20	3.60	-0.95	-1.11	-15.41	-	
606.39													
391.25						205.0	25.34	-23.06	-0.95	-1.11	-113.40	-	
138	51	610.11	3.92	-9.37e-04	-53.33	0.0	-21.64	32.04	-0.29	-1.99	3.92	-	
1359.52		-1359.52	-67.85	8.02e-04	0.0	102.5	-15.50	5.37	-0.29	-1.99	-31.97	-	
557.92													
258.53						205.0	-9.36	-21.30	-0.29	-1.99	-67.85	-	
138	53	646.49	25.99	-1.10e-03	-53.33	0.0	41.54	29.09	-0.53	-2.04	25.99	-	

978.99												
636.75		-978.99	-82.58	1.85e-04	0.0	102.5	47.68	2.43	-0.53	-2.04	-28.30	
481.39						205.0	53.82	-24.24	-0.53	-2.04	-82.58	-
138	54	609.78	20.40	-9.37e-04	-53.33	0.0	-25.77	32.03	-0.43	-1.71	20.40	-
1359.10		-1359.10	-67.13	5.82e-04	0.0	102.5	-19.63	5.36	-0.43	-1.71	-23.36	
557.74						205.0	-13.49	-21.30	-0.43	-1.71	-67.13	-
259.31												
138	65	629.38	6.31	-1.09e-03	-53.33	0.0	23.90	30.44	-0.33	-2.28	6.31	-
1151.41		-1151.41	-101.56	1.38e-03	0.0	102.5	30.04	3.77	-0.33	-2.28	-47.63	
602.38						205.0	36.18	-22.89	-0.33	-2.28	-101.56	-
377.70												
138	72	628.54	61.24	-1.09e-03	-53.33	0.0	10.12	30.42	-0.78	-1.37	61.24	-
1150.00		-1150.00	-99.13	6.36e-04	0.0	102.5	16.26	3.75	-0.78	-1.37	-18.95	
601.79						205.0	22.39	-22.91	-0.78	-1.37	-99.13	-
380.30												
138	80	625.80	23.19	-1.02e-03	-53.33	0.0	7.89	30.56	-0.48	-1.88	23.19	-
1169.04		-1169.04	-74.85	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.83	
597.24						205.0	20.16	-22.77	-0.48	-1.88	-74.85	-
370.35												
138	81	625.80	23.19	-1.02e-03	-53.33	0.0	7.89	30.56	-0.48	-1.88	23.19	-
1169.04		-1169.04	-74.85	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.83	
597.24						205.0	20.16	-22.77	-0.48	-1.88	-74.85	-
370.35												
138	82	625.80	23.19	-1.02e-03	-53.33	0.0	7.89	30.56	-0.48	-1.88	23.19	-
1169.04		-1169.04	-74.85	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.83	
597.24						205.0	20.16	-22.77	-0.48	-1.88	-74.85	-
370.35												
139	1	706.90	96.35	2.43e-03	-69.33	0.0	98.69	31.52	-0.60	-2.44	96.35	-
759.88		-1405.55	-27.53	2.82e-04	0.0	102.5	90.71	-3.15	-0.60	-2.44	34.41	
694.31						205.0	82.73	-37.81	-0.60	-2.44	-27.53	-
1405.55												
139	2	543.77	74.12	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.12	-
584.52		-1081.19	-21.18	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.47	
534.09						205.0	63.64	-29.09	-0.46	-1.88	-21.18	-
1081.19												
139	11	543.77	74.12	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.12	-
584.52		-1081.19	-21.18	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.47	
534.09						205.0	63.64	-29.09	-0.46	-1.88	-21.18	-
1081.19												
139	17	505.38	102.17	1.91e-03	-53.33	0.0	15.49	21.99	-0.78	-1.66	102.17	-
420.51		-1379.82	-59.98	-1.97e-04	0.0	102.5	9.36	-4.68	-0.78	-1.66	21.10	
466.78						205.0	3.22	-31.34	-0.78	-1.66	-59.98	-
1379.82												
139	18	601.39	46.06	1.82e-03	-53.33	0.0	136.34	26.50	-0.15	-2.09	46.06	-
748.53		-782.56	17.63	3.87e-04	0.0	102.5	130.20	-0.17	-0.15	-2.09	31.85	
601.39						205.0	124.07	-26.83	-0.15	-2.09	17.63	-
782.56												
139	20	505.58	103.08	1.92e-03	-53.33	0.0	15.86	21.98	-0.75	-2.07	103.08	-
419.66		-1380.44	-34.09	4.32e-04	0.0	102.5	9.72	-4.69	-0.75	-2.07	34.49	
466.89						205.0	3.58	-31.35	-0.75	-2.07	-34.09	-

1380.44													
139	39	547.36	111.47	2.00e-03	-53.33	0.0	77.35	24.41	-0.93	-1.01	111.47	-	
595.76		-1058.53	-84.65	5.41e-04	0.0	102.5	71.21	-2.26	-0.93	-1.01	13.41		
539.80						205.0	65.07	-28.92	-0.93	-1.01	-84.65	-	
1058.53													
139	46	548.04	114.48	2.03e-03	-53.33	0.0	78.55	24.39	-0.83	-2.37	114.48	-	
592.93		-1060.60	1.64	1.83e-03	0.0	102.5	72.42	-2.28	-0.83	-2.37	58.06		
540.17						205.0	66.28	-28.95	-0.83	-2.37	1.64	-	
1060.60													
139	49	521.29	90.79	1.90e-03	-53.33	0.0	40.50	22.92	-0.66	-1.73	90.79	-	
488.64		-1255.85	-44.79	-1.71e-04	0.0	102.5	34.36	-3.74	-0.66	-1.73	23.00		
494.70						205.0	28.22	-30.41	-0.66	-1.73	-44.79	-	
1255.85													
139	50	573.48	57.44	1.84e-03	-53.33	0.0	111.34	25.56	-0.27	-2.02	57.44	-	
680.40		-906.53	2.43	2.98e-04	0.0	102.5	105.20	-1.10	-0.27	-2.02	29.94		
573.48						205.0	99.06	-27.77	-0.27	-2.02	2.43	-	
906.53													
139	52	521.46	91.36	1.90e-03	-53.33	0.0	40.79	22.92	-0.63	-2.00	91.36	-	
487.95		-1256.35	-28.03	3.91e-04	0.0	102.5	34.65	-3.75	-0.63	-2.00	31.67		
494.79						205.0	28.51	-30.41	-0.63	-2.00	-28.03	-	
1256.35													
139	71	545.10	97.37	1.96e-03	-53.33	0.0	75.47	24.30	-0.77	-1.30	97.37	-	
588.42		-1073.12	-62.23	4.68e-04	0.0	102.5	69.33	-2.36	-0.77	-1.30	17.57		
536.17						205.0	63.19	-29.03	-0.77	-1.30	-62.23	-	
1073.12													
139	78	545.67	99.27	1.98e-03	-53.33	0.0	76.43	24.28	-0.69	-2.20	99.27	-	
586.11		-1074.80	-6.38	1.32e-03	0.0	102.5	70.29	-2.38	-0.69	-2.20	46.44		
536.48						205.0	64.16	-29.05	-0.69	-2.20	-6.38	-	
1074.80													
139	80	543.77	74.12	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.12	-	
584.52		-1081.19	-21.18	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.47		
534.09						205.0	63.64	-29.09	-0.46	-1.88	-21.18	-	
1081.19													
139	81	543.77	74.12	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.12	-	
584.52		-1081.19	-21.18	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.47		
534.09						205.0	63.64	-29.09	-0.46	-1.88	-21.18	-	
1081.19													
139	82	543.77	74.12	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.12	-	
584.52		-1081.19	-21.18	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.47		
534.09						205.0	63.64	-29.09	-0.46	-1.88	-21.18	-	
1081.19													
140	1	813.54	97.31	-1.32e-03	-69.33	0.0	10.25	39.73	0.62	2.44	-30.15	-	
1519.76		-1519.76	-30.15	-4.75e-04	0.0	102.5	18.23	5.06	0.62	2.44	33.58		
776.42						205.0	26.21	-29.60	0.62	2.44	97.31	-	
481.46													
140	2	625.80	74.85	-1.02e-03	-53.33	0.0	7.89	30.56	0.48	1.88	-23.19	-	
1169.04		-1169.04	-23.19	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.83		
597.24						205.0	20.16	-22.77	0.48	1.88	74.85	-	
370.35													
140	11	625.80	74.85	-1.02e-03	-53.33	0.0	7.89	30.56	0.48	1.88	-23.19	-	
1169.04		-1169.04	-23.19	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.83		

597.24													
						205.0	20.16	-22.77	0.48	1.88	74.85	-	
370.35													
140	18	611.00	107.28	-9.02e-04	-53.33	0.0	-38.10	32.88	0.59	2.04	-31.30	-	
1467.53		-1467.53	-31.30	-6.08e-04	0.0	102.5	-31.96	6.22	0.59	2.04	37.99		
537.03													
						205.0	-25.82	-20.45	0.59	2.04	107.28	-	
192.30													
140	20	657.67	43.40	-1.15e-03	-53.33	0.0	60.33	28.25	0.16	2.14	10.77	-	
871.24		-871.24	10.77	-4.49e-04	0.0	102.5	66.47	1.58	0.16	2.14	27.08		
657.67													
						205.0	72.61	-25.09	0.16	2.14	43.40	-	
547.30													
140	23	610.56	106.30	-9.01e-04	-53.33	0.0	-44.56	32.88	0.79	1.62	-57.15	-	
1466.85		-1466.85	-57.15	-2.83e-04	0.0	102.5	-38.42	6.21	0.79	1.62	24.57		
536.81													
						205.0	-32.28	-20.46	0.79	1.62	106.30	-	
193.40													
140	36	630.55	116.83	-1.12e-03	-53.33	0.0	31.72	30.43	0.25	2.50	3.57	-	
1148.85		-1148.85	3.57	-1.89e-03	0.0	102.5	37.86	3.76	0.25	2.50	60.20		
603.71													
						205.0	44.00	-22.91	0.25	2.50	116.83	-	
377.62													
140	45	629.48	113.57	-1.12e-03	-53.33	0.0	10.18	30.40	0.95	1.11	-82.62	-	
1146.58		-1146.58	-82.62	-7.48e-04	0.0	102.5	16.31	3.73	0.95	1.11	15.47		
603.01													
						205.0	22.45	-22.93	0.95	1.11	113.57	-	
381.29													
140	50	611.34	94.22	-9.52e-04	-53.33	0.0	-18.70	31.92	0.53	1.98	-27.37	-	
1343.71		-1343.71	-27.37	-5.45e-04	0.0	102.5	-12.56	5.26	0.53	1.98	33.42		
562.06													
						205.0	-6.42	-21.41	0.53	1.98	94.22	-	
266.04													
140	52	643.80	56.22	-1.08e-03	-53.33	0.0	38.61	29.21	0.29	2.05	-2.54	-	
994.80		-994.80	-2.54	-3.98e-04	0.0	102.5	44.74	2.54	0.29	2.05	26.84		
632.60													
						205.0	50.88	-24.13	0.29	2.05	56.22	-	
473.88													
140	55	611.01	93.49	-9.52e-04	-53.33	0.0	-22.83	31.92	0.67	1.71	-43.85	-	
1343.29		-1343.29	-43.85	-3.33e-04	0.0	102.5	-16.70	5.25	0.67	1.71	24.82		
561.89													
						205.0	-10.56	-21.42	0.67	1.71	93.49	-	
266.82													
140	68	628.20	101.56	-1.08e-03	-53.33	0.0	21.94	30.53	0.33	2.28	-6.22	-	
1162.70		-1162.70	-6.22	-1.39e-03	0.0	102.5	28.08	3.86	0.33	2.28	47.67		
600.08													
						205.0	34.22	-22.81	0.33	2.28	101.56	-	
371.01													
140	77	627.36	99.14	-1.08e-03	-53.33	0.0	8.16	30.51	0.78	1.37	-61.15	-	
1161.30		-1161.30	-61.15	-6.43e-04	0.0	102.5	14.30	3.84	0.78	1.37	18.99		
599.49													
						205.0	20.44	-22.82	0.78	1.37	99.14	-	
373.60													
140	80	625.80	74.85	-1.02e-03	-53.33	0.0	7.89	30.56	0.48	1.88	-23.19	-	
1169.04		-1169.04	-23.19	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.83		
597.24													
						205.0	20.16	-22.77	0.48	1.88	74.85	-	
370.35													
140	81	625.80	74.85	-1.02e-03	-53.33	0.0	7.89	30.56	0.48	1.88	-23.19	-	
1169.04		-1169.04	-23.19	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.83		
597.24													
						205.0	20.16	-22.77	0.48	1.88	74.85	-	
370.35													
140	82	625.80	74.85	-1.02e-03	-53.33	0.0	7.89	30.56	0.48	1.88	-23.19	-	

1169.04												
597.24		-1169.04	-23.19	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.83	
						205.0	20.16	-22.77	0.48	1.88	74.85	-
370.35												
141	1	706.90	27.54	2.43e-03	-69.33	0.0	98.69	31.52	0.60	2.44	-96.40	-
759.86		-1405.57	-96.40	-2.82e-04	0.0	102.5	90.71	-3.15	0.60	2.44	-34.43	
694.31						205.0	82.73	-37.81	0.60	2.44	27.54	-
1405.57												
141	2	543.77	21.19	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.16	-
584.50		-1081.21	-74.16	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.49	
534.09						205.0	63.64	-29.09	0.46	1.88	21.19	-
1081.21												
141	11	543.77	21.19	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.16	-
584.50		-1081.21	-74.16	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.49	
534.09						205.0	63.64	-29.09	0.46	1.88	21.19	-
1081.21												
141	24	505.41	59.70	1.91e-03	-53.33	0.0	15.29	21.98	0.78	1.67	-101.82	-
419.87		-1380.57	-101.82	1.96e-04	0.0	102.5	9.15	-4.68	0.78	1.67	-21.06	
466.72						205.0	3.01	-31.35	0.78	1.67	59.70	-
1380.57												
141	27	601.45	-17.33	1.82e-03	-53.33	0.0	136.54	26.51	0.15	2.09	-46.49	-
749.14		-781.84	-46.49	-3.86e-04	0.0	102.5	130.40	-0.16	0.15	2.09	-31.91	
601.45						205.0	124.26	-26.83	0.15	2.09	-17.33	-
781.84												
141	29	505.61	33.83	1.92e-03	-53.33	0.0	15.65	21.97	0.75	2.07	-102.67	-
419.02		-1381.20	-102.67	-4.33e-04	0.0	102.5	9.51	-4.69	0.75	2.07	-34.42	
466.83						205.0	3.37	-31.36	0.75	2.07	33.83	-
1381.20												
141	34	547.39	84.92	2.01e-03	-53.33	0.0	77.42	24.41	0.94	1.01	-111.92	-
595.83		-1058.38	-111.92	-5.40e-04	0.0	102.5	71.28	-2.25	0.94	1.01	-13.50	
539.84						205.0	65.14	-28.92	0.94	1.01	84.92	-
1058.38												
141	43	548.07	-1.34	2.04e-03	-53.33	0.0	78.62	24.39	0.83	2.38	-114.73	-
593.00		-1060.47	-114.73	-1.83e-03	0.0	102.5	72.48	-2.28	0.83	2.38	-58.04	
540.21						205.0	66.34	-28.94	0.83	2.38	-1.34	-
1060.47												
141	56	521.31	44.63	1.90e-03	-53.33	0.0	40.38	22.92	0.66	1.73	-90.60	-
488.27		-1256.29	-90.60	1.70e-04	0.0	102.5	34.24	-3.75	0.66	1.73	-22.99	
494.66						205.0	28.10	-30.41	0.66	1.73	44.63	-
1256.29												
141	59	573.51	-2.25	1.84e-03	-53.33	0.0	111.45	25.57	0.27	2.02	-57.72	-
680.74		-906.12	-57.72	-2.97e-04	0.0	102.5	105.31	-1.10	0.27	2.02	-29.99	
573.51						205.0	99.17	-27.77	0.27	2.02	-2.25	-
906.12												
141	61	521.47	27.88	1.91e-03	-53.33	0.0	40.67	22.91	0.63	2.00	-91.14	-
487.58		-1256.79	-91.14	-3.92e-04	0.0	102.5	34.53	-3.75	0.63	2.00	-31.63	
494.76						205.0	28.39	-30.42	0.63	2.00	27.88	-
1256.79												
141	66	545.12	62.39	1.96e-03	-53.33	0.0	75.51	24.30	0.77	1.30	-97.62	-
588.46		-1073.04	-97.62	-4.67e-04	0.0	102.5	69.37	-2.36	0.77	1.30	-17.62	
536.19						205.0	63.23	-29.03	0.77	1.30	62.39	-

1073.04													
141	75	545.68	6.55	1.98e-03	-53.33	0.0	76.47	24.28	0.69	2.20	-99.43	-	
586.15		-1074.73	-99.43	-1.32e-03	0.0	102.5	70.33	-2.38	0.69	2.20	-46.44		
536.50						205.0	64.19	-29.05	0.69	2.20	6.55	-	
1074.73													
141	80	543.77	21.19	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.16	-	
584.50		-1081.21	-74.16	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.49		
534.09						205.0	63.64	-29.09	0.46	1.88	21.19	-	
1081.21													
141	81	543.77	21.19	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.16	-	
584.50		-1081.21	-74.16	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.49		
534.09						205.0	63.64	-29.09	0.46	1.88	21.19	-	
1081.21													
141	82	543.77	21.19	1.87e-03	-53.33	0.0	75.92	24.24	0.46	1.88	-74.16	-	
584.50		-1081.21	-74.16	-2.17e-04	0.0	102.5	69.78	-2.42	0.46	1.88	-26.49		
534.09						205.0	63.64	-29.09	0.46	1.88	21.19	-	
1081.21													
142	1	813.55	30.16	-1.32e-03	-69.33	0.0	10.25	39.73	-0.62	-2.44	30.16	-	
1519.78		-1519.78	-97.36	4.75e-04	0.0	102.5	18.23	5.06	-0.62	-2.44	-33.60		
776.42						205.0	26.21	-29.60	-0.62	-2.44	-97.36	-	
481.44													
142	2	625.80	23.20	-1.02e-03	-53.33	0.0	7.88	30.56	-0.48	-1.88	23.20	-	
1169.06		-1169.06	-74.89	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.84		
597.24						205.0	20.16	-22.77	-0.48	-1.88	-74.89	-	
370.33													
142	11	625.80	23.20	-1.02e-03	-53.33	0.0	7.88	30.56	-0.48	-1.88	23.20	-	
1169.06		-1169.06	-74.89	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.84		
597.24						205.0	20.16	-22.77	-0.48	-1.88	-74.89	-	
370.33													
142	27	611.12	30.87	-9.04e-04	-53.33	0.0	-38.29	32.89	-0.58	-2.04	30.87	-	
1468.32		-1468.32	-107.01	6.09e-04	0.0	102.5	-32.15	6.23	-0.58	-2.04	-38.07		
536.97						205.0	-26.01	-20.44	-0.58	-2.04	-107.01	-	
191.63													
142	29	657.73	-10.35	-1.15e-03	-53.33	0.0	60.52	28.24	-0.17	-2.14	-10.35	-	
870.48		-870.48	-43.76	4.48e-04	0.0	102.5	66.65	1.57	-0.17	-2.14	-27.05		
657.73						205.0	72.79	-25.09	-0.17	-2.14	-43.76	-	
547.94													
142	30	610.69	56.75	-9.03e-04	-53.33	0.0	-44.75	32.88	-0.79	-1.62	56.75	-	
1467.64		-1467.64	-106.02	2.84e-04	0.0	102.5	-38.61	6.22	-0.79	-1.62	-24.63		
536.76						205.0	-32.47	-20.45	-0.79	-1.62	-106.02	-	
192.73													
142	33	630.52	-3.43	-1.12e-03	-53.33	0.0	31.73	30.42	-0.25	-2.50	-3.43	-	
1148.70		-1148.70	-117.10	1.89e-03	0.0	102.5	37.87	3.76	-0.25	-2.50	-60.26		
603.70						205.0	44.01	-22.91	-0.25	-2.50	-117.10	-	
377.79													
142	40	629.44	82.86	-1.12e-03	-53.33	0.0	10.18	30.40	-0.95	-1.11	82.86	-	
1146.44		-1146.44	-113.82	7.48e-04	0.0	102.5	16.32	3.73	-0.95	-1.11	-15.48		
602.99						205.0	22.46	-22.94	-0.95	-1.11	-113.82	-	
381.46													
142	59	611.41	27.13	-9.53e-04	-53.33	0.0	-18.81	31.93	-0.53	-1.99	27.13	-	
1344.17		-1344.17	-94.07	5.46e-04	0.0	102.5	-12.67	5.26	-0.53	-1.99	-33.47		

562.03													
						205.0	-6.53	-21.41	-0.53	-1.99	-94.07	-	
265.65													
142	61	643.78	2.79	-1.08e-03	-53.33	0.0	38.71	29.20	-0.29	-2.05	2.79	-	
994.37		-994.37	-56.44	3.97e-04	0.0	102.5	44.85	2.54	-0.29	-2.05	-26.83	-	
632.63													
						205.0	50.99	-24.13	-0.29	-2.05	-56.44	-	
474.24													
142	62	611.08	43.62	-9.53e-04	-53.33	0.0	-22.95	31.92	-0.67	-1.71	43.62	-	
1343.75		-1343.75	-93.34	3.33e-04	0.0	102.5	-16.81	5.25	-0.67	-1.71	-24.86	-	
561.85													
						205.0	-10.67	-21.41	-0.67	-1.71	-93.34	-	
266.43													
142	65	628.19	6.32	-1.08e-03	-53.33	0.0	21.95	30.53	-0.33	-2.28	6.32	-	
1162.63		-1162.63	-101.73	1.39e-03	0.0	102.5	28.09	3.86	-0.33	-2.28	-47.71	-	
600.08													
						205.0	34.23	-22.81	-0.33	-2.28	-101.73	-	
371.11													
142	72	627.34	61.29	-1.08e-03	-53.33	0.0	8.16	30.51	-0.78	-1.37	61.29	-	
1161.22		-1161.22	-99.30	6.43e-04	0.0	102.5	14.30	3.84	-0.78	-1.37	-19.00	-	
599.48													
						205.0	20.44	-22.83	-0.78	-1.37	-99.30	-	
373.69													
142	80	625.80	23.20	-1.02e-03	-53.33	0.0	7.88	30.56	-0.48	-1.88	23.20	-	
1169.06		-1169.06	-74.89	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.84	-	
597.24													
						205.0	20.16	-22.77	-0.48	-1.88	-74.89	-	
370.33													
142	81	625.80	23.20	-1.02e-03	-53.33	0.0	7.88	30.56	-0.48	-1.88	23.20	-	
1169.06		-1169.06	-74.89	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.84	-	
597.24													
						205.0	20.16	-22.77	-0.48	-1.88	-74.89	-	
370.33													
142	82	625.80	23.20	-1.02e-03	-53.33	0.0	7.88	30.56	-0.48	-1.88	23.20	-	
1169.06		-1169.06	-74.89	3.65e-04	0.0	102.5	14.02	3.90	-0.48	-1.88	-25.84	-	
597.24													
						205.0	20.16	-22.77	-0.48	-1.88	-74.89	-	
370.33													
143	1	706.90	96.40	2.43e-03	-69.33	0.0	98.69	31.52	-0.60	-2.44	96.40	-	
759.86		-1405.57	-27.54	2.82e-04	0.0	102.5	90.71	-3.15	-0.60	-2.44	34.43	-	
694.31													
						205.0	82.73	-37.81	-0.60	-2.44	-27.54	-	
1405.57													
143	2	543.77	74.16	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.16	-	
584.50		-1081.21	-21.19	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.49	-	
534.09													
						205.0	63.64	-29.09	-0.46	-1.88	-21.19	-	
1081.21													
143	11	543.77	74.16	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.16	-	
584.50		-1081.21	-21.19	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.49	-	
534.09													
						205.0	63.64	-29.09	-0.46	-1.88	-21.19	-	
1081.21													
143	25	501.23	63.27	1.90e-03	-53.33	0.0	11.51	21.79	-0.36	-1.57	63.27	-	
406.74		-1406.99	-11.78	6.26e-04	0.0	102.5	5.38	-4.88	-0.36	-1.57	25.74	-	
460.07													
						205.0	-0.76	-31.54	-0.36	-1.57	-11.78	-	
1406.99													
143	26	608.10	85.04	1.84e-03	-53.33	0.0	140.32	26.70	-0.57	-2.19	85.04	-	
762.27		-762.27	-30.59	-3.14e-04	0.0	102.5	134.18	0.03	-0.57	-2.19	27.23	-	
608.10													
						205.0	128.04	-26.63	-0.57	-2.19	-30.59	-	
755.42													
143	28	501.44	64.12	1.91e-03	-53.33	0.0	11.88	21.78	-0.33	-1.98	64.12	-	

405.89												
460.19		-1407.62	14.09	1.01e-03	0.0	102.5	5.74	-4.88	-0.33	-1.98	39.11	
						205.0	-0.40	-31.55	-0.33	-1.98	14.09	-
1407.62												
143	39	549.56	111.43	2.01e-03	-53.33	0.0	80.74	24.54	-0.93	-1.02	111.43	-
604.90												
		-1041.76	-84.49	5.30e-04	0.0	102.5	74.61	-2.13	-0.93	-1.02	13.47	
543.61												
						205.0	68.47	-28.79	-0.93	-1.02	-84.49	-
1041.76												
143	46	550.24	114.24	2.04e-03	-53.33	0.0	81.95	24.51	-0.83	-2.38	114.24	-
602.04												
		-1043.87	1.77	1.82e-03	0.0	102.5	75.81	-2.15	-0.83	-2.38	58.01	
543.99												
						205.0	69.67	-28.82	-0.83	-2.38	1.77	-
1043.87												
143	57	518.86	68.44	1.89e-03	-53.33	0.0	38.16	22.81	-0.41	-1.68	68.44	-
480.55												
		-1271.81	-17.21	4.74e-04	0.0	102.5	32.02	-3.86	-0.41	-1.68	25.61	
490.76												
						205.0	25.88	-30.52	-0.41	-1.68	-17.21	-
1271.81												
143	58	577.41	79.87	1.84e-03	-53.33	0.0	113.67	25.68	-0.52	-2.08	79.87	-
688.46												
		-890.60	-25.16	-2.49e-04	0.0	102.5	107.54	-0.99	-0.52	-2.08	27.36	
577.41												
						205.0	101.40	-27.65	-0.52	-2.08	-25.16	-
890.60												
143	60	519.03	68.99	1.90e-03	-53.33	0.0	38.44	22.80	-0.39	-1.94	68.99	-
479.85												
		-1272.32	-0.46	7.29e-04	0.0	102.5	32.31	-3.86	-0.39	-1.94	34.26	
490.86												
						205.0	26.17	-30.53	-0.39	-1.94	-0.46	-
1272.32												
143	71	546.59	97.43	1.96e-03	-53.33	0.0	77.75	24.39	-0.77	-1.31	97.43	-
594.59												
		-1061.81	-62.25	4.61e-04	0.0	102.5	71.61	-2.28	-0.77	-1.31	17.59	
538.74												
						205.0	65.47	-28.94	-0.77	-1.31	-62.25	-
1061.81												
143	78	547.15	99.25	1.98e-03	-53.33	0.0	78.71	24.37	-0.69	-2.20	99.25	-
592.27												
		-1063.50	-6.41	1.31e-03	0.0	102.5	72.57	-2.30	-0.69	-2.20	46.42	
539.06												
						205.0	66.43	-28.96	-0.69	-2.20	-6.41	-
1063.50												
143	80	543.77	74.16	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.16	-
584.50												
		-1081.21	-21.19	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.49	
534.09												
						205.0	63.64	-29.09	-0.46	-1.88	-21.19	-
1081.21												
143	81	543.77	74.16	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.16	-
584.50												
		-1081.21	-21.19	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.49	
534.09												
						205.0	63.64	-29.09	-0.46	-1.88	-21.19	-
1081.21												
143	82	543.77	74.16	1.87e-03	-53.33	0.0	75.92	24.24	-0.46	-1.88	74.16	-
584.50												
		-1081.21	-21.19	2.17e-04	0.0	102.5	69.78	-2.42	-0.46	-1.88	26.49	
534.09												
						205.0	63.64	-29.09	-0.46	-1.88	-21.19	-
1081.21												
144	1	813.55	97.36	-1.32e-03	-69.33	0.0	10.25	39.73	0.62	2.44	-30.16	-
1519.78												
		-1519.78	-30.16	-4.75e-04	0.0	102.5	18.23	5.06	0.62	2.44	33.60	
776.42												
						205.0	26.21	-29.60	0.62	2.44	97.36	-
481.44												
144	2	625.80	74.89	-1.02e-03	-53.33	0.0	7.88	30.56	0.48	1.88	-23.20	-
1169.06												
		-1169.06	-23.20	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.84	
597.24												
						205.0	20.16	-22.77	0.48	1.88	74.89	-

370.33												
144	11	625.80	74.89	-1.02e-03	-53.33	0.0	7.88	30.56	0.48	1.88	-23.20	-
1169.06		-1169.06	-23.20	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.84	
597.24						205.0	20.16	-22.77	0.48	1.88	74.89	-
370.33												
144	26	608.97	61.56	-8.77e-04	-53.33	0.0	-43.07	33.08	0.17	2.04	9.08	-
1494.56		-1494.56	9.08	-1.07e-03	0.0	102.5	-36.93	6.41	0.17	2.04	35.32	
530.00						205.0	-30.79	-20.25	0.17	2.04	61.56	-
179.33												
144	28	664.70	89.20	-1.18e-03	-53.33	0.0	65.31	28.05	0.58	2.13	-29.60	-
844.23		-844.23	-29.60	2.68e-04	0.0	102.5	71.44	1.39	0.58	2.13	29.80	
664.70						205.0	77.58	-25.28	0.58	2.13	89.20	-
560.24												
144	31	608.53	60.58	-8.76e-04	-53.33	0.0	-49.54	33.07	0.37	1.63	-16.80	-
1493.89		-1493.89	-16.80	-7.22e-04	0.0	102.5	-43.40	6.41	0.37	1.63	21.89	
529.78						205.0	-37.26	-20.26	0.37	1.63	60.58	-
180.43												
144	36	632.26	116.60	-1.13e-03	-53.33	0.0	34.60	30.30	0.25	2.50	3.85	-
1132.13		-1132.13	3.85	-1.88e-03	0.0	102.5	40.74	3.63	0.25	2.50	60.22	
607.08						205.0	46.87	-23.04	0.25	2.50	116.60	-
387.59												
144	45	631.17	113.32	-1.13e-03	-53.33	0.0	13.03	30.27	0.94	1.12	-82.44	-
1129.88		-1129.88	-82.44	-7.38e-04	0.0	102.5	19.17	3.60	0.94	1.12	15.44	
606.37						205.0	25.31	-23.06	0.94	1.12	113.32	-
391.26												
144	58	610.15	68.08	-9.37e-04	-53.33	0.0	-21.62	32.04	0.29	1.99	-4.17	-
1359.59		-1359.59	-4.17	-8.01e-04	0.0	102.5	-15.49	5.37	0.29	1.99	31.96	
557.94						205.0	-9.35	-21.30	0.29	1.99	68.08	-
258.41												
144	60	646.46	82.43	-1.10e-03	-53.33	0.0	41.53	29.09	0.53	2.05	-25.74	-
978.95		-978.95	-25.74	-1.86e-04	0.0	102.5	47.66	2.43	0.53	2.05	28.34	
636.73						205.0	53.80	-24.24	0.53	2.05	82.43	-
481.48												
144	63	609.82	67.35	-9.37e-04	-53.33	0.0	-25.76	32.03	0.43	1.72	-20.66	-
1359.17		-1359.17	-20.66	-5.82e-04	0.0	102.5	-19.62	5.36	0.43	1.72	23.34	
557.76						205.0	-13.48	-21.30	0.43	1.72	67.35	-
259.19												
144	68	629.37	101.54	-1.09e-03	-53.33	0.0	23.89	30.44	0.33	2.28	-6.18	-
1151.42		-1151.42	-6.18	-1.38e-03	0.0	102.5	30.03	3.77	0.33	2.28	47.68	
602.38						205.0	36.17	-22.89	0.33	2.28	101.54	-
377.71												
144	77	628.53	99.10	-1.09e-03	-53.33	0.0	10.10	30.42	0.78	1.37	-61.16	-
1150.02		-1150.02	-61.16	-6.36e-04	0.0	102.5	16.24	3.75	0.78	1.37	18.97	
601.78						205.0	22.38	-22.91	0.78	1.37	99.10	-
380.30												
144	80	625.80	74.89	-1.02e-03	-53.33	0.0	7.88	30.56	0.48	1.88	-23.20	-
1169.06		-1169.06	-23.20	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.84	
597.24						205.0	20.16	-22.77	0.48	1.88	74.89	-
370.33												
144	81	625.80	74.89	-1.02e-03	-53.33	0.0	7.88	30.56	0.48	1.88	-23.20	-
1169.06		-1169.06	-23.20	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.84	

597.24													
370.33						205.0	20.16	-22.77	0.48	1.88	74.89	-	
144	82	625.80	74.89	-1.02e-03	-53.33	0.0	7.88	30.56	0.48	1.88	-23.20	-	
1169.06		-1169.06	-23.20	-3.65e-04	0.0	102.5	14.02	3.90	0.48	1.88	25.84	-	
597.24						205.0	20.16	-22.77	0.48	1.88	74.89	-	
370.33													
145	1	791.02	18.44	7.83e-03	-69.33	0.0	297.69	30.87	0.54	2.43	-92.37	-	
618.07		-1395.58	-92.37	-2.86e-04	0.0	102.5	289.71	-3.79	0.54	2.43	-36.97	-	
770.20						205.0	281.73	-38.46	0.54	2.43	18.44	-	
1395.58													
145	2	608.48	14.18	6.02e-03	-53.33	0.0	229.00	23.75	0.42	1.87	-71.05	-	
475.44		-1073.53	-71.05	-2.20e-04	0.0	102.5	222.86	-2.92	0.42	1.87	-28.44	-	
592.46						205.0	216.72	-29.58	0.42	1.87	14.18	-	
1073.53													
145	11	608.48	14.18	6.02e-03	-53.33	0.0	229.00	23.75	0.42	1.87	-71.05	-	
475.44		-1073.53	-71.05	-2.20e-04	0.0	102.5	222.86	-2.92	0.42	1.87	-28.44	-	
592.46						205.0	216.72	-29.58	0.42	1.87	14.18	-	
1073.53													
145	16	555.06	11.36	5.76e-03	-53.33	0.0	157.45	21.43	0.38	1.55	-49.72	-	
328.59		-1389.53	-49.72	-2.52e-04	0.0	102.5	151.31	-5.24	0.38	1.55	-19.18	-	
507.88						205.0	145.17	-31.91	0.38	1.55	11.36	-	
1389.53													
145	19	677.04	17.00	6.28e-03	-53.33	0.0	300.54	26.07	0.45	2.19	-92.39	-	
622.29		-757.52	-92.39	2.42e-04	0.0	102.5	294.40	-0.59	0.45	2.19	-37.69	-	
677.04						205.0	288.26	-27.26	0.45	2.19	17.00	-	
757.52													
145	21	563.89	-12.89	5.78e-03	-53.33	0.0	157.73	21.42	0.35	1.94	-68.44	-	
313.85		-1390.57	-68.44	-7.12e-04	0.0	102.5	151.59	-5.25	0.35	1.94	-40.66	-	
514.73						205.0	145.45	-31.92	0.35	1.94	-12.89	-	
1390.57													
145	34	588.73	71.92	6.18e-03	-53.33	0.0	235.89	24.08	0.82	0.98	-42.22	-	
544.59		-1029.76	-42.22	-2.39e-04	0.0	102.5	229.76	-2.59	0.82	0.98	14.85	-	
579.77						205.0	223.62	-29.25	0.82	0.98	71.92	-	
1029.76													
145	35	655.60	-32.47	6.03e-03	-53.33	0.0	262.62	24.75	0.09	2.79	-106.87	-	
498.55		-936.11	-106.87	4.32e-04	0.0	102.5	256.48	-1.91	0.09	2.79	-69.67	-	
649.61						205.0	250.34	-28.58	0.09	2.79	-32.47	-	
936.11													
145	48	575.56	13.47	5.87e-03	-53.33	0.0	187.09	22.39	0.40	1.66	-58.54	-	
390.32		-1258.22	-58.54	-2.46e-04	0.0	102.5	180.95	-4.27	0.40	1.66	-22.53	-	
542.67						205.0	174.81	-30.94	0.40	1.66	13.47	-	
1258.22													
145	51	642.25	14.90	6.17e-03	-53.33	0.0	270.91	25.11	0.43	2.08	-83.57	-	
560.56		-888.83	-83.57	2.13e-04	0.0	102.5	264.77	-1.56	0.43	2.08	-34.34	-	
642.25						205.0	258.63	-28.23	0.43	2.08	14.90	-	
888.83													
145	53	580.51	-1.85	5.89e-03	-53.33	0.0	187.28	22.38	0.38	1.92	-69.99	-	
380.83		-1259.11	-69.99	-5.55e-04	0.0	102.5	181.14	-4.28	0.38	1.92	-35.92	-	
546.97						205.0	175.00	-30.95	0.38	1.92	-1.85	-	
1259.11													
145	66	595.17	50.82	6.12e-03	-53.33	0.0	232.05	23.92	0.67	1.28	-53.76	-	

516.73												
583.14		-1050.87	-53.76	-1.87e-04	0.0	102.5	225.91	-2.74	0.67	1.28	-1.47	
						205.0	219.78	-29.41	0.67	1.28	50.82	-
1050.87												
145	67	637.72	-16.01	6.02e-03	-53.33	0.0	249.51	24.35	0.22	2.48	-92.39	-
487.82		-990.78	-92.39	3.30e-04	0.0	102.5	243.37	-2.31	0.22	2.48	-54.20	
627.64						205.0	237.23	-28.98	0.22	2.48	-16.01	-
990.78												
145	80	608.48	14.18	6.02e-03	-53.33	0.0	229.00	23.75	0.42	1.87	-71.05	-
475.44		-1073.53	-71.05	-2.20e-04	0.0	102.5	222.86	-2.92	0.42	1.87	-28.44	
592.46						205.0	216.72	-29.58	0.42	1.87	14.18	-
1073.53												
145	81	608.48	14.18	6.02e-03	-53.33	0.0	229.00	23.75	0.42	1.87	-71.05	-
475.44		-1073.53	-71.05	-2.20e-04	0.0	102.5	222.86	-2.92	0.42	1.87	-28.44	
592.46						205.0	216.72	-29.58	0.42	1.87	14.18	-
1073.53												
145	82	608.48	14.18	6.02e-03	-53.33	0.0	229.00	23.75	0.42	1.87	-71.05	-
475.44		-1073.53	-71.05	-2.20e-04	0.0	102.5	222.86	-2.92	0.42	1.87	-28.44	
592.46						205.0	216.72	-29.58	0.42	1.87	14.18	-
1073.53												
146	1	1061.24	32.03	5.33e-03	-69.33	0.0	163.01	39.79	-0.63	-2.44	32.03	-
1279.16		-1279.16	-96.89	4.67e-04	0.0	102.5	170.99	5.13	-0.63	-2.44	-32.43	
1023.33						205.0	178.97	-29.54	-0.63	-2.44	-96.89	-
228.24												
146	2	816.34	24.64	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.64	-
983.97		-983.97	-74.53	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.95	
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.53	-
175.57												
146	11	816.34	24.64	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.64	-
983.97		-983.97	-74.53	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.95	
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.53	-
175.57												
146	19	811.40	-1.09	4.33e-03	-53.33	0.0	82.12	33.15	-0.24	-2.09	-1.09	-
1300.72		-1300.72	-68.68	8.19e-04	0.0	102.5	88.26	6.48	-0.24	-2.09	-34.88	
730.71						205.0	94.40	-20.18	-0.24	-2.09	-68.68	
28.27												
146	21	843.93	23.93	3.87e-03	-53.33	0.0	173.14	28.07	-0.52	-2.09	23.93	-
667.40		-667.40	-82.13	2.06e-04	0.0	102.5	179.28	1.41	-0.52	-2.09	-29.10	
843.93						205.0	185.42	-25.26	-0.52	-2.09	-82.13	-
378.63												
146	22	810.99	25.35	4.32e-03	-53.33	0.0	77.65	33.14	-0.45	-1.67	25.35	-
1300.53		-1300.53	-66.94	5.50e-04	0.0	102.5	83.78	6.48	-0.45	-1.67	-20.79	
730.42						205.0	89.92	-20.19	-0.45	-1.67	-66.94	
27.49												
146	33	821.54	-14.50	3.92e-03	-53.33	0.0	146.36	30.30	-0.19	-2.63	-14.50	-
942.98		-942.98	-115.34	1.67e-03	0.0	102.5	152.50	3.63	-0.19	-2.63	-64.92	
796.35						205.0	158.64	-23.03	-0.19	-2.63	-115.34	-
198.19												
146	40	820.37	73.64	3.88e-03	-53.33	0.0	131.44	30.28	-0.89	-1.25	73.64	-
942.34		-942.34	-109.55	7.73e-04	0.0	102.5	137.58	3.62	-0.89	-1.25	-17.95	
795.38						205.0	143.72	-23.05	-0.89	-1.25	-109.55	-

200.78													
146	53	830.54	23.38	3.97e-03	-53.33	0.0	153.34	29.13	-0.50	-2.02	23.38	-	
798.71		-798.71	-78.52	2.47e-04	0.0	102.5	159.48	2.46	-0.50	-2.02	-27.57		
820.38						205.0	165.62	-24.21	-0.50	-2.02	-78.52	-	
294.41													
146	54	807.59	25.90	4.22e-03	-53.33	0.0	97.45	32.09	-0.47	-1.75	25.90	-	
1169.22		-1169.22	-70.54	4.90e-04	0.0	102.5	103.58	5.43	-0.47	-1.75	-22.32		
753.97						205.0	109.72	-21.24	-0.47	-1.75	-70.54	-	
56.73													
146	65	819.31	0.43	3.99e-03	-53.33	0.0	137.81	30.45	-0.31	-2.38	0.43	-	
963.26		-963.26	-99.71	1.22e-03	0.0	102.5	143.95	3.79	-0.31	-2.38	-49.64		
792.12						205.0	150.09	-22.88	-0.31	-2.38	-99.71	-	
186.38													
146	72	818.43	55.78	3.96e-03	-53.33	0.0	128.36	30.45	-0.74	-1.47	55.78	-	
963.34		-963.34	-96.29	6.54e-04	0.0	102.5	134.49	3.78	-0.74	-1.47	-20.26		
791.32						205.0	140.63	-22.88	-0.74	-1.47	-96.29	-	
187.90													
146	80	816.34	24.64	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.64	-	
983.97		-983.97	-74.53	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.95		
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.53	-	
175.57													
146	81	816.34	24.64	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.64	-	
983.97		-983.97	-74.53	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.95		
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.53	-	
175.57													
146	82	816.34	24.64	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.64	-	
983.97		-983.97	-74.53	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.95		
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.53	-	
175.57													
147	1	791.02	92.37	7.83e-03	-69.33	0.0	297.69	30.87	-0.54	-2.43	92.37	-	
618.07		-1395.58	-18.44	2.86e-04	0.0	102.5	289.71	-3.79	-0.54	-2.43	36.97		
770.20						205.0	281.73	-38.46	-0.54	-2.43	-18.44	-	
1395.58													
147	2	608.48	71.05	6.02e-03	-53.33	0.0	229.00	23.75	-0.42	-1.87	71.05	-	
475.44		-1073.53	-14.18	2.20e-04	0.0	102.5	222.86	-2.92	-0.42	-1.87	28.44		
592.46						205.0	216.72	-29.58	-0.42	-1.87	-14.18	-	
1073.53													
147	11	608.48	71.05	6.02e-03	-53.33	0.0	229.00	23.75	-0.42	-1.87	71.05	-	
475.44		-1073.53	-14.18	2.20e-04	0.0	102.5	222.86	-2.92	-0.42	-1.87	28.44		
592.46						205.0	216.72	-29.58	-0.42	-1.87	-14.18	-	
1073.53													
147	17	556.66	71.17	5.83e-03	-53.33	0.0	162.38	21.66	-0.64	-1.65	71.17	-	
345.80		-1358.66	-44.37	1.42e-04	0.0	102.5	156.24	-5.01	-0.64	-1.65	13.40		
514.71						205.0	150.10	-31.67	-0.64	-1.65	-44.37	-	
1358.66													
147	18	670.20	70.94	6.21e-03	-53.33	0.0	295.61	25.84	-0.19	-2.10	70.94	-	
605.09		-788.39	16.01	2.98e-04	0.0	102.5	289.47	-0.83	-0.19	-2.10	43.47		
670.20						205.0	283.34	-27.49	-0.19	-2.10	16.01	-	
788.39													
147	20	564.71	89.89	5.85e-03	-53.33	0.0	162.65	21.65	-0.61	-2.04	89.89	-	
331.05		-1359.69	-20.12	6.02e-04	0.0	102.5	156.51	-5.02	-0.61	-2.04	34.88		

521.57												
1359.69						205.0	150.37	-31.68	-0.61	-2.04	-20.12	-
147	32	629.39	106.33	5.88e-03	-53.33	0.0	223.57	23.49	-0.09	-2.80	106.33	-
411.43												
607.22		-1108.02	33.65	-4.34e-04	0.0	102.5	217.44	-3.18	-0.09	-2.80	69.99	-
1108.02												
147	39	586.22	41.64	6.17e-03	-53.33	0.0	232.19	23.96	-0.82	-0.97	41.64	-
536.67												
575.76		-1045.69	-71.80	2.50e-04	0.0	102.5	226.06	-2.70	-0.82	-0.97	-15.08	-
1045.69												
147	49	577.80	70.92	5.91e-03	-53.33	0.0	189.98	22.53	-0.55	-1.72	70.92	-
400.42												
546.68		-1240.10	-32.66	1.69e-04	0.0	102.5	183.84	-4.14	-0.55	-1.72	19.13	-
1240.10												
147	50	639.16	71.19	6.13e-03	-53.33	0.0	268.01	24.97	-0.28	-2.02	71.19	-
550.46												
638.23		-906.95	4.29	2.71e-04	0.0	102.5	261.87	-1.70	-0.28	-2.02	37.74	-
906.95												
147	52	582.76	82.38	5.92e-03	-53.33	0.0	190.17	22.52	-0.53	-1.97	82.38	-
390.92												
550.98		-1240.99	-17.35	4.78e-04	0.0	102.5	184.03	-4.15	-0.53	-1.97	32.52	-
1240.99												
147	64	622.48	92.07	5.93e-03	-53.33	0.0	226.81	23.62	-0.21	-2.48	92.07	-
437.16												
602.99		-1090.74	16.70	-3.31e-04	0.0	102.5	220.67	-3.05	-0.21	-2.48	54.38	-
1090.74												
147	71	593.47	53.37	6.11e-03	-53.33	0.0	229.56	23.84	-0.66	-1.28	53.37	-
511.34												
580.43		-1061.68	-50.65	1.94e-04	0.0	102.5	223.42	-2.82	-0.66	-1.28	1.36	-
1061.68												
147	80	608.48	71.05	6.02e-03	-53.33	0.0	229.00	23.75	-0.42	-1.87	71.05	-
475.44												
592.46		-1073.53	-14.18	2.20e-04	0.0	102.5	222.86	-2.92	-0.42	-1.87	28.44	-
1073.53												
147	81	608.48	71.05	6.02e-03	-53.33	0.0	229.00	23.75	-0.42	-1.87	71.05	-
475.44												
592.46		-1073.53	-14.18	2.20e-04	0.0	102.5	222.86	-2.92	-0.42	-1.87	28.44	-
1073.53												
147	82	608.48	71.05	6.02e-03	-53.33	0.0	229.00	23.75	-0.42	-1.87	71.05	-
475.44												
592.46		-1073.53	-14.18	2.20e-04	0.0	102.5	222.86	-2.92	-0.42	-1.87	28.44	-
1073.53												
148	1	1061.24	96.89	5.33e-03	-69.33	0.0	163.01	39.79	0.63	2.44	-32.03	-
1279.16												
1023.33		-1279.16	-32.03	-4.67e-04	0.0	102.5	170.99	5.13	0.63	2.44	32.43	-
228.24												
148	2	816.34	74.53	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.64	-
983.97												
787.17		-983.97	-24.64	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.95	-
175.57												
148	11	816.34	74.53	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.64	-

983.97												
787.17		-983.97	-24.64	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.95	
						205.0	137.67	-22.72	0.48	1.88	74.53	-
175.57												
148	18	812.29	100.27	4.27e-03	-53.33	0.0	88.35	32.91	0.49	2.09	-20.09	-
1269.95		-1269.95	-20.09	-6.88e-04	0.0	102.5	94.49	6.25	0.49	2.09	40.09	
737.58						205.0	100.63	-20.42	0.49	2.09	100.27	
11.22												
148	20	837.06	50.53	3.94e-03	-53.33	0.0	166.91	28.31	0.27	2.09	-2.75	-
698.18		-698.18	-2.75	-3.02e-04	0.0	102.5	173.05	1.64	0.27	2.09	23.89	
837.06						205.0	179.19	-25.02	0.27	2.09	50.53	-
361.58												
148	23	811.88	98.53	4.25e-03	-53.33	0.0	83.87	32.91	0.70	1.67	-46.53	-
1269.75		-1269.75	-46.53	-4.20e-04	0.0	102.5	90.01	6.24	0.70	1.67	26.00	
737.29						205.0	96.15	-20.42	0.70	1.67	98.53	
10.45												
148	36	820.38	115.39	3.93e-03	-53.33	0.0	144.12	30.43	0.19	2.63	15.23	-
958.93		-958.93	15.23	-1.68e-03	0.0	102.5	150.26	3.76	0.19	2.63	65.31	
793.55						205.0	156.39	-22.91	0.19	2.63	115.39	-
187.85												
148	45	819.21	109.60	3.89e-03	-53.33	0.0	129.18	30.41	0.88	1.25	-72.91	-
958.29		-958.29	-72.91	-7.90e-04	0.0	102.5	135.32	3.74	0.88	1.25	18.34	
792.58						205.0	141.46	-22.92	0.88	1.25	109.60	-
190.44												
148	52	828.27	60.16	4.01e-03	-53.33	0.0	149.69	29.26	0.35	2.01	-11.18	-
816.78		-816.78	-11.18	-3.14e-04	0.0	102.5	155.83	2.60	0.35	2.01	24.49	
816.36						205.0	161.97	-24.07	0.35	2.01	60.16	-
284.39												
148	55	808.11	88.90	4.19e-03	-53.33	0.0	101.10	31.95	0.62	1.75	-38.10	-
1151.16		-1151.16	-38.10	-4.07e-04	0.0	102.5	107.24	5.29	0.62	1.75	25.40	
757.99						205.0	113.38	-21.38	0.62	1.75	88.90	-
66.74												
148	68	818.52	99.64	3.99e-03	-53.33	0.0	136.26	30.54	0.31	2.37	0.04	-
974.09		-974.09	0.04	-1.23e-03	0.0	102.5	142.40	3.88	0.31	2.37	49.84	
790.21						205.0	148.54	-22.79	0.31	2.37	99.64	-
179.38												
148	77	817.63	96.22	3.96e-03	-53.33	0.0	126.80	30.53	0.73	1.47	-55.30	-
974.16		-974.16	-55.30	-6.64e-04	0.0	102.5	132.94	3.87	0.73	1.47	20.46	
789.41						205.0	139.08	-22.80	0.73	1.47	96.22	-
180.90												
148	80	816.34	74.53	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.64	-
983.97		-983.97	-24.64	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.95	
787.17						205.0	137.67	-22.72	0.48	1.88	74.53	-
175.57												
148	81	816.34	74.53	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.64	-
983.97		-983.97	-24.64	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.95	
787.17						205.0	137.67	-22.72	0.48	1.88	74.53	-
175.57												
148	82	816.34	74.53	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.64	-
983.97		-983.97	-24.64	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.95	
787.17						205.0	137.67	-22.72	0.48	1.88	74.53	-

175.57													
149	1	791.03	18.45	7.83e-03	-69.33	0.0	297.69	30.87	0.54	2.44	-92.42	-	
618.05		-1395.60	-92.42	-2.86e-04	0.0	102.5	289.71	-3.79	0.54	2.44	-36.99		
770.20						205.0	281.73	-38.46	0.54	2.44	18.45	-	
1395.60													
149	2	608.48	14.19	6.02e-03	-53.33	0.0	228.99	23.75	0.42	1.87	-71.09	-	
475.43		-1073.54	-71.09	-2.20e-04	0.0	102.5	222.85	-2.92	0.42	1.87	-28.45		
592.46						205.0	216.72	-29.58	0.42	1.87	14.19	-	
1073.54													
149	11	608.48	14.19	6.02e-03	-53.33	0.0	228.99	23.75	0.42	1.87	-71.09	-	
475.43		-1073.54	-71.09	-2.20e-04	0.0	102.5	222.85	-2.92	0.42	1.87	-28.45		
592.46						205.0	216.72	-29.58	0.42	1.87	14.19	-	
1073.54													
149	24	556.50	44.61	5.83e-03	-53.33	0.0	162.11	21.66	0.64	1.65	-71.46	-	
345.78		-1359.05	-71.46	-1.41e-04	0.0	102.5	155.97	-5.01	0.64	1.65	-13.42		
514.53						205.0	149.83	-31.67	0.64	1.65	44.61	-	
1359.05													
149	27	670.39	-16.23	6.21e-03	-53.33	0.0	295.88	25.84	0.19	2.10	-70.73	-	
605.07		-788.03	-70.73	-2.99e-04	0.0	102.5	289.74	-0.83	0.19	2.10	-43.48		
670.39						205.0	283.60	-27.49	0.19	2.10	-16.23	-	
788.03													
149	29	564.58	20.33	5.85e-03	-53.33	0.0	162.38	21.65	0.62	2.04	-90.19	-	
331.03		-1360.09	-90.19	-6.01e-04	0.0	102.5	156.24	-5.02	0.62	2.04	-34.93		
521.38						205.0	150.11	-31.68	0.62	2.04	20.33	-	
1360.09													
149	34	586.29	71.77	6.17e-03	-53.33	0.0	232.23	23.96	0.82	0.97	-41.58	-	
536.52		-1045.70	-41.58	-2.51e-04	0.0	102.5	226.10	-2.70	0.82	0.97	15.09		
575.83						205.0	219.96	-29.37	0.82	0.97	71.77	-	
1045.70													
149	37	629.33	-33.65	5.88e-03	-53.33	0.0	223.49	23.49	0.09	2.80	-106.39	-	
411.45		-1108.15	-106.39	4.34e-04	0.0	102.5	217.35	-3.18	0.09	2.80	-70.02		
607.14						205.0	211.21	-29.84	0.09	2.80	-33.65	-	
1108.15													
149	56	577.71	32.80	5.91e-03	-53.33	0.0	189.83	22.53	0.55	1.72	-71.10	-	
400.40		-1240.33	-71.10	-1.69e-04	0.0	102.5	183.69	-4.14	0.55	1.72	-19.15		
546.57						205.0	177.55	-30.80	0.55	1.72	32.80	-	
1240.33													
149	59	639.25	-4.42	6.13e-03	-53.33	0.0	268.16	24.97	0.28	2.02	-71.08	-	
550.45		-906.75	-71.08	-2.71e-04	0.0	102.5	262.02	-1.70	0.28	2.02	-37.75		
638.34						205.0	255.88	-28.36	0.28	2.02	-4.42	-	
906.75													
149	61	582.66	17.47	5.93e-03	-53.33	0.0	190.02	22.52	0.54	1.98	-82.56	-	
390.90		-1241.23	-82.56	-4.78e-04	0.0	102.5	183.88	-4.15	0.54	1.98	-32.55		
550.87						205.0	177.74	-30.81	0.54	1.98	17.47	-	
1241.23													
149	66	593.52	50.63	6.11e-03	-53.33	0.0	229.58	23.84	0.66	1.28	-53.35	-	
511.25		-1061.69	-53.35	-1.95e-04	0.0	102.5	223.44	-2.82	0.66	1.28	-1.36		
580.47						205.0	217.30	-29.49	0.66	1.28	50.63	-	
1061.69													
149	69	622.44	-16.69	5.93e-03	-53.33	0.0	226.76	23.62	0.21	2.48	-92.12	-	
437.16		-1090.83	-92.12	3.31e-04	0.0	102.5	220.62	-3.05	0.21	2.48	-54.41		

602.94													
1090.83						205.0	214.48	-29.71	0.21	2.48	-16.69	-	
149	80	608.48	14.19	6.02e-03	-53.33	0.0	228.99	23.75	0.42	1.87	-71.09	-	
475.43		-1073.54	-71.09	-2.20e-04	0.0	102.5	222.85	-2.92	0.42	1.87	-28.45	-	
592.46						205.0	216.72	-29.58	0.42	1.87	14.19	-	
1073.54													
149	81	608.48	14.19	6.02e-03	-53.33	0.0	228.99	23.75	0.42	1.87	-71.09	-	
475.43		-1073.54	-71.09	-2.20e-04	0.0	102.5	222.85	-2.92	0.42	1.87	-28.45	-	
592.46						205.0	216.72	-29.58	0.42	1.87	14.19	-	
1073.54													
149	82	608.48	14.19	6.02e-03	-53.33	0.0	228.99	23.75	0.42	1.87	-71.09	-	
475.43		-1073.54	-71.09	-2.20e-04	0.0	102.5	222.85	-2.92	0.42	1.87	-28.45	-	
592.46						205.0	216.72	-29.58	0.42	1.87	14.19	-	
1073.54													
150	1	1061.25	32.04	5.33e-03	-69.33	0.0	163.01	39.79	-0.63	-2.45	32.04	-	
1279.18		-1279.18	-96.94	4.67e-04	0.0	102.5	170.99	5.13	-0.63	-2.45	-32.45	-	
1023.33						205.0	178.97	-29.54	-0.63	-2.45	-96.94	-	
228.21													
150	2	816.34	24.65	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.65	-	
983.98		-983.98	-74.57	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.96	-	
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.57	-	
175.55													
150	11	816.34	24.65	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.65	-	
983.98		-983.98	-74.57	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.96	-	
787.17						205.0	137.67	-22.72	-0.48	-1.88	-74.57	-	
175.55													
150	27	812.54	20.36	4.26e-03	-53.33	0.0	88.44	32.92	-0.50	-2.09	20.36	-	
1270.25		-1270.25	-100.53	6.87e-04	0.0	102.5	94.58	6.25	-0.50	-2.09	-40.09	-	
737.72						205.0	100.72	-20.41	-0.50	-2.09	-100.53	-	
11.80													
150	29	836.93	2.49	3.94e-03	-53.33	0.0	166.82	28.30	-0.26	-2.09	2.49	-	
697.89		-697.89	-50.37	3.03e-04	0.0	102.5	172.96	1.64	-0.26	-2.09	-23.94	-	
836.93						205.0	179.10	-25.03	-0.26	-2.09	-50.37	-	
362.13													
150	30	812.13	46.81	4.25e-03	-53.33	0.0	83.96	32.91	-0.70	-1.68	46.81	-	
1270.07		-1270.07	-98.78	4.19e-04	0.0	102.5	90.10	6.25	-0.70	-1.68	-25.99	-	
737.42						205.0	96.23	-20.42	-0.70	-1.68	-98.78	-	
11.04													
150	33	820.34	-15.32	3.93e-03	-53.33	0.0	144.04	30.43	-0.19	-2.63	-15.32	-	
958.96		-958.96	-115.40	1.69e-03	0.0	102.5	150.18	3.76	-0.19	-2.63	-65.36	-	
793.51						205.0	156.32	-22.91	-0.19	-2.63	-115.40	-	
187.90													
150	40	819.16	72.84	3.89e-03	-53.33	0.0	129.10	30.41	-0.88	-1.25	72.84	-	
958.37		-958.37	-109.55	7.90e-04	0.0	102.5	135.24	3.74	-0.88	-1.25	-18.35	-	
792.52						205.0	141.38	-22.92	-0.88	-1.25	-109.55	-	
190.46													
150	61	828.17	11.04	4.01e-03	-53.33	0.0	149.63	29.26	-0.35	-2.02	11.04	-	
816.62		-816.62	-60.09	3.15e-04	0.0	102.5	155.77	2.59	-0.35	-2.02	-24.52	-	
816.28						205.0	161.91	-24.07	-0.35	-2.02	-60.09	-	
284.70													
150	62	808.25	38.26	4.18e-03	-53.33	0.0	101.15	31.96	-0.62	-1.75	38.26	-	

1151.35												
758.07		-1151.35	-89.06	4.06e-04	0.0	102.5	107.29	5.29	-0.62	-1.75	-25.40	
						205.0	113.42	-21.37	-0.62	-1.75	-89.06	-
66.40												
150	65	818.50	-0.09	3.99e-03	-53.33	0.0	136.22	30.54	-0.30	-2.38	-0.09	-
974.11		-974.11	-99.66	1.23e-03	0.0	102.5	142.36	3.88	-0.30	-2.38	-49.88	
790.19												
						205.0	148.50	-22.79	-0.30	-2.38	-99.66	-
179.40												
150	72	817.61	55.26	3.96e-03	-53.33	0.0	126.76	30.53	-0.73	-1.47	55.26	-
974.20		-974.20	-96.21	6.64e-04	0.0	102.5	132.90	3.87	-0.73	-1.47	-20.47	
789.39												
						205.0	139.04	-22.80	-0.73	-1.47	-96.21	-
180.91												
150	80	816.34	24.65	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.65	-
983.98		-983.98	-74.57	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.96	
787.17												
						205.0	137.67	-22.72	-0.48	-1.88	-74.57	-
175.55												
150	81	816.34	24.65	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.65	-
983.98		-983.98	-74.57	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.96	
787.17												
						205.0	137.67	-22.72	-0.48	-1.88	-74.57	-
175.55												
150	82	816.34	24.65	4.10e-03	-53.33	0.0	125.39	30.61	-0.48	-1.88	24.65	-
983.98		-983.98	-74.57	3.59e-04	0.0	102.5	131.53	3.94	-0.48	-1.88	-24.96	
787.17												
						205.0	137.67	-22.72	-0.48	-1.88	-74.57	-
175.55												
151	1	791.03	92.42	7.83e-03	-69.33	0.0	297.69	30.87	-0.54	-2.44	92.42	-
618.05		-1395.60	-18.45	2.86e-04	0.0	102.5	289.71	-3.79	-0.54	-2.44	36.99	
770.20												
						205.0	281.73	-38.46	-0.54	-2.44	-18.45	-
1395.60												
151	2	608.48	71.09	6.02e-03	-53.33	0.0	228.99	23.75	-0.42	-1.87	71.09	-
475.43		-1073.54	-14.19	2.20e-04	0.0	102.5	222.85	-2.92	-0.42	-1.87	28.45	
592.46												
						205.0	216.72	-29.58	-0.42	-1.87	-14.19	-
1073.54												
151	11	608.48	71.09	6.02e-03	-53.33	0.0	228.99	23.75	-0.42	-1.87	71.09	-
475.43		-1073.54	-14.19	2.20e-04	0.0	102.5	222.85	-2.92	-0.42	-1.87	28.45	
592.46												
						205.0	216.72	-29.58	-0.42	-1.87	-14.19	-
1073.54												
151	25	555.00	49.53	5.76e-03	-53.33	0.0	157.41	21.43	-0.38	-1.55	49.53	-
328.73		-1389.48	-11.18	2.53e-04	0.0	102.5	151.27	-5.24	-0.38	-1.55	19.18	
507.84												
						205.0	145.13	-31.91	-0.38	-1.55	-11.18	-
1389.48												
151	26	677.08	92.65	6.28e-03	-53.33	0.0	300.58	26.07	-0.45	-2.19	92.65	-
622.12		-757.60	-17.20	-2.43e-04	0.0	102.5	294.44	-0.59	-0.45	-2.19	37.73	
677.08												
						205.0	288.30	-27.26	-0.45	-2.19	-17.20	-
757.60												
151	28	563.82	68.26	5.78e-03	-53.33	0.0	157.68	21.42	-0.35	-1.94	68.26	-
313.98		-1390.53	13.10	7.13e-04	0.0	102.5	151.54	-5.25	-0.35	-1.94	40.68	
514.69												
						205.0	145.40	-31.92	-0.35	-1.94	13.10	-
1390.53												
151	38	655.62	106.94	6.03e-03	-53.33	0.0	262.63	24.75	-0.10	-2.80	106.94	-
498.49		-936.14	32.46	-4.32e-04	0.0	102.5	256.49	-1.91	-0.10	-2.80	69.70	
649.63												
						205.0	250.35	-28.58	-0.10	-2.80	32.46	-

936.14												
151	39	588.75	42.37	6.18e-03	-53.33	0.0	235.90	24.08	-0.82	-0.98	42.37	-
544.52		-1029.81	-72.05	2.39e-04	0.0	102.5	229.76	-2.59	-0.82	-0.98	-14.84	
579.77						205.0	223.62	-29.25	-0.82	-0.98	-72.05	-
1029.81												
151	57	575.52	58.44	5.87e-03	-53.33	0.0	187.06	22.39	-0.40	-1.66	58.44	-
390.39		-1258.20	-13.36	2.47e-04	0.0	102.5	180.92	-4.27	-0.40	-1.66	22.54	
542.64						205.0	174.78	-30.94	-0.40	-1.66	-13.36	-
1258.20												
151	58	642.27	83.74	6.17e-03	-53.33	0.0	270.93	25.11	-0.43	-2.08	83.74	-
560.46		-888.88	-15.02	-2.14e-04	0.0	102.5	264.79	-1.56	-0.43	-2.08	34.36	
642.27						205.0	258.65	-28.23	-0.43	-2.08	-15.02	-
888.88												
151	60	580.47	69.91	5.89e-03	-53.33	0.0	187.25	22.38	-0.38	-1.92	69.91	-
380.89		-1259.10	1.96	5.56e-04	0.0	102.5	181.11	-4.28	-0.38	-1.92	35.94	
546.95						205.0	174.97	-30.95	-0.38	-1.92	1.96	-
1259.10												
151	70	637.73	92.44	6.02e-03	-53.33	0.0	249.52	24.35	-0.22	-2.48	92.44	-
487.78		-990.80	16.00	-3.30e-04	0.0	102.5	243.38	-2.31	-0.22	-2.48	54.22	
627.65						205.0	237.24	-28.98	-0.22	-2.48	16.00	-
990.80												
151	71	595.17	53.86	6.12e-03	-53.33	0.0	232.06	23.92	-0.67	-1.28	53.86	-
516.69		-1050.90	-50.90	1.87e-04	0.0	102.5	225.92	-2.74	-0.67	-1.28	1.48	
583.14						205.0	219.78	-29.41	-0.67	-1.28	-50.90	-
1050.90												
151	80	608.48	71.09	6.02e-03	-53.33	0.0	228.99	23.75	-0.42	-1.87	71.09	-
475.43		-1073.54	-14.19	2.20e-04	0.0	102.5	222.85	-2.92	-0.42	-1.87	28.45	
592.46						205.0	216.72	-29.58	-0.42	-1.87	-14.19	-
1073.54												
151	81	608.48	71.09	6.02e-03	-53.33	0.0	228.99	23.75	-0.42	-1.87	71.09	-
475.43		-1073.54	-14.19	2.20e-04	0.0	102.5	222.85	-2.92	-0.42	-1.87	28.45	
592.46						205.0	216.72	-29.58	-0.42	-1.87	-14.19	-
1073.54												
151	82	608.48	71.09	6.02e-03	-53.33	0.0	228.99	23.75	-0.42	-1.87	71.09	-
475.43		-1073.54	-14.19	2.20e-04	0.0	102.5	222.85	-2.92	-0.42	-1.87	28.45	
592.46						205.0	216.72	-29.58	-0.42	-1.87	-14.19	-
1073.54												
152	1	1061.25	96.94	5.33e-03	-69.33	0.0	163.01	39.79	0.63	2.45	-32.04	-
1279.18		-1279.18	-32.04	-4.67e-04	0.0	102.5	170.99	5.13	0.63	2.45	32.45	
1023.33						205.0	178.97	-29.54	0.63	2.45	96.94	-
228.21												
152	2	816.34	74.57	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.65	-
983.98		-983.98	-24.65	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.96	
787.17						205.0	137.67	-22.72	0.48	1.88	74.57	-
175.55												
152	11	816.34	74.57	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.65	-
983.98		-983.98	-24.65	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.96	
787.17						205.0	137.67	-22.72	0.48	1.88	74.57	-
175.55												
152	26	811.47	68.54	4.33e-03	-53.33	0.0	82.19	33.15	0.24	2.09	1.33	-
1300.65		-1300.65	1.33	-8.20e-04	0.0	102.5	88.33	6.48	0.24	2.09	34.93	

730.78													
28.33						205.0	94.47	-20.18	0.24	2.09	68.54		
152	28	843.87	82.37	3.87e-03	-53.33	0.0	173.07	28.07	0.52	2.09	-24.17	-	
667.49		-667.49	-24.17	-2.06e-04	0.0	102.5	179.21	1.41	0.52	2.09	29.10		
843.87						205.0	185.35	-25.26	0.52	2.09	82.37	-	
378.66													
152	31	811.05	66.78	4.32e-03	-53.33	0.0	77.71	33.14	0.45	1.67	-25.12	-	
1300.48		-1300.48	-25.12	-5.51e-04	0.0	102.5	83.85	6.48	0.45	1.67	20.83		
730.48						205.0	89.99	-20.19	0.45	1.67	66.78		
27.56													
152	36	821.53	115.52	3.92e-03	-53.33	0.0	146.33	30.30	0.19	2.63	14.38	-	
943.03		-943.03	14.38	-1.67e-03	0.0	102.5	152.47	3.63	0.19	2.63	64.95		
796.34						205.0	158.61	-23.03	0.19	2.63	115.52	-	
198.18													
152	45	820.35	109.66	3.88e-03	-53.33	0.0	131.39	30.28	0.89	1.25	-73.79	-	
942.45		-942.45	-73.79	-7.72e-04	0.0	102.5	137.53	3.62	0.89	1.25	17.94		
795.35						205.0	143.67	-23.05	0.89	1.25	109.66	-	
200.74													
152	60	830.51	78.68	3.97e-03	-53.33	0.0	153.30	29.13	0.50	2.02	-23.53	-	
798.77		-798.77	-23.53	-2.47e-04	0.0	102.5	159.44	2.46	0.50	2.02	27.58		
820.35						205.0	165.58	-24.21	0.50	2.02	78.68	-	
294.42													
152	63	807.64	70.47	4.22e-03	-53.33	0.0	97.48	32.09	0.47	1.75	-25.77	-	
1169.20		-1169.20	-25.77	-4.91e-04	0.0	102.5	103.62	5.43	0.47	1.75	22.35		
754.00						205.0	109.76	-21.24	0.47	1.75	70.47	-	
56.68													
152	68	819.31	99.82	3.99e-03	-53.33	0.0	137.79	30.45	0.31	2.38	-0.50	-	
963.30		-963.30	-0.50	-1.22e-03	0.0	102.5	143.93	3.79	0.31	2.38	49.66		
792.11						205.0	150.07	-22.88	0.31	2.38	99.82	-	
186.37													
152	77	818.42	96.37	3.96e-03	-53.33	0.0	128.33	30.45	0.74	1.47	-55.86	-	
963.39		-963.39	-55.86	-6.53e-04	0.0	102.5	134.47	3.78	0.74	1.47	20.26		
791.31						205.0	140.61	-22.88	0.74	1.47	96.37	-	
187.87													
152	80	816.34	74.57	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.65	-	
983.98		-983.98	-24.65	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.96		
787.17						205.0	137.67	-22.72	0.48	1.88	74.57	-	
175.55													
152	81	816.34	74.57	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.65	-	
983.98		-983.98	-24.65	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.96		
787.17						205.0	137.67	-22.72	0.48	1.88	74.57	-	
175.55													
152	82	816.34	74.57	4.10e-03	-53.33	0.0	125.39	30.61	0.48	1.88	-24.65	-	
983.98		-983.98	-24.65	-3.59e-04	0.0	102.5	131.53	3.94	0.48	1.88	24.96		
787.17						205.0	137.67	-22.72	0.48	1.88	74.57	-	
175.55													
153	1	1153.15	8.94	0.02	-69.33	0.0	-112.52	13.77	0.48	2.45	-90.45		
873.72		-3410.75	-90.45	-3.23e-04	0.0	102.5	-120.50	-20.90	0.48	2.45	-40.76		
508.33						205.0	-128.48	-55.56	0.48	2.45	8.94	-	
3410.75													
153	2	887.04	6.87	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.58		

672.09												
391.03		-2623.65	-69.58	-2.48e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.35	
2623.65						205.0	-98.83	-42.74	0.37	1.88	6.87	-
153	11	887.04	6.87	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.58	
672.09		-2623.65	-69.58	-2.48e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.35	
391.03						205.0	-98.83	-42.74	0.37	1.88	6.87	-
2623.65												
153	17	946.71	5.91	0.01	-53.33	0.0	-156.55	8.53	0.39	2.11	-75.62	
812.73		-2914.83	-75.62	-4.13e-04	0.0	102.5	-162.69	-18.14	0.39	2.11	-34.85	
315.76						205.0	-168.83	-44.80	0.39	2.11	5.91	-
2914.83												
153	21	943.19	4.73	0.01	-53.33	0.0	-163.30	8.35	0.37	1.93	-70.94	
814.32		-2940.49	-70.94	-5.46e-04	0.0	102.5	-169.44	-18.31	0.37	1.93	-33.11	
303.72						205.0	-175.58	-44.98	0.37	1.93	4.73	-
2940.49												
153	22	845.80	9.02	0.02	-53.33	0.0	-9.80	12.83	0.38	1.83	-68.21	
529.86		-2306.81	-68.21	2.63e-04	0.0	102.5	-15.94	-13.84	0.38	1.83	-29.60	
478.33						205.0	-22.07	-40.50	0.38	1.83	9.02	-
2306.81												
153	35	890.23	41.99	0.02	-53.33	0.0	-53.79	11.49	0.74	2.81	-113.31	
645.99		-2493.56	-113.31	-9.57e-04	0.0	102.5	-59.93	-15.17	0.74	2.81	-35.66	
443.03						205.0	-66.07	-41.84	0.74	2.81	41.99	-
2493.56												
153	49	922.02	6.78	0.01	-53.33	0.0	-127.07	9.39	0.39	2.03	-74.19	
754.09		-2792.41	-74.19	-3.66e-04	0.0	102.5	-133.21	-17.27	0.39	2.03	-33.71	
347.65						205.0	-139.35	-43.94	0.39	2.03	6.78	-
2792.41												
153	53	919.90	6.25	0.01	-53.33	0.0	-131.47	9.28	0.38	1.91	-70.94	
755.32		-2809.06	-70.94	-4.55e-04	0.0	102.5	-137.61	-17.38	0.38	1.91	-32.34	
339.94						205.0	-143.75	-44.05	0.38	1.91	6.25	-
2809.06												
153	54	857.19	7.50	0.02	-53.33	0.0	-41.63	11.90	0.37	1.85	-68.22	
588.86		-2438.24	-68.22	2.32e-04	0.0	102.5	-47.77	-14.76	0.37	1.85	-30.36	
442.11						205.0	-53.91	-41.43	0.37	1.85	7.50	-
2438.24												
153	67	889.78	28.23	0.02	-53.33	0.0	-66.81	11.13	0.60	2.50	-97.96	
657.50		-2545.79	-97.96	-7.23e-04	0.0	102.5	-72.95	-15.54	0.60	2.50	-34.86	
422.66						205.0	-79.09	-42.20	0.60	2.50	28.23	-
2545.79												
153	80	887.04	6.87	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.58	
672.09		-2623.65	-69.58	-2.48e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.35	
391.03						205.0	-98.83	-42.74	0.37	1.88	6.87	-
2623.65												
153	81	887.04	6.87	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.58	
672.09		-2623.65	-69.58	-2.48e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.35	
391.03						205.0	-98.83	-42.74	0.37	1.88	6.87	-
2623.65												
153	82	887.04	6.87	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.58	
672.09		-2623.65	-69.58	-2.48e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.35	
391.03						205.0	-98.83	-42.74	0.37	1.88	6.87	-

2623.65												
154	1	1217.35	28.85	0.02	-69.33	0.0	665.02	28.75	-0.52	-2.46	28.85	-
1.23		-1213.83	-76.96	4.00e-04	0.0	102.5	673.00	-5.91	-0.52	-2.46	-24.05	
1169.32						205.0	680.98	-40.58	-0.52	-2.46	-76.96	-
1213.83												
154	2	936.42	22.20	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.20	-
0.94		-933.72	-59.20	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.50	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.20	-
933.72												
154	11	936.42	22.20	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.20	-
0.94		-933.72	-59.20	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.50	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.20	-
933.72												
154	21	1032.06	18.64	0.01	-53.33	0.0	546.33	19.92	-0.38	-2.01	18.64	-
269.22		-1113.54	-60.31	2.18e-04	0.0	102.5	552.47	-6.74	-0.38	-2.01	-20.84	
944.64						205.0	558.61	-33.41	-0.38	-2.01	-60.31	-
1113.54												
154	22	863.13	25.75	0.01	-53.33	0.0	476.77	24.31	-0.41	-1.77	25.75	-
271.10		-753.89	-58.10	4.12e-04	0.0	102.5	482.91	-2.35	-0.41	-1.77	-16.17	
854.31						205.0	489.05	-29.02	-0.41	-1.77	-58.10	-
753.89												
154	32	972.94	83.37	0.01	-53.33	0.0	517.80	21.19	-0.87	-1.00	83.37	-
112.62		-1010.21	-97.29	-6.67e-04	0.0	102.5	523.94	-5.48	-0.87	-1.00	-6.96	
918.01						205.0	530.07	-32.14	-0.87	-1.00	-97.29	-
1010.21												
154	53	989.99	19.36	0.01	-53.33	0.0	531.89	20.83	-0.38	-1.97	19.36	-
157.13		-1038.93	-59.27	2.38e-04	0.0	102.5	538.03	-5.83	-0.38	-1.97	-19.96	
925.90						205.0	544.17	-32.50	-0.38	-1.97	-59.27	-
1038.93												
154	54	893.54	25.03	0.01	-53.33	0.0	491.21	23.40	-0.41	-1.81	25.03	-
159.01		-828.50	-59.13	3.85e-04	0.0	102.5	497.35	-3.27	-0.41	-1.81	-17.05	
873.05						205.0	503.49	-29.93	-0.41	-1.81	-59.13	-
828.50												
154	64	956.02	62.17	0.01	-53.33	0.0	515.08	21.56	-0.70	-1.30	62.17	-
67.25		-979.71	-83.08	-3.65e-04	0.0	102.5	521.22	-5.11	-0.70	-1.30	-10.46	
910.58						205.0	527.36	-31.77	-0.70	-1.30	-83.08	-
979.71												
154	80	936.42	22.20	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.20	-
0.94		-933.72	-59.20	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.50	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.20	-
933.72												
154	81	936.42	22.20	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.20	-
0.94		-933.72	-59.20	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.50	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.20	-
933.72												
154	82	936.42	22.20	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.20	-
0.94		-933.72	-59.20	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.50	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.20	-
933.72												
155	1	1153.15	90.45	0.02	-69.33	0.0	-112.52	13.77	-0.48	-2.45	90.45	-
873.72		-3410.75	-8.94	3.23e-04	0.0	102.5	-120.50	-20.90	-0.48	-2.45	40.76	

508.33												
						205.0	-128.48	-55.56	-0.48	-2.45	-8.94	-
3410.75												
155	2	887.04	69.58	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.58	
672.09												
		-2623.65	-6.87	2.48e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.35	
391.03												
						205.0	-98.83	-42.74	-0.37	-1.88	-6.87	-
2623.65												
155	11	887.04	69.58	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.58	
672.09												
		-2623.65	-6.87	2.48e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.35	
391.03												
						205.0	-98.83	-42.74	-0.37	-1.88	-6.87	-
2623.65												
155	16	938.27	87.86	0.01	-53.33	0.0	-148.72	8.80	-0.53	-2.21	87.86	
793.89												
		-2878.22	-22.60	5.01e-04	0.0	102.5	-154.86	-17.87	-0.53	-2.21	32.63	
324.64												
						205.0	-161.00	-44.53	-0.53	-2.21	-22.60	-
2878.22												
155	20	934.74	83.18	0.01	-53.33	0.0	-155.47	8.62	-0.51	-2.03	83.18	
795.47												
		-2903.88	-21.42	6.34e-04	0.0	102.5	-161.61	-18.04	-0.51	-2.03	30.88	
312.60												
						205.0	-167.75	-44.71	-0.51	-2.03	-21.42	-
2903.88												
155	23	850.78	55.97	0.02	-53.33	0.0	-17.63	12.56	-0.24	-1.73	55.97	
548.70												
		-2343.42	7.67	-3.19e-04	0.0	102.5	-23.76	-14.11	-0.24	-1.73	31.82	
469.45												
						205.0	-29.90	-40.77	-0.24	-1.73	7.67	-
2343.42												
155	32	920.04	113.09	0.01	-53.33	0.0	-95.38	10.29	-0.73	-2.81	113.09	
722.09												
		-2664.32	-40.67	9.57e-04	0.0	102.5	-101.52	-16.37	-0.73	-2.81	36.21	
395.69												
						205.0	-107.66	-43.04	-0.73	-2.81	-40.67	-
2664.32												
155	48	917.08	80.89	0.01	-53.33	0.0	-122.48	9.55	-0.47	-2.09	80.89	
743.05												
		-2770.94	-16.06	4.11e-04	0.0	102.5	-128.62	-17.11	-0.47	-2.09	32.42	
352.86												
						205.0	-134.76	-43.78	-0.47	-2.09	-16.06	-
2770.94												
155	52	914.95	77.63	0.01	-53.33	0.0	-126.87	9.44	-0.45	-1.97	77.63	
744.28												
		-2787.60	-15.53	5.00e-04	0.0	102.5	-133.01	-17.23	-0.45	-1.97	31.05	
345.15												
						205.0	-139.15	-43.89	-0.45	-1.97	-15.53	-
2787.60												
155	55	860.11	61.53	0.02	-53.33	0.0	-46.23	11.74	-0.29	-1.79	61.53	
599.90												
		-2459.70	1.78	-2.56e-04	0.0	102.5	-52.36	-14.92	-0.29	-1.79	31.65	
436.91												
						205.0	-58.50	-41.59	-0.29	-1.79	1.78	-
2459.70												
155	64	907.11	97.82	0.02	-53.33	0.0	-91.00	10.43	-0.60	-2.50	97.82	
701.74												
		-2645.09	-27.44	7.23e-04	0.0	102.5	-97.14	-16.24	-0.60	-2.50	35.19	
395.13												
						205.0	-103.28	-42.90	-0.60	-2.50	-27.44	-
2645.09												
155	80	887.04	69.58	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.58	
672.09												
		-2623.65	-6.87	2.48e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.35	
391.03												
						205.0	-98.83	-42.74	-0.37	-1.88	-6.87	-
2623.65												
155	81	887.04	69.58	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.58	
672.09												
		-2623.65	-6.87	2.48e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.35	
391.03												
						205.0	-98.83	-42.74	-0.37	-1.88	-6.87	-
2623.65												
155	82	887.04	69.58	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.58	

672.09												
391.03		-2623.65	-6.87	2.48e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.35	
2623.65						205.0	-98.83	-42.74	-0.37	-1.88	-6.87	-
156	1	1217.35	76.96	0.02	-69.33	0.0	665.02	28.75	0.52	2.46	-28.85	-
1.23		-1213.83	-28.85	-4.00e-04	0.0	102.5	673.00	-5.91	0.52	2.46	24.05	
1169.32						205.0	680.98	-40.58	0.52	2.46	76.96	-
1213.83												
156	2	936.42	59.20	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.20	-
0.94		-933.72	-22.20	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.50	
899.48						205.0	523.83	-31.21	0.40	1.89	59.20	-
933.72												
156	11	936.42	59.20	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.20	-
0.94		-933.72	-22.20	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.50	
899.48						205.0	523.83	-31.21	0.40	1.89	59.20	-
933.72												
156	20	1020.19	44.28	0.01	-53.33	0.0	540.87	20.17	0.25	2.07	-4.65	-
238.17		-1093.45	-4.65	-2.41e-04	0.0	102.5	547.01	-6.49	0.25	2.07	19.82	
939.17						205.0	553.15	-33.16	0.25	2.07	44.28	-
1093.45												
156	28	1015.30	55.26	0.01	-53.33	0.0	540.88	20.28	0.33	2.02	-12.63	-
224.53		-1083.76	-12.63	-2.54e-04	0.0	102.5	547.02	-6.38	0.33	2.02	21.31	
937.19						205.0	553.16	-33.05	0.33	2.02	55.26	-
1083.76												
156	31	875.24	63.15	0.01	-53.33	0.0	482.22	23.95	0.47	1.76	-31.76	-
226.41		-783.67	-31.76	-3.71e-04	0.0	102.5	488.36	-2.72	0.47	1.76	15.70	
861.77						205.0	494.50	-29.38	0.47	1.76	63.15	-
783.67												
156	35	927.37	96.27	0.01	-53.33	0.0	499.38	22.37	0.86	1.00	-83.07	-
33.10		-913.07	-83.07	6.67e-04	0.0	102.5	505.52	-4.29	0.86	1.00	6.60	
893.72						205.0	511.66	-30.96	0.86	1.00	96.27	-
913.07												
156	52	983.03	50.27	0.01	-53.33	0.0	528.70	20.98	0.31	2.01	-11.64	-
138.92		-1027.15	-11.64	-2.58e-04	0.0	102.5	534.84	-5.69	0.31	2.01	19.31	
922.69						205.0	540.97	-32.35	0.31	2.01	50.27	-
1027.15												
156	55	898.62	68.14	0.01	-53.33	0.0	494.41	23.25	0.49	1.77	-32.75	-
140.81		-840.29	-32.75	-3.61e-04	0.0	102.5	500.54	-3.41	0.49	1.77	17.69	
876.26						205.0	506.68	-30.08	0.49	1.77	68.14	-
840.29												
156	67	931.71	82.48	0.01	-53.33	0.0	504.37	22.25	0.70	1.30	-61.99	-
17.49		-923.22	-61.99	3.65e-04	0.0	102.5	510.51	-4.42	0.70	1.30	10.24	
896.46						205.0	516.65	-31.08	0.70	1.30	82.48	-
923.22												
156	80	936.42	59.20	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.20	-
0.94		-933.72	-22.20	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.50	
899.48						205.0	523.83	-31.21	0.40	1.89	59.20	-
933.72												
156	81	936.42	59.20	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.20	-
0.94		-933.72	-22.20	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.50	
899.48						205.0	523.83	-31.21	0.40	1.89	59.20	-

933.72													
156	82	936.42	59.20	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.20	-	
0.94		-933.72	-22.20	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.50		
899.48						205.0	523.83	-31.21	0.40	1.89	59.20	-	
933.72													
157	1	1153.16	8.95	0.02	-69.33	0.0	-112.52	13.77	0.49	2.45	-90.50		
873.74		-3410.77	-90.50	-3.23e-04	0.0	102.5	-120.50	-20.90	0.49	2.45	-40.78		
508.34						205.0	-128.48	-55.56	0.49	2.45	8.95	-	
3410.77													
157	2	887.05	6.89	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.62		
672.10		-2623.67	-69.62	-2.49e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.37		
391.03						205.0	-98.83	-42.74	0.37	1.88	6.89	-	
2623.67													
157	11	887.05	6.89	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.62		
672.10		-2623.67	-69.62	-2.49e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.37		
391.03						205.0	-98.83	-42.74	0.37	1.88	6.89	-	
2623.67													
157	25	937.78	22.48	0.01	-53.33	0.0	-148.66	8.80	0.53	2.21	-87.86		
793.16		-2877.65	-87.86	-5.03e-04	0.0	102.5	-154.80	-17.86	0.53	2.21	-32.69		
324.56						205.0	-160.94	-44.53	0.53	2.21	22.48	-	
2877.65													
157	29	934.27	21.34	0.01	-53.33	0.0	-155.42	8.63	0.51	2.03	-83.19		
794.76		-2903.33	-83.19	-6.34e-04	0.0	102.5	-161.56	-18.04	0.51	2.03	-30.93		
312.53						205.0	-167.70	-44.70	0.51	2.03	21.34	-	
2903.33													
157	30	851.19	-7.57	0.02	-53.33	0.0	-17.68	12.55	0.24	1.73	-56.04		
549.45		-2344.01	-56.04	3.19e-04	0.0	102.5	-23.82	-14.11	0.24	1.73	-31.80		
469.53						205.0	-29.96	-40.78	0.24	1.73	-7.57	-	
2344.01													
157	37	919.86	40.56	0.01	-53.33	0.0	-95.37	10.29	0.73	2.81	-113.09		
721.84		-2664.18	-113.09	-9.59e-04	0.0	102.5	-101.50	-16.37	0.73	2.81	-36.27		
395.64						205.0	-107.64	-43.04	0.73	2.81	40.56	-	
2664.18													
157	57	916.80	15.99	0.01	-53.33	0.0	-122.45	9.56	0.47	2.10	-80.91		
742.64		-2770.63	-80.91	-4.12e-04	0.0	102.5	-128.59	-17.11	0.47	2.10	-32.46		
352.81						205.0	-134.73	-43.77	0.47	2.10	15.99	-	
2770.63													
157	61	914.68	15.49	0.01	-53.33	0.0	-126.85	9.44	0.45	1.98	-77.65		
743.88		-2787.28	-77.65	-5.01e-04	0.0	102.5	-132.98	-17.22	0.45	1.98	-31.08		
345.10						205.0	-139.12	-43.89	0.45	1.98	15.49	-	
2787.28													
157	62	860.34	-1.71	0.02	-53.33	0.0	-46.26	11.74	0.29	1.79	-61.58		
600.33		-2460.05	-61.58	2.56e-04	0.0	102.5	-52.40	-14.93	0.29	1.79	-31.65		
436.95						205.0	-58.53	-41.59	0.29	1.79	-1.71	-	
2460.05													
157	69	907.02	27.39	0.02	-53.33	0.0	-90.99	10.43	0.60	2.50	-97.85		
701.61		-2645.01	-97.85	-7.24e-04	0.0	102.5	-97.13	-16.23	0.60	2.50	-35.23		
395.11						205.0	-103.27	-42.90	0.60	2.50	27.39	-	
2645.01													
157	80	887.05	6.89	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.62		
672.10		-2623.67	-69.62	-2.49e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.37		

391.03													
2623.67						205.0	-98.83	-42.74	0.37	1.88	6.89	-	
157	81	887.05	6.89	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.62		
672.10		-2623.67	-69.62	-2.49e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.37		
391.03													
2623.67						205.0	-98.83	-42.74	0.37	1.88	6.89	-	
157	82	887.05	6.89	0.02	-53.33	0.0	-86.55	10.59	0.37	1.88	-69.62		
672.10		-2623.67	-69.62	-2.49e-04	0.0	102.5	-92.69	-16.07	0.37	1.88	-31.37		
391.03													
2623.67						205.0	-98.83	-42.74	0.37	1.88	6.89	-	
158	1	1217.34	28.85	0.02	-69.33	0.0	665.01	28.75	-0.52	-2.46	28.85	-	
1.25		-1213.81	-76.98	4.00e-04	0.0	102.5	672.99	-5.91	-0.52	-2.46	-24.06		
1169.32													
1213.81						205.0	680.97	-40.58	-0.52	-2.46	-76.98	-	
158	2	936.42	22.19	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.19	-	
0.96		-933.70	-59.22	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.51		
899.48													
933.70						205.0	523.83	-31.21	-0.40	-1.89	-59.22	-	
158	11	936.42	22.19	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.19	-	
0.96		-933.70	-59.22	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.51		
899.48													
933.70						205.0	523.83	-31.21	-0.40	-1.89	-59.22	-	
158	21	1015.13	12.67	0.01	-53.33	0.0	540.70	20.29	-0.33	-2.02	12.67		
224.10		-1083.49	-55.55	2.55e-04	0.0	102.5	546.84	-6.38	-0.33	-2.02	-21.44		
937.11													
1083.49						205.0	552.98	-33.04	-0.33	-2.02	-55.55	-	
158	22	875.36	31.71	0.01	-53.33	0.0	482.40	23.94	-0.47	-1.76	31.71	-	
226.01		-783.90	-62.89	3.69e-04	0.0	102.5	488.54	-2.72	-0.47	-1.76	-15.59		
861.85													
783.90						205.0	494.68	-29.39	-0.47	-1.76	-62.89	-	
158	29	1019.97	4.59	0.01	-53.33	0.0	540.60	20.17	-0.25	-2.07	4.59		
237.60		-1093.11	-44.41	2.41e-04	0.0	102.5	546.74	-6.49	-0.25	-2.07	-19.91		
939.05													
1093.11						205.0	552.88	-33.15	-0.25	-2.07	-44.41	-	
158	38	927.41	83.08	0.01	-53.33	0.0	499.48	22.37	-0.86	-1.00	83.08	-	
32.96		-913.13	-96.19	-6.65e-04	0.0	102.5	505.62	-4.29	-0.86	-1.00	-6.56		
893.76													
913.13						205.0	511.76	-30.96	-0.86	-1.00	-96.19	-	
158	61	982.90	11.61	0.01	-53.33	0.0	528.54	20.98	-0.31	-2.01	11.61		
138.59		-1026.94	-50.35	2.58e-04	0.0	102.5	534.68	-5.68	-0.31	-2.01	-19.37		
922.63													
1026.94						205.0	540.82	-32.35	-0.31	-2.01	-50.35	-	
158	62	898.72	32.78	0.01	-53.33	0.0	494.56	23.25	-0.49	-1.77	32.78	-	
140.50		-840.45	-68.08	3.61e-04	0.0	102.5	500.70	-3.41	-0.49	-1.77	-17.65		
876.33													
840.45						205.0	506.84	-30.08	-0.49	-1.77	-68.08	-	
158	70	931.73	62.00	0.01	-53.33	0.0	504.43	22.25	-0.70	-1.30	62.00	-	
17.41		-923.25	-82.44	-3.64e-04	0.0	102.5	510.57	-4.42	-0.70	-1.30	-10.22		
896.48													
923.25						205.0	516.71	-31.08	-0.70	-1.30	-82.44	-	
158	80	936.42	22.19	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.19	-	

0.96												
899.48		-933.70	-59.22	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.51	
933.70						205.0	523.83	-31.21	-0.40	-1.89	-59.22	-
158	81	936.42	22.19	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.19	-
0.96		-933.70	-59.22	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.51	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.22	-
933.70												
158	82	936.42	22.19	0.01	-53.33	0.0	511.55	22.12	-0.40	-1.89	22.19	-
0.96		-933.70	-59.22	3.08e-04	0.0	102.5	517.69	-4.55	-0.40	-1.89	-18.51	
899.48						205.0	523.83	-31.21	-0.40	-1.89	-59.22	-
933.70												
159	1	1153.16	90.50	0.02	-69.33	0.0	-112.52	13.77	-0.49	-2.45	90.50	
873.74		-3410.77	-8.95	3.23e-04	0.0	102.5	-120.50	-20.90	-0.49	-2.45	40.78	
508.34						205.0	-128.48	-55.56	-0.49	-2.45	-8.95	-
3410.77												
159	2	887.05	69.62	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.62	
672.10		-2623.67	-6.89	2.49e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.37	
391.03						205.0	-98.83	-42.74	-0.37	-1.88	-6.89	-
2623.67												
159	11	887.05	69.62	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.62	
672.10		-2623.67	-6.89	2.49e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.37	
391.03						205.0	-98.83	-42.74	-0.37	-1.88	-6.89	-
2623.67												
159	24	946.59	75.78	0.01	-53.33	0.0	-156.51	8.53	-0.40	-2.11	75.78	
812.53		-2914.61	-6.11	4.12e-04	0.0	102.5	-162.65	-18.14	-0.40	-2.11	34.84	
315.77						205.0	-168.79	-44.80	-0.40	-2.11	-6.11	-
2914.61												
159	28	943.07	71.12	0.01	-53.33	0.0	-163.27	8.35	-0.37	-1.93	71.12	
814.12		-2940.28	-4.97	5.43e-04	0.0	102.5	-169.41	-18.31	-0.37	-1.93	33.07	
303.73						205.0	-175.55	-44.98	-0.37	-1.93	-4.97	-
2940.28												
159	31	845.91	68.12	0.02	-53.33	0.0	-9.83	12.83	-0.37	-1.83	68.12	
530.09		-2307.05	-8.80	-2.62e-04	0.0	102.5	-15.97	-13.84	-0.37	-1.83	29.66	
478.32						205.0	-22.11	-40.50	-0.37	-1.83	-8.80	-
2307.05												
159	38	890.27	113.29	0.02	-53.33	0.0	-53.80	11.49	-0.73	-2.81	113.29	
646.07		-2493.63	-41.85	9.59e-04	0.0	102.5	-59.94	-15.17	-0.73	-2.81	35.72	
443.03						205.0	-66.08	-41.84	-0.73	-2.81	-41.85	-
2493.63												
159	56	921.96	74.31	0.01	-53.33	0.0	-127.05	9.40	-0.39	-2.03	74.31	
753.98		-2792.29	-6.90	3.66e-04	0.0	102.5	-133.19	-17.27	-0.39	-2.03	33.71	
347.66						205.0	-139.33	-43.93	-0.39	-2.03	-6.90	-
2792.29												
159	60	919.83	71.06	0.01	-53.33	0.0	-131.45	9.28	-0.38	-1.91	71.06	
755.21		-2808.94	-6.40	4.54e-04	0.0	102.5	-137.59	-17.38	-0.38	-1.91	32.33	
339.94						205.0	-143.73	-44.05	-0.38	-1.91	-6.40	-
2808.94												
159	63	857.26	68.18	0.02	-53.33	0.0	-41.65	11.90	-0.37	-1.85	68.18	
589.00		-2438.39	-7.38	-2.31e-04	0.0	102.5	-47.79	-14.77	-0.37	-1.85	30.40	
442.11						205.0	-53.93	-41.43	-0.37	-1.85	-7.38	-

2438.39												
159	70	889.81	97.97	0.02	-53.33	0.0	-66.82	11.13	-0.60	-2.50	97.97	
657.55		-2545.84	-28.17	7.24e-04	0.0	102.5	-72.96	-15.54	-0.60	-2.50	34.90	
422.66						205.0	-79.10	-42.20	-0.60	-2.50	-28.17	-
2545.84												
159	80	887.05	69.62	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.62	
672.10		-2623.67	-6.89	2.49e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.37	
391.03						205.0	-98.83	-42.74	-0.37	-1.88	-6.89	-
2623.67												
159	81	887.05	69.62	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.62	
672.10		-2623.67	-6.89	2.49e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.37	
391.03						205.0	-98.83	-42.74	-0.37	-1.88	-6.89	-
2623.67												
159	82	887.05	69.62	0.02	-53.33	0.0	-86.55	10.59	-0.37	-1.88	69.62	
672.10		-2623.67	-6.89	2.49e-04	0.0	102.5	-92.69	-16.07	-0.37	-1.88	31.37	
391.03						205.0	-98.83	-42.74	-0.37	-1.88	-6.89	-
2623.67												
160	1	1217.34	76.98	0.02	-69.33	0.0	665.01	28.75	0.52	2.46	-28.85	-
1.25		-1213.81	-28.85	-4.00e-04	0.0	102.5	672.99	-5.91	0.52	2.46	24.06	
1169.32						205.0	680.97	-40.58	0.52	2.46	76.98	-
1213.81												
160	2	936.42	59.22	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.19	-
0.96		-933.70	-22.19	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.51	
899.48						205.0	523.83	-31.21	0.40	1.89	59.22	-
933.70												
160	11	936.42	59.22	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.19	-
0.96		-933.70	-22.19	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.51	
899.48						205.0	523.83	-31.21	0.40	1.89	59.22	-
933.70												
160	28	1031.97	60.13	0.01	-53.33	0.0	546.26	19.92	0.38	2.01	-18.48	
268.99		-1113.40	-18.48	-2.19e-04	0.0	102.5	552.39	-6.74	0.38	2.01	20.82	
944.60						205.0	558.53	-33.41	0.38	2.01	60.13	-
1113.40												
160	31	863.19	58.31	0.01	-53.33	0.0	476.84	24.31	0.41	1.77	-25.91	-
270.91		-754.00	-25.91	-4.11e-04	0.0	102.5	482.98	-2.36	0.41	1.77	16.20	
854.36						205.0	489.12	-29.02	0.41	1.77	58.31	-
754.00												
160	37	972.91	97.19	0.01	-53.33	0.0	517.78	21.19	0.87	1.00	-83.31	
112.54		-1010.15	-83.31	6.65e-04	0.0	102.5	523.92	-5.48	0.87	1.00	6.94	
918.00						205.0	530.06	-32.14	0.87	1.00	97.19	-
1010.15												
160	60	989.93	59.17	0.01	-53.33	0.0	531.85	20.83	0.38	1.97	-19.26	
156.99		-1038.84	-19.26	-2.38e-04	0.0	102.5	537.99	-5.83	0.38	1.97	19.95	
925.88						205.0	544.13	-32.50	0.38	1.97	59.17	-
1038.84												
160	63	893.57	59.26	0.01	-53.33	0.0	491.25	23.40	0.41	1.81	-25.13	-
158.91		-828.55	-25.13	-3.85e-04	0.0	102.5	497.39	-3.27	0.41	1.81	17.07	
873.08						205.0	503.53	-29.93	0.41	1.81	59.26	-
828.55												
160	69	956.01	83.04	0.01	-53.33	0.0	515.07	21.56	0.70	1.30	-62.14	
67.20		-979.66	-62.14	3.64e-04	0.0	102.5	521.21	-5.11	0.70	1.30	10.45	

910.57							205.0	527.34	-31.77	0.70	1.30	83.04	-
979.66													
160	80	936.42	59.22	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.19	-	
0.96		-933.70	-22.19	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.51	-	
899.48							205.0	523.83	-31.21	0.40	1.89	59.22	-
933.70													
160	81	936.42	59.22	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.19	-	
0.96		-933.70	-22.19	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.51	-	
899.48							205.0	523.83	-31.21	0.40	1.89	59.22	-
933.70													
160	82	936.42	59.22	0.01	-53.33	0.0	511.55	22.12	0.40	1.89	-22.19	-	
0.96		-933.70	-22.19	-3.08e-04	0.0	102.5	517.69	-4.55	0.40	1.89	18.51	-	
899.48							205.0	523.83	-31.21	0.40	1.89	59.22	-
933.70													
161	1	2.847e+04	4.28	-0.02	-2294.16	0.0	-684.85	1120.98	-0.03	-0.14	4.28	-	
2.622e+04		-3.143e+04	-2.43	2.50e-06	0.0	99.9	-684.85	-26.10	-0.03	-0.14	0.93	-	
2.847e+04							199.8	-684.85	-1173.18	-0.03	-0.14	-2.43	-
3.143e+04													
161	2	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-	
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	-	
2.190e+04							199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04													
161	11	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-	
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	-	
2.190e+04							199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04													
161	16	2.210e+04	19.54	-0.01	-1764.74	0.0	-565.52	861.14	0.20	-0.20	-14.72	-	
1.985e+04		-2.410e+04	-14.72	-2.38e-04	0.0	99.9	-565.52	-21.23	0.20	-0.20	2.41	-	
2.210e+04							199.8	-565.52	-903.60	0.20	-0.20	19.54	-
2.410e+04													
161	19	2.171e+04	21.31	-0.01	-1764.74	0.0	-488.10	863.45	-0.25	-0.02	21.31	-	
2.048e+04		-2.426e+04	-23.28	2.42e-04	0.0	99.9	-488.10	-18.92	-0.25	-0.02	-0.99	-	
2.171e+04							199.8	-488.10	-901.29	-0.25	-0.02	-23.28	-
2.426e+04													
161	21	2.211e+04	268.49	-0.01	-1764.74	0.0	-562.27	861.38	-2.47	0.09	268.49	-	
1.988e+04		-2.406e+04	-234.22	-3.14e-05	0.0	99.9	-562.27	-20.99	-2.47	0.09	17.14	-	
2.211e+04							199.8	-562.27	-903.36	-2.47	0.09	-234.22	-
2.406e+04													
161	30	2.175e+04	131.59	-0.01	-1764.74	0.0	-502.78	862.57	1.30	-0.20	-105.59	-	
2.035e+04		-2.431e+04	-105.59	8.33e-05	0.0	99.9	-502.78	-19.80	1.30	-0.20	13.00	-	
2.175e+04							199.8	-502.78	-902.17	1.30	-0.20	131.59	-
2.431e+04													
161	41	2.199e+04	549.35	-0.01	-1764.74	0.0	-532.99	862.48	-5.34	0.34	549.35	-	
2.012e+04		-2.407e+04	-528.20	-8.56e-05	0.0	99.9	-532.99	-19.90	-5.34	0.34	10.57	-	
2.199e+04							199.8	-532.99	-902.27	-5.34	0.34	-528.20	-
2.407e+04													
161	42	2.182e+04	524.47	-0.01	-1764.74	0.0	-520.63	862.11	5.29	-0.56	-542.77	-	
2.022e+04		-2.429e+04	-542.77	8.94e-05	0.0	99.9	-520.63	-20.26	5.29	-0.56	-9.15	-	
2.182e+04							199.8	-520.63	-902.63	5.29	-0.56	524.47	-
2.429e+04													
161	48	2.202e+04	18.59	-0.01	-1764.74	0.0	-549.47	861.62	0.19	-0.17	-16.15	-	

1.998e+04												
2.202e+04		-2.413e+04	-16.15	-1.69e-04	0.0	99.9	-549.47	-20.75	0.19	-0.17	1.22	
2.413e+04						199.8	-549.47	-903.12	0.19	-0.17	18.59	-
161	51	2.179e+04	22.74	-0.01	-1764.74	0.0	-504.15	862.97	-0.24	-0.04	22.74	-
2.035e+04		-2.422e+04	-22.32	1.73e-04	0.0	99.9	-504.15	-19.40	-0.24	-0.04	0.21	
2.179e+04						199.8	-504.15	-901.77	-0.24	-0.04	-22.32	-
2.422e+04												
161	53	2.202e+04	163.47	-0.01	-1764.74	0.0	-547.38	861.77	-1.51	0.01	163.47	-
2.000e+04		-2.411e+04	-144.00	-1.97e-05	0.0	99.9	-547.38	-20.60	-1.51	0.01	9.73	
2.202e+04						199.8	-547.38	-902.97	-1.51	0.01	-144.00	-
2.411e+04												
161	62	2.182e+04	85.56	-0.01	-1764.74	0.0	-513.42	862.44	0.83	-0.16	-68.80	-
2.027e+04		-2.426e+04	-68.80	4.00e-05	0.0	99.9	-513.42	-19.93	0.83	-0.16	8.38	
2.182e+04						199.8	-513.42	-902.30	0.83	-0.16	85.56	-
2.426e+04												
161	73	2.195e+04	346.64	-0.01	-1764.74	0.0	-530.21	862.43	-3.41	0.17	346.64	-
2.014e+04		-2.411e+04	-340.35	-5.06e-05	0.0	99.9	-530.21	-19.94	-3.41	0.17	3.15	
2.195e+04						199.8	-530.21	-902.31	-3.41	0.17	-340.35	-
2.411e+04												
161	80	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	
2.190e+04						199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04												
161	81	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	
2.190e+04						199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04												
161	82	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	
2.190e+04						199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04												
162	1	2.364e+04	0.25	-6.56e-03	-2294.28	0.0	-698.30	1105.03	7.40e-03	-0.02	-1.22	-
2.946e+04		-3.787e+04	-1.22	0.0	0.0	99.9	-698.30	-42.11	7.40e-03	-0.02	-0.48	
2.364e+04						199.8	-698.30	-1189.25	7.40e-03	-0.02	0.25	-
3.787e+04												
162	2	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
162	11	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
162	16	1.838e+04	68.49	-5.20e-03	-1764.83	0.0	-561.78	845.29	-0.41	-0.34	68.49	-
2.199e+04		-2.942e+04	-16.79	-4.19e-04	0.0	99.9	-561.78	-37.13	-0.41	-0.34	25.85	
1.838e+04						199.8	-561.78	-919.54	-0.41	-0.34	-16.79	-
2.942e+04												
162	19	1.799e+04	17.18	-4.89e-03	-1764.83	0.0	-512.53	854.76	0.43	0.31	-70.37	-
2.333e+04		-2.885e+04	-70.37	4.19e-04	0.0	99.9	-512.53	-27.66	0.43	0.31	-26.60	
1.799e+04						199.8	-512.53	-910.07	0.43	0.31	17.18	-

2.885e+04												
162	20	1.834e+04	357.31	-5.24e-03	-1764.83	0.0	-561.59	845.85	-0.34	0.11	357.31	-
2.207e+04		-2.942e+04	-8.05	1.19e-04	0.0	99.9	-561.59	-36.56	-0.34	0.11	174.63	
1.834e+04						199.8	-561.59	-918.98	-0.34	0.11	-8.05	-
2.942e+04												
162	21	1.840e+04	55.62	-5.21e-03	-1764.83	0.0	-558.75	845.27	-3.12	-0.31	55.62	-
2.199e+04		-2.937e+04	-282.89	-3.11e-04	0.0	99.9	-558.75	-37.15	-3.12	-0.31	-113.64	
1.840e+04						199.8	-558.75	-919.56	-3.12	-0.31	-282.89	-
2.937e+04												
162	40	1.813e+04	564.10	-5.14e-03	-1764.83	0.0	-548.79	849.65	4.13	0.66	564.10	-
2.261e+04		-2.929e+04	414.57	6.88e-04	0.0	99.9	-548.79	-32.76	4.13	0.66	489.33	
1.813e+04						199.8	-548.79	-915.18	4.13	0.66	414.57	-
2.929e+04												
162	43	1.824e+04	-414.17	-4.95e-03	-1764.83	0.0	-525.51	850.39	-4.12	-0.69	-565.98	-
2.271e+04		-2.897e+04	-565.98	-6.87e-04	0.0	99.9	-525.51	-32.02	-4.12	-0.69	-490.08	
1.824e+04						199.8	-525.51	-914.44	-4.12	-0.69	-414.17	-
2.897e+04												
162	48	1.830e+04	31.89	-5.13e-03	-1764.83	0.0	-551.59	847.25	-0.17	-0.22	31.89	-
2.227e+04		-2.930e+04	-2.45	-2.87e-04	0.0	99.9	-551.59	-35.17	-0.17	-0.22	14.72	
1.830e+04						199.8	-551.59	-917.58	-0.17	-0.22	-2.45	-
2.930e+04												
162	51	1.807e+04	2.84	-4.96e-03	-1764.83	0.0	-522.71	852.80	0.18	0.20	-33.78	-
2.305e+04		-2.897e+04	-33.78	2.87e-04	0.0	99.9	-522.71	-29.62	0.18	0.20	-15.47	
1.807e+04						199.8	-522.71	-912.03	0.18	0.20	2.84	-
2.897e+04												
162	52	1.827e+04	213.14	-5.16e-03	-1764.83	0.0	-551.41	847.61	-0.16	0.07	213.14	-
2.232e+04		-2.930e+04	-1.54	8.22e-05	0.0	99.9	-551.41	-34.81	-0.16	0.07	105.80	
1.827e+04						199.8	-551.41	-917.22	-0.16	0.07	-1.54	-
2.930e+04												
162	53	1.831e+04	26.02	-5.14e-03	-1764.83	0.0	-549.67	847.24	-1.85	-0.20	26.02	-
2.227e+04		-2.927e+04	-166.13	-2.09e-04	0.0	99.9	-549.67	-35.17	-1.85	-0.20	-70.06	
1.831e+04						199.8	-549.67	-917.59	-1.85	-0.20	-166.13	-
2.927e+04												
162	72	1.815e+04	347.09	-5.10e-03	-1764.83	0.0	-544.06	849.85	2.52	0.41	347.09	-
2.264e+04		-2.923e+04	249.31	4.67e-04	0.0	99.9	-544.06	-32.57	2.52	0.41	298.20	
1.815e+04						199.8	-544.06	-914.98	2.52	0.41	249.31	-
2.923e+04												
162	75	1.822e+04	-248.92	-4.98e-03	-1764.83	0.0	-530.24	850.20	-2.51	-0.44	-348.97	-
2.268e+04		-2.904e+04	-348.97	-4.66e-04	0.0	99.9	-530.24	-32.22	-2.51	-0.44	-298.94	
1.822e+04						199.8	-530.24	-914.63	-2.51	-0.44	-248.92	-
2.904e+04												
162	80	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
162	81	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
162	82	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	

1.818e+04						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
163	1	2.132e+04	0.24	-3.03e-03	-2294.16	0.0	-385.66	1124.08	-1.76e-03	2.33e-04	0.24	-
3.369e+04												
		-3.828e+04	-0.11	0.0	0.0	99.9	-385.66	-23.00	-1.76e-03	2.33e-04	0.06	-
2.132e+04												
						199.8	-385.66	-1170.08	-1.76e-03	2.33e-04	-0.11	-
3.828e+04												
163	2	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.79e-04	0.18	-
2.591e+04												
		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.79e-04	0.05	-
1.640e+04												
						199.8	-296.66	-900.06	-1.35e-03	1.79e-04	-0.09	-
2.945e+04												
163	11	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.79e-04	0.18	-
2.591e+04												
		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.79e-04	0.05	-
1.640e+04												
						199.8	-296.66	-900.06	-1.35e-03	1.79e-04	-0.09	-
2.945e+04												
163	16	1.644e+04	158.05	-2.30e-03	-1764.74	0.0	-305.10	860.98	-1.38	-0.41	158.05	-
2.550e+04												
		-2.977e+04	-113.00	-6.87e-04	0.0	99.9	-305.10	-21.39	-1.38	-0.41	22.52	-
1.644e+04												
						199.8	-305.10	-903.76	-1.38	-0.41	-113.00	-
2.977e+04												
163	19	1.635e+04	112.83	-2.36e-03	-1764.74	0.0	-288.23	868.38	1.37	0.41	-157.68	-
2.633e+04												
		-2.912e+04	-157.68	6.87e-04	0.0	99.9	-288.23	-13.99	1.37	0.41	-22.43	-
1.635e+04												
						199.8	-288.23	-896.36	1.37	0.41	112.83	-
2.912e+04												
163	21	1.645e+04	152.09	-2.31e-03	-1764.74	0.0	-302.29	860.97	-1.39	-0.40	152.09	-
2.549e+04												
		-2.977e+04	-118.44	-6.68e-04	0.0	99.9	-302.29	-21.40	-1.39	-0.40	16.83	-
1.645e+04												
						199.8	-302.29	-903.77	-1.39	-0.40	-118.44	-
2.977e+04												
163	45	1.642e+04	566.69	-2.26e-03	-1764.74	0.0	-293.63	862.76	5.77	-0.87	-609.10	-
2.568e+04												
		-2.962e+04	-609.10	-1.06e-03	0.0	99.9	-293.63	-19.61	5.77	-0.87	-21.20	-
1.642e+04												
						199.8	-293.63	-901.98	5.77	-0.87	566.69	-
2.962e+04												
163	46	1.637e+04	609.46	-2.41e-03	-1764.74	0.0	-299.70	866.60	-5.77	0.87	609.46	-
2.614e+04												
		-2.927e+04	-566.86	1.06e-03	0.0	99.9	-299.70	-15.77	-5.77	0.87	21.30	-
1.637e+04												
						199.8	-299.70	-898.14	-5.77	0.87	-566.86	-
2.927e+04												
163	48	1.642e+04	79.72	-2.31e-03	-1764.74	0.0	-301.65	862.51	-0.69	-0.26	79.72	-
2.567e+04												
		-2.964e+04	-55.62	-4.40e-04	0.0	99.9	-301.65	-19.86	-0.69	-0.26	12.05	-
1.642e+04												
						199.8	-301.65	-902.23	-0.69	-0.26	-55.62	-
2.964e+04												
163	51	1.637e+04	55.45	-2.35e-03	-1764.74	0.0	-291.68	866.85	0.69	0.26	-79.35	-
2.616e+04												
		-2.925e+04	-79.35	4.40e-04	0.0	99.9	-291.68	-15.52	0.69	0.26	-11.95	-
1.637e+04												
						199.8	-291.68	-897.89	0.69	0.26	55.45	-
2.925e+04												
163	53	1.643e+04	74.97	-2.32e-03	-1764.74	0.0	-299.88	862.50	-0.69	-0.25	74.97	-
2.566e+04												
		-2.964e+04	-59.04	-4.26e-04	0.0	99.9	-299.88	-19.87	-0.69	-0.25	7.97	-
1.643e+04												
						199.8	-299.88	-902.24	-0.69	-0.25	-59.04	-
2.964e+04												
163	77	1.642e+04	355.09	-2.28e-03	-1764.74	0.0	-294.69	863.51	3.65	-0.57	-387.94	-
2.577e+04												
		-2.955e+04	-387.94	-7.37e-04	0.0	99.9	-294.69	-18.86	3.65	-0.57	-16.42	-
1.642e+04												
						199.8	-294.69	-901.23	3.65	-0.57	355.09	-
2.955e+04												
163	78	1.638e+04	388.30	-2.38e-03	-1764.74	0.0	-298.63	865.85	-3.66	0.57	388.30	-

2.605e+04												
1.638e+04		-2.934e+04	-355.27	7.37e-04	0.0	99.9	-298.63	-16.52	-3.66	0.57	16.52	
						199.8	-298.63	-898.89	-3.66	0.57	-355.27	-
2.934e+04												
163	80	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.79e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.79e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.79e-04	-0.09	-
2.945e+04												
163	81	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.79e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.79e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.79e-04	-0.09	-
2.945e+04												
163	82	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.79e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.79e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.79e-04	-0.09	-
2.945e+04												
164	1	2.132e+04	0.24	-1.81e-03	-2294.28	0.0	-385.75	1170.14	1.76e-03	-2.42e-04	-0.11	-
3.828e+04		-3.828e+04	-0.11	0.0	0.0	99.9	-385.75	23.00	1.76e-03	-2.42e-04	0.06	
2.132e+04						199.8	-385.75	-1124.14	1.76e-03	-2.42e-04	0.24	-
3.369e+04												
164	2	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.86e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.86e-04	0.05	
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.86e-04	0.18	-
2.591e+04												
164	11	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.86e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.86e-04	0.05	
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.86e-04	0.18	-
2.591e+04												
164	19	1.645e+04	152.85	-1.44e-03	-1764.83	0.0	-302.36	903.82	1.40	0.40	-119.85	-
2.977e+04		-2.977e+04	-119.85	6.65e-04	0.0	99.9	-302.36	21.40	1.40	0.40	16.50	
1.645e+04						199.8	-302.36	-861.01	1.40	0.40	152.85	-
2.549e+04												
164	21	1.636e+04	114.35	-1.34e-03	-1764.83	0.0	-288.29	896.41	-1.39	-0.41	114.35	-
2.912e+04		-2.912e+04	-159.03	-6.84e-04	0.0	99.9	-288.29	13.99	-1.39	-0.41	-22.34	
1.636e+04						199.8	-288.29	-868.42	-1.39	-0.41	-159.03	-
2.633e+04												
164	22	1.644e+04	159.40	-1.44e-03	-1764.83	0.0	-305.17	903.80	1.39	0.41	-114.52	-
2.978e+04		-2.978e+04	-114.52	6.84e-04	0.0	99.9	-305.17	21.39	1.39	0.41	22.44	
1.644e+04						199.8	-305.17	-861.03	1.39	0.41	159.40	-
2.550e+04												
164	36	1.637e+04	606.42	-1.31e-03	-1764.83	0.0	-299.77	898.19	5.73	-0.87	-562.10	-
2.928e+04		-2.928e+04	-562.10	-1.06e-03	0.0	99.9	-299.77	15.77	5.73	-0.87	22.16	
1.637e+04						199.8	-299.77	-866.64	5.73	-0.87	606.42	-
2.614e+04												
164	39	1.643e+04	561.92	-1.47e-03	-1764.83	0.0	-293.69	902.02	-5.73	0.87	561.92	-
2.962e+04		-2.962e+04	-606.06	1.06e-03	0.0	99.9	-293.69	19.61	-5.73	0.87	-22.07	
1.643e+04						199.8	-293.69	-862.81	-5.73	0.87	-606.06	-
2.569e+04												
164	51	1.643e+04	75.43	-1.42e-03	-1764.83	0.0	-299.96	902.28	0.70	0.25	-59.82	-
2.964e+04		-2.964e+04	-59.82	4.24e-04	0.0	99.9	-299.96	19.87	0.70	0.25	7.80	
1.643e+04						199.8	-299.96	-862.55	0.70	0.25	75.43	-

2.567e+04												
164	53	1.637e+04	56.27	-1.36e-03	-1764.83	0.0	-291.74	897.93	-0.69	-0.26	56.27	-
2.926e+04		-2.926e+04	-80.08	-4.39e-04	0.0	99.9	-291.74	15.52	-0.69	-0.26	-11.90	
1.637e+04						199.8	-291.74	-866.90	-0.69	-0.26	-80.08	-
2.616e+04												
164	54	1.643e+04	80.45	-1.42e-03	-1764.83	0.0	-301.72	902.28	0.70	0.26	-56.45	-
2.964e+04		-2.964e+04	-56.45	4.39e-04	0.0	99.9	-301.72	19.86	0.70	0.26	12.00	
1.643e+04						199.8	-301.72	-862.55	0.70	0.26	80.45	-
2.567e+04												
164	68	1.638e+04	386.55	-1.33e-03	-1764.83	0.0	-298.70	898.94	3.63	-0.57	-352.66	-
2.935e+04		-2.935e+04	-352.66	-7.39e-04	0.0	99.9	-298.70	16.52	3.63	-0.57	16.94	
1.638e+04						199.8	-298.70	-865.89	3.63	-0.57	386.55	-
2.605e+04												
164	71	1.642e+04	352.49	-1.45e-03	-1764.83	0.0	-294.76	901.27	-3.63	0.57	352.49	-
2.955e+04		-2.955e+04	-386.18	7.39e-04	0.0	99.9	-294.76	18.86	-3.63	0.57	-16.85	
1.642e+04						199.8	-294.76	-863.56	-3.63	0.57	-386.18	-
2.577e+04												
164	80	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.86e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.86e-04	0.05	
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.86e-04	0.18	-
2.591e+04												
164	81	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.86e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.86e-04	0.05	
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.86e-04	0.18	-
2.591e+04												
164	82	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.86e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.86e-04	0.05	
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.86e-04	0.18	-
2.591e+04												
165	1	2.364e+04	0.26	6.39e-03	-2294.28	0.0	-698.32	1189.25	-7.40e-03	0.02	0.26	-
3.787e+04		-3.787e+04	-1.22	0.0	0.0	99.9	-698.32	42.11	-7.40e-03	0.02	-0.48	
2.364e+04						199.8	-698.32	-1105.03	-7.40e-03	0.02	-1.22	-
2.946e+04												
165	2	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.69e-03	0.01	0.20	-
2.913e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.69e-03	0.01	-0.37	
1.818e+04						199.8	-537.17	-850.02	-5.69e-03	0.01	-0.94	-
2.266e+04												
165	11	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.69e-03	0.01	0.20	-
2.913e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.69e-03	0.01	-0.37	
1.818e+04						199.8	-537.17	-850.02	-5.69e-03	0.01	-0.94	-
2.266e+04												
165	18	1.834e+04	356.46	5.17e-03	-1764.83	0.0	-561.62	918.98	0.33	-0.11	-6.24	-
2.942e+04		-2.942e+04	-6.24	-1.85e-04	0.0	99.9	-561.62	36.56	0.33	-0.11	175.11	
1.834e+04						199.8	-561.62	-845.85	0.33	-0.11	356.46	-
2.207e+04												
165	19	1.840e+04	54.84	5.12e-03	-1764.83	0.0	-558.77	919.56	3.11	0.31	-281.57	-
2.937e+04		-2.937e+04	-281.57	3.11e-04	0.0	99.9	-558.77	37.14	3.11	0.31	-113.37	
1.840e+04						199.8	-558.77	-845.27	3.11	0.31	54.84	-
2.199e+04												
165	21	1.799e+04	15.27	4.72e-03	-1764.83	0.0	-512.54	910.07	-0.41	-0.31	15.27	-
2.885e+04		-2.885e+04	-69.27	-4.18e-04	0.0	99.9	-512.54	27.66	-0.41	-0.31	-27.00	

1.799e+04						199.8	-512.54	-854.76	-0.41	-0.31	-69.27	-
2.333e+04						0.0	-561.80	919.54	0.40	0.34	-14.87	-
165	22	1.838e+04	67.38	5.11e-03	-1764.83							
2.942e+04						99.9	-561.80	37.13	0.40	0.34	26.26	-
1.838e+04						0.0						
2.199e+04						199.8	-561.80	-845.29	0.40	0.34	67.38	-
165	36	1.803e+04	564.34	4.96e-03	-1764.83							
2.916e+04						0.0	-536.98	912.88	-4.16	-0.67	423.48	-
1.803e+04						99.9	-536.98	30.46	-4.16	-0.67	493.91	-
2.294e+04						199.8	-536.98	-851.95	-4.16	-0.67	564.34	-
165	39	1.834e+04	-423.08	4.87e-03	-1764.83							
2.910e+04						0.0	-537.37	916.74	4.15	0.70	-423.08	-
1.834e+04						99.9	-537.37	34.32	4.15	0.70	-494.65	-
2.238e+04						199.8	-537.37	-848.09	4.15	0.70	-566.22	-
165	50	1.827e+04	212.69	5.07e-03	-1764.83							
2.930e+04						0.0	-551.44	917.22	0.15	-0.07	-0.55	-
1.827e+04						99.9	-551.44	34.81	0.15	-0.07	106.07	-
2.232e+04						199.8	-551.44	-847.61	0.15	-0.07	212.69	-
165	51	1.831e+04	25.57	5.03e-03	-1764.83							
2.927e+04						0.0	-549.69	917.58	1.84	0.20	-165.42	-
1.831e+04						99.9	-549.69	35.17	1.84	0.20	-69.92	-
2.227e+04						199.8	-549.69	-847.25	1.84	0.20	25.57	-
165	53	1.807e+04	1.84	4.81e-03	-1764.83							
2.897e+04						0.0	-522.73	912.03	-0.17	-0.20	1.84	-
1.807e+04						99.9	-522.73	29.62	-0.17	-0.20	-15.67	-
2.305e+04						199.8	-522.73	-852.80	-0.17	-0.20	-33.19	-
165	54	1.830e+04	31.31	5.02e-03	-1764.83							
2.930e+04						0.0	-551.61	917.58	0.16	0.22	-1.45	-
1.830e+04						99.9	-551.61	35.17	0.16	0.22	14.93	-
2.227e+04						199.8	-551.61	-847.25	0.16	0.22	31.31	-
165	65	1.822e+04	-249.63	4.82e-03	-1764.83							
2.904e+04						0.0	-530.25	914.63	2.51	0.44	-249.63	-
1.822e+04						99.9	-530.25	32.22	2.51	0.44	-299.22	-
2.268e+04						199.8	-530.25	-850.20	2.51	0.44	-348.82	-
165	66	1.815e+04	346.94	5.01e-03	-1764.83							
2.923e+04						0.0	-544.10	914.98	-2.53	-0.41	250.02	-
1.815e+04						99.9	-544.10	32.57	-2.53	-0.41	298.48	-
2.264e+04						199.8	-544.10	-849.85	-2.53	-0.41	346.94	-
165	80	1.818e+04	0.20	4.92e-03	-1764.83							
2.913e+04						0.0	-537.17	914.81	-5.69e-03	0.01	0.20	-
1.818e+04						99.9	-537.17	32.39	-5.69e-03	0.01	-0.37	-
2.266e+04						199.8	-537.17	-850.02	-5.69e-03	0.01	-0.94	-
165	81	1.818e+04	0.20	4.92e-03	-1764.83							
2.913e+04						0.0	-537.17	914.81	-5.69e-03	0.01	0.20	-
1.818e+04						99.9	-537.17	32.39	-5.69e-03	0.01	-0.37	-
2.266e+04						199.8	-537.17	-850.02	-5.69e-03	0.01	-0.94	-
165	82	1.818e+04	0.20	4.92e-03	-1764.83							
2.913e+04						0.0	-537.17	914.81	-5.69e-03	0.01	0.20	-
1.818e+04						99.9	-537.17	32.39	-5.69e-03	0.01	-0.37	-
2.266e+04						199.8	-537.17	-850.02	-5.69e-03	0.01	-0.94	-
166	1	2.847e+04	4.28	0.02	-2294.16							
						0.0	-684.85	1173.18	0.03	0.14	-2.43	-

3.143e+04												
2.847e+04		-3.143e+04	-2.43	-2.66e-06	0.0	99.9	-684.85	26.10	0.03	0.14	0.93	
2.622e+04						199.8	-684.85	-1120.98	0.03	0.14	4.28	-
166	2	2.190e+04	3.29	0.01	-1764.74	0.0	-526.81	902.45	0.03	0.11	-1.87	-
2.418e+04												
2.190e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.81	20.08	0.03	0.11	0.71	
2.017e+04						199.8	-526.81	-862.29	0.03	0.11	3.29	-
166	11	2.190e+04	3.29	0.01	-1764.74	0.0	-526.81	902.45	0.03	0.11	-1.87	-
2.418e+04												
2.190e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.81	20.08	0.03	0.11	0.71	
2.017e+04						199.8	-526.81	-862.29	0.03	0.11	3.29	-
166	19	2.211e+04	268.83	0.01	-1764.74	0.0	-562.27	903.36	2.48	-0.09	-234.81	-
2.406e+04												
2.211e+04		-2.406e+04	-234.81	1.86e-05	0.0	99.9	-562.27	20.99	2.48	-0.09	17.01	
1.988e+04						199.8	-562.27	-861.38	2.48	-0.09	268.83	-
166	21	2.171e+04	21.05	0.01	-1764.74	0.0	-488.10	901.29	0.24	0.02	-22.70	-
2.426e+04												
2.171e+04		-2.426e+04	-22.70	-2.41e-04	0.0	99.9	-488.10	18.92	0.24	0.02	-0.83	
2.048e+04						199.8	-488.10	-863.45	0.24	0.02	21.05	-
166	22	2.210e+04	18.96	0.01	-1764.74	0.0	-565.52	903.60	-0.19	0.19	18.96	-
2.410e+04												
2.210e+04		-2.410e+04	-14.46	2.37e-04	0.0	99.9	-565.52	21.23	-0.19	0.19	2.25	
1.985e+04						199.8	-565.52	-861.14	-0.19	0.19	-14.46	-
166	24	2.175e+04	131.26	0.01	-1764.74	0.0	-502.79	902.17	-1.30	0.20	131.26	-
2.431e+04												
2.175e+04		-2.431e+04	-105.30	-8.36e-05	0.0	99.9	-502.79	19.79	-1.30	0.20	12.98	
2.035e+04						199.8	-502.79	-862.58	-1.30	0.20	-105.30	-
166	32	2.182e+04	524.97	0.01	-1764.74	0.0	-520.63	902.63	-5.29	0.56	524.97	-
2.429e+04												
2.182e+04		-2.429e+04	-543.32	-9.00e-05	0.0	99.9	-520.63	20.26	-5.29	0.56	-9.17	
2.022e+04						199.8	-520.63	-862.11	-5.29	0.56	-543.32	-
166	35	2.199e+04	549.90	0.01	-1764.74	0.0	-532.98	902.27	5.34	-0.34	-528.70	-
2.407e+04												
2.199e+04		-2.407e+04	-528.70	8.62e-05	0.0	99.9	-532.98	19.89	5.34	-0.34	10.60	
2.012e+04						199.8	-532.98	-862.48	5.34	-0.34	549.90	-
166	51	2.202e+04	163.63	0.01	-1764.74	0.0	-547.38	902.97	1.51	-0.01	-144.31	-
2.411e+04												
2.202e+04		-2.411e+04	-144.31	1.45e-05	0.0	99.9	-547.38	20.60	1.51	-0.01	9.66	
2.000e+04						199.8	-547.38	-861.77	1.51	-0.01	163.63	-
166	53	2.179e+04	22.59	0.01	-1764.74	0.0	-504.15	901.77	0.24	0.04	-22.00	-
2.422e+04												
2.179e+04		-2.422e+04	-22.00	-1.72e-04	0.0	99.9	-504.15	19.40	0.24	0.04	0.29	
2.035e+04						199.8	-504.15	-862.97	0.24	0.04	22.59	-
166	54	2.202e+04	18.26	0.01	-1764.74	0.0	-549.47	903.12	-0.19	0.17	18.26	-
2.413e+04												
2.202e+04		-2.413e+04	-16.00	1.68e-04	0.0	99.9	-549.47	20.75	-0.19	0.17	1.13	
1.998e+04						199.8	-549.47	-861.62	-0.19	0.17	-16.00	-
166	56	2.182e+04	85.37	0.01	-1764.74	0.0	-513.43	902.30	-0.84	0.16	85.37	-
2.426e+04												
2.182e+04		-2.426e+04	-68.61	-4.01e-05	0.0	99.9	-513.43	19.93	-0.84	0.16	8.38	
						199.8	-513.43	-862.44	-0.84	0.16	-68.61	-

2.027e+04												
166	67	2.195e+04	346.89	0.01	-1764.74	0.0	-530.20	902.31	3.41	-0.17	-340.58	-
2.411e+04		-2.411e+04	-340.58	5.09e-05	0.0	99.9	-530.20	19.94	3.41	-0.17	3.16	
2.195e+04						199.8	-530.20	-862.43	3.41	-0.17	346.89	-
2.014e+04												
166	80	2.190e+04	3.29	0.01	-1764.74	0.0	-526.81	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.81	20.08	0.03	0.11	0.71	
2.190e+04						199.8	-526.81	-862.29	0.03	0.11	3.29	-
2.017e+04												
166	81	2.190e+04	3.29	0.01	-1764.74	0.0	-526.81	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.81	20.08	0.03	0.11	0.71	
2.190e+04						199.8	-526.81	-862.29	0.03	0.11	3.29	-
2.017e+04												
166	82	2.190e+04	3.29	0.01	-1764.74	0.0	-526.81	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.81	20.08	0.03	0.11	0.71	
2.190e+04						199.8	-526.81	-862.29	0.03	0.11	3.29	-
2.017e+04												
167	1	4.757e+04	-0.90	-9.39e-03	-2583.79	0.0	-713.23	1291.90	0.0	0.0	-0.90	-
2.511e+04		-2.511e+04	-0.90	0.0	0.0	112.5	-713.23	1.51e-05	0.0	0.0	-0.90	
4.757e+04						225.0	-713.23	-1291.90	0.0	0.0	-0.90	-
2.511e+04												
167	2	3.659e+04	-0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	-0.69	-
1.932e+04		-1.932e+04	-0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	-0.69	
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	-0.69	-
1.932e+04												
167	11	3.659e+04	-0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	-0.69	-
1.932e+04		-1.932e+04	-0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	-0.69	
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	-0.69	-
1.932e+04												
167	17	3.659e+04	41.89	-6.82e-03	-1987.53	0.0	-548.58	994.41	-0.38	1.44e-03	41.89	-
1.939e+04		-1.939e+04	-43.14	-1.75e-04	0.0	112.5	-548.58	0.65	-0.38	1.44e-03	-0.63	
3.659e+04						225.0	-548.58	-993.12	-0.38	1.44e-03	-43.14	-
1.925e+04												
167	18	3.659e+04	41.76	-7.62e-03	-1987.53	0.0	-548.69	993.12	0.38	-1.44e-03	-43.27	-
1.925e+04		-1.939e+04	-43.27	1.75e-04	0.0	112.5	-548.69	-0.65	0.38	-1.44e-03	-0.75	
3.659e+04						225.0	-548.69	-994.41	0.38	-1.44e-03	41.76	-
1.939e+04												
167	29	3.659e+04	174.27	-7.10e-03	-1987.53	0.0	-548.59	994.18	-1.55	0.20	174.27	-
1.936e+04		-1.936e+04	-175.53	2.32e-04	0.0	112.5	-548.59	0.41	-1.55	0.20	-0.63	
3.659e+04						225.0	-548.59	-993.35	-1.55	0.20	-175.53	-
1.927e+04												
167	32	3.659e+04	546.12	-8.37e-03	-1987.53	0.0	-548.62	991.18	4.86	-0.38	-547.47	-
1.903e+04		-1.961e+04	-547.47	-9.75e-04	0.0	112.5	-548.62	-2.59	4.86	-0.38	-0.67	
3.659e+04						225.0	-548.62	-996.35	4.86	-0.38	546.12	-
1.961e+04												
167	35	3.659e+04	546.08	-6.08e-03	-1987.53	0.0	-548.65	996.35	-4.86	0.38	546.08	-
1.961e+04		-1.961e+04	-547.50	9.75e-04	0.0	112.5	-548.65	2.59	-4.86	0.38	-0.71	
3.659e+04						225.0	-548.65	-991.18	-4.86	0.38	-547.50	-
1.903e+04												
167	49	3.659e+04	33.95	-6.96e-03	-1987.53	0.0	-548.60	994.20	-0.31	4.06e-03	33.95	-
1.937e+04		-1.937e+04	-35.26	-8.61e-05	0.0	112.5	-548.60	0.43	-0.31	4.06e-03	-0.65	

3.659e+04												
1.927e+04					225.0	-548.60	-993.33	-0.31	4.06e-03	-35.26	-	
167	50	3.659e+04	33.88	-7.48e-03	-1987.53	0.0	-548.67	993.33	0.31	-4.06e-03	-35.33	-
1.927e+04												
		-1.937e+04	-35.33	8.61e-05	0.0	112.5	-548.67	-0.43	0.31	-4.06e-03	-0.73	-
3.659e+04												
					225.0	-548.67	-994.20	0.31	-4.06e-03	33.88	-	
1.937e+04												
167	61	3.659e+04	107.19	-7.14e-03	-1987.53	0.0	-548.61	994.02	-0.96	0.12	107.19	-
1.935e+04												
		-1.935e+04	-108.50	1.07e-04	0.0	112.5	-548.61	0.26	-0.96	0.12	-0.66	-
3.659e+04												
					225.0	-548.61	-993.51	-0.96	0.12	-108.50	-	
1.929e+04												
167	64	3.659e+04	343.06	-7.98e-03	-1987.53	0.0	-548.63	992.05	3.05	-0.23	-344.42	-
1.913e+04												
		-1.951e+04	-344.42	-6.26e-04	0.0	112.5	-548.63	-1.71	3.05	-0.23	-0.68	-
3.659e+04												
					225.0	-548.63	-995.48	3.05	-0.23	343.06	-	
1.951e+04												
167	67	3.659e+04	343.03	-6.46e-03	-1987.53	0.0	-548.65	995.48	-3.05	0.23	343.03	-
1.951e+04												
		-1.951e+04	-344.44	6.26e-04	0.0	112.5	-548.65	1.71	-3.05	0.23	-0.70	-
3.659e+04												
					225.0	-548.65	-992.05	-3.05	0.23	-344.44	-	
1.913e+04												
167	80	3.659e+04	-0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	-0.69	-
1.932e+04												
		-1.932e+04	-0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	-0.69	-
3.659e+04												
					225.0	-548.64	-993.77	0.0	0.0	-0.69	-	
1.932e+04												
167	81	3.659e+04	-0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	-0.69	-
1.932e+04												
		-1.932e+04	-0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	-0.69	-
3.659e+04												
					225.0	-548.64	-993.77	0.0	0.0	-0.69	-	
1.932e+04												
167	82	3.659e+04	-0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	-0.69	-
1.932e+04												
		-1.932e+04	-0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	-0.69	-
3.659e+04												
					225.0	-548.64	-993.77	0.0	0.0	-0.69	-	
1.932e+04												
168	1	2.847e+04	2.43	0.02	-2294.16	0.0	-684.85	1173.18	-0.03	-0.14	2.43	-
3.143e+04												
		-3.143e+04	-4.28	2.66e-06	0.0	99.9	-684.85	26.10	-0.03	-0.14	-0.93	-
2.847e+04												
					199.8	-684.85	-1120.98	-0.03	-0.14	-4.28	-	
2.622e+04												
168	2	2.190e+04	1.87	0.01	-1764.74	0.0	-526.81	902.45	-0.03	-0.11	1.87	-
2.418e+04												
		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.81	20.08	-0.03	-0.11	-0.71	-
2.190e+04												
					199.8	-526.81	-862.29	-0.03	-0.11	-3.29	-	
2.017e+04												
168	11	2.190e+04	1.87	0.01	-1764.74	0.0	-526.81	902.45	-0.03	-0.11	1.87	-
2.418e+04												
		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.81	20.08	-0.03	-0.11	-0.71	-
2.190e+04												
					199.8	-526.81	-862.29	-0.03	-0.11	-3.29	-	
2.017e+04												
168	17	2.171e+04	39.30	0.01	-1764.74	0.0	-495.60	901.89	0.55	-0.16	-66.50	-
2.432e+04												
		-2.432e+04	-66.50	3.54e-05	0.0	99.9	-495.60	19.52	0.55	-0.16	-13.60	-
2.171e+04												
					199.8	-495.60	-862.85	0.55	-0.16	39.30	-	
2.041e+04												
168	18	2.210e+04	70.23	0.01	-1764.74	0.0	-558.02	903.00	-0.60	-0.05	70.23	-
2.404e+04												
		-2.404e+04	-45.89	-3.16e-05	0.0	99.9	-558.02	20.63	-0.60	-0.05	12.17	-
2.210e+04												
					199.8	-558.02	-861.74	-0.60	-0.05	-45.89	-	
1.992e+04												
168	20	2.172e+04	187.28	0.01	-1764.74	0.0	-492.35	901.64	-2.12	0.13	187.28	-

2.428e+04												
2.172e+04		-2.428e+04	-243.99	2.54e-04	0.0	99.9	-492.35	19.27	-2.12	0.13	-28.36	
2.044e+04						199.8	-492.35	-863.10	-2.12	0.13	-243.99	-
2.408e+04	23	2.209e+04	237.41	0.01	-1764.74	0.0	-561.26	903.25	2.07	-0.34	-183.54	-
2.209e+04		-2.408e+04	-183.54	-2.50e-04	0.0	99.9	-561.26	20.88	2.07	-0.34	26.93	
1.990e+04						199.8	-561.26	-861.49	2.07	-0.34	237.41	-
2.413e+04	32	2.187e+04	528.70	0.01	-1764.74	0.0	-512.11	901.73	-5.34	0.35	528.70	-
2.187e+04		-2.413e+04	-549.82	-8.62e-05	0.0	99.9	-512.11	19.36	-5.34	0.35	-10.56	
2.028e+04						199.8	-512.11	-863.01	-5.34	0.35	-549.82	-
2.423e+04	35	2.194e+04	543.24	0.01	-1764.74	0.0	-541.51	903.16	5.29	-0.56	-524.96	-
2.194e+04		-2.423e+04	-524.96	9.00e-05	0.0	99.9	-541.51	20.79	5.29	-0.56	9.14	
2.005e+04						199.8	-541.51	-861.58	5.29	-0.56	543.24	-
2.426e+04	49	2.179e+04	31.35	0.01	-1764.74	0.0	-508.73	902.13	0.42	-0.14	-50.85	-
2.179e+04		-2.426e+04	-50.85	1.71e-05	0.0	99.9	-508.73	19.76	0.42	-0.14	-9.75	
2.031e+04						199.8	-508.73	-862.61	0.42	-0.14	31.35	-
2.409e+04	50	2.202e+04	54.58	0.01	-1764.74	0.0	-544.89	902.76	-0.47	-0.07	54.58	-
2.202e+04		-2.409e+04	-37.93	-1.33e-05	0.0	99.9	-544.89	20.39	-0.47	-0.07	8.32	
2.003e+04						199.8	-544.89	-861.98	-0.47	-0.07	-37.93	-
2.424e+04	52	2.179e+04	111.73	0.01	-1764.74	0.0	-506.64	901.98	-1.28	0.04	111.73	-
2.179e+04		-2.424e+04	-148.28	1.71e-04	0.0	99.9	-506.64	19.61	-1.28	0.04	-18.28	
2.033e+04						199.8	-506.64	-862.76	-1.28	0.04	-148.28	-
2.412e+04	55	2.201e+04	141.70	0.01	-1764.74	0.0	-546.97	902.92	1.23	-0.25	-108.00	-
2.201e+04		-2.412e+04	-108.00	-1.67e-04	0.0	99.9	-546.97	20.55	1.23	-0.25	16.85	
2.001e+04						199.8	-546.97	-861.83	1.23	-0.25	141.70	-
2.414e+04	64	2.189e+04	340.57	0.01	-1764.74	0.0	-518.06	902.00	-3.41	0.17	340.57	-
2.189e+04		-2.414e+04	-346.84	-5.09e-05	0.0	99.9	-518.06	19.63	-3.41	0.17	-3.13	
2.024e+04						199.8	-518.06	-862.74	-3.41	0.17	-346.84	-
2.418e+04	80	2.190e+04	1.87	0.01	-1764.74	0.0	-526.81	902.45	-0.03	-0.11	1.87	-
2.190e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.81	20.08	-0.03	-0.11	-0.71	
2.017e+04						199.8	-526.81	-862.29	-0.03	-0.11	-3.29	-
2.418e+04	81	2.190e+04	1.87	0.01	-1764.74	0.0	-526.81	902.45	-0.03	-0.11	1.87	-
2.190e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.81	20.08	-0.03	-0.11	-0.71	
2.017e+04						199.8	-526.81	-862.29	-0.03	-0.11	-3.29	-
2.418e+04	82	2.190e+04	1.87	0.01	-1764.74	0.0	-526.81	902.45	-0.03	-0.11	1.87	-
2.190e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.81	20.08	-0.03	-0.11	-0.71	
2.017e+04						199.8	-526.81	-862.29	-0.03	-0.11	-3.29	-
3.787e+04	1	2.364e+04	1.22	6.39e-03	-2294.28	0.0	-698.32	1189.25	7.40e-03	-0.02	-0.26	-
2.364e+04		-3.787e+04	-0.26	0.0	0.0	99.9	-698.32	42.11	7.40e-03	-0.02	0.48	
						199.8	-698.32	-1105.03	7.40e-03	-0.02	1.22	-

2.946e+04												
169	2	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.69e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.69e-03	-0.01	0.37	
1.818e+04						199.8	-537.17	-850.02	5.69e-03	-0.01	0.94	-
2.266e+04												
169	11	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.69e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.69e-03	-0.01	0.37	
1.818e+04						199.8	-537.17	-850.02	5.69e-03	-0.01	0.94	-
2.266e+04												
169	18	1.840e+04	358.50	5.06e-03	-1764.83	0.0	-556.60	919.21	0.34	-0.14	-6.68	-
2.933e+04		-2.933e+04	-6.68	-1.85e-04	0.0	99.9	-556.60	36.79	0.34	-0.14	175.91	
1.840e+04						199.8	-556.60	-845.62	0.34	-0.14	358.50	-
2.202e+04												
169	19	1.834e+04	56.87	5.11e-03	-1764.83	0.0	-559.44	918.63	3.13	0.28	-282.01	-
2.938e+04		-2.938e+04	-282.01	3.11e-04	0.0	99.9	-559.44	36.21	3.13	0.28	-112.57	
1.834e+04						199.8	-559.44	-846.20	3.13	0.28	56.87	-
2.211e+04												
169	20	1.799e+04	272.98	4.79e-03	-1764.83	0.0	-514.71	910.42	-3.04	0.14	272.98	-
2.889e+04		-2.889e+04	-344.07	2.30e-04	0.0	99.9	-514.71	28.01	-3.04	0.14	-35.54	
1.799e+04						199.8	-514.71	-854.41	-3.04	0.14	-344.07	-
2.330e+04												
169	23	1.838e+04	345.95	5.04e-03	-1764.83	0.0	-559.63	919.19	3.05	-0.17	-273.38	-
2.938e+04		-2.938e+04	-273.38	-2.29e-04	0.0	99.9	-559.63	36.78	3.05	-0.17	36.28	
1.838e+04						199.8	-559.63	-845.64	3.05	-0.17	345.95	-
2.203e+04												
169	36	1.825e+04	566.18	4.77e-03	-1764.83	0.0	-526.72	914.67	-4.15	-0.70	423.09	-
2.899e+04		-2.899e+04	423.09	-7.61e-04	0.0	99.9	-526.72	32.26	-4.15	-0.70	494.64	
1.825e+04						199.8	-526.72	-850.16	-4.15	-0.70	566.18	-
2.268e+04												
169	39	1.812e+04	-423.49	5.06e-03	-1764.83	0.0	-547.63	914.94	4.16	0.67	-423.49	-
2.928e+04		-2.928e+04	-564.30	7.61e-04	0.0	99.9	-547.63	32.53	4.16	0.67	-493.89	
1.812e+04						199.8	-547.63	-849.89	4.16	0.67	-564.30	-
2.265e+04												
169	50	1.831e+04	214.66	5.00e-03	-1764.83	0.0	-548.42	917.38	0.16	-0.09	-0.97	-
2.925e+04		-2.925e+04	-0.97	-1.19e-04	0.0	99.9	-548.42	34.96	0.16	-0.09	106.84	
1.831e+04						199.8	-548.42	-847.45	0.16	-0.09	214.66	-
2.229e+04												
169	51	1.827e+04	27.54	5.03e-03	-1764.83	0.0	-550.16	917.01	1.86	0.17	-165.84	-
2.928e+04		-2.928e+04	-165.84	2.09e-04	0.0	99.9	-550.16	34.60	1.86	0.17	-69.15	
1.827e+04						199.8	-550.16	-847.82	1.86	0.17	27.54	-
2.234e+04												
169	52	1.807e+04	164.54	4.84e-03	-1764.83	0.0	-524.01	912.24	-1.83	0.09	164.54	-
2.899e+04		-2.899e+04	-207.04	1.61e-04	0.0	99.9	-524.01	29.82	-1.83	0.09	-21.25	
1.807e+04						199.8	-524.01	-852.59	-1.83	0.09	-207.04	-
2.303e+04												
169	55	1.830e+04	208.92	4.99e-03	-1764.83	0.0	-550.34	917.38	1.85	-0.12	-164.94	-
2.928e+04		-2.928e+04	-164.94	-1.61e-04	0.0	99.9	-550.34	34.96	1.85	-0.12	21.99	
1.830e+04						199.8	-550.34	-847.45	1.85	-0.12	208.92	-
2.229e+04												
169	65	1.808e+04	-250.01	4.94e-03	-1764.83	0.0	-536.43	913.49	2.53	0.41	-250.01	-
2.914e+04		-2.914e+04	-346.97	4.93e-04	0.0	99.9	-536.43	31.07	2.53	0.41	-298.49	

1.808e+04						199.8	-536.43	-851.35	2.53	0.41	-346.97	-
2.286e+04												
169	66	1.829e+04	348.85	4.89e-03	-1764.83	0.0	-537.91	916.13	-2.51	-0.44	249.62	-
2.912e+04		-2.912e+04	249.62	-4.93e-04	0.0	99.9	-537.91	33.71	-2.51	-0.44	299.23	
1.829e+04						199.8	-537.91	-848.70	-2.51	-0.44	348.85	-
2.247e+04												
169	80	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.69e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.69e-03	-0.01	0.37	
1.818e+04						199.8	-537.17	-850.02	5.69e-03	-0.01	0.94	-
2.266e+04												
169	81	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.69e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.69e-03	-0.01	0.37	
1.818e+04						199.8	-537.17	-850.02	5.69e-03	-0.01	0.94	-
2.266e+04												
169	82	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.69e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.69e-03	-0.01	0.37	
1.818e+04						199.8	-537.17	-850.02	5.69e-03	-0.01	0.94	-
2.266e+04												
170	1	2.132e+04	0.11	-1.81e-03	-2294.28	0.0	-385.75	1170.14	-1.76e-03	2.42e-04	0.11	-
3.828e+04		-3.828e+04	-0.24	0.0	0.0	99.9	-385.75	23.00	-1.76e-03	2.42e-04	-0.06	
2.132e+04						199.8	-385.75	-1124.14	-1.76e-03	2.42e-04	-0.24	-
3.369e+04												
170	2	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.86e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.86e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.86e-04	-0.18	-
2.591e+04												
170	11	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.86e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.86e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.86e-04	-0.18	-
2.591e+04												
170	18	1.645e+04	459.85	-1.44e-03	-1764.83	0.0	-301.84	903.91	4.31	-0.14	-408.58	-
2.978e+04		-2.978e+04	-408.58	-6.01e-05	0.0	99.9	-301.84	21.49	4.31	-0.14	25.63	
1.645e+04						199.8	-301.84	-860.92	4.31	-0.14	459.85	-
2.548e+04												
170	20	1.635e+04	414.08	-1.34e-03	-1764.83	0.0	-288.81	896.31	-4.32	0.15	414.08	-
2.912e+04		-2.912e+04	-453.66	7.32e-05	0.0	99.9	-288.81	13.90	-4.32	0.15	-19.79	
1.635e+04						199.8	-288.81	-868.52	-4.32	0.15	-453.66	-
2.634e+04												
170	23	1.645e+04	453.29	-1.45e-03	-1764.83	0.0	-304.65	903.90	4.31	-0.15	-413.91	-
2.978e+04		-2.978e+04	-413.91	-7.32e-05	0.0	99.9	-304.65	21.48	4.31	-0.15	19.69	
1.645e+04						199.8	-304.65	-860.93	4.31	-0.15	453.29	-
2.548e+04												
170	36	1.640e+04	606.05	-1.46e-03	-1764.83	0.0	-290.42	900.36	5.73	-0.87	-561.92	-
2.948e+04		-2.948e+04	-561.92	-1.06e-03	0.0	99.9	-290.42	17.94	5.73	-0.87	22.07	
1.640e+04						199.8	-290.42	-864.47	5.73	-0.87	606.05	-
2.587e+04												
170	39	1.639e+04	562.09	-1.32e-03	-1764.83	0.0	-303.05	899.85	-5.73	0.87	562.09	-
2.942e+04		-2.942e+04	-606.42	1.06e-03	0.0	99.9	-303.05	17.44	-5.73	0.87	-22.17	
1.639e+04						199.8	-303.05	-864.98	-5.73	0.87	-606.42	-
2.595e+04												
170	50	1.643e+04	275.26	-1.42e-03	-1764.83	0.0	-299.65	902.34	2.58	-0.10	-244.10	-

2.964e+04												
1.643e+04		-2.964e+04	-244.10	-6.47e-05	0.0	99.9	-299.65	19.92	2.58	-0.10	15.58	
						199.8	-299.65	-862.49	2.58	-0.10	275.26	-
2.566e+04												
170	52	1.637e+04	247.65	-1.36e-03	-1764.83	0.0	-292.05	897.88	-2.58	0.11	247.65	-
2.925e+04		-2.925e+04	-270.61	7.50e-05	0.0	99.9	-292.05	15.47	-2.58	0.11	-11.48	
1.637e+04						199.8	-292.05	-866.95	-2.58	0.11	-270.61	-
2.617e+04												
170	55	1.643e+04	270.24	-1.43e-03	-1764.83	0.0	-301.41	902.33	2.58	-0.10	-247.48	-
2.964e+04		-2.964e+04	-247.48	-7.50e-05	0.0	99.9	-301.41	19.91	2.58	-0.10	11.38	
1.643e+04						199.8	-301.41	-862.50	2.58	-0.10	270.24	-
2.566e+04												
170	68	1.641e+04	386.18	-1.44e-03	-1764.83	0.0	-292.92	900.34	3.63	-0.57	-352.49	-
2.947e+04		-2.947e+04	-352.49	-7.39e-04	0.0	99.9	-292.92	17.92	3.63	-0.57	16.85	
1.641e+04						199.8	-292.92	-864.49	3.63	-0.57	386.18	-
2.588e+04												
170	71	1.639e+04	352.66	-1.34e-03	-1764.83	0.0	-300.54	899.87	-3.63	0.57	352.66	-
2.943e+04		-2.943e+04	-386.55	7.39e-04	0.0	99.9	-300.54	17.46	-3.63	0.57	-16.94	
1.639e+04						199.8	-300.54	-864.96	-3.63	0.57	-386.55	-
2.595e+04												
170	80	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.86e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.86e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.86e-04	-0.18	-
2.591e+04												
170	81	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.86e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.86e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.86e-04	-0.18	-
2.591e+04												
170	82	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.86e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.86e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.86e-04	-0.18	-
2.591e+04												
171	1	2.132e+04	0.11	-3.03e-03	-2294.16	0.0	-385.66	1124.08	1.76e-03	-2.33e-04	-0.24	-
3.369e+04		-3.828e+04	-0.24	0.0	0.0	99.9	-385.66	-23.00	1.76e-03	-2.33e-04	-0.06	
2.132e+04						199.8	-385.66	-1170.08	1.76e-03	-2.33e-04	0.11	-
3.828e+04												
171	2	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.79e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.79e-04	-0.05	
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.79e-04	0.09	-
2.945e+04												
171	11	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.79e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.79e-04	-0.05	
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.79e-04	0.09	-
2.945e+04												
171	17	1.645e+04	452.85	-2.30e-03	-1764.74	0.0	-304.58	860.89	-4.31	0.15	452.85	-
2.548e+04		-2.978e+04	-413.05	5.56e-05	0.0	99.9	-304.58	-21.48	-4.31	0.15	19.90	
1.645e+04						199.8	-304.58	-903.85	-4.31	0.15	-413.05	-
2.978e+04												
171	18	1.635e+04	413.22	-2.37e-03	-1764.74	0.0	-288.75	868.47	4.31	-0.15	-453.22	-
2.634e+04		-2.912e+04	-453.22	-5.56e-05	0.0	99.9	-288.75	-13.90	4.31	-0.15	-20.00	
1.635e+04						199.8	-288.75	-896.27	4.31	-0.15	413.22	-

2.912e+04												
171	20	1.645e+04	458.81	-2.30e-03	-1764.74	0.0	-301.77	860.88	-4.30	0.14	458.81	-
2.548e+04												
		-2.978e+04	-407.60	-4.00e-05	0.0	99.9	-301.77	-21.49	-4.30	0.14	25.60	
1.645e+04												
						199.8	-301.77	-903.86	-4.30	0.14	-407.60	-
2.978e+04												
171	45	1.639e+04	566.86	-2.40e-03	-1764.74	0.0	-303.02	864.93	5.77	-0.87	-609.46	-
2.595e+04												
		-2.942e+04	-609.46	-1.06e-03	0.0	99.9	-303.02	-17.44	5.77	-0.87	-21.30	
1.639e+04												
						199.8	-303.02	-899.81	5.77	-0.87	566.86	-
2.942e+04												
171	46	1.640e+04	609.09	-2.26e-03	-1764.74	0.0	-290.31	864.43	-5.77	0.87	609.09	-
2.587e+04												
		-2.948e+04	-566.68	1.06e-03	0.0	99.9	-290.31	-17.94	-5.77	0.87	21.21	
1.640e+04												
						199.8	-290.31	-900.31	-5.77	0.87	-566.68	-
2.948e+04												
171	49	1.643e+04	269.91	-2.31e-03	-1764.74	0.0	-301.34	862.46	-2.57	0.11	269.91	-
2.566e+04												
		-2.964e+04	-246.92	6.71e-05	0.0	99.9	-301.34	-19.91	-2.57	0.11	11.49	
1.643e+04												
						199.8	-301.34	-902.29	-2.57	0.11	-246.92	-
2.964e+04												
171	50	1.637e+04	247.09	-2.35e-03	-1764.74	0.0	-291.98	866.90	2.57	-0.11	-270.27	-
2.616e+04												
		-2.925e+04	-270.27	-6.71e-05	0.0	99.9	-291.98	-15.47	2.57	-0.11	-11.59	
1.637e+04												
						199.8	-291.98	-897.84	2.57	-0.11	247.09	-
2.925e+04												
171	52	1.643e+04	274.66	-2.31e-03	-1764.74	0.0	-299.58	862.45	-2.57	0.10	274.66	-
2.566e+04												
		-2.964e+04	-243.50	5.35e-05	0.0	99.9	-299.58	-19.92	-2.57	0.10	15.58	
1.643e+04												
						199.8	-299.58	-902.29	-2.57	0.10	-243.50	-
2.964e+04												
171	77	1.639e+04	355.26	-2.38e-03	-1764.74	0.0	-300.50	864.91	3.66	-0.57	-388.30	-
2.595e+04												
		-2.942e+04	-388.30	-7.37e-04	0.0	99.9	-300.50	-17.46	3.66	-0.57	-16.52	
1.639e+04												
						199.8	-300.50	-899.83	3.66	-0.57	355.26	-
2.942e+04												
171	78	1.640e+04	387.93	-2.29e-03	-1764.74	0.0	-292.83	864.45	-3.65	0.57	387.93	-
2.588e+04												
		-2.947e+04	-355.09	7.37e-04	0.0	99.9	-292.83	-17.92	-3.65	0.57	16.42	
1.640e+04												
						199.8	-292.83	-900.29	-3.65	0.57	-355.09	-
2.947e+04												
171	80	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.79e-04	-0.18	-
2.591e+04												
		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.79e-04	-0.05	
1.640e+04												
						199.8	-296.66	-900.06	1.35e-03	-1.79e-04	0.09	-
2.945e+04												
171	81	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.79e-04	-0.18	-
2.591e+04												
		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.79e-04	-0.05	
1.640e+04												
						199.8	-296.66	-900.06	1.35e-03	-1.79e-04	0.09	-
2.945e+04												
171	82	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.79e-04	-0.18	-
2.591e+04												
		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.79e-04	-0.05	
1.640e+04												
						199.8	-296.66	-900.06	1.35e-03	-1.79e-04	0.09	-
2.945e+04												
172	1	2.364e+04	1.22	-6.56e-03	-2294.28	0.0	-698.30	1105.03	-7.40e-03	0.02	1.22	-
2.946e+04												
		-3.787e+04	-0.25	0.0	0.0	99.9	-698.30	-42.11	-7.40e-03	0.02	0.48	
2.364e+04												
						199.8	-698.30	-1189.25	-7.40e-03	0.02	-0.25	-
3.787e+04												
172	2	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	

1.818e+04						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
172	11	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	-
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
172	17	1.838e+04	346.47	-5.16e-03	-1764.83	0.0	-559.61	845.64	-3.06	0.17	346.47	-
2.203e+04												
		-2.938e+04	-274.59	2.25e-04	0.0	99.9	-559.61	-36.78	-3.06	0.17	35.94	-
1.838e+04												
						199.8	-559.61	-919.19	-3.06	0.17	-274.59	-
2.938e+04												
172	18	1.799e+04	274.20	-4.93e-03	-1764.83	0.0	-514.69	854.41	3.05	-0.14	-344.59	-
2.330e+04												
		-2.889e+04	-344.59	-2.26e-04	0.0	99.9	-514.69	-28.01	3.05	-0.14	-35.19	-
1.799e+04												
						199.8	-514.69	-910.42	3.05	-0.14	274.20	-
2.889e+04												
172	20	1.840e+04	359.35	-5.17e-03	-1764.83	0.0	-556.58	845.62	-0.35	0.14	359.35	-
2.202e+04												
		-2.933e+04	-8.49	1.18e-04	0.0	99.9	-556.58	-36.80	-0.35	0.14	175.43	-
1.840e+04												
						199.8	-556.58	-919.21	-0.35	0.14	-8.49	-
2.933e+04												
172	21	1.834e+04	57.65	-5.20e-03	-1764.83	0.0	-559.43	846.20	-3.14	-0.28	57.65	-
2.211e+04												
		-2.938e+04	-283.33	-3.12e-04	0.0	99.9	-559.43	-36.21	-3.14	-0.28	-112.84	-
1.834e+04												
						199.8	-559.43	-918.63	-3.14	-0.28	-283.33	-
2.938e+04												
172	40	1.835e+04	566.03	-5.05e-03	-1764.83	0.0	-538.67	847.82	4.12	0.69	566.03	-
2.234e+04												
		-2.912e+04	414.16	6.87e-04	0.0	99.9	-538.67	-34.60	4.12	0.69	490.09	-
1.835e+04												
						199.8	-538.67	-917.01	4.12	0.69	414.16	-
2.912e+04												
172	43	1.802e+04	-414.55	-5.04e-03	-1764.83	0.0	-535.64	852.23	-4.13	-0.66	-564.15	-
2.298e+04												
		-2.915e+04	-564.15	-6.88e-04	0.0	99.9	-535.64	-30.19	-4.13	-0.66	-489.35	-
1.802e+04												
						199.8	-535.64	-912.60	-4.13	-0.66	-414.55	-
2.915e+04												
172	49	1.830e+04	209.24	-5.11e-03	-1764.83	0.0	-550.32	847.45	-1.85	0.12	209.24	-
2.229e+04												
		-2.928e+04	-165.64	1.60e-04	0.0	99.9	-550.32	-34.96	-1.85	0.12	21.80	-
1.830e+04												
						199.8	-550.32	-917.38	-1.85	0.12	-165.64	-
2.928e+04												
172	50	1.807e+04	165.25	-4.98e-03	-1764.83	0.0	-523.99	852.59	1.84	-0.09	-207.35	-
2.303e+04												
		-2.899e+04	-207.35	-1.60e-04	0.0	99.9	-523.99	-29.82	1.84	-0.09	-21.05	-
1.807e+04												
						199.8	-523.99	-912.24	1.84	-0.09	165.25	-
2.899e+04												
172	52	1.831e+04	215.11	-5.12e-03	-1764.83	0.0	-548.40	847.45	-0.17	0.09	215.11	-
2.229e+04												
		-2.925e+04	-1.96	8.18e-05	0.0	99.9	-548.40	-34.96	-0.17	0.09	106.58	-
1.831e+04												
						199.8	-548.40	-917.38	-0.17	0.09	-1.96	-
2.925e+04												
172	53	1.827e+04	27.99	-5.13e-03	-1764.83	0.0	-550.14	847.81	-1.86	-0.17	27.99	-
2.234e+04												
		-2.928e+04	-166.55	-2.10e-04	0.0	99.9	-550.14	-34.60	-1.86	-0.17	-69.28	-
1.827e+04												
						199.8	-550.14	-917.02	-1.86	-0.17	-166.55	-
2.928e+04												
172	72	1.829e+04	349.00	-5.04e-03	-1764.83	0.0	-537.89	848.70	2.51	0.44	349.00	-
2.247e+04												
		-2.912e+04	248.91	4.66e-04	0.0	99.9	-537.89	-33.71	2.51	0.44	298.95	-
1.829e+04												
						199.8	-537.89	-916.13	2.51	0.44	248.91	-
2.912e+04												
172	75	1.808e+04	-249.30	-5.05e-03	-1764.83	0.0	-536.42	851.34	-2.52	-0.41	-347.11	-

2.286e+04												
1.808e+04		-2.914e+04	-347.11	-4.67e-04	0.0	99.9	-536.42	-31.07	-2.52	-0.41	-298.21	
						199.8	-536.42	-913.49	-2.52	-0.41	-249.30	-
2.914e+04												
172	80	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
172	81	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
172	82	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
173	1	2.847e+04	2.43	-0.02	-2294.16	0.0	-684.85	1120.98	0.03	0.14	-4.28	-
2.622e+04												
		-3.143e+04	-4.28	-2.50e-06	0.0	99.9	-684.85	-26.10	0.03	0.14	-0.93	
2.847e+04												
						199.8	-684.85	-1173.18	0.03	0.14	2.43	-
3.143e+04												
173	2	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04												
		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04												
						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
173	11	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04												
		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04												
						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
173	17	2.209e+04	237.28	-0.01	-1764.74	0.0	-561.27	861.49	-2.06	0.34	237.28	-
1.990e+04												
		-2.408e+04	-183.16	2.51e-04	0.0	99.9	-561.27	-20.88	-2.06	0.34	27.06	
2.209e+04												
						199.8	-561.27	-903.25	-2.06	0.34	-183.16	-
2.408e+04												
173	18	2.172e+04	186.89	-0.01	-1764.74	0.0	-492.36	863.10	2.12	-0.13	-243.87	-
2.044e+04												
		-2.428e+04	-243.87	-2.55e-04	0.0	99.9	-492.36	-19.27	2.12	-0.13	-28.49	
2.172e+04												
						199.8	-492.36	-901.65	2.12	-0.13	186.89	-
2.428e+04												
173	20	2.210e+04	70.61	-0.01	-1764.74	0.0	-558.02	861.74	0.60	0.05	-45.93	-
1.992e+04												
		-2.404e+04	-45.93	3.14e-05	0.0	99.9	-558.02	-20.63	0.60	0.05	12.34	
2.210e+04												
						199.8	-558.02	-903.00	0.60	0.05	70.61	-
2.404e+04												
173	23	2.171e+04	39.35	-0.01	-1764.74	0.0	-495.60	862.85	-0.55	0.16	39.35	-
2.041e+04												
		-2.432e+04	-66.88	-3.52e-05	0.0	99.9	-495.60	-19.52	-0.55	0.16	-13.76	
2.171e+04												
						199.8	-495.60	-901.89	-0.55	0.16	-66.88	-
2.432e+04												
173	41	2.194e+04	542.69	-0.01	-1764.74	0.0	-541.52	861.58	-5.29	0.56	542.69	-
2.005e+04												
		-2.423e+04	-524.46	-8.94e-05	0.0	99.9	-541.52	-20.79	-5.29	0.56	9.11	
2.194e+04												
						199.8	-541.52	-903.16	-5.29	0.56	-524.46	-
2.423e+04												
173	42	2.187e+04	528.20	-0.01	-1764.74	0.0	-512.11	863.01	5.34	-0.34	-549.27	-
2.028e+04												
		-2.413e+04	-549.27	8.56e-05	0.0	99.9	-512.11	-19.37	5.34	-0.34	-10.54	
2.187e+04												
						199.8	-512.11	-901.74	5.34	-0.34	528.20	-

2.413e+04												
173	49	2.201e+04	141.65	-0.01	-1764.74	0.0	-546.98	861.83	-1.23	0.25	141.65	-
2.001e+04		-2.412e+04	-107.78	1.68e-04	0.0	99.9	-546.98	-20.54	-1.23	0.25	16.93	
2.201e+04						199.8	-546.98	-902.92	-1.23	0.25	-107.78	-
2.412e+04												
173	50	2.179e+04	111.52	-0.01	-1764.74	0.0	-506.65	862.76	1.28	-0.04	-148.23	-
2.033e+04		-2.424e+04	-148.23	-1.71e-04	0.0	99.9	-506.65	-19.61	1.28	-0.04	-18.36	
2.179e+04						199.8	-506.65	-901.98	1.28	-0.04	111.52	-
2.424e+04												
173	52	2.202e+04	54.81	-0.01	-1764.74	0.0	-544.89	861.98	0.47	0.07	-37.97	-
2.003e+04		-2.409e+04	-37.97	1.32e-05	0.0	99.9	-544.89	-20.39	0.47	0.07	8.42	
2.202e+04						199.8	-544.89	-902.76	0.47	0.07	54.81	-
2.409e+04												
173	55	2.179e+04	31.39	-0.01	-1764.74	0.0	-508.73	862.61	-0.42	0.14	31.39	-
2.031e+04		-2.426e+04	-51.07	-1.71e-05	0.0	99.9	-508.73	-19.76	-0.42	0.14	-9.84	
2.179e+04						199.8	-508.73	-902.14	-0.42	0.14	-51.07	-
2.426e+04												
173	74	2.189e+04	340.34	-0.01	-1764.74	0.0	-518.06	862.74	3.41	-0.17	-346.60	-
2.024e+04		-2.414e+04	-346.60	5.06e-05	0.0	99.9	-518.06	-19.63	3.41	-0.17	-3.13	
2.189e+04						199.8	-518.06	-902.00	3.41	-0.17	340.34	-
2.414e+04												
173	80	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
173	81	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
173	82	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
174	1	4.757e+04	0.90	-9.39e-03	-2583.79	0.0	-713.23	1291.90	0.0	0.0	0.90	-
2.511e+04		-2.511e+04	0.90	0.0	0.0	112.5	-713.23	1.51e-05	0.0	0.0	0.90	
4.757e+04						225.0	-713.23	-1291.90	0.0	0.0	0.90	-
2.511e+04												
174	2	3.659e+04	0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	0.69	-
1.932e+04		-1.932e+04	0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	0.69	
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	0.69	-
1.932e+04												
174	11	3.659e+04	0.69	-7.22e-03	-1987.53	0.0	-548.64	993.77	0.0	0.0	0.69	-
1.932e+04		-1.932e+04	0.69	0.0	0.0	112.5	-548.64	1.16e-05	0.0	0.0	0.69	
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	0.69	-
1.932e+04												
174	16	3.659e+04	18.90	-7.44e-03	-1987.53	0.0	-548.69	993.56	-0.16	0.02	18.90	-
1.930e+04		-1.934e+04	-17.40	-6.86e-04	0.0	112.5	-548.69	-0.21	-0.16	0.02	0.75	
3.659e+04						225.0	-548.69	-993.97	-0.16	0.02	-17.40	-
1.934e+04												
174	19	3.659e+04	18.78	-7.01e-03	-1987.53	0.0	-548.58	993.97	0.16	-0.02	-17.52	-
1.934e+04		-1.934e+04	-17.52	6.86e-04	0.0	112.5	-548.58	0.21	0.16	-0.02	0.63	

3.659e+04						225.0	-548.58	-993.56	0.16	-0.02	18.78	-
1.929e+04						0.0	-548.59	994.18	1.55	-0.21	-173.90	-
174	27	3.659e+04	175.16	-7.10e-03	-1987.53							
1.936e+04						112.5	-548.59	0.41	1.55	-0.21	0.63	-
		-1.936e+04	-173.90	-2.32e-04	0.0							
3.659e+04						225.0	-548.59	-993.35	1.55	-0.21	175.16	-
1.927e+04						0.0	-548.65	996.35	4.85	-0.38	-545.54	-
174	41	3.659e+04	546.95	-6.08e-03	-1987.53							
1.961e+04						112.5	-548.65	2.59	4.85	-0.38	0.71	-
		-1.961e+04	-545.54	-9.76e-04	0.0							
3.659e+04						225.0	-548.65	-991.18	4.85	-0.38	546.95	-
1.903e+04						0.0	-548.62	991.18	-4.85	0.38	546.92	-
174	42	3.659e+04	546.92	-8.37e-03	-1987.53							
1.903e+04						112.5	-548.62	-2.59	-4.85	0.38	0.67	-
		-1.961e+04	-545.57	9.76e-04	0.0							
3.659e+04						225.0	-548.62	-996.35	-4.85	0.38	-545.57	-
1.961e+04						0.0	-548.67	993.64	-0.17	0.02	20.25	-
174	48	3.659e+04	20.25	-7.35e-03	-1987.53							
1.930e+04						112.5	-548.67	-0.13	-0.17	0.02	0.73	-
		-1.933e+04	-18.80	-4.19e-04	0.0							
3.659e+04						225.0	-548.67	-993.90	-0.17	0.02	-18.80	-
1.933e+04						0.0	-548.60	993.90	0.17	-0.02	-18.87	-
174	51	3.659e+04	20.18	-7.09e-03	-1987.53							
1.933e+04						112.5	-548.60	0.13	0.17	-0.02	0.65	-
		-1.933e+04	-18.87	4.19e-04	0.0							
3.659e+04						225.0	-548.60	-993.64	0.17	-0.02	20.18	-
1.930e+04						0.0	-548.61	994.02	0.96	-0.13	-106.99	-
174	59	3.659e+04	108.30	-7.14e-03	-1987.53							
1.935e+04						112.5	-548.61	0.26	0.96	-0.13	0.66	-
		-1.935e+04	-106.99	-1.07e-04	0.0							
3.659e+04						225.0	-548.61	-993.51	0.96	-0.13	108.30	-
1.929e+04						0.0	-548.65	995.48	3.05	-0.23	-342.79	-
174	73	3.659e+04	344.19	-6.46e-03	-1987.53							
1.951e+04						112.5	-548.65	1.71	3.05	-0.23	0.70	-
		-1.951e+04	-342.79	-6.26e-04	0.0							
3.659e+04						225.0	-548.65	-992.05	3.05	-0.23	344.19	-
1.913e+04						0.0	-548.63	992.05	-3.05	0.23	344.17	-
174	74	3.659e+04	344.17	-7.98e-03	-1987.53							
1.913e+04						112.5	-548.63	-1.71	-3.05	0.23	0.68	-
		-1.951e+04	-342.81	6.26e-04	0.0							
3.659e+04						225.0	-548.63	-995.48	-3.05	0.23	-342.81	-
1.951e+04						0.0	-548.64	993.77	0.0	0.0	0.69	-
174	80	3.659e+04	0.69	-7.22e-03	-1987.53							
1.932e+04						112.5	-548.64	1.16e-05	0.0	0.0	0.69	-
		-1.932e+04	0.69	0.0	0.0							
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	0.69	-
1.932e+04						0.0	-548.64	993.77	0.0	0.0	0.69	-
174	81	3.659e+04	0.69	-7.22e-03	-1987.53							
1.932e+04						112.5	-548.64	1.16e-05	0.0	0.0	0.69	-
		-1.932e+04	0.69	0.0	0.0							
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	0.69	-
1.932e+04						0.0	-548.64	993.77	0.0	0.0	0.69	-
174	82	3.659e+04	0.69	-7.22e-03	-1987.53							
1.932e+04						112.5	-548.64	1.16e-05	0.0	0.0	0.69	-
		-1.932e+04	0.69	0.0	0.0							
3.659e+04						225.0	-548.64	-993.77	0.0	0.0	0.69	-
1.932e+04						0.0	-708.28	1291.90	0.0	0.0	-0.75	-
175	1	4.764e+04	-0.75	-9.41e-03	-2583.79							
2.504e+04						112.5	-708.28	1.51e-05	0.0	0.0	-0.75	-
		-2.504e+04	-0.75	0.0	0.0							
4.764e+04						225.0	-708.28	-1291.90	0.0	0.0	-0.75	-
2.504e+04						0.0	-544.83	993.77	0.0	0.0	-0.57	-
175	2	3.664e+04	-0.57	-7.24e-03	-1987.53							

1.926e+04												
3.664e+04		-1.926e+04	-0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	-0.57	
1.926e+04						225.0	-544.83	-993.77	0.0	0.0	-0.57	-
1.926e+04	11	3.664e+04	-0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	-0.57	-
1.926e+04		-1.926e+04	-0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	-0.57	
3.664e+04						225.0	-544.83	-993.77	0.0	0.0	-0.57	-
1.926e+04	17	3.664e+04	458.35	-7.08e-03	-1987.53	0.0	-544.82	994.22	4.08	-0.25	-459.58	-
1.932e+04		-1.932e+04	-459.58	-1.89e-04	0.0	112.5	-544.82	0.46	4.08	-0.25	-0.62	
3.664e+04						225.0	-544.82	-993.31	4.08	-0.25	458.35	-
1.921e+04	18	3.664e+04	458.43	-7.39e-03	-1987.53	0.0	-544.83	993.31	-4.08	0.25	458.43	-
1.921e+04		-1.932e+04	-459.50	1.89e-04	0.0	112.5	-544.83	-0.46	-4.08	0.25	-0.53	
3.664e+04						225.0	-544.83	-994.22	-4.08	0.25	-459.50	-
1.932e+04	19	3.664e+04	23.52	-7.01e-03	-1987.53	0.0	-544.83	994.04	-0.21	-0.10	23.52	-
1.929e+04		-1.929e+04	-24.58	6.79e-04	0.0	112.5	-544.83	0.27	-0.21	-0.10	-0.53	
3.664e+04						225.0	-544.83	-993.49	-0.21	-0.10	-24.58	-
1.923e+04	33	3.664e+04	796.72	-6.62e-03	-1987.53	0.0	-544.83	995.01	7.09	-0.60	-797.90	-
1.940e+04		-1.940e+04	-797.90	7.18e-04	0.0	112.5	-544.83	1.25	7.09	-0.60	-0.59	
3.664e+04						225.0	-544.83	-992.52	7.09	-0.60	796.72	-
1.912e+04	34	3.664e+04	796.75	-7.86e-03	-1987.53	0.0	-544.83	992.52	-7.09	0.60	796.75	-
1.912e+04		-1.940e+04	-797.87	-7.18e-04	0.0	112.5	-544.83	-1.25	-7.09	0.60	-0.56	
3.664e+04						225.0	-544.83	-995.01	-7.09	0.60	-797.87	-
1.940e+04	41	3.664e+04	763.31	-6.09e-03	-1987.53	0.0	-544.83	996.11	6.79	-0.50	-764.49	-
1.953e+04		-1.953e+04	-764.49	-9.67e-04	0.0	112.5	-544.83	2.34	6.79	-0.50	-0.59	
3.664e+04						225.0	-544.83	-991.43	6.79	-0.50	763.31	-
1.900e+04	49	3.664e+04	278.05	-7.14e-03	-1987.53	0.0	-544.83	994.06	2.48	-0.16	-279.25	-
1.930e+04		-1.930e+04	-279.25	-9.65e-05	0.0	112.5	-544.83	0.29	2.48	-0.16	-0.60	
3.664e+04						225.0	-544.83	-993.47	2.48	-0.16	278.05	-
1.923e+04	50	3.664e+04	278.10	-7.34e-03	-1987.53	0.0	-544.83	993.47	-2.48	0.16	278.10	-
1.923e+04		-1.930e+04	-279.20	9.69e-05	0.0	112.5	-544.83	-0.29	-2.48	0.16	-0.55	
3.664e+04						225.0	-544.83	-994.06	-2.48	0.16	-279.20	-
1.930e+04	51	3.664e+04	0.14	-7.10e-03	-1987.53	0.0	-544.83	993.94	-6.15e-03	-0.07	0.14	-
1.928e+04		-1.928e+04	-1.24	4.14e-04	0.0	112.5	-544.83	0.18	-6.15e-03	-0.07	-0.55	
3.664e+04						225.0	-544.83	-993.59	-6.15e-03	-0.07	-1.24	-
1.924e+04	65	3.664e+04	504.59	-6.84e-03	-1987.53	0.0	-544.83	994.56	4.49	-0.39	-505.75	-
1.935e+04		-1.935e+04	-505.75	4.76e-04	0.0	112.5	-544.83	0.80	4.49	-0.39	-0.58	
3.664e+04						225.0	-544.83	-992.97	4.49	-0.39	504.59	-
1.917e+04	66	3.664e+04	504.61	-7.64e-03	-1987.53	0.0	-544.83	992.97	-4.49	0.39	504.61	-
1.917e+04		-1.935e+04	-505.74	-4.76e-04	0.0	112.5	-544.83	-0.80	-4.49	0.39	-0.57	
3.664e+04						225.0	-544.83	-994.56	-4.49	0.39	-505.74	-

1.935e+04												
175	73	3.664e+04	460.41	-6.47e-03	-1987.53	0.0	-544.83	995.32	4.10	-0.31	-461.57	-
1.944e+04		-1.944e+04	-461.57	-6.21e-04	0.0	112.5	-544.83	1.55	4.10	-0.31	-0.58	
3.664e+04						225.0	-544.83	-992.22	4.10	-0.31	460.41	-
1.909e+04												
175	80	3.664e+04	-0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	-0.57	-
1.926e+04		-1.926e+04	-0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	-0.57	
3.664e+04						225.0	-544.83	-993.77	0.0	0.0	-0.57	-
1.926e+04												
175	81	3.664e+04	-0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	-0.57	-
1.926e+04		-1.926e+04	-0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	-0.57	
3.664e+04						225.0	-544.83	-993.77	0.0	0.0	-0.57	-
1.926e+04												
175	82	3.664e+04	-0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	-0.57	-
1.926e+04		-1.926e+04	-0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	-0.57	
3.664e+04						225.0	-544.83	-993.77	0.0	0.0	-0.57	-
1.926e+04												
176	1	4.764e+04	0.11	-9.41e-03	-2583.79	0.0	-707.74	1291.90	0.0	0.0	0.11	-
2.504e+04		-2.504e+04	0.11	0.0	0.0	112.5	-707.74	1.51e-05	0.0	0.0	0.11	
4.764e+04						225.0	-707.74	-1291.90	0.0	0.0	0.11	-
2.504e+04												
176	2	3.665e+04	0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	0.09	-
1.926e+04		-1.926e+04	0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	0.09	
3.665e+04						225.0	-544.42	-993.77	0.0	0.0	0.09	-
1.926e+04												
176	11	3.665e+04	0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	0.09	-
1.926e+04		-1.926e+04	0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	0.09	
3.665e+04						225.0	-544.42	-993.77	0.0	0.0	0.09	-
1.926e+04												
176	17	3.665e+04	673.34	-7.01e-03	-1987.53	0.0	-544.40	994.29	5.98	-0.13	-673.15	-
1.932e+04		-1.932e+04	-673.15	-2.07e-04	0.0	112.5	-544.40	0.53	5.98	-0.13	0.09	
3.665e+04						225.0	-544.40	-993.24	5.98	-0.13	673.34	-
1.920e+04												
176	18	3.665e+04	673.33	-7.47e-03	-1987.53	0.0	-544.44	993.24	-5.98	0.13	673.33	-
1.920e+04		-1.932e+04	-673.16	2.07e-04	0.0	112.5	-544.44	-0.53	-5.98	0.13	0.08	
3.665e+04						225.0	-544.44	-994.29	-5.98	0.13	-673.16	-
1.932e+04												
176	19	3.665e+04	172.09	-7.00e-03	-1987.53	0.0	-544.44	994.16	-1.53	-0.34	172.09	-
1.930e+04		-1.930e+04	-171.93	6.75e-04	0.0	112.5	-544.44	0.40	-1.53	-0.34	0.08	
3.665e+04						225.0	-544.44	-993.37	-1.53	-0.34	-171.93	-
1.921e+04												
176	36	3.665e+04	966.47	-8.01e-03	-1987.53	0.0	-544.41	992.21	-8.59	0.76	966.47	-
1.908e+04		-1.943e+04	-966.29	-6.95e-04	0.0	112.5	-544.41	-1.55	-8.59	0.76	0.09	
3.665e+04						225.0	-544.41	-995.32	-8.59	0.76	-966.29	-
1.943e+04												
176	39	3.665e+04	966.46	-6.47e-03	-1987.53	0.0	-544.42	995.32	8.59	-0.76	-966.29	-
1.943e+04		-1.943e+04	-966.29	6.95e-04	0.0	112.5	-544.42	1.55	8.59	-0.76	0.08	
3.665e+04						225.0	-544.42	-992.21	8.59	-0.76	966.46	-
1.908e+04												
176	41	3.665e+04	652.69	-6.16e-03	-1987.53	0.0	-544.41	995.96	-5.80	0.75	652.69	-
1.951e+04		-1.951e+04	-652.51	-9.63e-04	0.0	112.5	-544.41	2.19	-5.80	0.75	0.09	

3.665e+04						225.0	-544.41	-991.57	-5.80	0.75	-652.51	-
1.901e+04												
176	49	3.665e+04	406.17	-7.09e-03	-1987.53	0.0	-544.41	994.10	3.61	-0.09	-405.99	-
1.930e+04												
		-1.930e+04	-405.99	-1.08e-04	0.0	112.5	-544.41	0.34	3.61	-0.09	0.09	-
3.665e+04												
						225.0	-544.41	-993.43	3.61	-0.09	406.17	-
1.922e+04												
176	50	3.665e+04	406.17	-7.39e-03	-1987.53	0.0	-544.43	993.43	-3.61	0.09	406.17	-
1.922e+04												
		-1.930e+04	-406.00	1.08e-04	0.0	112.5	-544.43	-0.34	-3.61	0.09	0.08	-
3.665e+04												
						225.0	-544.43	-994.10	-3.61	0.09	-406.00	-
1.930e+04												
176	51	3.665e+04	83.53	-7.09e-03	-1987.53	0.0	-544.43	994.03	-0.74	-0.21	83.53	-
1.929e+04												
		-1.929e+04	-83.37	4.12e-04	0.0	112.5	-544.43	0.26	-0.74	-0.21	0.08	-
3.665e+04												
						225.0	-544.43	-993.50	-0.74	-0.21	-83.37	-
1.923e+04												
176	68	3.665e+04	611.30	-7.74e-03	-1987.53	0.0	-544.41	992.75	-5.43	0.50	611.30	-
1.914e+04												
		-1.937e+04	-611.13	-4.65e-04	0.0	112.5	-544.41	-1.01	-5.43	0.50	0.09	-
3.665e+04												
						225.0	-544.41	-994.78	-5.43	0.50	-611.13	-
1.937e+04												
176	71	3.665e+04	611.30	-6.74e-03	-1987.53	0.0	-544.42	994.78	5.43	-0.50	-611.13	-
1.937e+04												
		-1.937e+04	-611.13	4.65e-04	0.0	112.5	-544.42	1.01	5.43	-0.50	0.09	-
3.665e+04												
						225.0	-544.42	-992.75	5.43	-0.50	611.30	-
1.914e+04												
176	73	3.665e+04	417.51	-6.53e-03	-1987.53	0.0	-544.41	995.22	-3.71	0.48	417.51	-
1.942e+04												
		-1.942e+04	-417.33	-6.19e-04	0.0	112.5	-544.41	1.45	-3.71	0.48	0.09	-
3.665e+04												
						225.0	-544.41	-992.31	-3.71	0.48	-417.33	-
1.909e+04												
176	80	3.665e+04	0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	0.09	-
1.926e+04												
		-1.926e+04	0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	0.09	-
3.665e+04												
						225.0	-544.42	-993.77	0.0	0.0	0.09	-
1.926e+04												
176	81	3.665e+04	0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	0.09	-
1.926e+04												
		-1.926e+04	0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	0.09	-
3.665e+04												
						225.0	-544.42	-993.77	0.0	0.0	0.09	-
1.926e+04												
176	82	3.665e+04	0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	0.09	-
1.926e+04												
		-1.926e+04	0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	0.09	-
3.665e+04												
						225.0	-544.42	-993.77	0.0	0.0	0.09	-
1.926e+04												
177	1	4.764e+04	-2.19e-04	-9.41e-03	-2583.79	0.0	-707.76	1291.90	0.0	0.0	-2.19e-04	-
2.504e+04												
		-2.504e+04	-2.19e-04	0.0	0.0	112.5	-707.76	1.51e-05	0.0	0.0	-2.19e-04	-
4.764e+04												
						225.0	-707.76	-1291.90	0.0	0.0	-2.19e-04	-
2.504e+04												
177	2	3.665e+04	-1.69e-04	-7.24e-03	-1987.53	0.0	-544.43	993.77	0.0	0.0	-1.69e-04	-
1.926e+04												
		-1.926e+04	-1.69e-04	0.0	0.0	112.5	-544.43	1.16e-05	0.0	0.0	-1.69e-04	-
3.665e+04												
						225.0	-544.43	-993.77	0.0	0.0	-1.69e-04	-
1.926e+04												
177	11	3.665e+04	-1.69e-04	-7.24e-03	-1987.53	0.0	-544.43	993.77	0.0	0.0	-1.69e-04	-
1.926e+04												
		-1.926e+04	-1.69e-04	0.0	0.0	112.5	-544.43	1.16e-05	0.0	0.0	-1.69e-04	-
3.665e+04												
						225.0	-544.43	-993.77	0.0	0.0	-1.69e-04	-
1.926e+04												
177	25	3.665e+04	296.28	-6.96e-03	-1987.53	0.0	-544.43	994.33	-2.63	-0.35	296.28	-

1.932e+04												
3.665e+04		-1.932e+04	-296.29	7.32e-04	0.0	112.5	-544.43	0.57	-2.63	-0.35	-4.56e-03	
1.919e+04						225.0	-544.43	-993.20	-2.63	-0.35	-296.29	-
1.919e+04	26	3.665e+04	296.29	-7.52e-03	-1987.53	0.0	-544.43	993.20	2.63	0.35	-296.28	-
3.665e+04		-1.932e+04	-296.28	-7.32e-04	0.0	112.5	-544.43	-0.57	2.63	0.35	4.23e-03	
1.932e+04						225.0	-544.43	-994.33	2.63	0.35	296.29	-
1.905e+04	36	3.665e+04	1012.17	-8.17e-03	-1987.53	0.0	-544.43	991.89	-9.00	0.79	1012.17	-
3.665e+04		-1.947e+04	-1012.17	-6.92e-04	0.0	112.5	-544.43	-1.88	-9.00	0.79	-1.49e-03	
1.947e+04						225.0	-544.43	-995.65	-9.00	0.79	-1012.17	-
1.905e+04	38	3.665e+04	681.93	-8.17e-03	-1987.53	0.0	-544.43	991.88	-6.06	0.86	681.93	-
3.665e+04		-1.947e+04	-681.93	-9.80e-04	0.0	112.5	-544.43	-1.88	-6.06	0.86	1.15e-03	
1.947e+04						225.0	-544.43	-995.65	-6.06	0.86	-681.93	-
1.947e+04	39	3.665e+04	1012.17	-6.31e-03	-1987.53	0.0	-544.43	995.65	9.00	-0.79	-1012.17	-
3.665e+04		-1.947e+04	-1012.17	6.92e-04	0.0	112.5	-544.43	1.88	9.00	-0.79	1.15e-03	
1.905e+04						225.0	-544.43	-991.89	9.00	-0.79	1012.17	-
1.930e+04	57	3.665e+04	143.21	-7.06e-03	-1987.53	0.0	-544.43	994.14	-1.27	-0.22	143.21	-
3.665e+04		-1.930e+04	-143.21	4.34e-04	0.0	112.5	-544.43	0.37	-1.27	-0.22	-2.64e-03	
1.922e+04						225.0	-544.43	-993.39	-1.27	-0.22	-143.21	-
1.922e+04	58	3.665e+04	143.21	-7.42e-03	-1987.53	0.0	-544.43	993.39	1.27	0.22	-143.21	-
3.665e+04		-1.930e+04	-143.21	-4.34e-04	0.0	112.5	-544.43	-0.37	1.27	0.22	2.30e-03	
1.930e+04						225.0	-544.43	-994.14	1.27	0.22	143.21	-
1.912e+04	68	3.665e+04	644.64	-7.85e-03	-1987.53	0.0	-544.43	992.53	-5.73	0.52	644.64	-
3.665e+04		-1.940e+04	-644.64	-4.63e-04	0.0	112.5	-544.43	-1.24	-5.73	0.52	-9.10e-04	
1.940e+04						225.0	-544.43	-995.00	-5.73	0.52	-644.64	-
1.912e+04	70	3.665e+04	459.35	-7.85e-03	-1987.53	0.0	-544.43	992.53	-4.08	0.56	459.35	-
3.665e+04		-1.940e+04	-459.35	-6.25e-04	0.0	112.5	-544.43	-1.24	-4.08	0.56	5.73e-04	
1.940e+04						225.0	-544.43	-995.00	-4.08	0.56	-459.35	-
1.940e+04	71	3.665e+04	644.64	-6.63e-03	-1987.53	0.0	-544.43	995.00	5.73	-0.52	-644.64	-
3.665e+04		-1.940e+04	-644.64	4.63e-04	0.0	112.5	-544.43	1.24	5.73	-0.52	5.73e-04	
1.912e+04						225.0	-544.43	-992.53	5.73	-0.52	644.64	-
1.926e+04	80	3.665e+04	-1.69e-04	-7.24e-03	-1987.53	0.0	-544.43	993.77	0.0	0.0	-1.69e-04	-
3.665e+04		-1.926e+04	-1.69e-04	0.0	0.0	112.5	-544.43	1.16e-05	0.0	0.0	-1.69e-04	
1.926e+04						225.0	-544.43	-993.77	0.0	0.0	-1.69e-04	-
1.926e+04	81	3.665e+04	-1.69e-04	-7.24e-03	-1987.53	0.0	-544.43	993.77	0.0	0.0	-1.69e-04	-
3.665e+04		-1.926e+04	-1.69e-04	0.0	0.0	112.5	-544.43	1.16e-05	0.0	0.0	-1.69e-04	
1.926e+04						225.0	-544.43	-993.77	0.0	0.0	-1.69e-04	-
1.926e+04	82	3.665e+04	-1.69e-04	-7.24e-03	-1987.53	0.0	-544.43	993.77	0.0	0.0	-1.69e-04	-
3.665e+04		-1.926e+04	-1.69e-04	0.0	0.0	112.5	-544.43	1.16e-05	0.0	0.0	-1.69e-04	
						225.0	-544.43	-993.77	0.0	0.0	-1.69e-04	-

1.926e+04												
178	1	4.764e+04	-0.11	-9.41e-03	-2583.79	0.0	-707.74	1291.90	0.0	0.0	-0.11	-
2.504e+04		-2.504e+04	-0.11	0.0	0.0	112.5	-707.74	1.51e-05	0.0	0.0	-0.11	-
4.764e+04						225.0	-707.74	-1291.90	0.0	0.0	-0.11	-
2.504e+04												
178	2	3.665e+04	-0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	-0.09	-
1.926e+04		-1.926e+04	-0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	-0.09	-
3.665e+04						225.0	-544.42	-993.77	0.0	0.0	-0.09	-
1.926e+04												
178	11	3.665e+04	-0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	-0.09	-
1.926e+04		-1.926e+04	-0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	-0.09	-
3.665e+04						225.0	-544.42	-993.77	0.0	0.0	-0.09	-
1.926e+04												
178	17	3.665e+04	656.50	-6.91e-03	-1987.53	0.0	-544.44	994.36	5.84	-0.11	-656.66	-
1.932e+04		-1.932e+04	-656.66	-2.06e-04	0.0	112.5	-544.44	0.59	5.84	-0.11	-0.08	-
3.665e+04						225.0	-544.44	-993.18	5.84	-0.11	656.50	-
1.919e+04												
178	21	3.665e+04	172.45	-7.00e-03	-1987.53	0.0	-544.44	994.16	1.53	0.34	-172.61	-
1.930e+04		-1.930e+04	-172.61	-6.75e-04	0.0	112.5	-544.44	0.40	1.53	0.34	-0.08	-
3.665e+04						225.0	-544.44	-993.37	1.53	0.34	172.45	-
1.921e+04												
178	22	3.665e+04	172.44	-7.47e-03	-1987.53	0.0	-544.40	993.37	-1.53	-0.34	172.44	-
1.921e+04		-1.930e+04	-172.63	6.75e-04	0.0	112.5	-544.40	-0.40	-1.53	-0.34	-0.09	-
3.665e+04						225.0	-544.40	-994.16	-1.53	-0.34	-172.63	-
1.930e+04												
178	35	3.665e+04	651.48	-6.16e-03	-1987.53	0.0	-544.41	995.96	5.79	-0.75	-651.66	-
1.951e+04		-1.951e+04	-651.66	9.63e-04	0.0	112.5	-544.41	2.19	5.79	-0.75	-0.09	-
3.665e+04						225.0	-544.41	-991.57	5.79	-0.75	651.48	-
1.901e+04												
178	45	3.665e+04	964.45	-6.47e-03	-1987.53	0.0	-544.42	995.32	-8.57	0.76	964.45	-
1.943e+04		-1.943e+04	-964.62	-6.95e-04	0.0	112.5	-544.42	1.55	-8.57	0.76	-0.08	-
3.665e+04						225.0	-544.42	-992.21	-8.57	0.76	-964.62	-
1.908e+04												
178	46	3.665e+04	964.44	-8.01e-03	-1987.53	0.0	-544.41	992.21	8.57	-0.76	-964.62	-
1.908e+04		-1.943e+04	-964.62	6.95e-04	0.0	112.5	-544.41	-1.55	8.57	-0.76	-0.09	-
3.665e+04						225.0	-544.41	-995.32	8.57	-0.76	964.44	-
1.943e+04												
178	49	3.665e+04	392.05	-7.02e-03	-1987.53	0.0	-544.43	994.16	3.49	-0.08	-392.22	-
1.930e+04		-1.930e+04	-392.22	-1.07e-04	0.0	112.5	-544.43	0.39	3.49	-0.08	-0.08	-
3.665e+04						225.0	-544.43	-993.37	3.49	-0.08	392.05	-
1.921e+04												
178	53	3.665e+04	83.64	-7.09e-03	-1987.53	0.0	-544.43	994.03	0.74	0.21	-83.81	-
1.929e+04		-1.929e+04	-83.81	-4.12e-04	0.0	112.5	-544.43	0.26	0.74	0.21	-0.08	-
3.665e+04						225.0	-544.43	-993.50	0.74	0.21	83.64	-
1.923e+04												
178	54	3.665e+04	83.64	-7.39e-03	-1987.53	0.0	-544.41	993.50	-0.74	-0.21	83.64	-
1.923e+04		-1.929e+04	-83.82	4.12e-04	0.0	112.5	-544.41	-0.26	-0.74	-0.21	-0.09	-
3.665e+04						225.0	-544.41	-994.03	-0.74	-0.21	-83.82	-
1.929e+04												
178	67	3.665e+04	416.87	-6.53e-03	-1987.53	0.0	-544.41	995.22	3.71	-0.48	-417.04	-
1.942e+04		-1.942e+04	-417.04	6.19e-04	0.0	112.5	-544.41	1.45	3.71	-0.48	-0.09	-

3.665e+04												
1.909e+04					225.0	-544.41	-992.31	3.71	-0.48	416.87	-	
178	72	3.665e+04	610.98	-7.74e-03	-1987.53	0.0	-544.42	992.75	5.43	-0.50	-611.15	-
1.914e+04												
		-1.937e+04	-611.15	4.72e-04	0.0	112.5	-544.42	-1.01	5.43	-0.50	-0.09	-
3.665e+04												
					225.0	-544.42	-994.78	5.43	-0.50	610.98	-	
1.937e+04												
178	75	3.665e+04	610.98	-6.74e-03	-1987.53	0.0	-544.41	994.78	-5.43	0.50	610.98	-
1.937e+04												
		-1.937e+04	-611.16	-4.72e-04	0.0	112.5	-544.41	1.01	-5.43	0.50	-0.09	-
3.665e+04												
					225.0	-544.41	-992.75	-5.43	0.50	-611.16	-	
1.914e+04												
178	80	3.665e+04	-0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	-0.09	-
1.926e+04												
		-1.926e+04	-0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	-0.09	-
3.665e+04												
					225.0	-544.42	-993.77	0.0	0.0	-0.09	-	
1.926e+04												
178	81	3.665e+04	-0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	-0.09	-
1.926e+04												
		-1.926e+04	-0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	-0.09	-
3.665e+04												
					225.0	-544.42	-993.77	0.0	0.0	-0.09	-	
1.926e+04												
178	82	3.665e+04	-0.09	-7.24e-03	-1987.53	0.0	-544.42	993.77	0.0	0.0	-0.09	-
1.926e+04												
		-1.926e+04	-0.09	0.0	0.0	112.5	-544.42	1.16e-05	0.0	0.0	-0.09	-
3.665e+04												
					225.0	-544.42	-993.77	0.0	0.0	-0.09	-	
1.926e+04												
179	1	4.764e+04	0.75	-9.41e-03	-2583.79	0.0	-708.28	1291.90	0.0	0.0	0.75	-
2.504e+04												
		-2.504e+04	0.75	0.0	0.0	112.5	-708.28	1.51e-05	0.0	0.0	0.75	-
4.764e+04												
					225.0	-708.28	-1291.90	0.0	0.0	0.75	-	
2.504e+04												
179	2	3.664e+04	0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	0.57	-
1.926e+04												
		-1.926e+04	0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	0.57	-
3.664e+04												
					225.0	-544.83	-993.77	0.0	0.0	0.57	-	
1.926e+04												
179	11	3.664e+04	0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	0.57	-
1.926e+04												
		-1.926e+04	0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	0.57	-
3.664e+04												
					225.0	-544.83	-993.77	0.0	0.0	0.57	-	
1.926e+04												
179	16	3.664e+04	449.03	-7.55e-03	-1987.53	0.0	-544.83	992.98	3.99	-0.22	-447.96	-
1.918e+04												
		-1.935e+04	-447.96	-6.77e-04	0.0	112.5	-544.83	-0.79	3.99	-0.22	0.53	-
3.664e+04												
					225.0	-544.83	-994.55	3.99	-0.22	449.03	-	
1.935e+04												
179	17	3.664e+04	33.80	-6.85e-03	-1987.53	0.0	-544.83	994.37	0.30	0.06	-32.74	-
1.933e+04												
		-1.933e+04	-32.74	-1.74e-04	0.0	112.5	-544.83	0.60	0.30	0.06	0.53	-
3.664e+04												
					225.0	-544.83	-993.17	0.30	0.06	33.80	-	
1.920e+04												
179	19	3.664e+04	449.11	-6.92e-03	-1987.53	0.0	-544.82	994.55	-3.99	0.22	449.11	-
1.935e+04												
		-1.935e+04	-447.88	6.77e-04	0.0	112.5	-544.82	0.79	-3.99	0.22	0.62	-
3.664e+04												
					225.0	-544.82	-992.98	-3.99	0.22	-447.88	-	
1.918e+04												
179	35	3.664e+04	764.89	-6.09e-03	-1987.53	0.0	-544.83	996.11	-6.79	0.50	764.89	-
1.953e+04												
		-1.953e+04	-763.72	9.67e-04	0.0	112.5	-544.83	2.34	-6.79	0.50	0.59	-
3.664e+04												
					225.0	-544.83	-991.43	-6.79	0.50	-763.72	-	
1.900e+04												
179	40	3.664e+04	798.04	-7.86e-03	-1987.53	0.0	-544.83	992.52	7.09	-0.60	-796.91	-

1.912e+04												
3.664e+04		-1.940e+04	-796.91	7.18e-04	0.0	112.5	-544.83	-1.25	7.09	-0.60	0.56	
1.940e+04						225.0	-544.83	-995.01	7.09	-0.60	798.04	-
1.940e+04	43	3.664e+04	798.06	-6.62e-03	-1987.53	0.0	-544.83	995.01	-7.09	0.60	798.06	-
3.664e+04		-1.940e+04	-796.89	-7.18e-04	0.0	112.5	-544.83	1.25	-7.09	0.60	0.59	
1.912e+04						225.0	-544.83	-992.52	-7.09	0.60	-796.89	-
1.921e+04	48	3.664e+04	265.70	-7.45e-03	-1987.53	0.0	-544.83	993.25	2.36	-0.13	-264.60	-
3.664e+04		-1.932e+04	-264.60	-4.13e-04	0.0	112.5	-544.83	-0.52	2.36	-0.13	0.55	
1.932e+04						225.0	-544.83	-994.28	2.36	-0.13	265.70	-
1.931e+04	49	3.664e+04	14.07	-6.99e-03	-1987.53	0.0	-544.83	994.17	0.12	0.04	-12.97	-
3.664e+04		-1.931e+04	-12.97	-8.52e-05	0.0	112.5	-544.83	0.40	0.12	0.04	0.55	
1.922e+04						225.0	-544.83	-993.36	0.12	0.04	14.07	-
1.932e+04	51	3.664e+04	265.75	-7.03e-03	-1987.53	0.0	-544.83	994.28	-2.36	0.13	265.75	-
3.664e+04		-1.932e+04	-264.55	4.13e-04	0.0	112.5	-544.83	0.52	-2.36	0.13	0.60	
1.921e+04						225.0	-544.83	-993.25	-2.36	0.13	-264.55	-
1.944e+04	67	3.664e+04	461.76	-6.47e-03	-1987.53	0.0	-544.83	995.32	-4.10	0.31	461.76	-
3.664e+04		-1.944e+04	-460.60	6.21e-04	0.0	112.5	-544.83	1.55	-4.10	0.31	0.58	
1.909e+04						225.0	-544.83	-992.22	-4.10	0.31	-460.60	-
1.917e+04	72	3.664e+04	505.73	-7.64e-03	-1987.53	0.0	-544.83	992.97	4.49	-0.39	-504.59	-
3.664e+04		-1.935e+04	-504.59	4.76e-04	0.0	112.5	-544.83	-0.80	4.49	-0.39	0.57	
1.935e+04						225.0	-544.83	-994.56	4.49	-0.39	505.73	-
1.935e+04	75	3.664e+04	505.74	-6.84e-03	-1987.53	0.0	-544.83	994.56	-4.49	0.39	505.74	-
3.664e+04		-1.935e+04	-504.58	-4.76e-04	0.0	112.5	-544.83	0.80	-4.49	0.39	0.58	
1.917e+04						225.0	-544.83	-992.97	-4.49	0.39	-504.58	-
1.926e+04	80	3.664e+04	0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	0.57	-
3.664e+04		-1.926e+04	0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	0.57	
1.926e+04						225.0	-544.83	-993.77	0.0	0.0	0.57	-
1.926e+04	81	3.664e+04	0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	0.57	-
3.664e+04		-1.926e+04	0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	0.57	
1.926e+04						225.0	-544.83	-993.77	0.0	0.0	0.57	-
1.926e+04	82	3.664e+04	0.57	-7.24e-03	-1987.53	0.0	-544.83	993.77	0.0	0.0	0.57	-
3.664e+04		-1.926e+04	0.57	0.0	0.0	112.5	-544.83	1.16e-05	0.0	0.0	0.57	
1.926e+04						225.0	-544.83	-993.77	0.0	0.0	0.57	-
2.622e+04	1	2.847e+04	4.28	-0.02	-2294.16	0.0	-684.85	1120.98	-0.03	-0.14	4.28	-
2.847e+04		-3.143e+04	-2.43	2.50e-06	0.0	99.9	-684.85	-26.10	-0.03	-0.14	0.93	
3.143e+04						199.8	-684.85	-1173.18	-0.03	-0.14	-2.43	-
2.017e+04	2	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.190e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	
						199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-

2.418e+04	11	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
180												
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	
2.190e+04						199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-
2.418e+04	24	2.209e+04	190.19	-0.01	-1764.74	0.0	-561.39	861.51	2.14	-0.34	-244.55	-
180												
1.990e+04		-2.408e+04	-244.55	-2.44e-04	0.0	99.9	-561.39	-20.87	2.14	-0.34	-27.18	
2.209e+04						199.8	-561.39	-903.24	2.14	-0.34	190.19	-
2.408e+04	27	2.172e+04	251.14	-0.01	-1764.74	0.0	-492.23	863.08	-2.20	0.13	251.14	-
180												
2.044e+04		-2.428e+04	-193.92	2.47e-04	0.0	99.9	-492.23	-19.29	-2.20	0.13	28.61	
2.172e+04						199.8	-492.23	-901.66	-2.20	0.13	-193.92	-
2.428e+04	29	2.210e+04	38.37	-0.01	-1764.74	0.0	-558.14	861.75	-0.52	-0.05	38.37	-
180												
1.992e+04		-2.403e+04	-63.19	-2.52e-05	0.0	99.9	-558.14	-20.62	-0.52	-0.05	-12.41	
2.210e+04						199.8	-558.14	-902.99	-0.52	-0.05	-63.19	-
2.403e+04	30	2.171e+04	59.46	-0.01	-1764.74	0.0	-495.48	862.84	0.47	-0.16	-31.78	-
180												
2.041e+04		-2.432e+04	-31.78	2.91e-05	0.0	99.9	-495.48	-19.53	0.47	-0.16	13.84	
2.171e+04						199.8	-495.48	-901.90	0.47	-0.16	59.46	-
2.432e+04	44	2.194e+04	526.67	-0.01	-1764.74	0.0	-541.55	861.59	5.31	-0.56	-544.45	-
180												
2.005e+04		-2.423e+04	-544.45	8.97e-05	0.0	99.9	-541.55	-20.79	5.31	-0.56	-8.89	
2.194e+04						199.8	-541.55	-903.16	5.31	-0.56	526.67	-
2.423e+04	47	2.187e+04	551.04	-0.01	-1764.74	0.0	-512.06	863.00	-5.36	0.34	551.04	-
180												
2.028e+04		-2.413e+04	-530.40	-8.58e-05	0.0	99.9	-512.06	-19.37	-5.36	0.34	10.32	
2.187e+04						199.8	-512.06	-901.74	-5.36	0.34	-530.40	-
2.413e+04	56	2.201e+04	111.92	-0.01	-1764.74	0.0	-547.04	861.83	1.27	-0.25	-145.85	-
180												
2.001e+04		-2.412e+04	-145.85	-1.64e-04	0.0	99.9	-547.04	-20.54	1.27	-0.25	-16.97	
2.201e+04						199.8	-547.04	-902.91	1.27	-0.25	111.92	-
2.412e+04	59	2.179e+04	152.44	-0.01	-1764.74	0.0	-506.57	862.76	-1.32	0.04	152.44	-
180												
2.032e+04		-2.424e+04	-115.65	1.67e-04	0.0	99.9	-506.57	-19.62	-1.32	0.04	18.40	
2.179e+04						199.8	-506.57	-901.99	-1.32	0.04	-115.65	-
2.424e+04	61	2.202e+04	33.60	-0.01	-1764.74	0.0	-544.96	861.99	-0.43	-0.07	33.60	-
180												
2.003e+04		-2.409e+04	-50.46	-9.88e-06	0.0	99.9	-544.96	-20.38	-0.43	-0.07	-8.43	
2.202e+04						199.8	-544.96	-902.75	-0.43	-0.07	-50.46	-
2.409e+04	62	2.179e+04	46.72	-0.01	-1764.74	0.0	-508.66	862.60	0.38	-0.14	-27.01	-
180												
2.031e+04		-2.427e+04	-27.01	1.37e-05	0.0	99.9	-508.66	-19.77	0.38	-0.14	9.86	
2.179e+04						199.8	-508.66	-902.14	0.38	-0.14	46.72	-
2.427e+04	79	2.189e+04	347.76	-0.01	-1764.74	0.0	-518.04	862.74	-3.42	0.17	347.76	-
180												
2.024e+04		-2.414e+04	-341.75	-5.07e-05	0.0	99.9	-518.04	-19.63	-3.42	0.17	3.01	
2.189e+04						199.8	-518.04	-902.00	-3.42	0.17	-341.75	-
2.414e+04	80	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
180												
2.017e+04		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	

2.190e+04												
					199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-	
2.418e+04												
180	81	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.017e+04												
		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	-
2.190e+04												
					199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-	
2.418e+04												
180	82	2.190e+04	3.29	-0.01	-1764.74	0.0	-526.81	862.29	-0.03	-0.11	3.29	-
2.017e+04												
		-2.418e+04	-1.87	1.92e-06	0.0	99.9	-526.81	-20.08	-0.03	-0.11	0.71	-
2.190e+04												
					199.8	-526.81	-902.45	-0.03	-0.11	-1.87	-	
2.418e+04												
181	1	2.364e+04	0.26	-6.56e-03	-2294.28	0.0	-698.29	1105.03	7.40e-03	-0.02	-1.22	-
2.946e+04												
		-3.787e+04	-1.22	0.0	0.0	99.9	-698.29	-42.11	7.40e-03	-0.02	-0.48	-
2.364e+04												
					199.8	-698.29	-1189.25	7.40e-03	-0.02	0.26	-	
3.787e+04												
181	2	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04												
		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	-
1.818e+04												
					199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-	
2.913e+04												
181	11	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04												
		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	-
1.818e+04												
					199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-	
2.913e+04												
181	24	1.838e+04	261.07	-5.16e-03	-1764.83	0.0	-559.80	845.64	2.92	-0.17	-333.01	-
2.203e+04												
		-2.938e+04	-333.01	-2.34e-04	0.0	99.9	-559.80	-36.77	2.92	-0.17	-35.97	-
1.838e+04												
					199.8	-559.80	-919.19	2.92	-0.17	261.07	-	
2.938e+04												
181	27	1.799e+04	331.12	-4.93e-03	-1764.83	0.0	-514.50	854.40	-2.91	0.14	331.12	-
2.330e+04												
		-2.889e+04	-260.68	2.34e-04	0.0	99.9	-514.50	-28.01	-2.91	0.14	35.22	-
1.799e+04												
					199.8	-514.50	-910.43	-2.91	0.14	-260.68	-	
2.889e+04												
181	28	1.834e+04	269.35	-5.20e-03	-1764.83	0.0	-559.61	846.21	3.00	0.28	-43.50	-
2.211e+04												
		-2.938e+04	-43.50	3.04e-04	0.0	99.9	-559.61	-36.21	3.00	0.28	112.93	-
1.834e+04												
					199.8	-559.61	-918.62	3.00	0.28	269.35	-	
2.938e+04												
181	29	1.840e+04	-5.59	-5.17e-03	-1764.83	0.0	-556.77	845.63	0.21	-0.14	-346.10	-
2.202e+04												
		-2.933e+04	-346.10	-1.27e-04	0.0	99.9	-556.77	-36.79	0.21	-0.14	-175.85	-
1.840e+04												
					199.8	-556.77	-919.20	0.21	-0.14	-5.59	-	
2.933e+04												
181	40	1.812e+04	566.25	-5.13e-03	-1764.83	0.0	-547.70	849.89	4.17	0.67	566.25	-
2.265e+04												
		-2.928e+04	422.76	7.06e-04	0.0	99.9	-547.70	-32.53	4.17	0.67	494.51	-
1.812e+04												
					199.8	-547.70	-914.94	4.17	0.67	422.76	-	
2.928e+04												
181	43	1.825e+04	-422.37	-4.96e-03	-1764.83	0.0	-526.60	850.16	-4.15	-0.70	-568.13	-
2.268e+04												
		-2.899e+04	-568.13	-7.05e-04	0.0	99.9	-526.60	-32.26	-4.15	-0.70	-495.25	-
1.825e+04												
					199.8	-526.60	-914.67	-4.15	-0.70	-422.37	-	
2.899e+04												
181	56	1.830e+04	157.84	-5.11e-03	-1764.83	0.0	-550.42	847.46	1.77	-0.12	-201.49	-
2.229e+04												
		-2.928e+04	-201.49	-1.64e-04	0.0	99.9	-550.42	-34.96	1.77	-0.12	-21.82	-
1.830e+04												
					199.8	-550.42	-917.37	1.77	-0.12	157.84	-	
2.928e+04												
181	59	1.807e+04	199.61	-4.98e-03	-1764.83	0.0	-523.87	852.59	-1.76	0.09	199.61	-

2.303e+04												
1.807e+04		-2.899e+04	-157.45	1.65e-04	0.0	99.9	-523.87	-29.83	-1.76	0.09	21.08	
						199.8	-523.87	-912.24	-1.76	0.09	-157.45	-
2.899e+04												
181	60	1.827e+04	158.51	-5.13e-03	-1764.83	0.0	-550.24	847.82	1.78	0.17	-19.88	-
2.234e+04												
		-2.928e+04	-19.88	2.05e-04	0.0	99.9	-550.24	-34.60	1.78	0.17	69.31	
1.827e+04												
						199.8	-550.24	-917.01	1.78	0.17	158.51	-
2.928e+04												
181	61	1.831e+04	-6.12	-5.12e-03	-1764.83	0.0	-548.51	847.45	0.09	-0.09	-207.44	-
2.229e+04												
		-2.925e+04	-207.44	-8.66e-05	0.0	99.9	-548.51	-34.96	0.09	-0.09	-106.78	
1.831e+04												
						199.8	-548.51	-917.38	0.09	-0.09	-6.12	-
2.925e+04												
181	72	1.814e+04	346.91	-5.10e-03	-1764.83	0.0	-543.31	850.01	2.55	0.42	346.91	-
2.266e+04												
		-2.922e+04	254.57	4.78e-04	0.0	99.9	-543.31	-32.41	2.55	0.42	300.74	
1.814e+04												
						199.8	-543.31	-914.82	2.55	0.42	254.57	-
2.922e+04												
181	75	1.823e+04	-254.17	-4.99e-03	-1764.83	0.0	-530.99	850.04	-2.54	-0.44	-348.80	-
2.266e+04												
		-2.905e+04	-348.80	-4.78e-04	0.0	99.9	-530.99	-32.38	-2.54	-0.44	-301.49	
1.823e+04												
						199.8	-530.99	-914.79	-2.54	-0.44	-254.17	-
2.905e+04												
181	80	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04												
		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04												
						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
181	81	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04												
		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04												
						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
181	82	1.818e+04	0.20	-5.04e-03	-1764.83	0.0	-537.15	850.02	5.69e-03	-0.01	-0.94	-
2.266e+04												
		-2.913e+04	-0.94	0.0	0.0	99.9	-537.15	-32.39	5.69e-03	-0.01	-0.37	
1.818e+04												
						199.8	-537.15	-914.81	5.69e-03	-0.01	0.20	-
2.913e+04												
182	1	2.132e+04	0.24	-3.03e-03	-2294.16	0.0	-385.66	1124.08	-1.76e-03	2.33e-04	0.24	-
3.369e+04												
		-3.828e+04	-0.11	0.0	0.0	99.9	-385.66	-23.00	-1.76e-03	2.33e-04	0.06	
2.132e+04												
						199.8	-385.66	-1170.08	-1.76e-03	2.33e-04	-0.11	-
3.828e+04												
182	2	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.80e-04	0.18	-
2.591e+04												
		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.80e-04	0.05	
1.640e+04												
						199.8	-296.66	-900.06	-1.35e-03	1.80e-04	-0.09	-
2.945e+04												
182	11	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.80e-04	0.18	-
2.591e+04												
		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.80e-04	0.05	
1.640e+04												
						199.8	-296.66	-900.06	-1.35e-03	1.80e-04	-0.09	-
2.945e+04												
182	24	1.645e+04	419.89	-2.30e-03	-1764.74	0.0	-304.80	860.90	4.38	-0.15	-460.98	-
2.548e+04												
		-2.978e+04	-460.98	-5.30e-05	0.0	99.9	-304.80	-21.47	4.38	-0.15	-20.54	
1.645e+04												
						199.8	-304.80	-903.84	4.38	-0.15	419.89	-
2.978e+04												
182	27	1.635e+04	461.35	-2.37e-03	-1764.74	0.0	-288.51	868.46	-4.39	0.15	461.35	-
2.634e+04												
		-2.912e+04	-420.06	5.30e-05	0.0	99.9	-288.51	-13.91	-4.39	0.15	20.64	
1.635e+04												
						199.8	-288.51	-896.28	-4.39	0.15	-420.06	-

2.912e+04												
182	29	1.645e+04	415.55	-2.30e-03	-1764.74	0.0	-301.99	860.89	4.38	-0.14	-467.79	-
2.548e+04		-2.977e+04	-467.79	4.18e-05	0.0	99.9	-301.99	-21.48	4.38	-0.14	-26.12	
1.645e+04						199.8	-301.99	-903.85	4.38	-0.14	415.55	-
2.977e+04												
182	40	1.639e+04	608.44	-2.40e-03	-1764.74	0.0	-303.05	864.92	-5.77	0.87	608.44	-
2.595e+04		-2.942e+04	-566.66	1.06e-03	0.0	99.9	-303.05	-17.45	-5.77	0.87	20.89	
1.639e+04						199.8	-303.05	-899.82	-5.77	0.87	-566.66	-
2.942e+04												
182	43	1.640e+04	566.48	-2.27e-03	-1764.74	0.0	-290.27	864.44	5.76	-0.87	-608.08	-
2.587e+04		-2.948e+04	-608.08	-1.06e-03	0.0	99.9	-290.27	-17.93	5.76	-0.87	-20.80	
1.640e+04						199.8	-290.27	-900.30	5.76	-0.87	566.48	-
2.948e+04												
182	56	1.643e+04	250.98	-2.31e-03	-1764.74	0.0	-301.47	862.46	2.62	-0.11	-274.77	-
2.566e+04		-2.964e+04	-274.77	-6.55e-05	0.0	99.9	-301.47	-19.91	2.62	-0.11	-11.89	
1.643e+04						199.8	-301.47	-902.28	2.62	-0.11	250.98	-
2.964e+04												
182	59	1.637e+04	275.14	-2.36e-03	-1764.74	0.0	-291.85	866.90	-2.62	0.11	275.14	-
2.617e+04		-2.925e+04	-251.16	6.54e-05	0.0	99.9	-291.85	-15.47	-2.62	0.11	11.99	
1.637e+04						199.8	-291.85	-897.84	-2.62	0.11	-251.16	-
2.925e+04												
182	61	1.643e+04	248.06	-2.31e-03	-1764.74	0.0	-299.71	862.45	2.62	-0.10	-279.90	-
2.566e+04		-2.964e+04	-279.90	-5.18e-05	0.0	99.9	-299.71	-19.92	2.62	-0.10	-15.92	
1.643e+04						199.8	-299.71	-902.29	2.62	-0.10	248.06	-
2.964e+04												
182	77	1.642e+04	355.35	-2.28e-03	-1764.74	0.0	-294.98	863.39	3.65	-0.56	-387.75	-
2.576e+04		-2.956e+04	-387.75	-7.30e-04	0.0	99.9	-294.98	-18.98	3.65	-0.56	-16.20	
1.642e+04						199.8	-294.98	-901.35	3.65	-0.56	355.35	-
2.956e+04												
182	78	1.638e+04	388.12	-2.38e-03	-1764.74	0.0	-298.33	865.97	-3.66	0.56	388.12	-
2.607e+04		-2.933e+04	-355.52	7.29e-04	0.0	99.9	-298.33	-16.40	-3.66	0.56	16.30	
1.638e+04						199.8	-298.33	-898.77	-3.66	0.56	-355.52	-
2.933e+04												
182	80	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.80e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.80e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.80e-04	-0.09	-
2.945e+04												
182	81	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.80e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.80e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.80e-04	-0.09	-
2.945e+04												
182	82	1.640e+04	0.18	-2.33e-03	-1764.74	0.0	-296.66	864.68	-1.35e-03	1.80e-04	0.18	-
2.591e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.66	-17.69	-1.35e-03	1.80e-04	0.05	
1.640e+04						199.8	-296.66	-900.06	-1.35e-03	1.80e-04	-0.09	-
2.945e+04												
183	1	2.132e+04	0.24	-1.81e-03	-2294.28	0.0	-385.75	1170.14	1.76e-03	-2.43e-04	-0.11	-
3.828e+04		-3.828e+04	-0.11	0.0	0.0	99.9	-385.75	23.00	1.76e-03	-2.43e-04	0.06	
2.132e+04						199.8	-385.75	-1124.14	1.76e-03	-2.43e-04	0.24	-
3.369e+04												
183	2	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
2.945e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.87e-04	0.05	

1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.87e-04	0.18	-
2.591e+04						0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
183	11	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
2.945e+04						99.9	-296.73	17.69	1.35e-03	-1.87e-04	0.05	-
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.87e-04	0.18	-
2.591e+04						0.0	-301.81	903.97	-4.27	0.13	404.26	-
183	27	1.645e+04	404.26	-1.45e-03	-1764.83	0.0	-301.81	903.97	-4.27	0.13	404.26	-
2.978e+04						99.9	-301.81	21.55	-4.27	0.13	-26.07	-
1.645e+04						199.8	-301.81	-860.86	-4.27	0.13	-456.40	-
2.547e+04						0.0	-288.83	896.26	4.27	-0.14	-409.09	-
183	29	1.635e+04	450.16	-1.34e-03	-1764.83	0.0	-288.83	896.26	4.27	-0.14	-409.09	-
2.911e+04						99.9	-288.83	13.84	4.27	-0.14	20.54	-
1.635e+04						199.8	-288.83	-868.57	4.27	-0.14	450.16	-
2.635e+04						0.0	-304.62	903.95	-4.27	0.14	408.91	-
183	30	1.645e+04	408.91	-1.45e-03	-1764.83	0.0	-304.62	903.95	-4.27	0.14	408.91	-
2.979e+04						99.9	-304.62	21.54	-4.27	0.14	-20.44	-
1.645e+04						199.8	-304.62	-860.88	-4.27	0.14	-449.79	-
2.548e+04						0.0	-290.35	900.34	-5.77	0.87	566.78	-
183	33	1.640e+04	566.78	-1.46e-03	-1764.83	0.0	-290.35	900.34	-5.77	0.87	566.78	-
2.948e+04						99.9	-290.35	17.93	-5.77	0.87	-21.06	-
1.640e+04						199.8	-290.35	-864.49	-5.77	0.87	-608.90	-
2.588e+04						0.0	-303.11	899.87	5.77	-0.87	-566.96	-
183	34	1.640e+04	609.27	-1.32e-03	-1764.83	0.0	-303.11	899.87	5.77	-0.87	-566.96	-
2.942e+04						99.9	-303.11	17.45	5.77	-0.87	21.16	-
1.640e+04						199.8	-303.11	-864.96	5.77	-0.87	609.27	-
2.595e+04						0.0	-299.63	902.37	-2.56	0.09	241.51	-
183	59	1.643e+04	241.51	-1.43e-03	-1764.83	0.0	-299.63	902.37	-2.56	0.09	241.51	-
2.964e+04						99.9	-299.63	19.96	-2.56	0.09	-15.86	-
1.643e+04						199.8	-299.63	-862.46	-2.56	0.09	-273.23	-
2.565e+04						0.0	-292.06	897.85	2.55	-0.10	-244.75	-
183	61	1.637e+04	268.56	-1.36e-03	-1764.83	0.0	-292.06	897.85	2.55	-0.10	-244.75	-
2.925e+04						99.9	-292.06	15.43	2.55	-0.10	11.90	-
1.637e+04						199.8	-292.06	-866.98	2.55	-0.10	268.56	-
2.617e+04						0.0	-301.40	902.36	-2.55	0.10	244.58	-
183	62	1.643e+04	244.58	-1.43e-03	-1764.83	0.0	-301.40	902.36	-2.55	0.10	244.58	-
2.965e+04						99.9	-301.40	19.95	-2.55	0.10	-11.81	-
1.643e+04						199.8	-301.40	-862.47	-2.55	0.10	-268.20	-
2.566e+04						0.0	-292.88	900.33	-3.65	0.57	355.04	-
183	65	1.641e+04	355.04	-1.44e-03	-1764.83	0.0	-292.88	900.33	-3.65	0.57	355.04	-
2.947e+04						99.9	-292.88	17.91	-3.65	0.57	-16.38	-
1.641e+04						199.8	-292.88	-864.50	-3.65	0.57	-387.79	-
2.588e+04						0.0	-300.57	899.88	3.66	-0.57	-355.21	-
183	66	1.639e+04	388.16	-1.34e-03	-1764.83	0.0	-300.57	899.88	3.66	-0.57	-355.21	-
2.943e+04						99.9	-300.57	17.47	3.66	-0.57	16.47	-
1.639e+04						199.8	-300.57	-864.95	3.66	-0.57	388.16	-
2.595e+04						0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
183	80	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
2.945e+04						99.9	-296.73	17.69	1.35e-03	-1.87e-04	0.05	-
1.640e+04						199.8	-296.73	-864.73	1.35e-03	-1.87e-04	0.18	-
2.591e+04						0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
183	81	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-

2.945e+04												
1.640e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.87e-04	0.05	
						199.8	-296.73	-864.73	1.35e-03	-1.87e-04	0.18	-
2.591e+04												
183	82	1.640e+04	0.18	-1.39e-03	-1764.83	0.0	-296.73	900.11	1.35e-03	-1.87e-04	-0.09	-
2.945e+04												
1.640e+04		-2.945e+04	-0.09	0.0	0.0	99.9	-296.73	17.69	1.35e-03	-1.87e-04	0.05	
						199.8	-296.73	-864.73	1.35e-03	-1.87e-04	0.18	-
2.591e+04												
184	1	2.364e+04	0.26	6.39e-03	-2294.28	0.0	-698.32	1189.25	-7.40e-03	0.02	0.26	-
3.787e+04												
2.364e+04		-3.787e+04	-1.22	0.0	0.0	99.9	-698.32	42.11	-7.40e-03	0.02	-0.48	-
						199.8	-698.32	-1105.03	-7.40e-03	0.02	-1.22	-
2.946e+04												
184	2	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.70e-03	0.01	0.20	-
2.913e+04												
1.818e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.70e-03	0.01	-0.37	-
						199.8	-537.17	-850.02	-5.70e-03	0.01	-0.94	-
2.266e+04												
184	11	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.70e-03	0.01	0.20	-
2.913e+04												
1.818e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.70e-03	0.01	-0.37	-
						199.8	-537.17	-850.02	-5.70e-03	0.01	-0.94	-
2.266e+04												
184	26	1.834e+04	285.31	5.11e-03	-1764.83	0.0	-559.79	918.65	-3.16	-0.29	285.31	-
2.938e+04												
1.834e+04		-2.938e+04	-59.85	-3.13e-04	0.0	99.9	-559.79	36.24	-3.16	-0.29	112.73	-
						199.8	-559.79	-846.18	-3.16	-0.29	-59.85	-
2.210e+04												
184	27	1.841e+04	10.31	5.06e-03	-1764.83	0.0	-556.94	919.23	-0.37	0.13	10.31	-
2.933e+04												
1.841e+04		-2.933e+04	-362.03	1.84e-04	0.0	99.9	-556.94	36.82	-0.37	0.13	-175.86	-
						199.8	-556.94	-845.60	-0.37	0.13	-362.03	-
2.202e+04												
184	29	1.799e+04	347.39	4.79e-03	-1764.83	0.0	-514.36	910.40	3.08	-0.14	-276.78	-
2.889e+04												
1.799e+04		-2.889e+04	-276.78	-2.28e-04	0.0	99.9	-514.36	27.98	3.08	-0.14	35.30	-
						199.8	-514.36	-854.43	3.08	-0.14	347.39	-
2.330e+04												
184	30	1.838e+04	277.18	5.04e-03	-1764.83	0.0	-559.97	919.22	-3.09	0.16	277.18	-
2.938e+04												
1.838e+04		-2.938e+04	-349.27	2.28e-04	0.0	99.9	-559.97	36.80	-3.09	0.16	-36.05	-
						199.8	-559.97	-845.61	-3.09	0.16	-349.27	-
2.202e+04												
184	36	1.802e+04	565.69	4.95e-03	-1764.83	0.0	-535.56	912.60	-4.13	-0.66	414.24	-
2.915e+04												
1.802e+04		-2.915e+04	414.24	-7.45e-04	0.0	99.9	-535.56	30.18	-4.13	-0.66	489.97	-
						199.8	-535.56	-852.23	-4.13	-0.66	565.69	-
2.298e+04												
184	39	1.835e+04	-413.85	4.88e-03	-1764.83	0.0	-538.77	917.02	4.12	0.69	-413.85	-
2.912e+04												
1.835e+04		-2.912e+04	-567.58	7.45e-04	0.0	99.9	-538.77	34.60	4.12	0.69	-490.71	-
						199.8	-538.77	-847.81	4.12	0.69	-567.58	-
2.234e+04												
184	58	1.827e+04	167.74	5.03e-03	-1764.83	0.0	-550.36	917.03	-1.88	-0.17	167.74	-
2.928e+04												
1.827e+04		-2.928e+04	-29.29	-2.10e-04	0.0	99.9	-550.36	34.61	-1.88	-0.17	69.23	-
						199.8	-550.36	-847.80	-1.88	-0.17	-29.29	-
2.234e+04												
184	59	1.831e+04	3.05	5.00e-03	-1764.83	0.0	-548.61	917.39	-0.18	0.09	3.05	-
2.925e+04												
1.831e+04		-2.925e+04	-216.66	1.19e-04	0.0	99.9	-548.61	34.98	-0.18	0.09	-106.80	-
						199.8	-548.61	-847.44	-0.18	0.09	-216.66	-

2.228e+04	61	1.807e+04	208.93	4.85e-03	-1764.83	0.0	-523.80	912.22	1.85	-0.09	-166.68	-
184												
2.899e+04		-2.899e+04	-166.68	-1.60e-04	0.0	99.9	-523.80	29.81	1.85	-0.09	21.12	
1.807e+04						199.8	-523.80	-852.61	1.85	-0.09	208.93	-
2.304e+04	62	1.830e+04	167.08	4.99e-03	-1764.83	0.0	-550.53	917.39	-1.87	0.12	167.08	-
184												
2.928e+04		-2.928e+04	-210.81	1.60e-04	0.0	99.9	-550.53	34.98	-1.87	0.12	-21.87	
1.830e+04						199.8	-550.53	-847.44	-1.87	0.12	-210.81	-
2.229e+04	68	1.808e+04	347.95	4.94e-03	-1764.83	0.0	-536.38	913.48	-2.52	-0.41	249.12	-
184												
2.914e+04		-2.914e+04	249.12	-4.93e-04	0.0	99.9	-536.38	31.07	-2.52	-0.41	298.53	
1.808e+04						199.8	-536.38	-851.35	-2.52	-0.41	347.95	-
2.286e+04	71	1.829e+04	-248.72	4.89e-03	-1764.83	0.0	-537.95	916.13	2.51	0.44	-248.72	-
184												
2.912e+04		-2.912e+04	-349.83	4.93e-04	0.0	99.9	-537.95	33.72	2.51	0.44	-299.28	
1.829e+04						199.8	-537.95	-848.70	2.51	0.44	-349.83	-
2.247e+04	80	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.70e-03	0.01	0.20	-
184												
2.913e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.70e-03	0.01	-0.37	
1.818e+04						199.8	-537.17	-850.02	-5.70e-03	0.01	-0.94	-
2.266e+04	81	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.70e-03	0.01	0.20	-
184												
2.913e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.70e-03	0.01	-0.37	
1.818e+04						199.8	-537.17	-850.02	-5.70e-03	0.01	-0.94	-
2.266e+04	82	1.818e+04	0.20	4.92e-03	-1764.83	0.0	-537.17	914.81	-5.70e-03	0.01	0.20	-
184												
2.913e+04		-2.913e+04	-0.94	0.0	0.0	99.9	-537.17	32.39	-5.70e-03	0.01	-0.37	
1.818e+04						199.8	-537.17	-850.02	-5.70e-03	0.01	-0.94	-
2.266e+04	1	2.847e+04	4.28	0.02	-2294.16	0.0	-684.85	1173.18	0.03	0.14	-2.43	-
185												
3.143e+04		-3.143e+04	-2.43	-2.66e-06	0.0	99.9	-684.85	26.10	0.03	0.14	0.93	
2.847e+04						199.8	-684.85	-1120.98	0.03	0.14	4.28	-
2.622e+04	2	2.190e+04	3.29	0.01	-1764.74	0.0	-526.80	902.45	0.03	0.11	-1.87	-
185												
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.80	20.08	0.03	0.11	0.71	
2.190e+04						199.8	-526.80	-862.29	0.03	0.11	3.29	-
2.017e+04	11	2.190e+04	3.29	0.01	-1764.74	0.0	-526.80	902.45	0.03	0.11	-1.87	-
185												
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.80	20.08	0.03	0.11	0.71	
2.190e+04						199.8	-526.80	-862.29	0.03	0.11	3.29	-
2.017e+04	24	2.171e+04	68.27	0.01	-1764.74	0.0	-495.39	901.95	-0.57	0.16	68.27	-
185												
2.433e+04		-2.433e+04	-41.79	-3.68e-05	0.0	99.9	-495.39	19.57	-0.57	0.16	13.24	
2.171e+04						199.8	-495.39	-862.80	-0.57	0.16	-41.79	-
2.041e+04	27	2.210e+04	48.38	0.01	-1764.74	0.0	-558.22	902.95	0.62	0.05	-72.01	-
185												
2.403e+04		-2.403e+04	-72.01	3.29e-05	0.0	99.9	-558.22	20.58	0.62	0.05	-11.82	
2.210e+04						199.8	-558.22	-861.79	0.62	0.05	48.38	-
1.993e+04	29	2.172e+04	241.40	0.01	-1764.74	0.0	-492.14	901.70	2.09	-0.12	-185.38	-
185												
2.429e+04		-2.429e+04	-185.38	-2.55e-04	0.0	99.9	-492.14	19.33	2.09	-0.12	28.01	

2.172e+04						199.8	-492.14	-863.04	2.09	-0.12	241.40	-
2.043e+04												
185	30	2.209e+04	181.65	0.01	-1764.74	0.0	-561.47	903.19	-2.04	0.34	181.65	-
2.407e+04		-2.407e+04	-234.81	2.51e-04	0.0	99.9	-561.47	20.82	-2.04	0.34	-26.58	-
2.209e+04												
						199.8	-561.47	-861.55	-2.04	0.34	-234.81	-
1.990e+04												
185	37	2.187e+04	548.20	0.01	-1764.74	0.0	-512.03	901.76	5.33	-0.34	-527.58	-
2.413e+04		-2.413e+04	-527.58	8.44e-05	0.0	99.9	-512.03	19.38	5.33	-0.34	10.31	-
2.187e+04												
						199.8	-512.03	-862.99	5.33	-0.34	548.20	-
2.028e+04												
185	38	2.194e+04	523.85	0.01	-1764.74	0.0	-541.58	903.14	-5.28	0.56	523.85	-
2.423e+04		-2.423e+04	-541.61	-8.83e-05	0.0	99.9	-541.58	20.77	-5.28	0.56	-8.88	-
2.194e+04												
						199.8	-541.58	-861.60	-5.28	0.56	-541.61	-
2.005e+04												
185	56	2.179e+04	51.94	0.01	-1764.74	0.0	-508.61	902.17	-0.44	0.14	51.94	-
2.427e+04		-2.427e+04	-32.84	-1.79e-05	0.0	99.9	-508.61	19.80	-0.44	0.14	9.55	-
2.179e+04												
						199.8	-508.61	-862.57	-0.44	0.14	-32.84	-
2.031e+04												
185	59	2.202e+04	39.43	0.01	-1764.74	0.0	-545.00	902.73	0.49	0.07	-55.68	-
2.409e+04		-2.409e+04	-55.68	1.40e-05	0.0	99.9	-545.00	20.36	0.49	0.07	-8.12	-
2.202e+04												
						199.8	-545.00	-862.01	0.49	0.07	39.43	-
2.003e+04												
185	61	2.179e+04	146.75	0.01	-1764.74	0.0	-506.52	902.01	1.26	-0.04	-110.59	-
2.424e+04		-2.424e+04	-110.59	-1.71e-04	0.0	99.9	-506.52	19.64	1.26	-0.04	18.08	-
2.179e+04												
						199.8	-506.52	-862.73	1.26	-0.04	146.75	-
2.032e+04												
185	62	2.201e+04	106.86	0.01	-1764.74	0.0	-547.09	902.88	-1.21	0.25	106.86	-
2.412e+04		-2.412e+04	-140.16	1.68e-04	0.0	99.9	-547.09	20.51	-1.21	0.25	-16.65	-
2.201e+04												
						199.8	-547.09	-861.86	-1.21	0.25	-140.16	-
2.001e+04												
185	69	2.189e+04	346.02	0.01	-1764.74	0.0	-518.02	902.01	3.40	-0.17	-340.02	-
2.414e+04		-2.414e+04	-340.02	5.00e-05	0.0	99.9	-518.02	19.64	3.40	-0.17	3.00	-
2.189e+04												
						199.8	-518.02	-862.73	3.40	-0.17	346.02	-
2.024e+04												
185	80	2.190e+04	3.29	0.01	-1764.74	0.0	-526.80	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.80	20.08	0.03	0.11	0.71	-
2.190e+04												
						199.8	-526.80	-862.29	0.03	0.11	3.29	-
2.017e+04												
185	81	2.190e+04	3.29	0.01	-1764.74	0.0	-526.80	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.80	20.08	0.03	0.11	0.71	-
2.190e+04												
						199.8	-526.80	-862.29	0.03	0.11	3.29	-
2.017e+04												
185	82	2.190e+04	3.29	0.01	-1764.74	0.0	-526.80	902.45	0.03	0.11	-1.87	-
2.418e+04		-2.418e+04	-1.87	-2.04e-06	0.0	99.9	-526.80	20.08	0.03	0.11	0.71	-
2.190e+04												
						199.8	-526.80	-862.29	0.03	0.11	3.29	-
2.017e+04												
186	1	4.758e+04	-0.90	-9.40e-03	-2584.31	0.0	-713.56	1292.15	0.0	0.0	-0.90	-
2.513e+04		-2.513e+04	-0.90	0.0	0.0	112.5	-713.56	5.95e-06	0.0	0.0	-0.90	-
4.758e+04												
						225.1	-713.56	-1292.15	0.0	0.0	-0.90	-
2.513e+04												
186	2	3.660e+04	-0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	-0.69	-

1.933e+04												
3.660e+04		-1.933e+04	-0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	-0.69	
1.933e+04						225.1	-548.89	-993.96	0.0	0.0	-0.69	-
186	11	3.660e+04	-0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	-0.69	-
1.933e+04												
3.660e+04		-1.933e+04	-0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	-0.69	
1.933e+04						225.1	-548.89	-993.96	0.0	0.0	-0.69	-
186	21	3.660e+04	78.79	-7.03e-03	-1987.93	0.0	-548.84	994.20	-0.71	0.04	78.79	-
1.935e+04												
3.660e+04		-1.935e+04	-80.05	-7.49e-04	0.0	112.5	-548.84	0.24	-0.71	0.04	-0.63	
1.930e+04						225.1	-548.84	-993.73	-0.71	0.04	-80.05	-
186	25	3.660e+04	261.89	-6.94e-03	-1987.93	0.0	-548.83	994.85	-2.33	0.20	261.89	-
1.943e+04												
3.660e+04		-1.943e+04	-263.15	6.83e-04	0.0	112.5	-548.83	0.88	-2.33	0.20	-0.63	
1.923e+04						225.1	-548.83	-993.08	-2.33	0.20	-263.15	-
186	26	3.660e+04	261.77	-7.52e-03	-1987.93	0.0	-548.95	993.08	2.33	-0.20	-263.27	-
1.923e+04												
3.660e+04		-1.943e+04	-263.27	-6.83e-04	0.0	112.5	-548.95	-0.88	2.33	-0.20	-0.75	
1.943e+04						225.1	-548.95	-994.85	2.33	-0.20	261.77	-
186	37	3.660e+04	544.49	-6.09e-03	-1987.93	0.0	-548.87	996.55	-4.84	0.37	544.49	-
1.962e+04												
3.660e+04		-1.962e+04	-545.84	9.76e-04	0.0	112.5	-548.87	2.59	-4.84	0.37	-0.67	
1.904e+04						225.1	-548.87	-991.38	-4.84	0.37	-545.84	-
186	38	3.660e+04	544.46	-8.37e-03	-1987.93	0.0	-548.91	991.38	4.84	-0.37	-545.88	-
1.904e+04												
3.660e+04		-1.962e+04	-545.88	-9.76e-04	0.0	112.5	-548.91	-2.59	4.84	-0.37	-0.71	
1.962e+04						225.1	-548.91	-996.55	4.84	-0.37	544.46	-
186	53	3.660e+04	53.44	-7.11e-03	-1987.93	0.0	-548.86	994.11	-0.48	0.03	53.44	-
1.934e+04												
3.660e+04		-1.934e+04	-54.76	-4.44e-04	0.0	112.5	-548.86	0.15	-0.48	0.03	-0.66	
1.931e+04						225.1	-548.86	-993.82	-0.48	0.03	-54.76	-
186	57	3.660e+04	157.97	-7.03e-03	-1987.93	0.0	-548.86	994.54	-1.41	0.12	157.97	-
1.939e+04												
3.660e+04		-1.939e+04	-159.28	4.16e-04	0.0	112.5	-548.86	0.58	-1.41	0.12	-0.66	
1.926e+04						225.1	-548.86	-993.38	-1.41	0.12	-159.28	-
186	58	3.660e+04	157.90	-7.43e-03	-1987.93	0.0	-548.92	993.38	1.41	-0.12	-159.35	-
1.926e+04												
3.660e+04		-1.939e+04	-159.35	-4.16e-04	0.0	112.5	-548.92	-0.58	1.41	-0.12	-0.73	
1.939e+04						225.1	-548.92	-994.54	1.41	-0.12	157.90	-
186	69	3.660e+04	342.23	-6.47e-03	-1987.93	0.0	-548.88	995.68	-3.05	0.23	342.23	-
1.952e+04												
3.660e+04		-1.952e+04	-343.60	6.26e-04	0.0	112.5	-548.88	1.71	-3.05	0.23	-0.68	
1.913e+04						225.1	-548.88	-992.25	-3.05	0.23	-343.60	-
186	70	3.660e+04	342.21	-7.99e-03	-1987.93	0.0	-548.90	992.25	3.05	-0.23	-343.62	-
1.913e+04												
3.660e+04		-1.952e+04	-343.62	-6.26e-04	0.0	112.5	-548.90	-1.71	3.05	-0.23	-0.70	
1.952e+04						225.1	-548.90	-995.68	3.05	-0.23	342.21	-
186	80	3.660e+04	-0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	-0.69	-
1.933e+04												
3.660e+04		-1.933e+04	-0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	-0.69	
						225.1	-548.89	-993.96	0.0	0.0	-0.69	-

1.933e+04												
186	81	3.660e+04	-0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	-0.69	-
1.933e+04		-1.933e+04	-0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	-0.69	-
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	-0.69	-
1.933e+04												
186	82	3.660e+04	-0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	-0.69	-
1.933e+04		-1.933e+04	-0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	-0.69	-
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	-0.69	-
1.933e+04												
187	1	2.847e+04	2.43	0.02	-2294.16	0.0	-684.85	1173.18	-0.03	-0.14	2.43	-
3.143e+04		-3.143e+04	-4.28	2.66e-06	0.0	99.9	-684.85	26.10	-0.03	-0.14	-0.93	-
2.847e+04						199.8	-684.85	-1120.98	-0.03	-0.14	-4.28	-
2.622e+04												
187	2	2.190e+04	1.87	0.01	-1764.74	0.0	-526.80	902.45	-0.03	-0.11	1.87	-
2.418e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.80	20.08	-0.03	-0.11	-0.71	-
2.190e+04						199.8	-526.80	-862.29	-0.03	-0.11	-3.29	-
2.017e+04												
187	11	2.190e+04	1.87	0.01	-1764.74	0.0	-526.80	902.45	-0.03	-0.11	1.87	-
2.418e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.80	20.08	-0.03	-0.11	-0.71	-
2.190e+04						199.8	-526.80	-862.29	-0.03	-0.11	-3.29	-
2.017e+04												
187	17	2.175e+04	100.48	0.01	-1764.74	0.0	-502.73	902.18	1.25	-0.19	-134.58	-
2.431e+04		-2.431e+04	-134.58	8.27e-05	0.0	99.9	-502.73	19.81	1.25	-0.19	-17.05	-
2.175e+04						199.8	-502.73	-862.56	1.25	-0.19	100.48	-
2.035e+04												
187	26	2.211e+04	232.71	0.01	-1764.74	0.0	-562.32	903.35	-2.45	0.09	232.71	-
2.406e+04		-2.406e+04	-265.86	-1.65e-05	0.0	99.9	-562.32	20.98	-2.45	0.09	-16.57	-
2.211e+04						199.8	-562.32	-861.39	-2.45	0.09	-265.86	-
1.988e+04												
187	28	2.171e+04	24.68	0.01	-1764.74	0.0	-488.04	901.30	-0.27	-0.02	24.68	-
2.426e+04		-2.426e+04	-23.92	2.38e-04	0.0	99.9	-488.04	18.93	-0.27	-0.02	0.38	-
2.171e+04						199.8	-488.04	-863.44	-0.27	-0.02	-23.92	-
2.048e+04												
187	31	2.210e+04	17.33	0.01	-1764.74	0.0	-565.57	903.59	0.22	-0.20	-20.95	-
2.410e+04		-2.410e+04	-20.95	-2.34e-04	0.0	99.9	-565.57	21.22	0.22	-0.20	-1.81	-
2.210e+04						199.8	-565.57	-861.15	0.22	-0.20	17.33	-
1.985e+04												
187	37	2.182e+04	541.68	0.01	-1764.74	0.0	-520.62	902.63	5.28	-0.56	-523.86	-
2.429e+04		-2.429e+04	-523.86	8.83e-05	0.0	99.9	-520.62	20.26	5.28	-0.56	8.91	-
2.182e+04						199.8	-520.62	-862.11	5.28	-0.56	541.68	-
2.022e+04												
187	38	2.199e+04	527.59	0.01	-1764.74	0.0	-532.99	902.26	-5.33	0.34	527.59	-
2.407e+04		-2.407e+04	-548.27	-8.44e-05	0.0	99.9	-532.99	19.89	-5.33	0.34	-10.34	-
2.199e+04						199.8	-532.99	-862.48	-5.33	0.34	-548.27	-
2.012e+04												
187	49	2.181e+04	65.92	0.01	-1764.74	0.0	-513.39	902.31	0.81	-0.16	-87.11	-
2.426e+04		-2.426e+04	-87.11	3.97e-05	0.0	99.9	-513.39	19.94	0.81	-0.16	-10.60	-
2.181e+04						199.8	-513.39	-862.43	0.81	-0.16	65.92	-
2.027e+04												
187	58	2.202e+04	143.10	0.01	-1764.74	0.0	-547.41	902.96	-1.50	0.01	143.10	-
2.411e+04		-2.411e+04	-161.94	-1.33e-05	0.0	99.9	-547.41	20.59	-1.50	0.01	-9.42	-

2.202e+04						199.8	-547.41	-861.78	-1.50	0.01	-161.94	-
2.000e+04												
187	60	2.179e+04	23.17	0.01	-1764.74	0.0	-504.11	901.78	-0.25	-0.04	23.17	-
2.422e+04		-2.422e+04	-24.25	1.71e-04	0.0	99.9	-504.11	19.41	-0.25	-0.04	-0.54	-
2.179e+04						199.8	-504.11	-862.96	-0.25	-0.04	-24.25	-
2.035e+04												
187	63	2.202e+04	17.66	0.01	-1764.74	0.0	-549.50	903.12	0.20	-0.17	-19.44	-
2.413e+04		-2.413e+04	-19.44	-1.67e-04	0.0	99.9	-549.50	20.75	0.20	-0.17	-0.89	-
2.202e+04						199.8	-549.50	-861.62	0.20	-0.17	17.66	-
1.998e+04												
187	70	2.195e+04	340.02	0.01	-1764.74	0.0	-530.21	902.31	-3.40	0.17	340.02	-
2.411e+04		-2.411e+04	-346.07	-5.00e-05	0.0	99.9	-530.21	19.94	-3.40	0.17	-3.02	-
2.195e+04						199.8	-530.21	-862.43	-3.40	0.17	-346.07	-
2.014e+04												
187	80	2.190e+04	1.87	0.01	-1764.74	0.0	-526.80	902.45	-0.03	-0.11	1.87	-
2.418e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.80	20.08	-0.03	-0.11	-0.71	-
2.190e+04						199.8	-526.80	-862.29	-0.03	-0.11	-3.29	-
2.017e+04												
187	81	2.190e+04	1.87	0.01	-1764.74	0.0	-526.80	902.45	-0.03	-0.11	1.87	-
2.418e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.80	20.08	-0.03	-0.11	-0.71	-
2.190e+04						199.8	-526.80	-862.29	-0.03	-0.11	-3.29	-
2.017e+04												
187	82	2.190e+04	1.87	0.01	-1764.74	0.0	-526.80	902.45	-0.03	-0.11	1.87	-
2.418e+04		-2.418e+04	-3.29	2.04e-06	0.0	99.9	-526.80	20.08	-0.03	-0.11	-0.71	-
2.190e+04						199.8	-526.80	-862.29	-0.03	-0.11	-3.29	-
2.017e+04												
188	1	2.364e+04	1.22	6.39e-03	-2294.28	0.0	-698.32	1189.25	7.40e-03	-0.02	-0.26	-
3.787e+04		-3.787e+04	-0.26	0.0	0.0	99.9	-698.32	42.11	7.40e-03	-0.02	0.48	-
2.364e+04						199.8	-698.32	-1105.03	7.40e-03	-0.02	1.22	-
2.946e+04												
188	2	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.70e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.70e-03	-0.01	0.37	-
1.818e+04						199.8	-537.17	-850.02	5.70e-03	-0.01	0.94	-
2.266e+04												
188	11	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.70e-03	-0.01	-0.20	-
2.913e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.70e-03	-0.01	0.37	-
1.818e+04						199.8	-537.17	-850.02	5.70e-03	-0.01	0.94	-
2.266e+04												
188	26	1.840e+04	284.87	5.12e-03	-1764.83	0.0	-558.89	919.56	-3.15	-0.31	284.87	-
2.937e+04		-2.937e+04	-57.81	-3.13e-04	0.0	99.9	-558.89	37.14	-3.15	-0.31	113.53	-
1.840e+04						199.8	-558.89	-845.27	-3.15	-0.31	-57.81	-
2.199e+04												
188	27	1.834e+04	9.87	5.17e-03	-1764.83	0.0	-561.73	918.97	-0.36	0.11	9.87	-
2.942e+04		-2.942e+04	-359.99	1.84e-04	0.0	99.9	-561.73	36.56	-0.36	0.11	-175.06	-
1.834e+04						199.8	-561.73	-845.86	-0.36	0.11	-359.99	-
2.207e+04												
188	28	1.799e+04	72.45	4.73e-03	-1764.83	0.0	-512.41	910.07	0.44	0.31	-18.39	-
2.885e+04		-2.885e+04	-18.39	4.20e-04	0.0	99.9	-512.41	27.66	0.44	0.31	27.03	-
1.799e+04						199.8	-512.41	-854.76	0.44	0.31	72.45	-
2.333e+04												
188	31	1.838e+04	18.00	5.10e-03	-1764.83	0.0	-561.92	919.54	-0.43	-0.34	18.00	-

2.942e+04												
1.838e+04		-2.942e+04	-70.57	-4.19e-04	0.0	99.9	-561.92	37.13	-0.43	-0.34	-26.28	
						199.8	-561.92	-845.29	-0.43	-0.34	-70.57	-
2.199e+04												
188	36	1.824e+04	567.53	4.76e-03	-1764.83	0.0	-525.48	914.44	-4.12	-0.69	413.86	-
2.898e+04												
		-2.898e+04	413.86	-7.45e-04	0.0	99.9	-525.48	32.03	-4.12	-0.69	490.70	
1.824e+04												
						199.8	-525.48	-850.39	-4.12	-0.69	567.53	-
2.271e+04												
188	39	1.813e+04	-414.25	5.07e-03	-1764.83	0.0	-548.85	915.17	4.13	0.66	-414.25	-
2.929e+04												
		-2.929e+04	-565.65	7.45e-04	0.0	99.9	-548.85	32.76	4.13	0.66	-489.95	
1.813e+04												
						199.8	-548.85	-849.66	4.13	0.66	-565.65	-
2.261e+04												
188	58	1.831e+04	167.32	5.03e-03	-1764.83	0.0	-549.76	917.58	-1.86	-0.20	167.32	-
2.927e+04												
		-2.927e+04	-27.31	-2.10e-04	0.0	99.9	-549.76	35.17	-1.86	-0.20	70.00	
1.831e+04												
						199.8	-549.76	-847.25	-1.86	-0.20	-27.31	-
2.227e+04												
188	59	1.827e+04	2.63	5.07e-03	-1764.83	0.0	-551.50	917.22	-0.17	0.07	2.63	-
2.930e+04												
		-2.930e+04	-214.68	1.18e-04	0.0	99.9	-551.50	34.80	-0.17	0.07	-106.02	
1.827e+04												
						199.8	-551.50	-847.61	-0.17	0.07	-214.68	-
2.232e+04												
188	60	1.807e+04	35.04	4.81e-03	-1764.83	0.0	-522.65	912.03	0.19	0.20	-3.69	-
2.897e+04												
		-2.897e+04	-3.69	2.88e-04	0.0	99.9	-522.65	29.62	0.19	0.20	15.67	
1.807e+04												
						199.8	-522.65	-852.80	0.19	0.20	35.04	-
2.305e+04												
188	63	1.830e+04	3.30	5.02e-03	-1764.83	0.0	-551.68	917.58	-0.18	-0.22	3.30	-
2.930e+04												
		-2.930e+04	-33.15	-2.87e-04	0.0	99.9	-551.68	35.17	-0.18	-0.22	-14.93	
1.830e+04												
						199.8	-551.68	-847.25	-0.18	-0.22	-33.15	-
2.227e+04												
188	68	1.822e+04	349.80	4.82e-03	-1764.83	0.0	-530.23	914.63	-2.51	-0.44	248.73	-
2.904e+04												
		-2.904e+04	248.73	-4.93e-04	0.0	99.9	-530.23	32.22	-2.51	-0.44	299.27	
1.822e+04												
						199.8	-530.23	-850.20	-2.51	-0.44	349.80	-
2.268e+04												
188	71	1.815e+04	-249.12	5.01e-03	-1764.83	0.0	-544.11	914.98	2.52	0.41	-249.12	-
2.923e+04												
		-2.923e+04	-347.92	4.93e-04	0.0	99.9	-544.11	32.56	2.52	0.41	-298.52	
1.815e+04												
						199.8	-544.11	-849.85	2.52	0.41	-347.92	-
2.264e+04												
188	80	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.70e-03	-0.01	-0.20	-
2.913e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.70e-03	-0.01	0.37	
1.818e+04												
						199.8	-537.17	-850.02	5.70e-03	-0.01	0.94	-
2.266e+04												
188	81	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.70e-03	-0.01	-0.20	-
2.913e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.70e-03	-0.01	0.37	
1.818e+04												
						199.8	-537.17	-850.02	5.70e-03	-0.01	0.94	-
2.266e+04												
188	82	1.818e+04	0.94	4.92e-03	-1764.83	0.0	-537.17	914.81	5.70e-03	-0.01	-0.20	-
2.913e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.17	32.39	5.70e-03	-0.01	0.37	
1.818e+04												
						199.8	-537.17	-850.02	5.70e-03	-0.01	0.94	-
2.266e+04												
189	1	2.132e+04	0.11	-1.81e-03	-2294.28	0.0	-385.75	1170.14	-1.76e-03	2.43e-04	0.11	-
3.828e+04												
		-3.828e+04	-0.24	0.0	0.0	99.9	-385.75	23.00	-1.76e-03	2.43e-04	-0.06	
2.132e+04												
						199.8	-385.75	-1124.14	-1.76e-03	2.43e-04	-0.24	-

3.369e+04												
189	2	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.87e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.87e-04	-0.18	-
2.591e+04												
189	11	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.87e-04	-0.05	
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.87e-04	-0.18	-
2.591e+04												
189	26	1.645e+04	114.52	-1.44e-03	-1764.83	0.0	-302.46	903.82	-1.35	-0.41	114.52	-
2.977e+04		-2.977e+04	-149.44	-6.65e-04	0.0	99.9	-302.46	21.41	-1.35	-0.41	-17.46	
1.645e+04						199.8	-302.46	-861.01	-1.35	-0.41	-149.44	-
2.549e+04												
189	28	1.635e+04	155.68	-1.34e-03	-1764.83	0.0	-288.18	896.40	1.35	0.42	-109.69	-
2.912e+04		-2.912e+04	-109.69	6.84e-04	0.0	99.9	-288.18	13.98	1.35	0.42	22.99	
1.635e+04						199.8	-288.18	-868.43	1.35	0.42	155.68	-
2.633e+04												
189	31	1.644e+04	109.87	-1.44e-03	-1764.83	0.0	-305.27	903.81	-1.35	-0.42	109.87	-
2.978e+04		-2.978e+04	-156.05	-6.84e-04	0.0	99.9	-305.27	21.40	-1.35	-0.42	-23.09	
1.644e+04						199.8	-305.27	-861.02	-1.35	-0.42	-156.05	-
2.550e+04												
189	33	1.637e+04	566.96	-1.31e-03	-1764.83	0.0	-299.72	898.18	-5.77	0.87	566.96	-
2.928e+04		-2.928e+04	-609.27	1.06e-03	0.0	99.9	-299.72	15.76	-5.77	0.87	-21.15	
1.637e+04						199.8	-299.72	-866.65	-5.77	0.87	-609.27	-
2.614e+04												
189	34	1.643e+04	608.90	-1.47e-03	-1764.83	0.0	-293.73	902.03	5.77	-0.87	-566.79	-
2.962e+04		-2.962e+04	-566.79	-1.06e-03	0.0	99.9	-293.73	19.62	5.77	-0.87	21.06	
1.643e+04						199.8	-293.73	-862.80	5.77	-0.87	608.90	-
2.568e+04												
189	58	1.643e+04	56.77	-1.42e-03	-1764.83	0.0	-300.01	902.29	-0.67	-0.26	56.77	-
2.964e+04		-2.964e+04	-73.43	-4.24e-04	0.0	99.9	-300.01	19.87	-0.67	-0.26	-8.33	
1.643e+04						199.8	-300.01	-862.54	-0.67	-0.26	-73.43	-
2.567e+04												
189	60	1.637e+04	78.10	-1.36e-03	-1764.83	0.0	-291.68	897.93	0.67	0.27	-53.52	-
2.926e+04		-2.926e+04	-53.52	4.39e-04	0.0	99.9	-291.68	15.51	0.67	0.27	12.29	
1.637e+04						199.8	-291.68	-866.90	0.67	0.27	78.10	-
2.616e+04												
189	63	1.643e+04	53.70	-1.42e-03	-1764.83	0.0	-301.77	902.28	-0.67	-0.27	53.70	-
2.964e+04		-2.964e+04	-78.46	-4.39e-04	0.0	99.9	-301.77	19.87	-0.67	-0.27	-12.38	
1.643e+04						199.8	-301.77	-862.55	-0.67	-0.27	-78.46	-
2.567e+04												
189	65	1.638e+04	355.22	-1.33e-03	-1764.83	0.0	-298.67	898.93	-3.66	0.57	355.22	-
2.935e+04		-2.935e+04	-388.16	7.39e-04	0.0	99.9	-298.67	16.52	-3.66	0.57	-16.47	
1.638e+04						199.8	-298.67	-865.90	-3.66	0.57	-388.16	-
2.605e+04												
189	66	1.642e+04	387.79	-1.45e-03	-1764.83	0.0	-294.78	901.28	3.65	-0.57	-355.04	-
2.955e+04		-2.955e+04	-355.04	-7.39e-04	0.0	99.9	-294.78	18.86	3.65	-0.57	16.37	
1.642e+04						199.8	-294.78	-863.55	3.65	-0.57	387.79	-
2.577e+04												
189	80	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.87e-04	-0.05	

1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.87e-04	-0.18	-
2.591e+04						0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
189	81	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.87e-04	-0.05	-
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.87e-04	-0.18	-
2.591e+04						0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
189	82	1.640e+04	0.09	-1.39e-03	-1764.83	0.0	-296.73	900.11	-1.35e-03	1.87e-04	0.09	-
2.945e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.73	17.69	-1.35e-03	1.87e-04	-0.05	-
1.640e+04						199.8	-296.73	-864.73	-1.35e-03	1.87e-04	-0.18	-
2.591e+04						0.0	-385.66	1124.08	1.76e-03	-2.33e-04	-0.24	-
190	1	2.132e+04	0.11	-3.03e-03	-2294.16	0.0	-385.66	1124.08	1.76e-03	-2.33e-04	-0.24	-
3.369e+04		-3.828e+04	-0.24	0.0	0.0	99.9	-385.66	-23.00	1.76e-03	-2.33e-04	-0.06	-
2.132e+04						199.8	-385.66	-1170.08	1.76e-03	-2.33e-04	0.11	-
3.828e+04						0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
190	2	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.80e-04	-0.05	-
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.80e-04	0.09	-
2.945e+04						0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
190	11	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.80e-04	-0.05	-
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.80e-04	0.09	-
2.945e+04						0.0	-305.14	860.96	1.46	0.41	-167.09	-
190	25	1.644e+04	120.61	-2.30e-03	-1764.74	0.0	-305.14	860.96	1.46	0.41	-167.09	-
2.549e+04		-2.978e+04	-167.09	6.91e-04	0.0	99.9	-305.14	-21.41	1.46	0.41	-23.24	-
1.644e+04						199.8	-305.14	-903.78	1.46	0.41	120.61	-
2.978e+04						0.0	-288.18	868.40	-1.46	-0.41	166.73	-
190	26	1.635e+04	166.73	-2.36e-03	-1764.74	0.0	-288.18	868.40	-1.46	-0.41	166.73	-
2.633e+04		-2.912e+04	-120.43	-6.91e-04	0.0	99.9	-288.18	-13.97	-1.46	-0.41	23.15	-
1.635e+04						199.8	-288.18	-896.34	-1.46	-0.41	-120.43	-
2.912e+04						0.0	-302.33	860.95	1.46	0.40	-160.29	-
190	28	1.645e+04	124.94	-2.31e-03	-1764.74	0.0	-302.33	860.95	1.46	0.40	-160.29	-
2.549e+04		-2.977e+04	-160.29	6.72e-04	0.0	99.9	-302.33	-21.42	1.46	0.40	-17.67	-
1.645e+04						199.8	-302.33	-903.79	1.46	0.40	124.94	-
2.977e+04						0.0	-293.65	862.75	-5.76	0.87	608.08	-
190	40	1.642e+04	608.08	-2.26e-03	-1764.74	0.0	-293.65	862.75	-5.76	0.87	608.08	-
2.568e+04		-2.962e+04	-566.49	1.06e-03	0.0	99.9	-293.65	-19.62	-5.76	0.87	20.79	-
1.642e+04						199.8	-293.65	-901.99	-5.76	0.87	-566.49	-
2.962e+04						0.0	-299.66	866.61	5.77	-0.87	-608.45	-
190	43	1.637e+04	566.66	-2.41e-03	-1764.74	0.0	-299.66	866.61	5.77	-0.87	-608.45	-
2.614e+04		-2.927e+04	-608.45	-1.06e-03	0.0	99.9	-299.66	-15.76	5.77	-0.87	-20.89	-
1.637e+04						199.8	-299.66	-898.13	5.77	-0.87	566.66	-
2.927e+04						0.0	-301.67	862.50	0.74	0.26	-85.01	-
190	57	1.642e+04	60.03	-2.31e-03	-1764.74	0.0	-301.67	862.50	0.74	0.26	-85.01	-
2.567e+04		-2.964e+04	-85.01	4.43e-04	0.0	99.9	-301.67	-19.87	0.74	0.26	-12.49	-
1.642e+04						199.8	-301.67	-902.24	0.74	0.26	60.03	-
2.964e+04						0.0	-291.65	866.86	-0.74	-0.26	84.64	-
190	58	1.637e+04	84.64	-2.35e-03	-1764.74	0.0	-291.65	866.86	-0.74	-0.26	84.64	-
2.616e+04		-2.925e+04	-59.86	-4.43e-04	0.0	99.9	-291.65	-15.51	-0.74	-0.26	12.39	-
1.637e+04						199.8	-291.65	-897.88	-0.74	-0.26	-59.86	-
2.925e+04						0.0	-299.91	862.49	0.73	0.25	-79.88	-
190	60	1.643e+04	62.95	-2.32e-03	-1764.74	0.0	-299.91	862.49	0.73	0.25	-79.88	-

2.566e+04												
1.643e+04		-2.964e+04	-79.88	4.28e-04	0.0	99.9	-299.91	-19.88	0.73	0.25	-8.47	
						199.8	-299.91	-902.25	0.73	0.25	62.95	-
2.964e+04												
190	77	1.639e+04	355.52	-2.38e-03	-1764.74	0.0	-300.72	864.77	3.66	-0.56	-388.12	-
2.593e+04		-2.944e+04	-388.12	-7.29e-04	0.0	99.9	-300.72	-17.60	3.66	-0.56	-16.30	
1.639e+04						199.8	-300.72	-899.97	3.66	-0.56	355.52	-
2.944e+04												
190	78	1.640e+04	387.75	-2.29e-03	-1764.74	0.0	-292.59	864.59	-3.65	0.56	387.75	-
2.589e+04		-2.946e+04	-355.34	7.30e-04	0.0	99.9	-292.59	-17.78	-3.65	0.56	16.21	
1.640e+04						199.8	-292.59	-900.15	-3.65	0.56	-355.34	-
2.946e+04												
190	80	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.80e-04	-0.05	
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.80e-04	0.09	-
2.945e+04												
190	81	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.80e-04	-0.05	
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.80e-04	0.09	-
2.945e+04												
190	82	1.640e+04	0.09	-2.33e-03	-1764.74	0.0	-296.66	864.68	1.35e-03	-1.80e-04	-0.18	-
2.591e+04		-2.945e+04	-0.18	0.0	0.0	99.9	-296.66	-17.69	1.35e-03	-1.80e-04	-0.05	
1.640e+04						199.8	-296.66	-900.06	1.35e-03	-1.80e-04	0.09	-
2.945e+04												
191	1	2.364e+04	1.22	-6.56e-03	-2294.28	0.0	-698.29	1105.03	-7.40e-03	0.02	1.22	-
2.946e+04		-3.787e+04	-0.26	0.0	0.0	99.9	-698.29	-42.11	-7.40e-03	0.02	0.48	
2.364e+04						199.8	-698.29	-1189.25	-7.40e-03	0.02	-0.26	-
3.787e+04												
191	2	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
191	11	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
191	25	1.838e+04	2.25	-5.20e-03	-1764.83	0.0	-561.91	845.28	0.27	0.34	-54.55	-
2.199e+04		-2.942e+04	-54.55	4.10e-04	0.0	99.9	-561.91	-37.14	0.27	0.34	-26.15	
1.838e+04						199.8	-561.91	-919.55	0.27	0.34	2.25	-
2.942e+04												
191	26	1.799e+04	56.44	-4.89e-03	-1764.83	0.0	-512.39	854.77	-0.28	-0.31	56.44	-
2.333e+04		-2.885e+04	-2.64	-4.11e-04	0.0	99.9	-512.39	-27.65	-0.28	-0.31	26.90	
1.799e+04						199.8	-512.39	-910.06	-0.28	-0.31	-2.64	-
2.885e+04												
191	28	1.840e+04	268.91	-5.21e-03	-1764.83	0.0	-558.88	845.26	2.99	0.31	-41.46	-
2.199e+04		-2.937e+04	-41.46	3.03e-04	0.0	99.9	-558.88	-37.15	2.99	0.31	113.73	
1.840e+04						199.8	-558.88	-919.57	2.99	0.31	268.91	-
2.937e+04												
191	29	1.834e+04	-6.03	-5.24e-03	-1764.83	0.0	-561.72	845.84	0.19	-0.11	-344.06	-
2.207e+04		-2.942e+04	-344.06	-1.27e-04	0.0	99.9	-561.72	-36.57	0.19	-0.11	-175.05	
1.834e+04						199.8	-561.72	-918.99	0.19	-0.11	-6.03	-

2.942e+04												
191	40	1.834e+04	568.17	-5.04e-03	-1764.83	0.0	-537.40	848.09	4.15	0.70	568.17	-
2.238e+04												
		-2.910e+04	422.36	7.05e-04	0.0	99.9	-537.40	-34.32	4.15	0.70	495.26	
1.834e+04												
						199.8	-537.40	-916.74	4.15	0.70	422.36	-
2.910e+04												
191	43	1.803e+04	-422.75	-5.05e-03	-1764.83	0.0	-536.89	851.95	-4.16	-0.67	-566.29	-
2.294e+04												
		-2.916e+04	-566.29	-7.06e-04	0.0	99.9	-536.89	-30.46	-4.16	-0.67	-494.52	
1.803e+04												
						199.8	-536.89	-912.88	-4.16	-0.67	-422.75	-
2.916e+04												
191	57	1.830e+04	-5.87	-5.13e-03	-1764.83	0.0	-551.66	847.24	0.09	0.22	-23.86	-
2.227e+04												
		-2.930e+04	-23.86	2.82e-04	0.0	99.9	-551.66	-35.17	0.09	0.22	-14.86	
1.830e+04												
						199.8	-551.66	-917.59	0.09	0.22	-5.87	-
2.930e+04												
191	58	1.807e+04	25.74	-4.96e-03	-1764.83	0.0	-522.63	852.80	-0.10	-0.20	25.74	-
2.305e+04												
		-2.897e+04	5.48	-2.83e-04	0.0	99.9	-522.63	-29.61	-0.10	-0.20	15.61	
1.807e+04												
						199.8	-522.63	-912.03	-0.10	-0.20	5.48	-
2.897e+04												
191	60	1.831e+04	158.09	-5.14e-03	-1764.83	0.0	-549.75	847.24	1.77	0.20	-17.91	-
2.227e+04												
		-2.927e+04	-17.91	2.05e-04	0.0	99.9	-549.75	-35.17	1.77	0.20	70.09	
1.831e+04												
						199.8	-549.75	-917.59	1.77	0.20	158.09	-
2.927e+04												
191	61	1.827e+04	-6.54	-5.16e-03	-1764.83	0.0	-551.48	847.60	0.08	-0.07	-205.47	-
2.232e+04												
		-2.930e+04	-205.47	-8.70e-05	0.0	99.9	-551.48	-34.81	0.08	-0.07	-106.00	
1.827e+04												
						199.8	-551.48	-917.23	0.08	-0.07	-6.54	-
2.930e+04												
191	72	1.828e+04	348.82	-5.04e-03	-1764.83	0.0	-537.05	848.88	2.54	0.44	348.82	-
2.249e+04												
		-2.911e+04	254.17	4.78e-04	0.0	99.9	-537.05	-33.54	2.54	0.44	301.49	
1.828e+04												
						199.8	-537.05	-915.95	2.54	0.44	254.17	-
2.911e+04												
191	75	1.809e+04	-254.56	-5.05e-03	-1764.83	0.0	-537.24	851.17	-2.55	-0.42	-346.94	-
2.283e+04												
		-2.915e+04	-346.94	-4.78e-04	0.0	99.9	-537.24	-31.25	-2.55	-0.42	-300.75	
1.809e+04												
						199.8	-537.24	-913.66	-2.55	-0.42	-254.56	-
2.915e+04												
191	80	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
191	81	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
191	82	1.818e+04	0.94	-5.04e-03	-1764.83	0.0	-537.15	850.02	-5.69e-03	0.01	0.94	-
2.266e+04												
		-2.913e+04	-0.20	0.0	0.0	99.9	-537.15	-32.39	-5.69e-03	0.01	0.37	
1.818e+04												
						199.8	-537.15	-914.81	-5.69e-03	0.01	-0.20	-
2.913e+04												
192	1	2.847e+04	2.43	-0.02	-2294.16	0.0	-684.85	1120.98	0.03	0.14	-4.28	-
2.622e+04												
		-3.143e+04	-4.28	-2.50e-06	0.0	99.9	-684.85	-26.10	0.03	0.14	-0.93	
2.847e+04												
						199.8	-684.85	-1173.18	0.03	0.14	2.43	-
3.143e+04												
192	2	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04												
		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	

2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04						0.0	-526.81	862.29	0.03	0.11	-3.29	-
192	11	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04						99.9	-526.81	-20.08	0.03	0.11	-0.71	-
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04						0.0	-502.74	862.56	-1.28	0.19	103.34	-
192	23	2.175e+04	103.34	-0.01	-1764.74	0.0	-502.74	862.56	-1.28	0.19	103.34	-
2.035e+04						99.9	-502.74	-19.81	-1.28	0.19	-14.26	-
2.175e+04						199.8	-502.74	-902.18	-1.28	0.19	-131.87	-
2.431e+04						0.0	-565.55	861.16	-0.11	0.20	7.12	-
192	25	2.210e+04	7.12	-0.01	-1764.74	0.0	-565.55	861.16	-0.11	0.20	7.12	-
1.985e+04						99.9	-565.55	-21.21	-0.11	0.20	-2.31	-
2.210e+04						199.8	-565.55	-903.58	-0.11	0.20	-11.75	-
2.410e+04						0.0	-488.06	863.43	0.16	0.02	-13.71	-
192	26	2.171e+04	15.48	-0.01	-1764.74	0.0	-488.06	863.43	0.16	0.02	-13.71	-
2.048e+04						99.9	-488.06	-18.94	0.16	0.02	0.89	-
2.171e+04						199.8	-488.06	-901.31	0.16	0.02	15.48	-
2.426e+04						0.0	-562.30	861.40	2.55	-0.09	-275.79	-
192	28	2.211e+04	241.63	-0.01	-1764.74	0.0	-562.30	861.40	2.55	-0.09	-275.79	-
1.988e+04						99.9	-562.30	-20.97	2.55	-0.09	-17.08	-
2.211e+04						199.8	-562.30	-903.34	2.55	-0.09	241.63	-
2.406e+04						0.0	-532.99	862.48	5.36	-0.34	-551.12	-
192	44	2.199e+04	530.41	-0.01	-1764.74	0.0	-532.99	862.48	5.36	-0.34	-551.12	-
2.012e+04						99.9	-532.99	-19.89	5.36	-0.34	-10.36	-
2.199e+04						199.8	-532.99	-902.26	5.36	-0.34	530.41	-
2.406e+04						0.0	-520.62	862.11	-5.31	0.56	544.53	-
192	47	2.182e+04	544.53	-0.01	-1764.74	0.0	-520.62	862.11	-5.31	0.56	544.53	-
2.022e+04						99.9	-520.62	-20.26	-5.31	0.56	8.93	-
2.182e+04						199.8	-520.62	-902.64	-5.31	0.56	-526.68	-
2.429e+04						0.0	-513.40	862.43	-0.83	0.16	67.53	-
192	55	2.181e+04	67.53	-0.01	-1764.74	0.0	-513.40	862.43	-0.83	0.16	67.53	-
2.027e+04						99.9	-513.40	-19.94	-0.83	0.16	-9.10	-
2.181e+04						199.8	-513.40	-902.31	-0.83	0.16	-85.73	-
2.426e+04						0.0	-549.49	861.63	-0.14	0.17	11.68	-
192	57	2.202e+04	11.68	-0.01	-1764.74	0.0	-549.49	861.63	-0.14	0.17	11.68	-
1.998e+04						99.9	-549.49	-20.74	-0.14	0.17	-1.14	-
2.202e+04						199.8	-549.49	-903.11	-0.14	0.17	-13.97	-
2.413e+04						0.0	-504.13	862.96	0.19	0.04	-18.27	-
192	58	2.179e+04	17.70	-0.01	-1764.74	0.0	-504.13	862.96	0.19	0.04	-18.27	-
2.035e+04						99.9	-504.13	-19.41	0.19	0.04	-0.29	-
2.179e+04						199.8	-504.13	-901.78	0.19	0.04	17.70	-
2.423e+04						0.0	-547.40	861.79	1.56	-0.01	-167.77	-
192	60	2.202e+04	148.41	-0.01	-1764.74	0.0	-547.40	861.79	1.56	-0.01	-167.77	-
2.000e+04						99.9	-547.40	-20.58	1.56	-0.01	-9.68	-
2.202e+04						199.8	-547.40	-902.96	1.56	-0.01	148.41	-
2.411e+04						0.0	-530.21	862.44	3.42	-0.17	-347.81	-
192	76	2.195e+04	341.75	-0.01	-1764.74	0.0	-530.21	862.44	3.42	-0.17	-347.81	-
2.014e+04						99.9	-530.21	-19.93	3.42	-0.17	-3.03	-
2.195e+04						199.8	-530.21	-902.31	3.42	-0.17	341.75	-
2.411e+04						0.0	-526.81	862.29	0.03	0.11	-3.29	-
192	80	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-

2.017e+04												
2.190e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.418e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
192	81	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
192	82	2.190e+04	1.87	-0.01	-1764.74	0.0	-526.81	862.29	0.03	0.11	-3.29	-
2.017e+04		-2.418e+04	-3.29	-1.92e-06	0.0	99.9	-526.81	-20.08	0.03	0.11	-0.71	
2.190e+04						199.8	-526.81	-902.45	0.03	0.11	1.87	-
2.418e+04												
193	1	4.758e+04	0.90	-9.40e-03	-2584.31	0.0	-713.56	1292.15	0.0	0.0	0.90	-
2.513e+04		-2.513e+04	0.90	0.0	0.0	112.5	-713.56	5.95e-06	0.0	0.0	0.90	
4.758e+04						225.1	-713.56	-1292.15	0.0	0.0	0.90	-
2.513e+04												
193	2	3.660e+04	0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	0.69	-
1.933e+04		-1.933e+04	0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	0.69	
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	0.69	-
1.933e+04												
193	11	3.660e+04	0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	0.69	-
1.933e+04		-1.933e+04	0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	0.69	
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	0.69	-
1.933e+04												
193	23	3.660e+04	107.16	-6.84e-03	-1987.93	0.0	-548.84	994.64	0.95	-0.02	-105.89	-
1.940e+04		-1.940e+04	-105.89	2.38e-04	0.0	112.5	-548.84	0.68	0.95	-0.02	0.63	
3.660e+04						225.1	-548.84	-993.29	0.95	-0.02	107.16	-
1.925e+04												
193	28	3.660e+04	273.21	-7.52e-03	-1987.93	0.0	-548.95	993.08	-2.42	0.21	273.21	-
1.923e+04		-1.943e+04	-271.70	6.83e-04	0.0	112.5	-548.95	-0.88	-2.42	0.21	0.75	
3.660e+04						225.1	-548.95	-994.85	-2.42	0.21	-271.70	-
1.943e+04												
193	31	3.660e+04	273.08	-6.94e-03	-1987.93	0.0	-548.83	994.85	2.42	-0.21	-271.82	-
1.943e+04		-1.943e+04	-271.82	-6.83e-04	0.0	112.5	-548.83	0.88	2.42	-0.21	0.63	
3.660e+04						225.1	-548.83	-993.08	2.42	-0.21	273.08	-
1.923e+04												
193	44	3.660e+04	548.73	-8.37e-03	-1987.93	0.0	-548.91	991.38	-4.87	0.38	548.73	-
1.904e+04		-1.962e+04	-547.30	9.76e-04	0.0	112.5	-548.91	-2.59	-4.87	0.38	0.71	
3.660e+04						225.1	-548.91	-996.55	-4.87	0.38	-547.30	-
1.962e+04												
193	47	3.660e+04	548.69	-6.09e-03	-1987.93	0.0	-548.87	996.55	4.87	-0.38	-547.34	-
1.962e+04		-1.962e+04	-547.34	-9.76e-04	0.0	112.5	-548.87	2.59	4.87	-0.38	0.67	
3.660e+04						225.1	-548.87	-991.38	4.87	-0.38	548.69	-
1.904e+04												
193	55	3.660e+04	71.44	-6.98e-03	-1987.93	0.0	-548.86	994.42	0.63	-0.01	-70.12	-
1.938e+04		-1.938e+04	-70.12	1.11e-04	0.0	112.5	-548.86	0.45	0.63	-0.01	0.66	
3.660e+04						225.1	-548.86	-993.51	0.63	-0.01	71.44	-
1.928e+04												
193	60	3.660e+04	165.18	-7.43e-03	-1987.93	0.0	-548.92	993.38	-1.46	0.12	165.18	-
1.926e+04		-1.939e+04	-163.72	4.16e-04	0.0	112.5	-548.92	-0.58	-1.46	0.12	0.73	
3.660e+04						225.1	-548.92	-994.54	-1.46	0.12	-163.72	-

1.939e+04	63	3.660e+04	165.11	-7.03e-03	-1987.93	0.0	-548.86	994.54	1.46	-0.12	-163.80	-
1.939e+04		-1.939e+04	-163.80	-4.16e-04	0.0	112.5	-548.86	0.58	1.46	-0.12	0.66	
3.660e+04						225.1	-548.86	-993.38	1.46	-0.12	165.11	-
1.926e+04	76	3.660e+04	345.36	-7.99e-03	-1987.93	0.0	-548.90	992.25	-3.06	0.23	345.36	-
1.913e+04		-1.952e+04	-343.95	6.26e-04	0.0	112.5	-548.90	-1.71	-3.06	0.23	0.70	
3.660e+04						225.1	-548.90	-995.68	-3.06	0.23	-343.95	-
1.952e+04	79	3.660e+04	345.34	-6.47e-03	-1987.93	0.0	-548.88	995.68	3.06	-0.23	-343.97	-
1.952e+04		-1.952e+04	-343.97	-6.26e-04	0.0	112.5	-548.88	1.71	3.06	-0.23	0.68	
3.660e+04						225.1	-548.88	-992.25	3.06	-0.23	345.34	-
1.913e+04	80	3.660e+04	0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	0.69	-
1.933e+04		-1.933e+04	0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	0.69	
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	0.69	-
1.933e+04	81	3.660e+04	0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	0.69	-
1.933e+04		-1.933e+04	0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	0.69	
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	0.69	-
1.933e+04	82	3.660e+04	0.69	-7.23e-03	-1987.93	0.0	-548.89	993.96	0.0	0.0	0.69	-
1.933e+04		-1.933e+04	0.69	0.0	0.0	112.5	-548.89	4.57e-06	0.0	0.0	0.69	
3.660e+04						225.1	-548.89	-993.96	0.0	0.0	0.69	-
1.933e+04	1	4.765e+04	-0.75	-9.42e-03	-2584.31	0.0	-708.61	1292.15	0.0	0.0	-0.75	-
2.506e+04		-2.506e+04	-0.75	0.0	0.0	112.5	-708.61	5.95e-06	0.0	0.0	-0.75	
4.765e+04						225.1	-708.61	-1292.15	0.0	0.0	-0.75	-
2.506e+04	2	3.666e+04	-0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	-0.58	-
1.927e+04		-1.927e+04	-0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	-0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	-0.58	-
1.927e+04	11	3.666e+04	-0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	-0.58	-
1.927e+04		-1.927e+04	-0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	-0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	-0.58	-
1.927e+04	25	3.666e+04	20.80	-7.02e-03	-1987.93	0.0	-545.08	994.23	-0.19	-0.10	20.80	-
1.930e+04		-1.930e+04	-22.04	6.79e-04	0.0	112.5	-545.08	0.27	-0.19	-0.10	-0.62	
3.666e+04						225.1	-545.08	-993.70	-0.19	-0.10	-22.04	-
1.924e+04	26	3.666e+04	20.89	-7.47e-03	-1987.93	0.0	-545.09	993.70	0.19	0.10	-21.96	-
1.924e+04		-1.930e+04	-21.96	-6.79e-04	0.0	112.5	-545.09	-0.27	0.19	0.10	-0.53	
3.666e+04						225.1	-545.09	-994.23	0.19	0.10	20.89	-
1.930e+04	27	3.666e+04	456.26	-7.09e-03	-1987.93	0.0	-545.09	994.43	4.06	-0.25	-457.33	-
1.933e+04		-1.933e+04	-457.33	-1.88e-04	0.0	112.5	-545.09	0.46	4.06	-0.25	-0.53	
3.666e+04						225.1	-545.09	-993.50	4.06	-0.25	456.26	-
1.922e+04	36	3.666e+04	796.77	-7.86e-03	-1987.93	0.0	-545.08	992.72	-7.09	0.60	796.77	-
1.913e+04		-1.941e+04	-797.94	-7.19e-04	0.0	112.5	-545.08	-1.25	-7.09	0.60	-0.59	

3.666e+04						225.1	-545.08	-995.21	-7.09	0.60	-797.94	-
1.941e+04						0.0	-545.09	995.21	7.09	-0.60	-797.92	-
194	39	3.666e+04	796.79	-6.62e-03	-1987.93							
1.941e+04		-1.941e+04	-797.92	7.19e-04	0.0	112.5	-545.09	1.25	7.09	-0.60	-0.56	
3.666e+04						225.1	-545.09	-992.72	7.09	-0.60	796.79	-
1.913e+04						0.0	-545.08	991.62	-6.78	0.50	762.17	-
194	44	3.666e+04	762.17	-8.40e-03	-1987.93							
1.901e+04		-1.954e+04	-763.35	9.68e-04	0.0	112.5	-545.08	-2.34	-6.78	0.50	-0.59	
3.666e+04						225.1	-545.08	-996.31	-6.78	0.50	-763.35	-
1.954e+04						0.0	-545.08	994.14	6.74e-03	-0.07	-1.36	-
194	57	3.666e+04	0.16	-7.10e-03	-1987.93							
1.929e+04		-1.929e+04	-1.36	4.14e-04	0.0	112.5	-545.08	0.18	6.74e-03	-0.07	-0.60	
3.666e+04						225.1	-545.08	-993.79	6.74e-03	-0.07	0.16	-
1.925e+04						0.0	-545.09	993.79	-6.74e-03	0.07	0.21	-
194	58	3.666e+04	0.21	-7.38e-03	-1987.93							
1.925e+04		-1.929e+04	-1.31	-4.14e-04	0.0	112.5	-545.09	-0.18	-6.74e-03	0.07	-0.55	
3.666e+04						225.1	-545.09	-994.14	-6.74e-03	0.07	-1.31	-
1.929e+04						0.0	-545.09	994.26	2.46	-0.16	-277.92	-
194	59	3.666e+04	276.82	-7.14e-03	-1987.93							
1.931e+04		-1.931e+04	-277.92	-9.60e-05	0.0	112.5	-545.09	0.29	2.46	-0.16	-0.55	
3.666e+04						225.1	-545.09	-993.67	2.46	-0.16	276.82	-
1.924e+04						0.0	-545.08	993.17	-4.49	0.39	504.46	-
194	68	3.666e+04	504.46	-7.64e-03	-1987.93							
1.918e+04		-1.936e+04	-505.63	-4.77e-04	0.0	112.5	-545.08	-0.80	-4.49	0.39	-0.58	
3.666e+04						225.1	-545.08	-994.76	-4.49	0.39	-505.63	-
1.936e+04						0.0	-545.08	994.76	4.49	-0.39	-505.61	-
194	71	3.666e+04	504.48	-6.84e-03	-1987.93							
1.936e+04		-1.936e+04	-505.61	4.77e-04	0.0	112.5	-545.08	0.80	4.49	-0.39	-0.57	
3.666e+04						225.1	-545.08	-993.17	4.49	-0.39	504.48	-
1.918e+04						0.0	-545.08	992.41	-4.09	0.31	459.80	-
194	76	3.666e+04	459.80	-8.01e-03	-1987.93							
1.910e+04		-1.945e+04	-460.96	6.21e-04	0.0	112.5	-545.08	-1.55	-4.09	0.31	-0.58	
3.666e+04						225.1	-545.08	-995.52	-4.09	0.31	-460.96	-
1.945e+04						0.0	-545.08	993.96	0.0	0.0	-0.58	-
194	80	3.666e+04	-0.58	-7.24e-03	-1987.93							
1.927e+04		-1.927e+04	-0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	-0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	-0.58	-
1.927e+04						0.0	-545.08	993.96	0.0	0.0	-0.58	-
194	81	3.666e+04	-0.58	-7.24e-03	-1987.93							
1.927e+04		-1.927e+04	-0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	-0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	-0.58	-
1.927e+04						0.0	-545.08	993.96	0.0	0.0	-0.58	-
194	82	3.666e+04	-0.58	-7.24e-03	-1987.93							
1.927e+04		-1.927e+04	-0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	-0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	-0.58	-
1.927e+04						0.0	-708.08	1292.15	0.0	0.0	0.11	-
195	1	4.766e+04	0.11	-9.42e-03	-2584.31							
2.505e+04		-2.505e+04	0.11	0.0	0.0	112.5	-708.08	5.95e-06	0.0	0.0	0.11	
4.766e+04						225.1	-708.08	-1292.15	0.0	0.0	0.11	-
2.505e+04						0.0	-544.67	993.96	0.0	0.0	0.09	-
195	2	3.666e+04	0.09	-7.24e-03	-1987.93							

1.927e+04												
3.666e+04		-1.927e+04	0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	0.09	
1.927e+04						225.1	-544.67	-993.96	0.0	0.0	0.09	-
1.927e+04	11	3.666e+04	0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	0.09	-
1.927e+04		-1.927e+04	0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	0.09	
3.666e+04						225.1	-544.67	-993.96	0.0	0.0	0.09	-
1.927e+04	27	3.666e+04	670.19	-7.02e-03	-1987.93	0.0	-544.69	994.49	5.95	-0.13	-670.03	-
1.933e+04		-1.933e+04	-670.03	-2.06e-04	0.0	112.5	-544.69	0.52	5.95	-0.13	0.08	
3.666e+04						225.1	-544.69	-993.44	5.95	-0.13	670.19	-
1.921e+04	28	3.666e+04	185.22	-7.56e-03	-1987.93	0.0	-544.65	993.25	-1.64	-0.32	185.22	-
1.919e+04		-1.935e+04	-185.04	6.74e-04	0.0	112.5	-544.65	-0.71	-1.64	-0.32	0.09	
3.666e+04						225.1	-544.65	-994.68	-1.64	-0.32	-185.04	-
1.935e+04	31	3.666e+04	185.21	-6.93e-03	-1987.93	0.0	-544.69	994.68	1.64	0.32	-185.05	-
1.935e+04		-1.935e+04	-185.05	-6.74e-04	0.0	112.5	-544.69	0.71	1.64	0.32	0.08	
3.666e+04						225.1	-544.69	-993.25	1.64	0.32	185.21	-
1.919e+04	33	3.666e+04	965.52	-6.47e-03	-1987.93	0.0	-544.67	995.52	8.58	-0.76	-965.34	-
1.944e+04		-1.944e+04	-965.34	6.94e-04	0.0	112.5	-544.67	1.55	8.58	-0.76	0.09	
3.666e+04						225.1	-544.67	-992.41	8.58	-0.76	965.52	-
1.909e+04	34	3.666e+04	965.52	-8.02e-03	-1987.93	0.0	-544.68	992.41	-8.58	0.76	965.52	-
1.909e+04		-1.944e+04	-965.35	-6.94e-04	0.0	112.5	-544.68	-1.55	-8.58	0.76	0.08	
3.666e+04						225.1	-544.68	-995.52	-8.58	0.76	-965.35	-
1.944e+04	44	3.666e+04	656.16	-8.32e-03	-1987.93	0.0	-544.67	991.77	5.83	-0.75	-655.98	-
1.902e+04		-1.951e+04	-655.98	9.64e-04	0.0	112.5	-544.67	-2.19	5.83	-0.75	0.09	
3.666e+04						225.1	-544.67	-996.16	5.83	-0.75	656.16	-
1.951e+04	59	3.666e+04	404.40	-7.10e-03	-1987.93	0.0	-544.69	994.30	3.59	-0.09	-404.23	-
1.931e+04		-1.931e+04	-404.23	-1.07e-04	0.0	112.5	-544.69	0.34	3.59	-0.09	0.08	
3.666e+04						225.1	-544.69	-993.63	3.59	-0.09	404.40	-
1.923e+04	60	3.666e+04	95.56	-7.46e-03	-1987.93	0.0	-544.66	993.50	-0.85	-0.20	95.56	-
1.921e+04		-1.932e+04	-95.38	4.11e-04	0.0	112.5	-544.66	-0.47	-0.85	-0.20	0.09	
3.666e+04						225.1	-544.66	-994.43	-0.85	-0.20	-95.38	-
1.932e+04	63	3.666e+04	95.55	-7.03e-03	-1987.93	0.0	-544.69	994.43	0.85	0.20	-95.39	-
1.932e+04		-1.932e+04	-95.39	-4.11e-04	0.0	112.5	-544.69	0.47	0.85	0.20	0.08	
3.666e+04						225.1	-544.69	-993.50	0.85	0.20	95.55	-
1.921e+04	65	3.666e+04	610.91	-6.74e-03	-1987.93	0.0	-544.67	994.98	5.43	-0.50	-610.74	-
1.938e+04		-1.938e+04	-610.74	4.65e-04	0.0	112.5	-544.67	1.01	5.43	-0.50	0.09	
3.666e+04						225.1	-544.67	-992.95	5.43	-0.50	610.91	-
1.915e+04	66	3.666e+04	610.91	-7.75e-03	-1987.93	0.0	-544.68	992.95	-5.43	0.50	610.91	-
1.915e+04		-1.938e+04	-610.74	-4.65e-04	0.0	112.5	-544.68	-1.01	-5.43	0.50	0.09	
3.666e+04						225.1	-544.68	-994.98	-5.43	0.50	-610.74	-

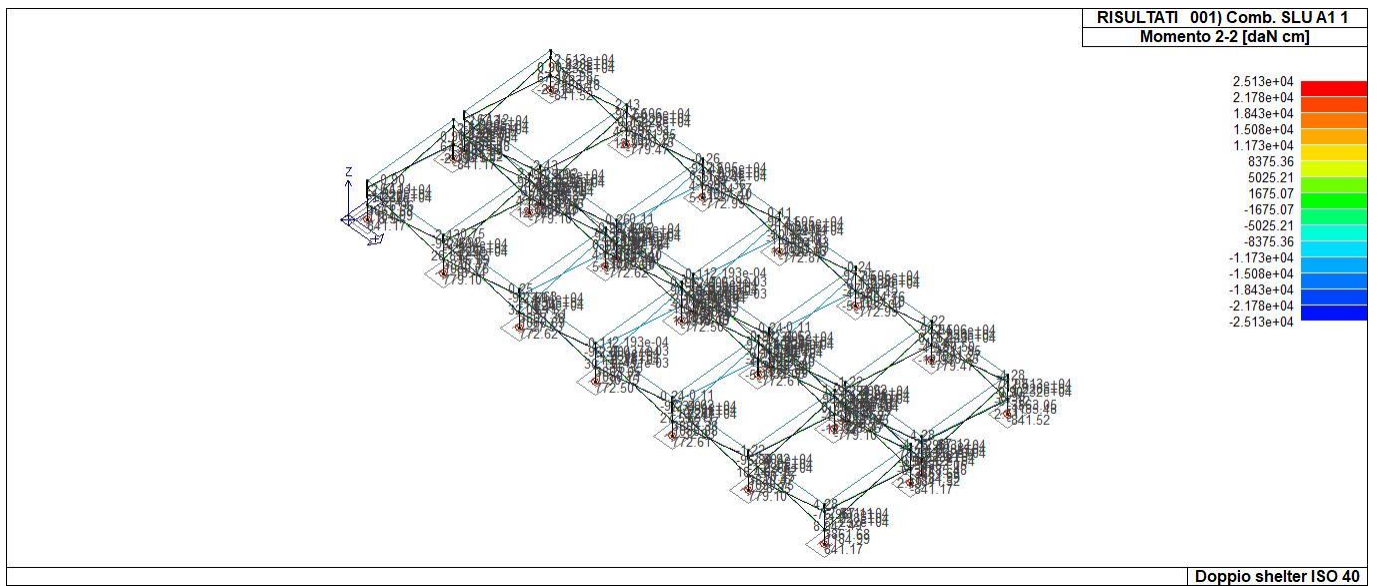
1.938e+04												
195	76	3.666e+04	419.21	-7.96e-03	-1987.93	0.0	-544.67	992.51	3.72	-0.48	-419.03	-
1.910e+04												
		-1.943e+04	-419.03	6.19e-04	0.0	112.5	-544.67	-1.45	3.72	-0.48	0.09	
3.666e+04												
						225.1	-544.67	-995.42	3.72	-0.48	419.21	-
1.943e+04												
195	80	3.666e+04	0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	0.09	-
1.927e+04												
		-1.927e+04	0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	0.09	
3.666e+04												
						225.1	-544.67	-993.96	0.0	0.0	0.09	-
1.927e+04												
195	81	3.666e+04	0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	0.09	-
1.927e+04												
		-1.927e+04	0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	0.09	
3.666e+04												
						225.1	-544.67	-993.96	0.0	0.0	0.09	-
1.927e+04												
195	82	3.666e+04	0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	0.09	-
1.927e+04												
		-1.927e+04	0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	0.09	
3.666e+04												
						225.1	-544.67	-993.96	0.0	0.0	0.09	-
1.927e+04												
196	1	4.766e+04	-2.19e-04	-9.42e-03	-2584.31	0.0	-708.10	1292.15	0.0	0.0	-2.19e-04	-
2.505e+04												
		-2.505e+04	-2.19e-04	0.0	0.0	112.5	-708.10	5.95e-06	0.0	0.0	-2.19e-04	
4.766e+04												
						225.1	-708.10	-1292.15	0.0	0.0	-2.19e-04	-
2.505e+04												
196	2	3.666e+04	-1.69e-04	-7.24e-03	-1987.93	0.0	-544.69	993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
		-1.927e+04	-1.69e-04	0.0	0.0	112.5	-544.69	4.57e-06	0.0	0.0	-1.69e-04	
3.666e+04												
						225.1	-544.69	-993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
196	11	3.666e+04	-1.69e-04	-7.24e-03	-1987.93	0.0	-544.69	993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
		-1.927e+04	-1.69e-04	0.0	0.0	112.5	-544.69	4.57e-06	0.0	0.0	-1.69e-04	
3.666e+04												
						225.1	-544.69	-993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
196	25	3.666e+04	275.68	-6.97e-03	-1987.93	0.0	-544.69	994.54	-2.45	-0.38	275.68	-
1.933e+04												
		-1.933e+04	-275.69	6.74e-04	0.0	112.5	-544.69	0.57	-2.45	-0.38	-4.78e-03	
3.666e+04												
						225.1	-544.69	-993.39	-2.45	-0.38	-275.69	-
1.920e+04												
196	26	3.666e+04	275.69	-7.52e-03	-1987.93	0.0	-544.69	993.39	2.45	0.38	-275.68	-
1.920e+04												
		-1.933e+04	-275.68	-6.74e-04	0.0	112.5	-544.69	-0.57	2.45	0.38	4.44e-03	
3.666e+04												
						225.1	-544.69	-994.54	2.45	0.38	275.69	-
1.933e+04												
196	38	3.666e+04	687.14	-8.18e-03	-1987.93	0.0	-544.69	992.08	-6.11	0.86	687.14	-
1.906e+04												
		-1.948e+04	-687.14	-9.63e-04	0.0	112.5	-544.69	-1.88	-6.11	0.86	1.21e-03	
3.666e+04												
						225.1	-544.69	-995.85	-6.11	0.86	-687.14	-
1.948e+04												
196	40	3.666e+04	1012.11	-8.18e-03	-1987.93	0.0	-544.69	992.08	8.99	-0.79	-1012.12	-
1.906e+04												
		-1.948e+04	-1012.12	6.92e-04	0.0	112.5	-544.69	-1.88	8.99	-0.79	-1.44e-03	
3.666e+04												
						225.1	-544.69	-995.85	8.99	-0.79	1012.11	-
1.948e+04												
196	43	3.666e+04	1012.12	-6.31e-03	-1987.93	0.0	-544.69	995.85	-8.99	0.79	1012.12	-
1.948e+04												
		-1.948e+04	-1012.11	-6.92e-04	0.0	112.5	-544.69	1.88	-8.99	0.79	1.10e-03	
3.666e+04												
						225.1	-544.69	-992.08	-8.99	0.79	-1012.11	-
1.906e+04												
196	57	3.666e+04	139.10	-7.06e-03	-1987.93	0.0	-544.69	994.34	-1.24	-0.24	139.10	-
1.931e+04												
		-1.931e+04	-139.10	4.11e-04	0.0	112.5	-544.69	0.38	-1.24	-0.24	-2.90e-03	

3.666e+04						225.1	-544.69	-993.59	-1.24	-0.24	-139.10	-
1.923e+04												
196	58	3.666e+04	139.10	-7.43e-03	-1987.93	0.0	-544.69	993.59	1.24	0.24	-139.10	-
1.923e+04												
		-1.931e+04	-139.10	-4.11e-04	0.0	112.5	-544.69	-0.38	1.24	0.24	2.56e-03	-
3.666e+04												
						225.1	-544.69	-994.34	1.24	0.24	139.10	-
1.931e+04												
196	70	3.666e+04	460.16	-7.86e-03	-1987.93	0.0	-544.69	992.72	-4.09	0.56	460.16	-
1.913e+04												
		-1.941e+04	-460.15	-6.19e-04	0.0	112.5	-544.69	-1.24	-4.09	0.56	6.51e-04	-
3.666e+04												
						225.1	-544.69	-995.20	-4.09	0.56	-460.15	-
1.941e+04												
196	72	3.666e+04	644.69	-7.86e-03	-1987.93	0.0	-544.69	992.73	5.73	-0.52	-644.69	-
1.913e+04												
		-1.941e+04	-644.69	4.63e-04	0.0	112.5	-544.69	-1.24	5.73	-0.52	-8.83e-04	-
3.666e+04												
						225.1	-544.69	-995.20	5.73	-0.52	644.69	-
1.941e+04												
196	75	3.666e+04	644.69	-6.63e-03	-1987.93	0.0	-544.69	995.20	-5.73	0.52	644.69	-
1.941e+04												
		-1.941e+04	-644.69	-4.63e-04	0.0	112.5	-544.69	1.24	-5.73	0.52	5.45e-04	-
3.666e+04												
						225.1	-544.69	-992.73	-5.73	0.52	-644.69	-
1.913e+04												
196	80	3.666e+04	-1.69e-04	-7.24e-03	-1987.93	0.0	-544.69	993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
		-1.927e+04	-1.69e-04	0.0	0.0	112.5	-544.69	4.57e-06	0.0	0.0	-1.69e-04	-
3.666e+04												
						225.1	-544.69	-993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
196	81	3.666e+04	-1.69e-04	-7.24e-03	-1987.93	0.0	-544.69	993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
		-1.927e+04	-1.69e-04	0.0	0.0	112.5	-544.69	4.57e-06	0.0	0.0	-1.69e-04	-
3.666e+04												
						225.1	-544.69	-993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
196	82	3.666e+04	-1.69e-04	-7.24e-03	-1987.93	0.0	-544.69	993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
		-1.927e+04	-1.69e-04	0.0	0.0	112.5	-544.69	4.57e-06	0.0	0.0	-1.69e-04	-
3.666e+04												
						225.1	-544.69	-993.96	0.0	0.0	-1.69e-04	-
1.927e+04												
197	1	4.766e+04	-0.11	-9.42e-03	-2584.31	0.0	-708.08	1292.15	0.0	0.0	-0.11	-
2.505e+04												
		-2.505e+04	-0.11	0.0	0.0	112.5	-708.08	5.95e-06	0.0	0.0	-0.11	-
4.766e+04												
						225.1	-708.08	-1292.15	0.0	0.0	-0.11	-
2.505e+04												
197	2	3.666e+04	-0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	-0.09	-
1.927e+04												
		-1.927e+04	-0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	-0.09	-
3.666e+04												
						225.1	-544.67	-993.96	0.0	0.0	-0.09	-
1.927e+04												
197	11	3.666e+04	-0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	-0.09	-
1.927e+04												
		-1.927e+04	-0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	-0.09	-
3.666e+04												
						225.1	-544.67	-993.96	0.0	0.0	-0.09	-
1.927e+04												
197	24	3.666e+04	656.36	-7.57e-03	-1987.93	0.0	-544.69	993.38	-5.83	0.11	656.36	-
1.920e+04												
		-1.933e+04	-656.52	2.06e-04	0.0	112.5	-544.69	-0.59	-5.83	0.11	-0.08	-
3.666e+04												
						225.1	-544.69	-994.55	-5.83	0.11	-656.52	-
1.933e+04												
197	25	3.666e+04	188.02	-6.93e-03	-1987.93	0.0	-544.69	994.68	-1.67	-0.32	188.02	-
1.935e+04												
		-1.935e+04	-188.18	6.74e-04	0.0	112.5	-544.69	0.72	-1.67	-0.32	-0.08	-
3.666e+04												
						225.1	-544.69	-993.25	-1.67	-0.32	-188.18	-
1.919e+04												
197	26	3.666e+04	188.00	-7.56e-03	-1987.93	0.0	-544.65	993.25	1.67	0.32	-188.19	-

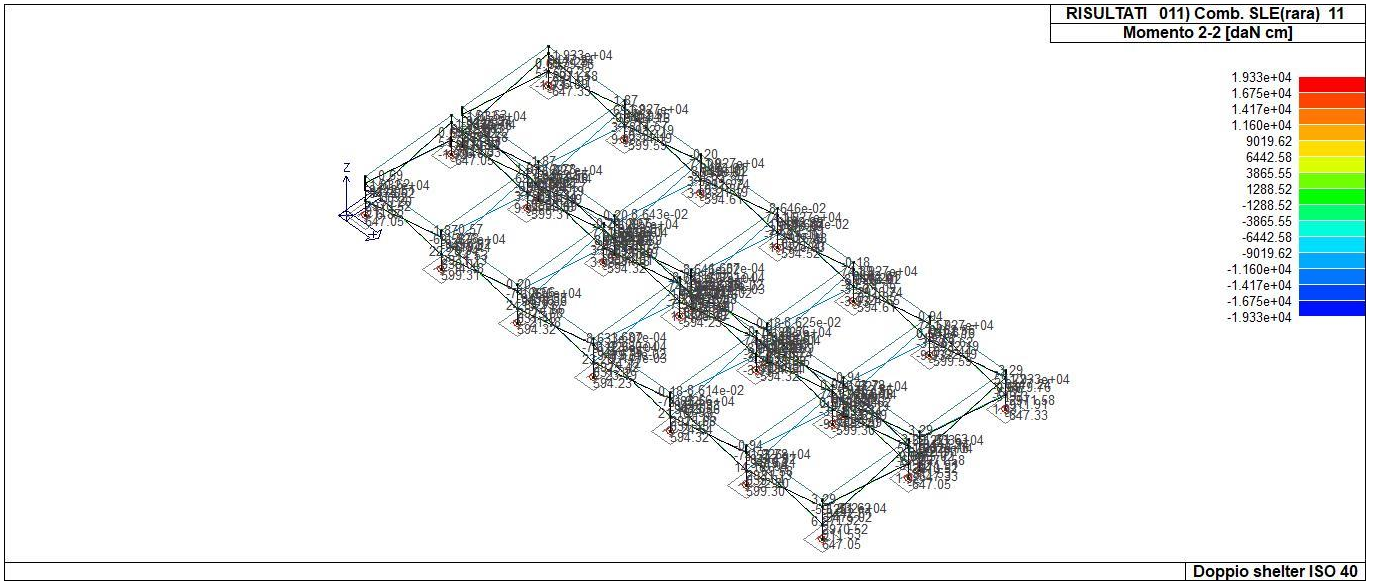
1.919e+04												
3.666e+04		-1.935e+04	-188.19	-6.74e-04	0.0	112.5	-544.65	-0.72	1.67	0.32	-0.09	
1.935e+04						225.1	-544.65	-994.68	1.67	0.32	188.00	-
1.902e+04	38	3.666e+04	653.80	-8.32e-03	-1987.93	0.0	-544.67	991.77	-5.81	0.75	653.80	-
3.666e+04		-1.951e+04	-653.98	-9.64e-04	0.0	112.5	-544.67	-2.20	-5.81	0.75	-0.09	
1.951e+04						225.1	-544.67	-996.16	-5.81	0.75	-653.98	-
1.909e+04	40	3.666e+04	965.15	-8.02e-03	-1987.93	0.0	-544.68	992.41	8.58	-0.76	-965.31	-
3.666e+04		-1.944e+04	-965.31	6.95e-04	0.0	112.5	-544.68	-1.55	8.58	-0.76	-0.08	
1.944e+04						225.1	-544.68	-995.52	8.58	-0.76	965.15	-
1.944e+04	43	3.666e+04	965.14	-6.47e-03	-1987.93	0.0	-544.67	995.52	-8.58	0.76	965.14	-
3.666e+04		-1.944e+04	-965.32	-6.95e-04	0.0	112.5	-544.67	1.55	-8.58	0.76	-0.09	
1.909e+04						225.1	-544.67	-992.41	-8.58	0.76	-965.32	-
1.922e+04	56	3.666e+04	391.90	-7.46e-03	-1987.93	0.0	-544.69	993.57	-3.48	0.07	391.90	-
3.666e+04		-1.931e+04	-392.06	1.07e-04	0.0	112.5	-544.69	-0.39	-3.48	0.07	-0.08	
1.931e+04						225.1	-544.69	-994.36	-3.48	0.07	-392.06	-
1.932e+04	57	3.666e+04	97.05	-7.03e-03	-1987.93	0.0	-544.69	994.44	-0.86	-0.20	97.05	-
3.666e+04		-1.932e+04	-97.22	4.11e-04	0.0	112.5	-544.69	0.47	-0.86	-0.20	-0.08	
1.921e+04						225.1	-544.69	-993.49	-0.86	-0.20	-97.22	-
1.921e+04	58	3.666e+04	97.04	-7.46e-03	-1987.93	0.0	-544.66	993.49	0.86	0.20	-97.22	-
3.666e+04		-1.932e+04	-97.22	-4.11e-04	0.0	112.5	-544.66	-0.47	0.86	0.20	-0.09	
1.932e+04						225.1	-544.66	-994.44	0.86	0.20	97.04	-
1.910e+04	70	3.666e+04	417.96	-7.96e-03	-1987.93	0.0	-544.67	992.51	-3.71	0.48	417.96	-
3.666e+04		-1.943e+04	-418.13	-6.19e-04	0.0	112.5	-544.67	-1.45	-3.71	0.48	-0.09	
1.943e+04						225.1	-544.67	-995.42	-3.71	0.48	-418.13	-
1.915e+04	72	3.666e+04	610.62	-7.75e-03	-1987.93	0.0	-544.68	992.95	5.43	-0.50	-610.80	-
3.666e+04		-1.938e+04	-610.80	4.65e-04	0.0	112.5	-544.68	-1.01	5.43	-0.50	-0.09	
1.938e+04						225.1	-544.68	-994.98	5.43	-0.50	610.62	-
1.938e+04	75	3.666e+04	610.62	-6.74e-03	-1987.93	0.0	-544.67	994.98	-5.43	0.50	610.62	-
3.666e+04		-1.938e+04	-610.80	-4.65e-04	0.0	112.5	-544.67	1.01	-5.43	0.50	-0.09	
1.915e+04						225.1	-544.67	-992.95	-5.43	0.50	-610.80	-
1.927e+04	80	3.666e+04	-0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	-0.09	-
3.666e+04		-1.927e+04	-0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	-0.09	
1.927e+04						225.1	-544.67	-993.96	0.0	0.0	-0.09	-
1.927e+04	81	3.666e+04	-0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	-0.09	-
3.666e+04		-1.927e+04	-0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	-0.09	
1.927e+04						225.1	-544.67	-993.96	0.0	0.0	-0.09	-
1.927e+04	82	3.666e+04	-0.09	-7.24e-03	-1987.93	0.0	-544.67	993.96	0.0	0.0	-0.09	-
3.666e+04		-1.927e+04	-0.09	0.0	0.0	112.5	-544.67	4.57e-06	0.0	0.0	-0.09	
						225.1	-544.67	-993.96	0.0	0.0	-0.09	-

1.927e+04												
198	1	4.765e+04	0.75	-9.42e-03	-2584.31	0.0	-708.61	1292.15	0.0	0.0	0.75	-
2.506e+04		-2.506e+04	0.75	0.0	0.0	112.5	-708.61	5.95e-06	0.0	0.0	0.75	
4.765e+04						225.1	-708.61	-1292.15	0.0	0.0	0.75	-
2.506e+04												
198	2	3.666e+04	0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	0.58	-
1.927e+04		-1.927e+04	0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	0.58	-
1.927e+04												
198	11	3.666e+04	0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	0.58	-
1.927e+04		-1.927e+04	0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	0.58	-
1.927e+04												
198	24	3.666e+04	33.31	-7.63e-03	-1987.93	0.0	-545.09	993.36	-0.29	-0.06	33.31	-
1.921e+04		-1.934e+04	-32.25	1.73e-04	0.0	112.5	-545.09	-0.60	-0.29	-0.06	0.53	
3.666e+04						225.1	-545.09	-994.56	-0.29	-0.06	-32.25	-
1.934e+04												
198	27	3.666e+04	33.40	-6.86e-03	-1987.93	0.0	-545.08	994.56	0.29	0.06	-32.16	-
1.934e+04		-1.934e+04	-32.16	-1.73e-04	0.0	112.5	-545.08	0.60	0.29	0.06	0.62	
3.666e+04						225.1	-545.08	-993.36	0.29	0.06	33.40	-
1.921e+04												
198	38	3.666e+04	764.00	-8.39e-03	-1987.93	0.0	-545.08	991.62	6.78	-0.50	-762.83	-
1.901e+04		-1.954e+04	-762.83	-9.68e-04	0.0	112.5	-545.08	-2.34	6.78	-0.50	0.59	
3.666e+04						225.1	-545.08	-996.30	6.78	-0.50	764.00	-
1.954e+04												
198	45	3.666e+04	798.73	-6.62e-03	-1987.93	0.0	-545.09	995.21	-7.09	0.60	798.73	-
1.941e+04		-1.941e+04	-797.60	-7.19e-04	0.0	112.5	-545.09	1.25	-7.09	0.60	0.56	
3.666e+04						225.1	-545.09	-992.72	-7.09	0.60	-797.60	-
1.913e+04												
198	46	3.666e+04	798.75	-7.86e-03	-1987.93	0.0	-545.08	992.72	7.09	-0.60	-797.58	-
1.913e+04		-1.941e+04	-797.58	7.19e-04	0.0	112.5	-545.08	-1.25	7.09	-0.60	0.59	
3.666e+04						225.1	-545.08	-995.21	7.09	-0.60	798.75	-
1.941e+04												
198	56	3.666e+04	13.77	-7.50e-03	-1987.93	0.0	-545.09	993.56	-0.12	-0.04	13.77	-
1.923e+04		-1.932e+04	-12.67	8.48e-05	0.0	112.5	-545.09	-0.40	-0.12	-0.04	0.55	
3.666e+04						225.1	-545.09	-994.37	-0.12	-0.04	-12.67	-
1.932e+04												
198	59	3.666e+04	13.82	-6.99e-03	-1987.93	0.0	-545.08	994.37	0.12	0.04	-12.62	-
1.932e+04		-1.932e+04	-12.62	-8.48e-05	0.0	112.5	-545.08	0.40	0.12	0.04	0.60	
3.666e+04						225.1	-545.08	-993.56	0.12	0.04	13.82	-
1.923e+04												
198	70	3.666e+04	461.32	-8.01e-03	-1987.93	0.0	-545.08	992.41	4.09	-0.31	-460.16	-
1.910e+04		-1.945e+04	-460.16	-6.21e-04	0.0	112.5	-545.08	-1.55	4.09	-0.31	0.58	
3.666e+04						225.1	-545.08	-995.52	4.09	-0.31	461.32	-
1.945e+04												
198	77	3.666e+04	506.01	-6.84e-03	-1987.93	0.0	-545.09	994.76	-4.49	0.39	506.01	-
1.936e+04		-1.936e+04	-504.88	-4.77e-04	0.0	112.5	-545.09	0.80	-4.49	0.39	0.57	
3.666e+04						225.1	-545.09	-993.17	-4.49	0.39	-504.88	-
1.918e+04												
198	78	3.666e+04	506.03	-7.64e-03	-1987.93	0.0	-545.08	993.17	4.49	-0.39	-504.86	-
1.918e+04		-1.936e+04	-504.86	4.77e-04	0.0	112.5	-545.08	-0.80	4.49	-0.39	0.58	

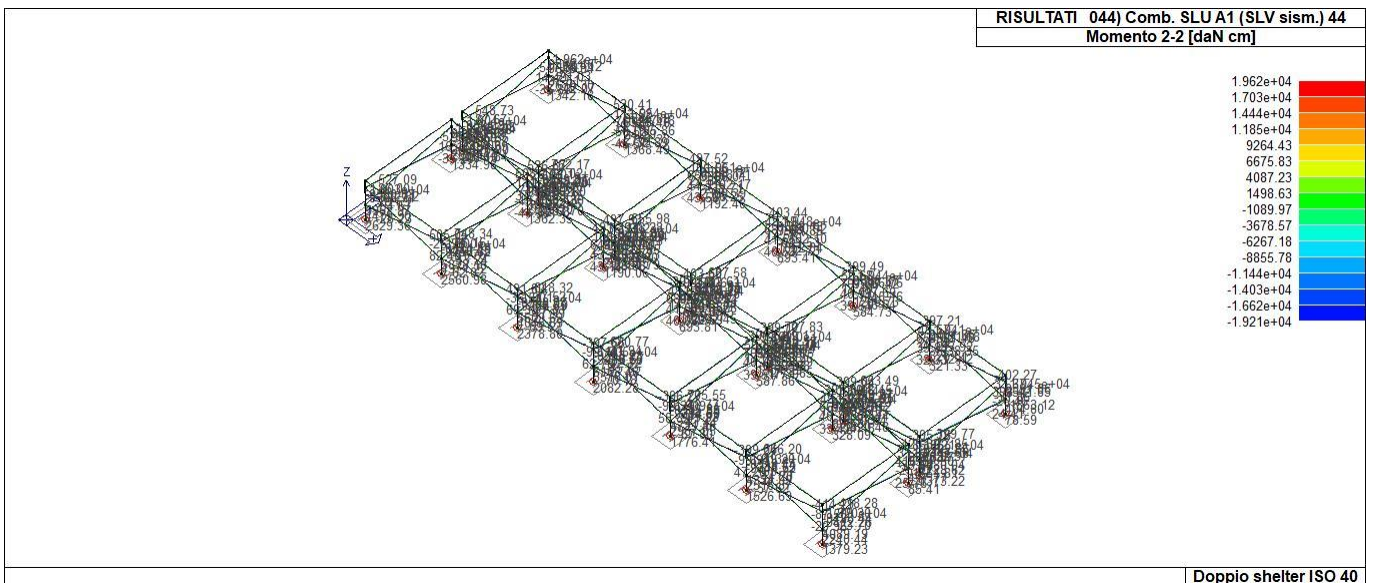
3.666e+04						225.1	-545.08	-994.76	4.49	-0.39	506.03	-
1.936e+04												
198	80	3.666e+04	0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	0.58	-
1.927e+04		-1.927e+04	0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	0.58	-
1.927e+04												
198	81	3.666e+04	0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	0.58	-
1.927e+04		-1.927e+04	0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	0.58	-
1.927e+04												
198	82	3.666e+04	0.58	-7.24e-03	-1987.93	0.0	-545.08	993.96	0.0	0.0	0.58	-
1.927e+04		-1.927e+04	0.58	0.0	0.0	112.5	-545.08	4.57e-06	0.0	0.0	0.58	
3.666e+04						225.1	-545.08	-993.96	0.0	0.0	0.58	-
1.927e+04												
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-3.828e+04	-1012.17	-0.02	-2584.31		-713.56	-1292.15	-9.00	-2.81		
		4.766e+04	1012.17	0.02	0.0		680.98	1292.15	9.00	2.81		



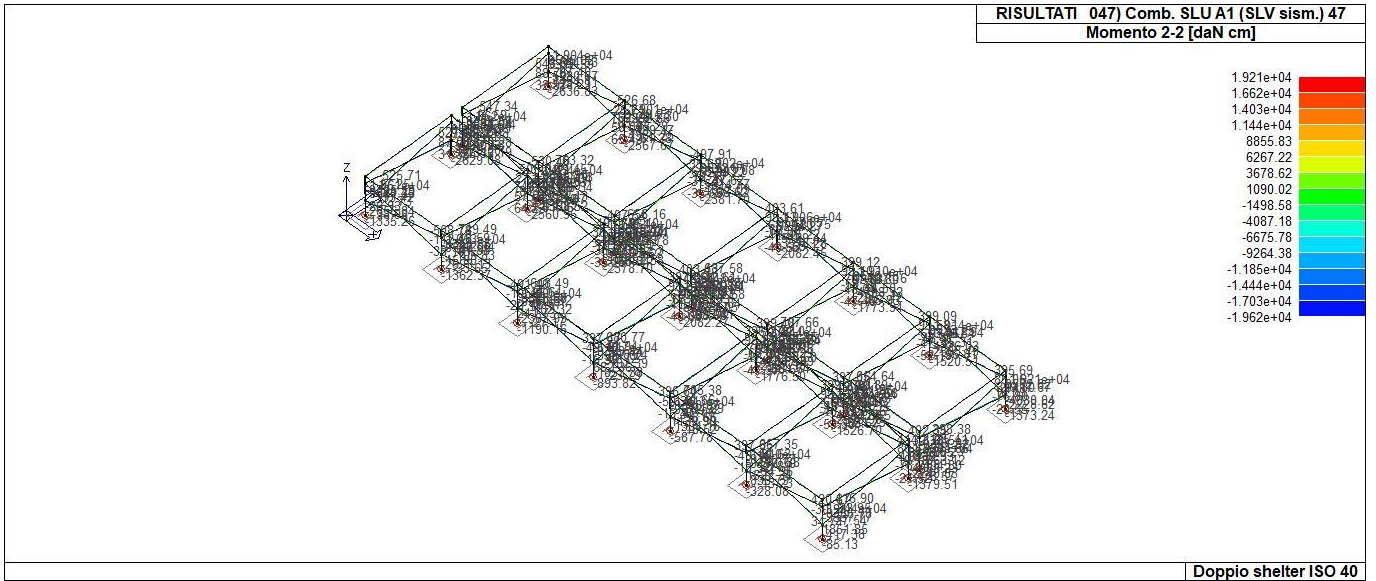
43_RIS_M2_001_Comb SLU A1 1



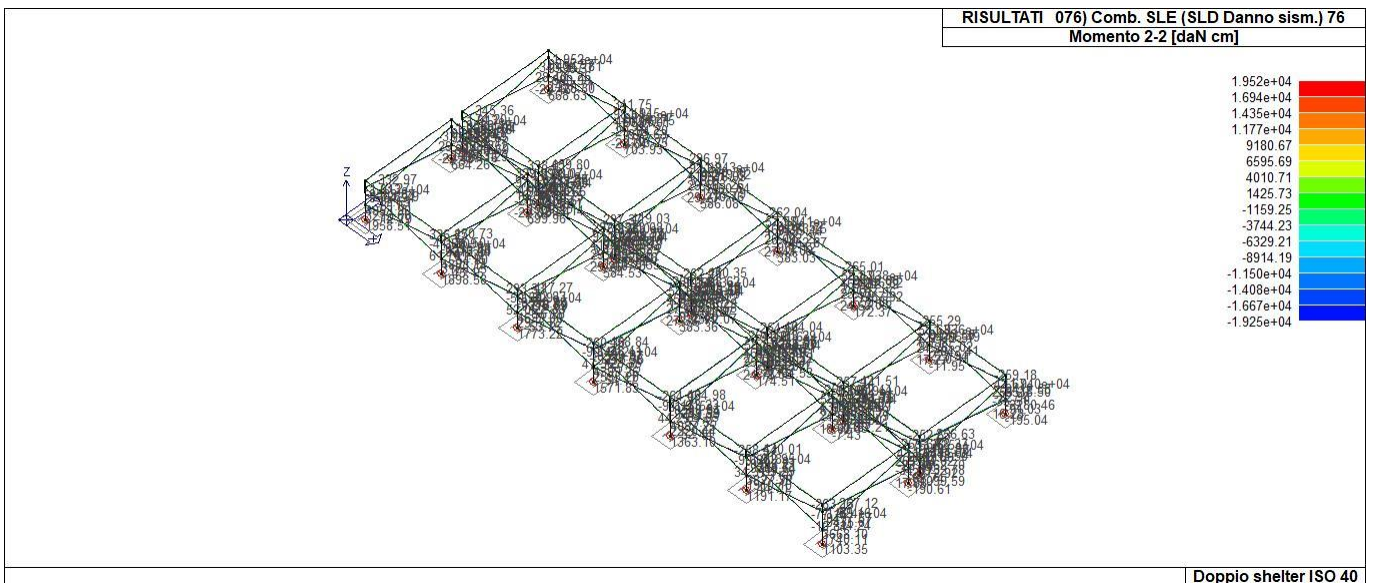
43_RIS_M2_011_Comb SLE(rara) 11



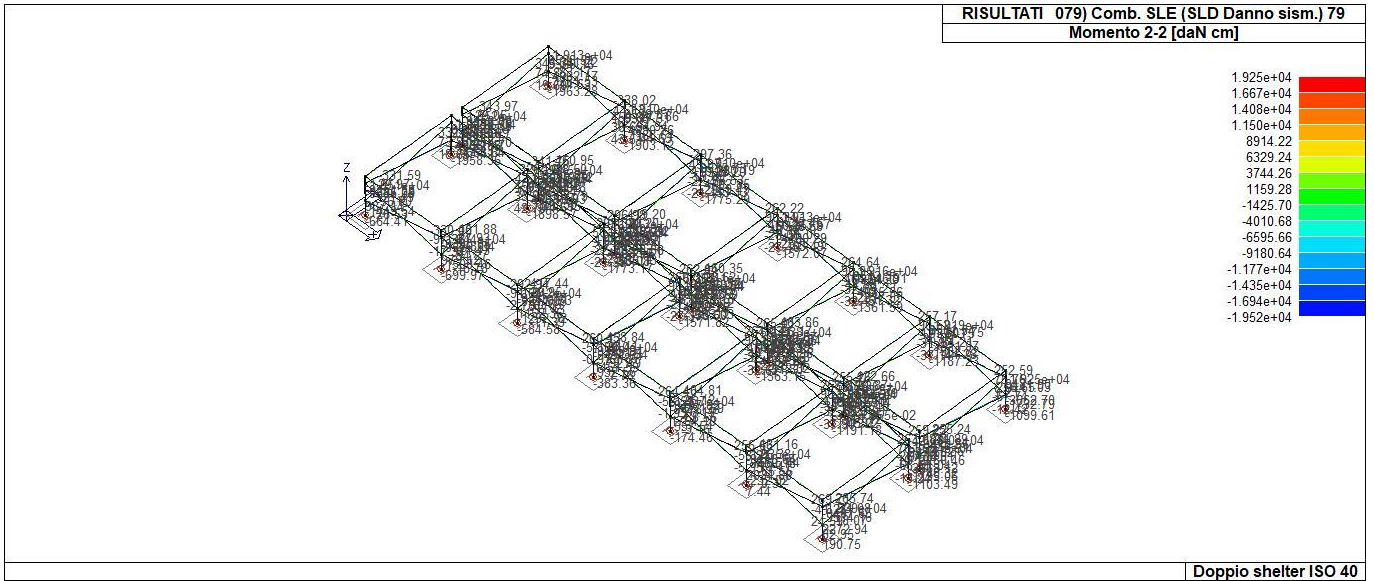
43_RIS_M2_044_Comb SLU A1 SLV sism 44



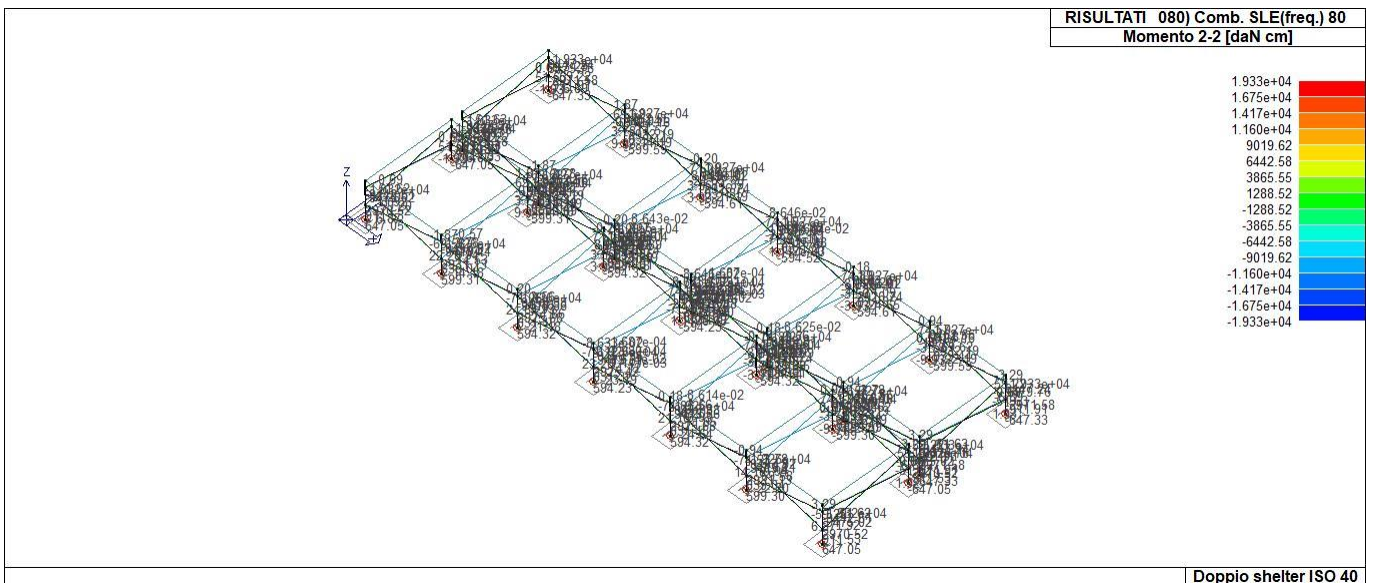
43_RIS_M2_047_Comb SLU A1 SLV sism 47



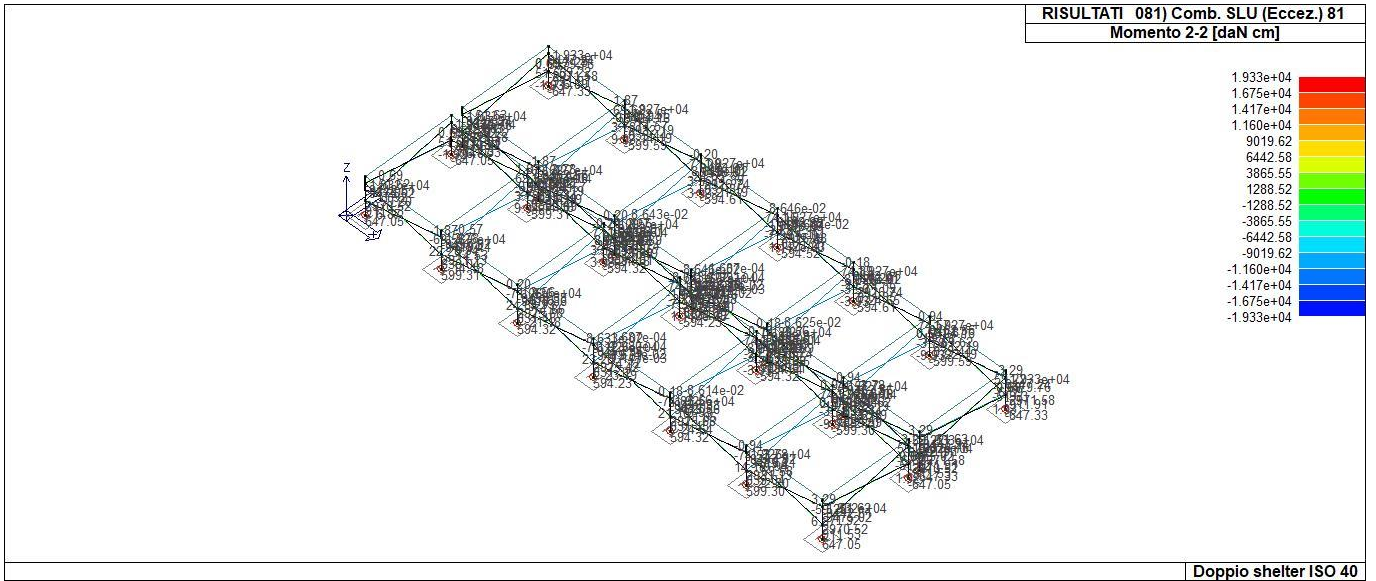
43_RIS_M2_076_Comb SLE SLD Danno sism 76



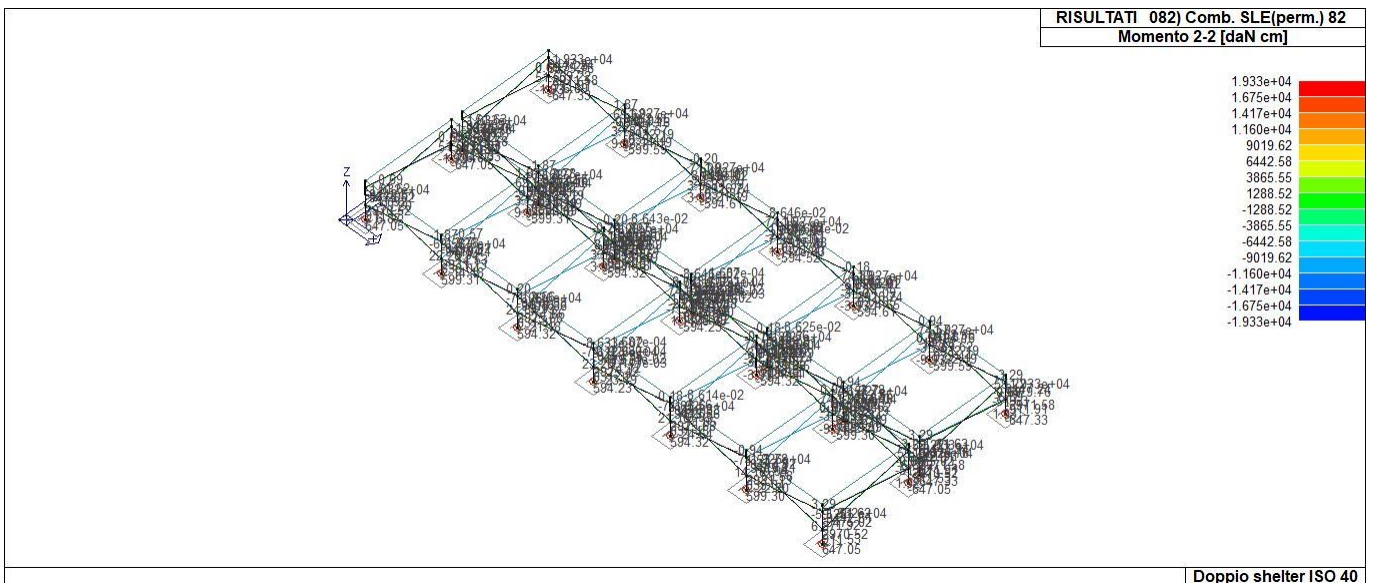
43_RIS_M2_079_Comb SLE SLD Danno sism 79



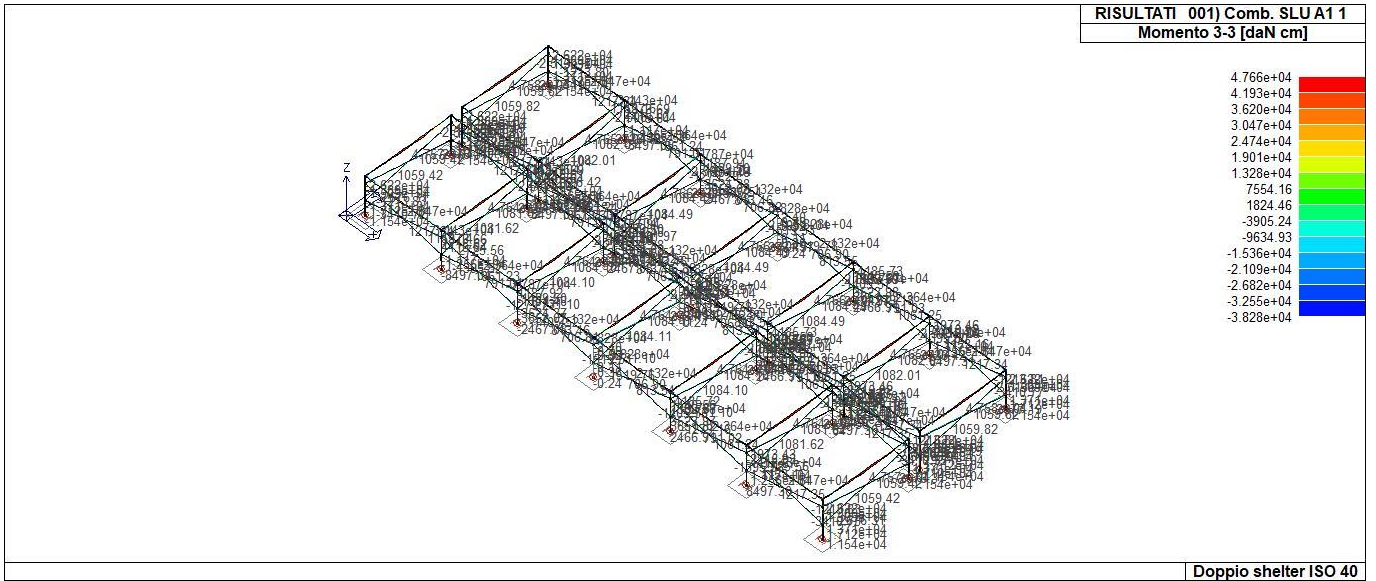
43_RIS_M2_080_Comb SLEfreq 80



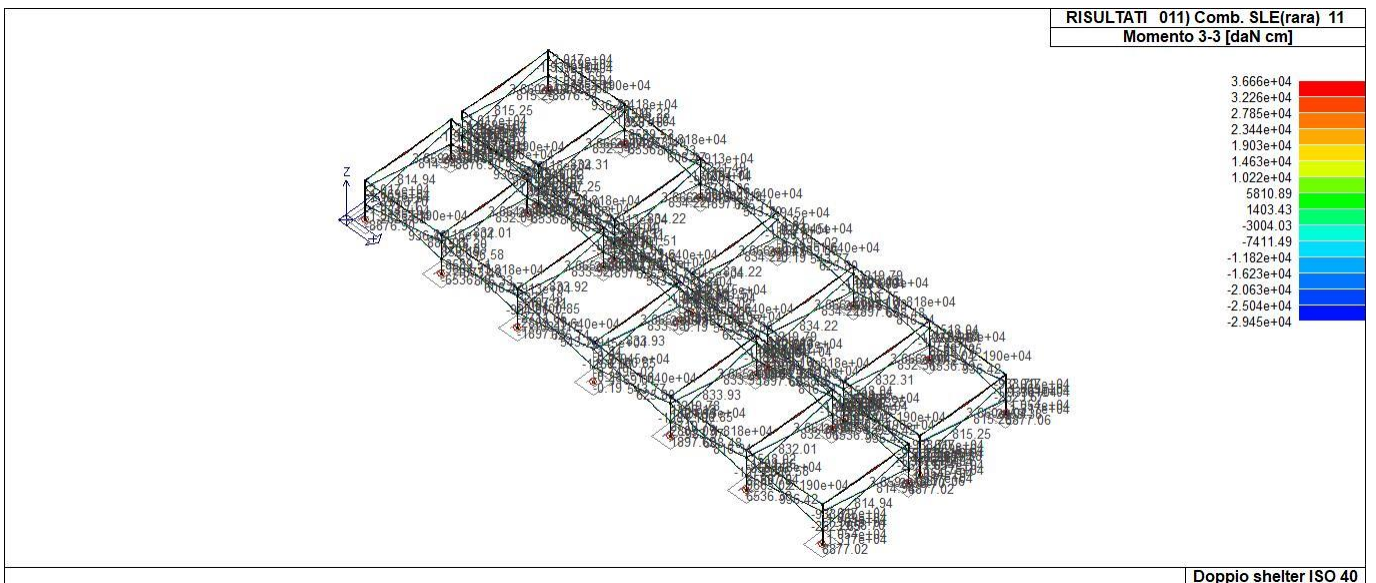
43_RIS_M2_081_Comb SLU Eccez 81



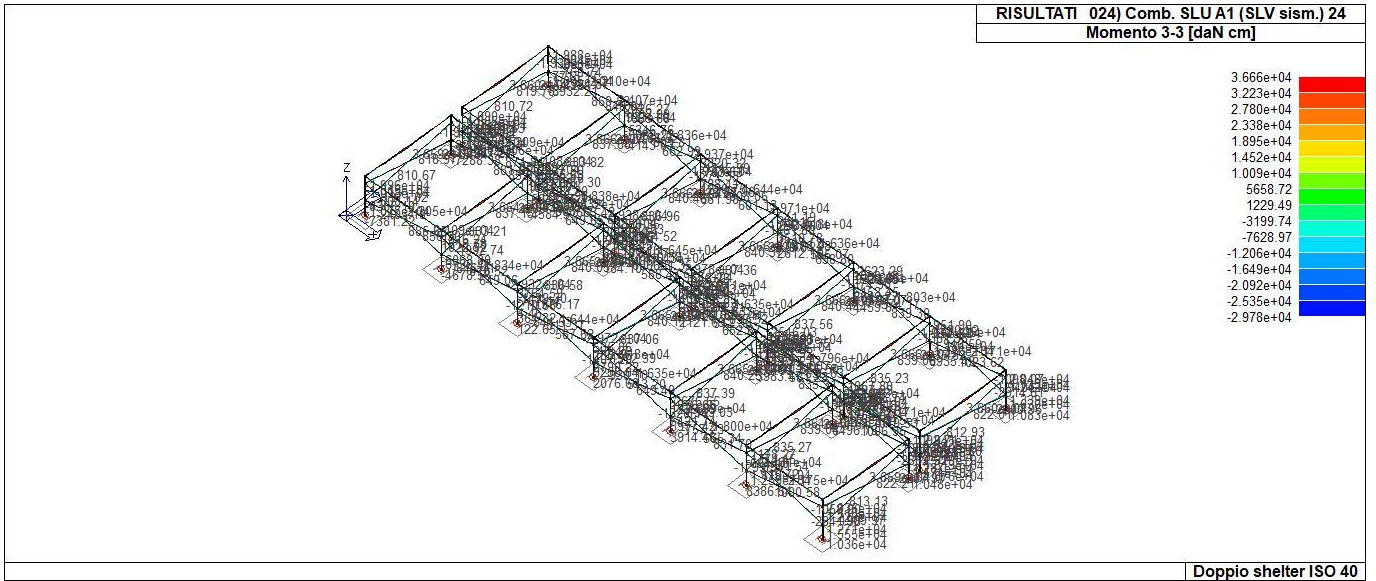
43_RIS_M2_082_Comb SLEperm 82



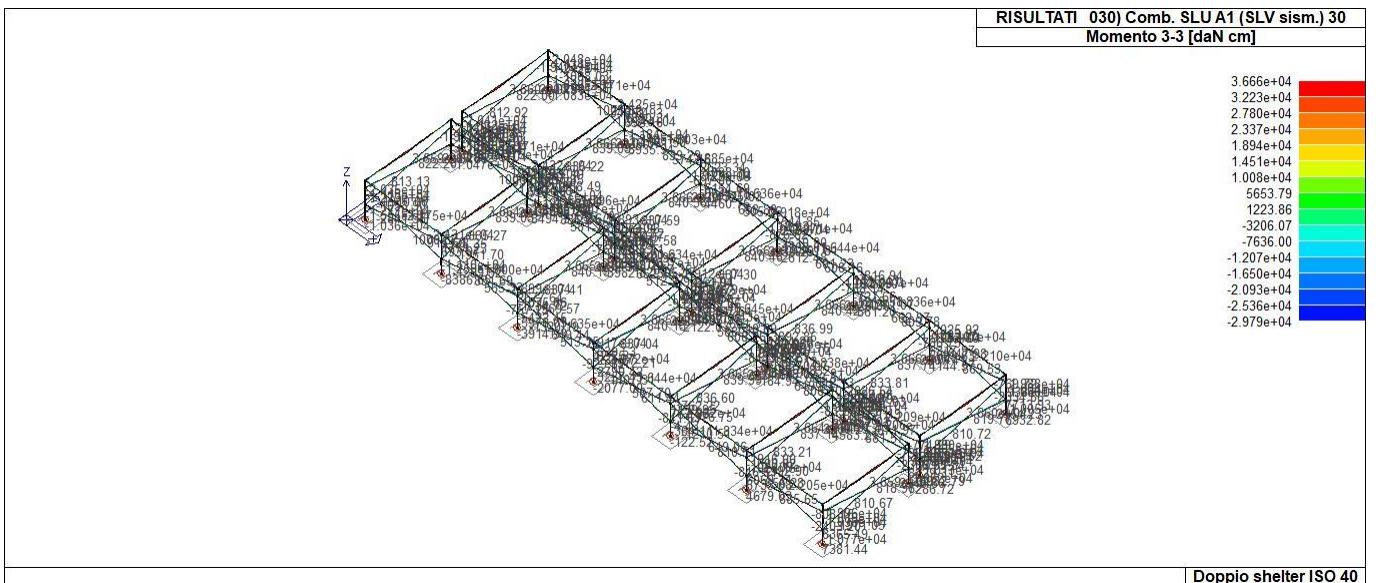
43_RIS_M3_001_Comb SLU A1 1



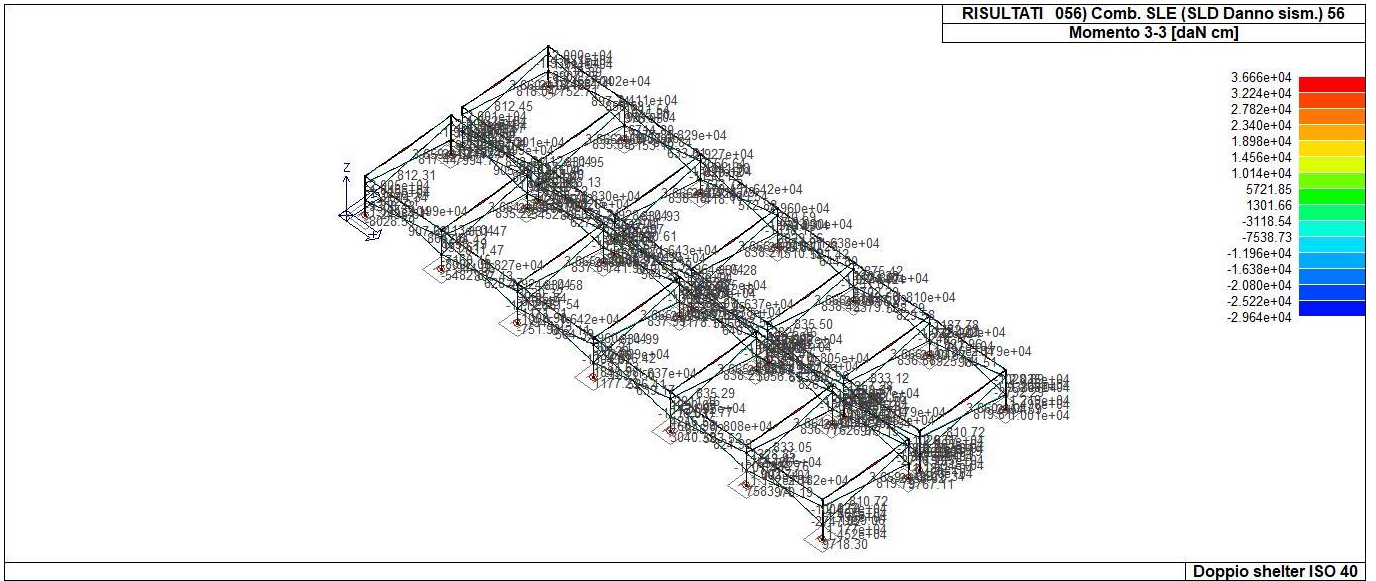
43_RIS_M3_011_Comb SLErara 11



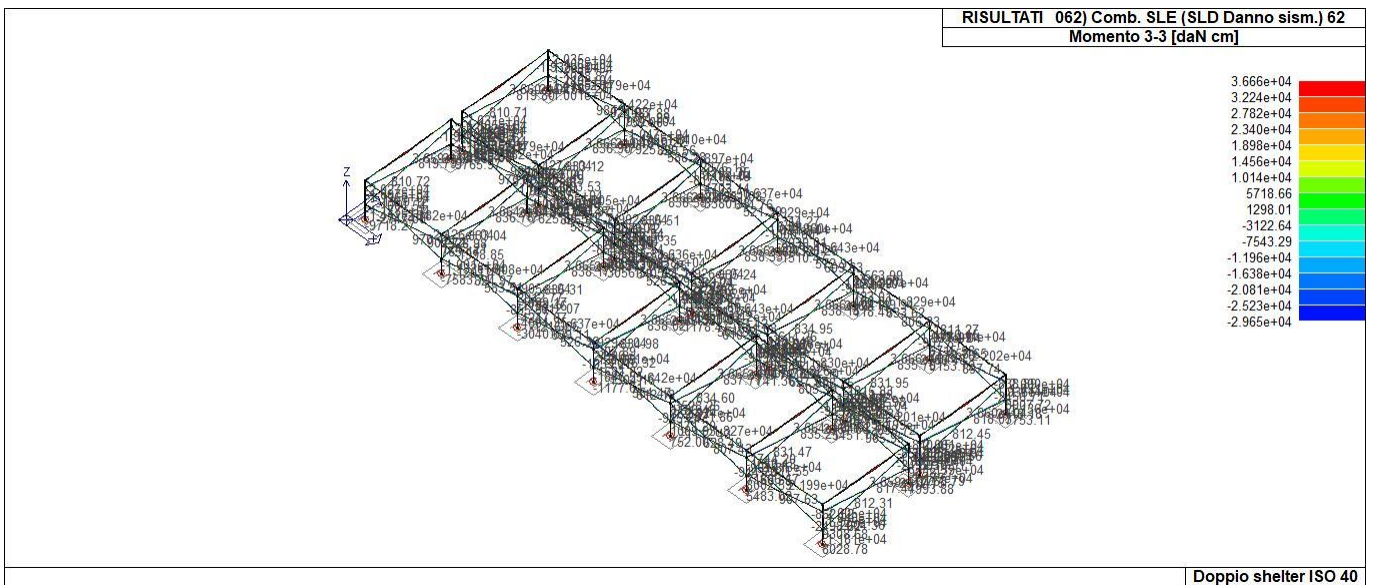
43_RIS_M3_024_Comb SLU A1 SLV sism 24



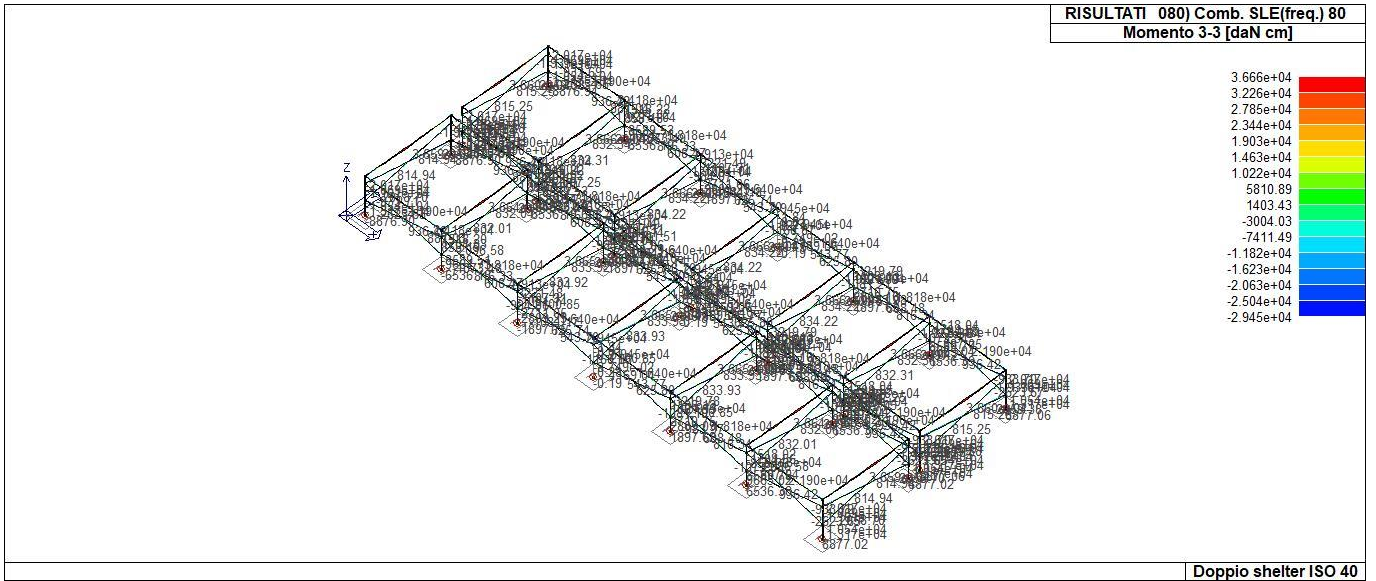
43_RIS_M3_030_Comb SLU A1 SLV sism 30



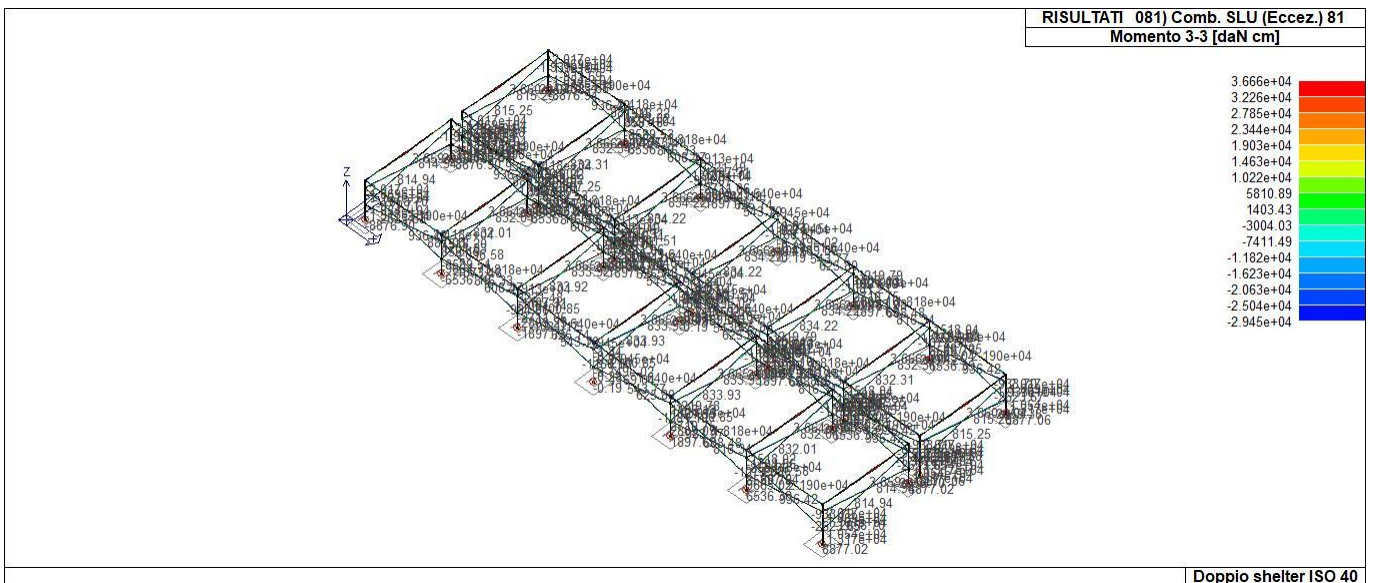
43_RIS_M3_056_Comb SLE SLD Danno sism 56



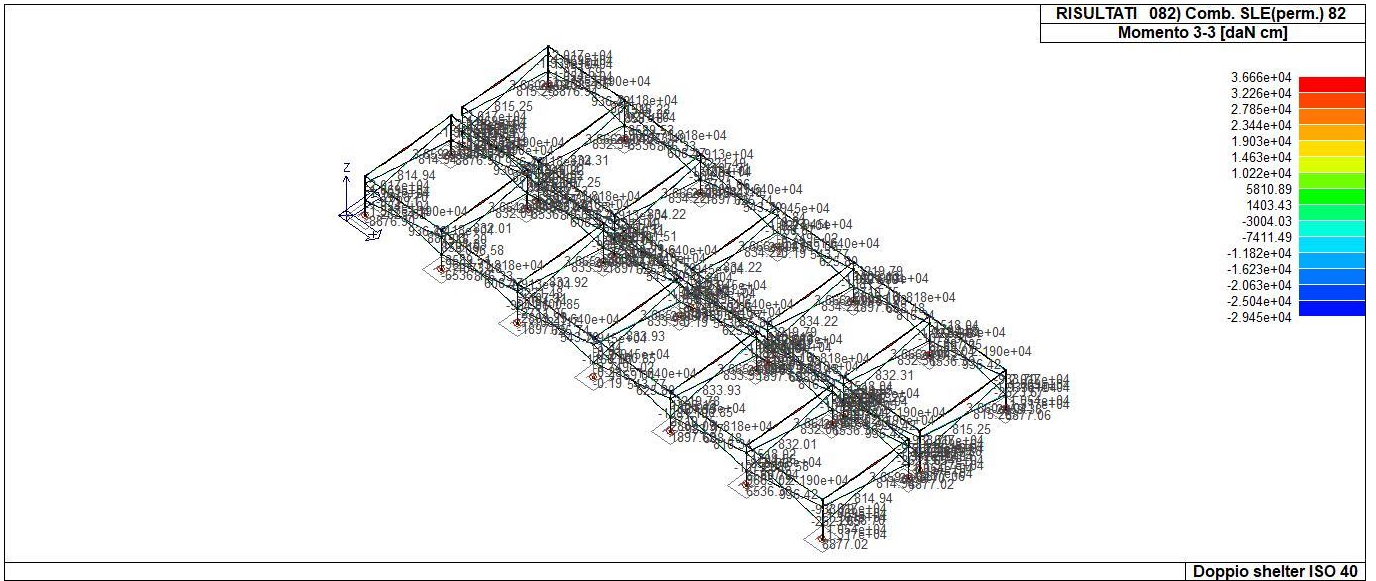
43_RIS_M3_062_Comb SLE SLD Danno sism 62



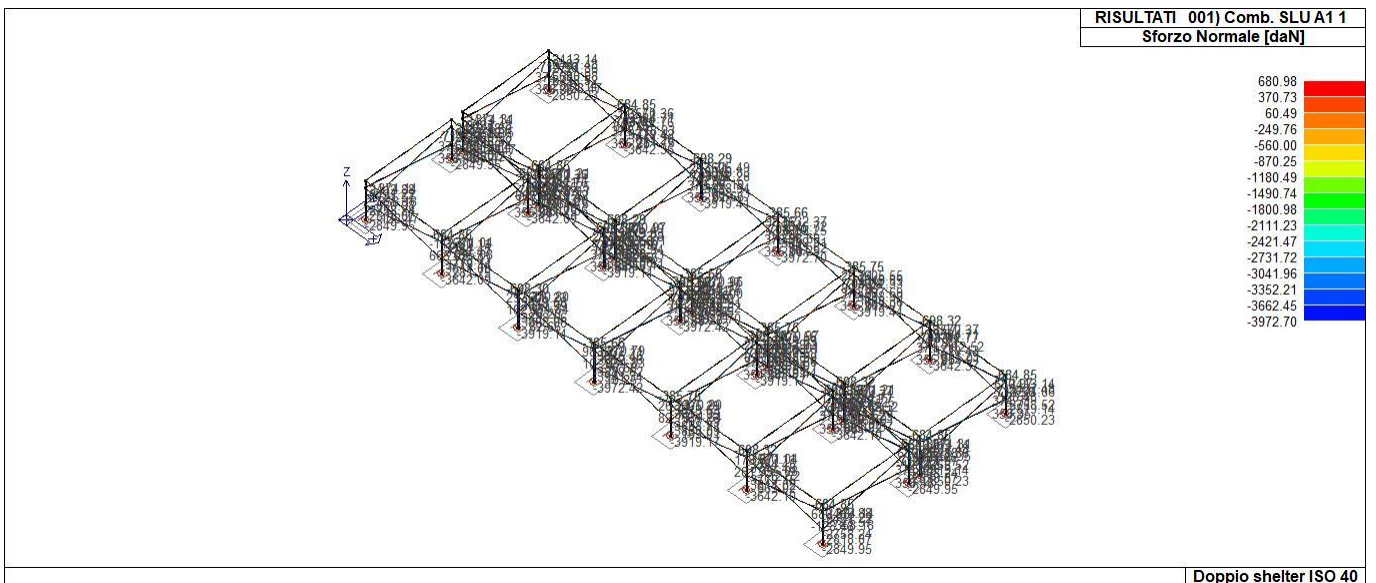
43_RIS_M3_080_Comb SLEfreq 80



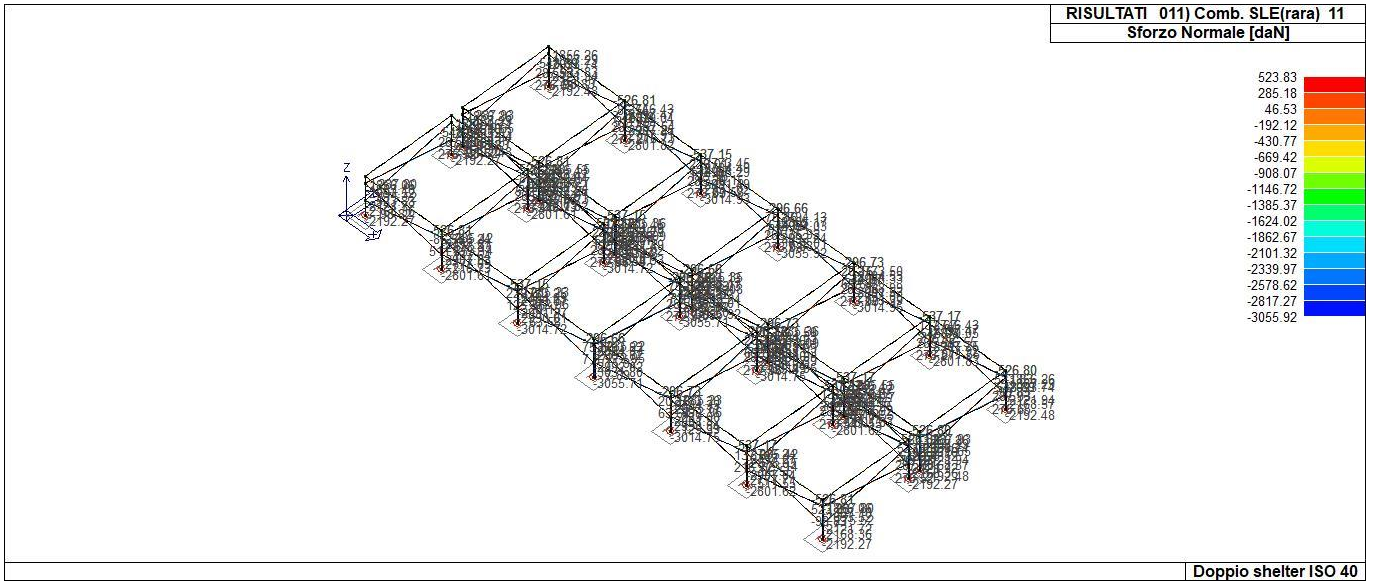
43_RIS_M3_081_Comb SLU Eccz 81



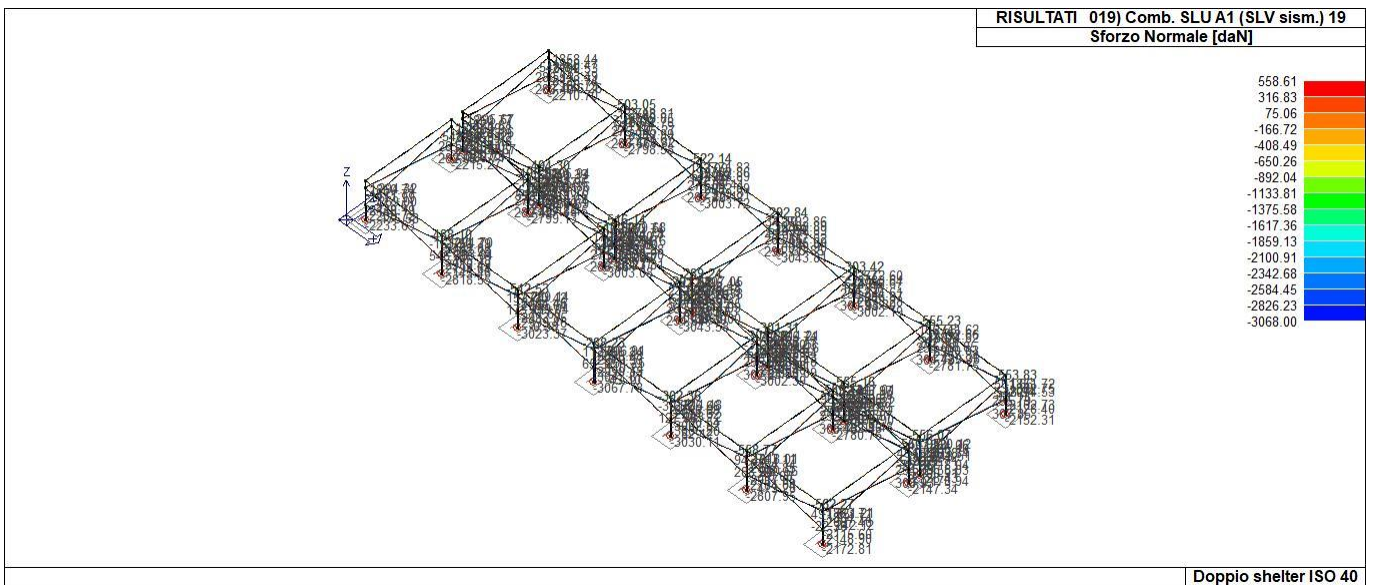
43_RIS_M3_082_Comb SLEperm 82



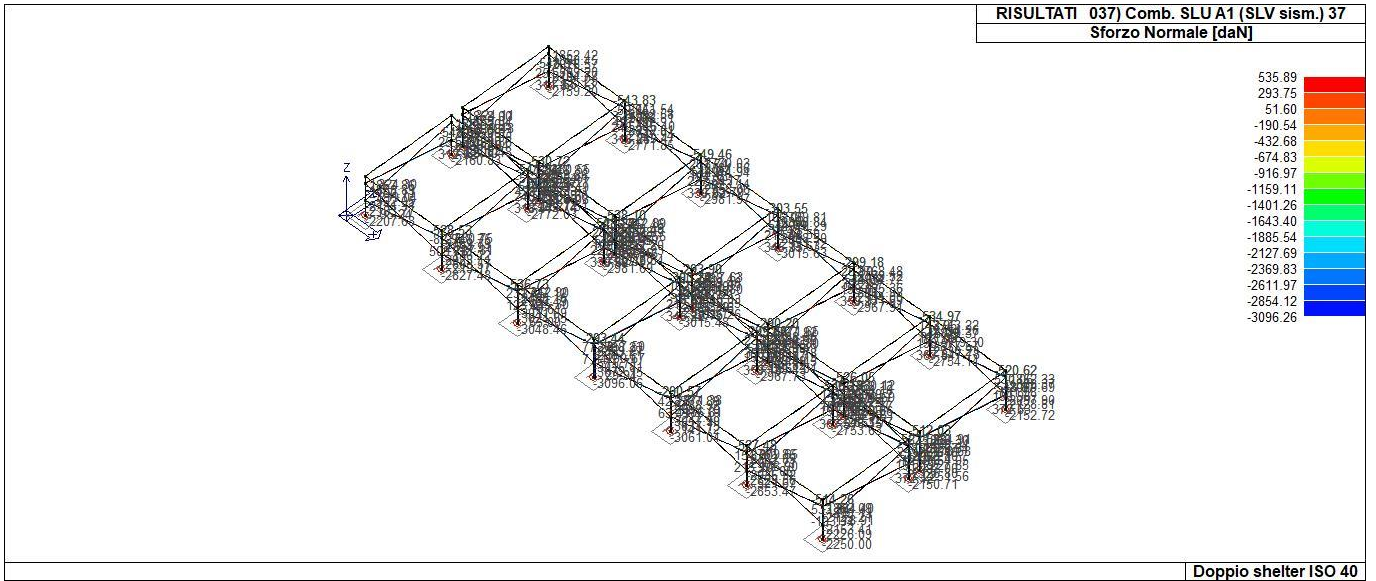
43_RIS_N_001_Comb SLU A1 1



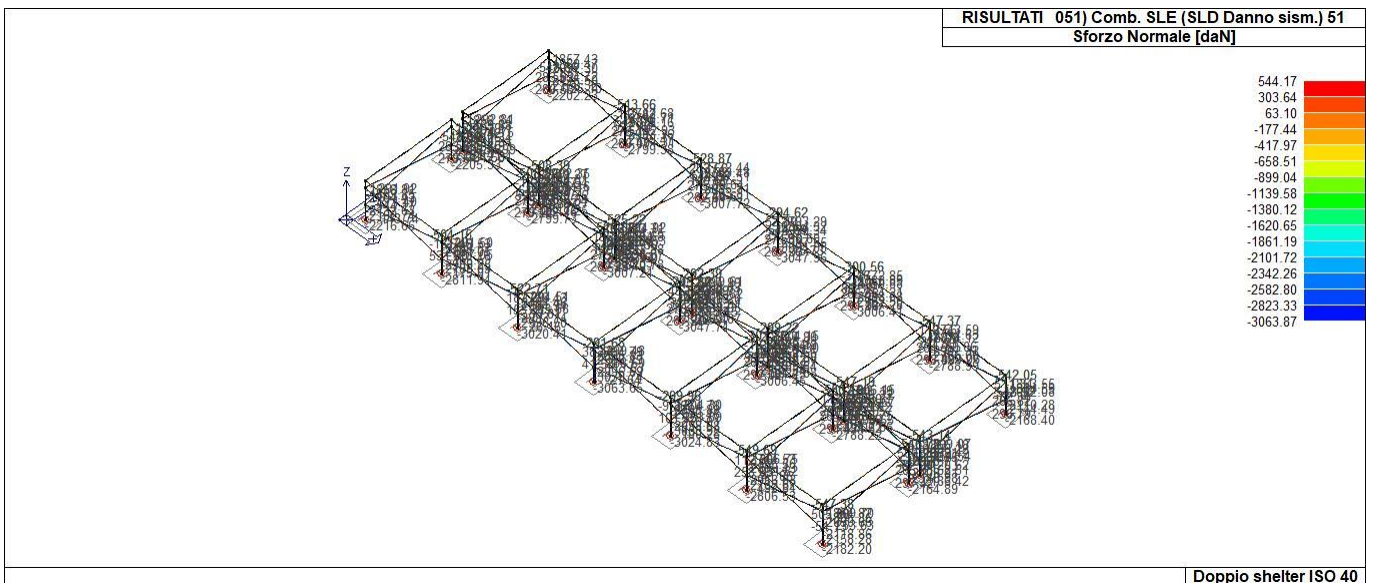
43_RIS_N_011_Comb SLErara 11



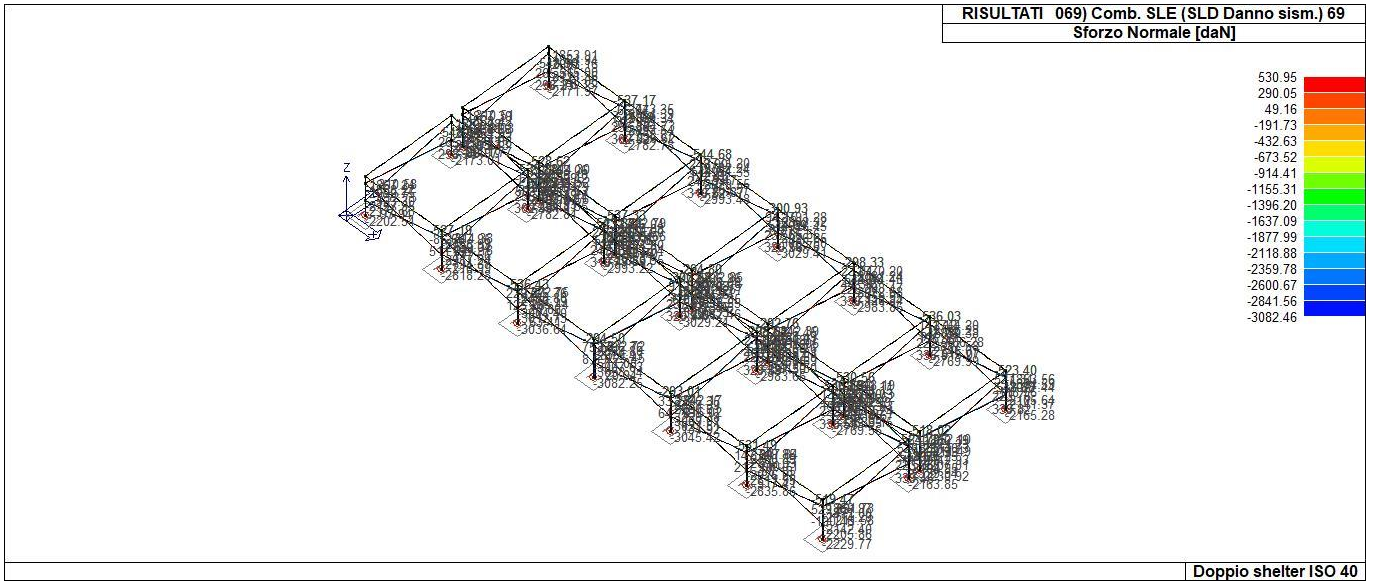
43_RIS_N_019_Comb SLU A1 SLV sism 19



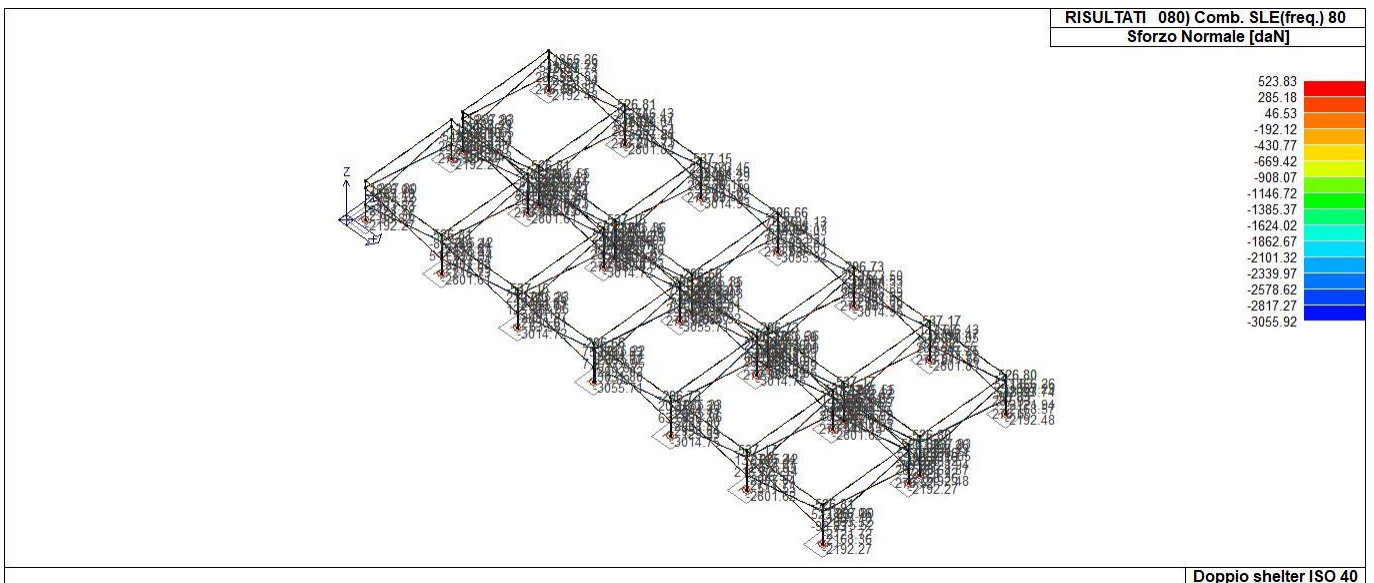
43_RIS_N_037_Comb SLU A1 SLV sism 37



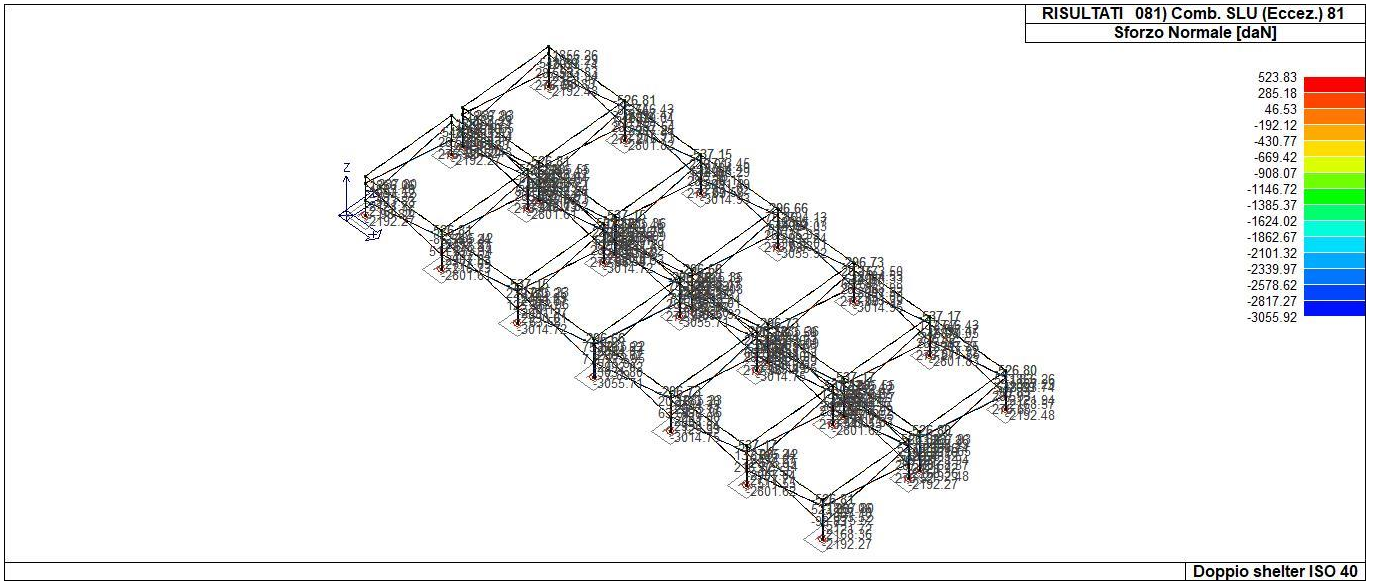
43_RIS_N_051_Comb SLE SLD Danno sism 51



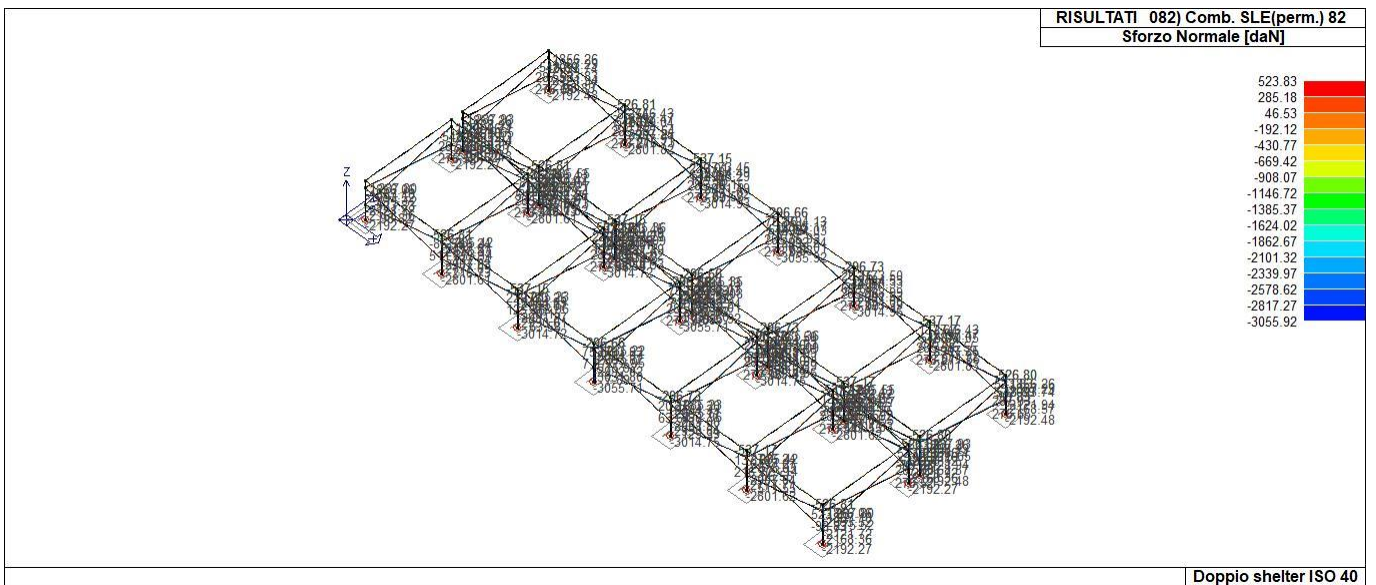
43_RIS_N_069_Comb SLE SLD Danno sism 69



43_RIS_N_080_Comb SLEfreq 80



43_RIS_N_081_Comb SLU Eccez 81



43_RIS_N_082_Comb SLEperm 82

VERIFICHE PER ELEMENTI IN ACCIAIO

LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. **aste** 2. **travi** 3. **pilastr**

L'esito delle verifiche è espresso con un codice come di seguito indicato

Ok: verifica con esito positivo
NV: verifica con esito negativo
Nr: verifica non richiesta.

Per comodità gli elementi vengono raggruppati in tabelle in relazione al tipo.

Ai fini delle verifiche (come da D.M. 17 Gennaio 2018 e circolare 21 Gennaio 2019 n.7) i tipi elementi differiscono per i seguenti aspetti:

Verifica	Aste	Travi	Pilastr
4.2.3.1 Classificazione	X	X	X
4.2.4.1.2.1 Trazione	X	X	X
4.2.4.1.2.2 Compressione	X	X	X
4.2.4.1.2.4 Taglio		X	X
4.2.4.1.2.5 Torsione		X	X
Flessione, taglio e forza assiale		X	X
4.2.4.1.3.1 Aste compresse	X	X	X
4.2.4.1.3.2 Instabilità flesso-torsionale		X	X
4.2.4.1.3.3 Membrature inflesse e compresse		X	X

Ai fini delle verifiche per strutture dissipative (come da D.M. 17 Gennaio 2018 e 2018 e circolare 21 Gennaio 2019 n.7) per strutture intelaiate e a controventi concentrici) si considerano le verifiche del capitolo 4 con azioni amplificate e le verifiche del capitolo 7:

Verifica	Travi	Pilastr
4.2.4.1.2.1 Trazione	X	X
4.2.4.1.2.2 Compressione	X	X
4.2.4.1.2.4 Taglio	X	X
4.2.4.1.2.5 Torsione	X	X
Flessione, taglio e forza assiale	X	X
4.2.4.1.3.1 Aste compresse	X	X
4.2.4.1.3.2 Instabilità flesso-torsionale	X	X
4.2.4.1.3.3 Membrature inflesse e compresse	X	X
7.5.3 Sfruttamento per momento	X	
7.5.4 Sfruttamento per sforzo normale	X	
7.5.5 Sfruttamento per taglio da capacità flessionale	X	
7.5.9 Sfruttamento per taglio amplificato		X

Viene inoltre riportata la verifica della "Gerarchia delle resistenze trave-colonna" per ogni colonna, considerando piede e testa in entrambe le direzioni globali X e Y.

L'insieme delle verifiche sopra riportate è condotto sugli elementi purché dotati di sezione idonea come da tabella seguente:

Azione	SEZIONI GENERICHE	PROFILI SEMPLICI	PROFILI ACCOPPIATI
4.2.3.1 Classificazione automatica	L, doppio T, C, rettangolare cava, circolare cava	Tutti	Da profilo semplice
4.2.3.1 Classificazione di default 2	Circolare		
4.2.3.1 Classificazione di default 3	restanti		
4.2.4.1.2.1 Trazione	si	si	si
4.2.4.1.2.2 Compressione	si	si	si
4.2.4.1.2.4 Taglio	si	si	si
4.2.4.1.2.5 Torsione	si	si	si
Flessione, taglio e forza assiale	si	si	si
4.2.4.1.3.1 Aste compresse	si	si	per elementi ravvicinati e a croce o coppie calastrellate
4.2.4.1.3.2 Travi inflesse	doppio T simmetrica	doppio T	no

Le verifiche sono riportate in tabelle con il significato sotto indicato; le verifiche sono espresse dal rapporto tra l'azione di progetto e la capacità ultima, pertanto la verifica ha esito positivo per rapporti non superiori all'unità.

Asta	Trave	Pilastro	numero dell'elemento			
Stato			codice di verifica per resistenza, stabilità, svergolamento			
Note			sezione e materiali adottati per l'elemento			
V N			(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)			
V V/T			(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)			
V N/M			(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto			
N	M3	M2	V2	V3	T	sollecitazioni di interesse per la verifica
V stab			(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)			
V stab			(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flesso-torsionale)			
BetaxL	B22xL	B33xL	lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)			
Snellezza			snellezza massima			
Classe			classe del profilo			
Chi mn			coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente			
Rif. cmb			combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati			
V flst			(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)			
B1-1 x L			Beta1-1 x L: interasse tra i ritegni torsionali			
Chi LT			coefficiente di riduzione (della capacità) per la modalità di instabilità flesso-torsionale			
Snell adim			Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5			
v.Omeg			Valore del rapporto capacità/domanda per l'azione di interesse (momento per travi e azione assiale per aste) utilizzato per l'amplificazione delle azioni			
f.Om. N			Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5			
f.Om. T			Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4			
V.7.5.4 M Ed			Verifica come prevista al punto 7.5.4 e valore dell'azione flettente			
V.7.5.5 N Ed			Verifica come prevista al punto 7.5.5 e valore dell'azione assiale			
V.7.5.6 V Ed,G V Ed,M			Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità			
V.7.5.10			V Ed Verifica come prevista al punto 7.5.10 e valore dell'azione di taglio			

sovr. Xi (Xf, Yi, Yf)	Valore della sovraresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)
------------------------------	--

Nel caso in cui lambdaS sia minore di 0.2, oppure nel caso in cui la sollecitazione di calcolo NEd sia inferiore a 0.04 Ncr, gli effetti legati ai fenomeni di instabilità sono trascurati, come da paragrafo 4.2.4.1.3.1

Trave cmb	Stato	Note	V V/T	V N/M	V stab	Cl.LamS	22LamS	33	Snell.	Chi mn	V flstLamS	LT	Chi LT	Rif.
85	ok	s=2,m=12	3.04e-03	6.26e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,41,0,1														
86	ok	s=2,m=12	3.04e-03	6.25e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,42,0,1														
87	ok	s=2,m=12	3.04e-03	6.25e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,47,0,1														
88	ok	s=2,m=12	3.04e-03	6.26e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,44,0,1														
89	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,41,0,1														
90	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,1,0,1														
91	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,1,0,1														
92	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,1,0,1														
93	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
94	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
95	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
96	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
97	ok	s=2,m=12	3.08e-03	6.31e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
98	ok	s=2,m=12	3.08e-03	6.31e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
99	ok	s=2,m=12	3.08e-03	6.31e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
100	ok	s=2,m=12	3.08e-03	6.31e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
101	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
102	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
103	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
104	ok	s=2,m=12	3.08e-03	6.34e-03		1	0.9	0.5	75.1	0.62	6.31e-03	0.5	1.00	
1,1,0,1														
105	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,35,0,1														
106	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,1,0,1														
107	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,1,0,1														
108	ok	s=2,m=12	3.07e-03	6.36e-03		1	0.9	0.5	75.1	0.62	6.30e-03	0.5	1.00	
1,38,0,1														
109	ok	s=2,m=12	3.04e-03	6.26e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,35,0,1														
110	ok	s=2,m=12	3.04e-03	6.25e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,32,0,1														
111	ok	s=2,m=12	3.04e-03	6.25e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,37,0,1														
112	ok	s=2,m=12	3.04e-03	6.26e-03		1	0.9	0.5	75.1	0.62	6.19e-03	0.5	1.00	
1,38,0,1														
113	ok	s=2,m=12	2.45e-03	7.65e-03		1	0.8	0.5	67.0	0.68	2.81e-03	0.4	1.00	
1,1,0,1														
114	ok	s=2,m=12	3.35e-03	7.93e-03	9.72e-03	1	0.8	0.5	67.0	0.68	7.88e-03	0.4	1.00	

1,1,1,1 115	ok s=2,m=12 2.45e-03 7.65e-03	1	0.8	0.5	67.0	0.68 2.81e-03	0.4	1.00
1,1,0,1 116	ok s=2,m=12 3.35e-03 7.93e-03 9.72e-03	1	0.8	0.5	67.0	0.68 7.88e-03	0.4	1.00
1,1,1,1 117	ok s=2,m=12 2.45e-03 7.65e-03	1	0.8	0.5	67.0	0.68 2.81e-03	0.4	1.00
1,1,0,1 118	ok s=2,m=12 3.35e-03 7.93e-03 9.72e-03	1	0.8	0.5	67.0	0.68 7.88e-03	0.4	1.00
1,1,1,1 119	ok s=2,m=12 2.45e-03 7.65e-03	1	0.8	0.5	67.0	0.68 2.81e-03	0.4	1.00
1,1,0,1 120	ok s=2,m=12 3.35e-03 7.93e-03 9.72e-03	1	0.8	0.5	67.0	0.68 7.88e-03	0.4	1.00
1,1,1,1 121	ok s=2,m=12 2.40e-03 3.12e-03	1	0.8	0.5	67.0	0.68 3.01e-03	0.4	1.00
1,16,0,21 122	ok s=2,m=12 2.32e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,21,0,1 123	ok s=2,m=12 2.40e-03 3.15e-03	1	0.8	0.5	67.0	0.68 2.96e-03	0.4	1.00
1,17,0,1 124	ok s=2,m=12 2.32e-03 3.35e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,23,0,1 125	ok s=2,m=12 2.40e-03 3.15e-03	1	0.8	0.5	67.0	0.68 2.96e-03	0.4	1.00
1,24,0,1 126	ok s=2,m=12 2.32e-03 3.34e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,30,0,1 127	ok s=2,m=12 2.40e-03 3.13e-03	1	0.8	0.5	67.0	0.68 3.01e-03	0.4	1.00
1,25,0,28 128	ok s=2,m=12 2.32e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,28,0,1 129	ok s=2,m=12 2.40e-03 3.65e-03 4.22e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,1,16,1 130	ok s=2,m=12 2.28e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,1,0,19 131	ok s=2,m=12 2.40e-03 3.66e-03 4.18e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,17,17,1 132	ok s=2,m=12 2.28e-03 3.47e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,23,0,1 133	ok s=2,m=12 2.40e-03 3.66e-03 4.18e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,24,24,1 134	ok s=2,m=12 2.28e-03 3.48e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,30,0,1 135	ok s=2,m=12 2.40e-03 3.65e-03 4.22e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,1,25,1 136	ok s=2,m=12 2.28e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,1,0,26 137	ok s=2,m=12 2.28e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,1,0,21 138	ok s=2,m=12 2.40e-03 3.65e-03 4.22e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,1,22,1 139	ok s=2,m=12 2.28e-03 3.47e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,17,0,1 140	ok s=2,m=12 2.40e-03 3.66e-03 4.18e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,23,23,1 141	ok s=2,m=12 2.28e-03 3.47e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,24,0,1 142	ok s=2,m=12 2.40e-03 3.66e-03 4.18e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,30,30,1 143	ok s=2,m=12 2.28e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.25e-03	0.4	1.00
1,1,0,28 144	ok s=2,m=12 2.40e-03 3.65e-03 4.22e-03	1	0.8	0.5	67.0	0.68 3.51e-03	0.4	1.00
1,1,31,1 145	ok s=2,m=12 2.32e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,19,0,1 146	ok s=2,m=12 2.40e-03 3.13e-03	1	0.8	0.5	67.0	0.68 3.01e-03	0.4	1.00
1,22,0,19 147	ok s=2,m=12 2.32e-03 3.35e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,17,0,1 148	ok s=2,m=12 2.40e-03 3.15e-03	1	0.8	0.5	67.0	0.68 2.96e-03	0.4	1.00
1,23,0,1 149	ok s=2,m=12 2.32e-03 3.35e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,24,0,1 150	ok s=2,m=12 2.40e-03 3.16e-03	1	0.8	0.5	67.0	0.68 2.96e-03	0.4	1.00
1,30,0,1 151	ok s=2,m=12 2.32e-03 3.38e-03	1	0.8	0.5	67.0	0.68 3.23e-03	0.4	1.00
1,26,0,1 152	ok s=2,m=12 2.40e-03 3.12e-03	1	0.8	0.5	67.0	0.68 3.01e-03	0.4	1.00

1,31,0,26													
153	ok s=2,m=12	3.35e-03	7.93e-03	9.72e-03	1	0.8	0.5	67.0	0.68788e-03	0.4	1.00		
1,1,1,1													
154	ok s=2,m=12	2.45e-03	7.65e-03		1	0.8	0.5	67.0	0.68281e-03	0.4	1.00		
1,1,0,1													
155	ok s=2,m=12	3.35e-03	7.93e-03	9.72e-03	1	0.8	0.5	67.0	0.68788e-03	0.4	1.00		
1,1,1,1													
156	ok s=2,m=12	2.45e-03	7.65e-03		1	0.8	0.5	67.0	0.68281e-03	0.4	1.00		
1,1,0,1													
157	ok s=2,m=12	3.35e-03	7.93e-03	9.72e-03	1	0.8	0.5	67.0	0.68788e-03	0.4	1.00		
1,1,1,1													
158	ok s=2,m=12	2.45e-03	7.65e-03		1	0.8	0.5	67.0	0.68281e-03	0.4	1.00		
1,1,0,1													
159	ok s=2,m=12	3.35e-03	7.93e-03	9.72e-03	1	0.8	0.5	67.0	0.68788e-03	0.4	1.00		
1,1,1,1													
160	ok s=2,m=12	2.45e-03	7.65e-03		1	0.8	0.5	67.0	0.68281e-03	0.4	1.00		
1,1,0,1													
161	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
162	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
163	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
164	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
165	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
166	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
167	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
168	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
169	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
170	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
171	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
172	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
173	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
174	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
175	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
176	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
177	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
178	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
179	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
180	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
181	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
182	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
183	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
184	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
185	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
186	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00	
1,1,1,1													
187	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
188	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
189	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	
1,1,1,1													
190	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00	

1,1,1,1												
191	ok s=3,m=12	0.02	0.01	0.02	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00
1,1,1,1												
192	ok s=3,m=12	0.02	0.01	0.01	1	0.4	0.2	32.8	0.91	0.01	0.2	1.00
1,1,1,1												
193	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												
194	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												
195	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												
196	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												
197	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												
198	ok s=3,m=12	0.03	0.02	0.02	1	0.4	0.3	37.0	0.88	0.02	0.3	1.00
1,1,1,1												

Trave	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
	0.03	0.02	0.02	0.87	0.52	75.12	0.62	0.02	0.48	1.00

Trave	v.Omeg	f.Om. N	Stato	V N/M	V stab	Rif. cmb	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V
Ed,M								daN cm		daN		daN	
daN													
85							0.0	0.0	0.0	0.0	0.0	0.0	0.0
86							0.0	0.0	0.0	0.0	0.0	0.0	0.0
87							0.0	0.0	0.0	0.0	0.0	0.0	0.0
88							0.0	0.0	0.0	0.0	0.0	0.0	0.0
89							0.0	0.0	0.0	0.0	0.0	0.0	0.0
90							0.0	0.0	0.0	0.0	0.0	0.0	0.0
91							0.0	0.0	0.0	0.0	0.0	0.0	0.0
92							0.0	0.0	0.0	0.0	0.0	0.0	0.0
93							0.0	0.0	0.0	0.0	0.0	0.0	0.0
94							0.0	0.0	0.0	0.0	0.0	0.0	0.0
95							0.0	0.0	0.0	0.0	0.0	0.0	0.0
96							0.0	0.0	0.0	0.0	0.0	0.0	0.0
97							0.0	0.0	0.0	0.0	0.0	0.0	0.0
98							0.0	0.0	0.0	0.0	0.0	0.0	0.0
99							0.0	0.0	0.0	0.0	0.0	0.0	0.0
100							0.0	0.0	0.0	0.0	0.0	0.0	0.0
101							0.0	0.0	0.0	0.0	0.0	0.0	0.0
102							0.0	0.0	0.0	0.0	0.0	0.0	0.0
103							0.0	0.0	0.0	0.0	0.0	0.0	0.0
104							0.0	0.0	0.0	0.0	0.0	0.0	0.0
105							0.0	0.0	0.0	0.0	0.0	0.0	0.0
106							0.0	0.0	0.0	0.0	0.0	0.0	0.0
107							0.0	0.0	0.0	0.0	0.0	0.0	0.0
108							0.0	0.0	0.0	0.0	0.0	0.0	0.0
109							0.0	0.0	0.0	0.0	0.0	0.0	0.0
110							0.0	0.0	0.0	0.0	0.0	0.0	0.0
111							0.0	0.0	0.0	0.0	0.0	0.0	0.0
112							0.0	0.0	0.0	0.0	0.0	0.0	0.0
113							0.0	0.0	0.0	0.0	0.0	0.0	0.0
114							0.0	0.0	0.0	0.0	0.0	0.0	0.0
115							0.0	0.0	0.0	0.0	0.0	0.0	0.0
116							0.0	0.0	0.0	0.0	0.0	0.0	0.0
117							0.0	0.0	0.0	0.0	0.0	0.0	0.0
118							0.0	0.0	0.0	0.0	0.0	0.0	0.0
119							0.0	0.0	0.0	0.0	0.0	0.0	0.0
120							0.0	0.0	0.0	0.0	0.0	0.0	0.0
121							0.0	0.0	0.0	0.0	0.0	0.0	0.0
122							0.0	0.0	0.0	0.0	0.0	0.0	0.0
123							0.0	0.0	0.0	0.0	0.0	0.0	0.0
124							0.0	0.0	0.0	0.0	0.0	0.0	0.0
125							0.0	0.0	0.0	0.0	0.0	0.0	0.0
126							0.0	0.0	0.0	0.0	0.0	0.0	0.0
127							0.0	0.0	0.0	0.0	0.0	0.0	0.0
128							0.0	0.0	0.0	0.0	0.0	0.0	0.0
129							0.0	0.0	0.0	0.0	0.0	0.0	0.0
130							0.0	0.0	0.0	0.0	0.0	0.0	0.0
131							0.0	0.0	0.0	0.0	0.0	0.0	0.0
132							0.0	0.0	0.0	0.0	0.0	0.0	0.0
133							0.0	0.0	0.0	0.0	0.0	0.0	0.0

134	0.0	0.0	0.0	0.0	0.0	0.0 0.0
135	0.0	0.0	0.0	0.0	0.0	0.0 0.0
136	0.0	0.0	0.0	0.0	0.0	0.0 0.0
137	0.0	0.0	0.0	0.0	0.0	0.0 0.0
138	0.0	0.0	0.0	0.0	0.0	0.0 0.0
139	0.0	0.0	0.0	0.0	0.0	0.0 0.0
140	0.0	0.0	0.0	0.0	0.0	0.0 0.0
141	0.0	0.0	0.0	0.0	0.0	0.0 0.0
142	0.0	0.0	0.0	0.0	0.0	0.0 0.0
143	0.0	0.0	0.0	0.0	0.0	0.0 0.0
144	0.0	0.0	0.0	0.0	0.0	0.0 0.0
145	0.0	0.0	0.0	0.0	0.0	0.0 0.0
146	0.0	0.0	0.0	0.0	0.0	0.0 0.0
147	0.0	0.0	0.0	0.0	0.0	0.0 0.0
148	0.0	0.0	0.0	0.0	0.0	0.0 0.0
149	0.0	0.0	0.0	0.0	0.0	0.0 0.0
150	0.0	0.0	0.0	0.0	0.0	0.0 0.0
151	0.0	0.0	0.0	0.0	0.0	0.0 0.0
152	0.0	0.0	0.0	0.0	0.0	0.0 0.0
153	0.0	0.0	0.0	0.0	0.0	0.0 0.0
154	0.0	0.0	0.0	0.0	0.0	0.0 0.0
155	0.0	0.0	0.0	0.0	0.0	0.0 0.0
156	0.0	0.0	0.0	0.0	0.0	0.0 0.0
157	0.0	0.0	0.0	0.0	0.0	0.0 0.0
158	0.0	0.0	0.0	0.0	0.0	0.0 0.0
159	0.0	0.0	0.0	0.0	0.0	0.0 0.0
160	0.0	0.0	0.0	0.0	0.0	0.0 0.0
161	0.0	0.0	0.0	0.0	0.0	0.0 0.0
162	0.0	0.0	0.0	0.0	0.0	0.0 0.0
163	0.0	0.0	0.0	0.0	0.0	0.0 0.0
164	0.0	0.0	0.0	0.0	0.0	0.0 0.0
165	0.0	0.0	0.0	0.0	0.0	0.0 0.0
166	0.0	0.0	0.0	0.0	0.0	0.0 0.0
167	0.0	0.0	0.0	0.0	0.0	0.0 0.0
168	0.0	0.0	0.0	0.0	0.0	0.0 0.0
169	0.0	0.0	0.0	0.0	0.0	0.0 0.0
170	0.0	0.0	0.0	0.0	0.0	0.0 0.0
171	0.0	0.0	0.0	0.0	0.0	0.0 0.0
172	0.0	0.0	0.0	0.0	0.0	0.0 0.0
173	0.0	0.0	0.0	0.0	0.0	0.0 0.0
174	0.0	0.0	0.0	0.0	0.0	0.0 0.0
175	0.0	0.0	0.0	0.0	0.0	0.0 0.0
176	0.0	0.0	0.0	0.0	0.0	0.0 0.0
177	0.0	0.0	0.0	0.0	0.0	0.0 0.0
178	0.0	0.0	0.0	0.0	0.0	0.0 0.0
179	0.0	0.0	0.0	0.0	0.0	0.0 0.0
180	0.0	0.0	0.0	0.0	0.0	0.0 0.0
181	0.0	0.0	0.0	0.0	0.0	0.0 0.0
182	0.0	0.0	0.0	0.0	0.0	0.0 0.0
183	0.0	0.0	0.0	0.0	0.0	0.0 0.0
184	0.0	0.0	0.0	0.0	0.0	0.0 0.0
185	0.0	0.0	0.0	0.0	0.0	0.0 0.0
186	0.0	0.0	0.0	0.0	0.0	0.0 0.0
187	0.0	0.0	0.0	0.0	0.0	0.0 0.0
188	0.0	0.0	0.0	0.0	0.0	0.0 0.0
189	0.0	0.0	0.0	0.0	0.0	0.0 0.0
190	0.0	0.0	0.0	0.0	0.0	0.0 0.0
191	0.0	0.0	0.0	0.0	0.0	0.0 0.0
192	0.0	0.0	0.0	0.0	0.0	0.0 0.0
193	0.0	0.0	0.0	0.0	0.0	0.0 0.0
194	0.0	0.0	0.0	0.0	0.0	0.0 0.0
195	0.0	0.0	0.0	0.0	0.0	0.0 0.0
196	0.0	0.0	0.0	0.0	0.0	0.0 0.0
197	0.0	0.0	0.0	0.0	0.0	0.0 0.0
198	0.0	0.0	0.0	0.0	0.0	0.0 0.0

Trave	v.Omeg	V N/M	V stab	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V
Ed,M					0.0	0.0	0.0	0.0	0.0 0.0	0.0 0.0

Pilas.	Stato	Note	V V/T	V N/M	V stab	Cl.LamS	22LamS	33	Snell.	Chi mn	V flstLamS	LT	Chi LT	Rif.
cmb														
1	ok	s=1,m=123.81e-03		0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00	

19,42,1,1												
2	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1												
3	ok s=1,m=12		0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00
1,1,1,1												
4	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,47,1,1												
5	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1												
6	ok s=1,m=12		0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00
1,1,1,1												
7	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,42,1,1												
8	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1												
9	ok s=1,m=12		0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00
1,1,1,1												
10	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,47,1,1												
11	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1												
12	ok s=1,m=12		0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00
1,1,1,1												
13	ok s=1,m=12	3.17e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	8.21e-03	3.56e-02	1.00
19,1,1,19												
14	ok s=1,m=12	7.40e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.22e-03	3.29e-02	1.00
19,1,1,19												
15	ok s=1,m=12	7.81e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00	
1,1,1,1												
16	ok s=1,m=12	3.06e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	7.95e-03	3.56e-02	1.00
18,1,1,18												
17	ok s=1,m=12	7.19e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.00e-03	3.28e-02	1.00
18,1,1,18												
18	ok s=1,m=12	7.81e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00	
1,1,1,1												
19	ok s=1,m=12	3.06e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	7.95e-03	3.56e-02	1.00
27,1,1,27												
20	ok s=1,m=12	7.19e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.00e-03	3.28e-02	1.00
27,1,1,27												
21	ok s=1,m=12	7.81e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00	
1,1,1,1												
22	ok s=1,m=12	3.17e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	8.21e-03	3.56e-02	1.00
26,1,1,26												
23	ok s=1,m=12	7.40e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.22e-03	3.29e-02	1.00
26,1,1,26												
24	ok s=1,m=12	7.81e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00	
1,1,1,1												
25	ok s=1,m=12	1.72e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.31e-03	3.55e-02	1.00
19,1,1,19												
26	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.86e-03	3.62e-02	1.00
1,1,1,19												
27	ok s=1,m=12	8.32e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00	
1,1,1,1												
28	ok s=1,m=12	1.61e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.04e-03	3.55e-02	1.00
18,1,1,18												
29	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.64e-03	3.63e-02	1.00
1,1,1,18												
30	ok s=1,m=12	8.32e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00	
1,1,1,1												
31	ok s=1,m=12	1.61e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.05e-03	3.55e-02	1.00
27,1,1,27												
32	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.64e-03	3.63e-02	1.00
1,1,1,27												
33	ok s=1,m=12	8.32e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00	
1,1,1,1												
34	ok s=1,m=12	1.72e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.31e-03	3.55e-02	1.00
26,1,1,26												
35	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.86e-03	3.62e-02	1.00
1,1,1,26												
36	ok s=1,m=12	8.32e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00	
1,1,1,1												
37	ok s=1,m=12	1.12e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	2.69e-03	3.53e-02	1.00
22,1,1,22												
38	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	2.30e-03	3.46e-02	1.00
1,1,1,22												
39	ok s=1,m=12	7.80e-03	0.03	0.05	18.19e-02	4.86e-02	7.1	1.00	3.81e-04	1.29e-02	1.00	

1,1,1,19												
40	ok s=1,m=12	1.01e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	2.43e-03	3.53e-02	1.00
23,1,1,23												
41	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	2.08e-03	3.46e-02	1.00
1,1,1,23												
42	ok s=1,m=12	7.80e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	3.85e-04	1.28e-02	1.00
1,1,1,18												
43	ok s=1,m=12	1.01e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	2.43e-03	3.53e-02	1.00
30,1,1,30												
44	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	2.09e-03	3.46e-02	1.00
1,1,1,30												
45	ok s=1,m=12	7.80e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	3.87e-04	1.28e-02	1.00
1,1,1,30												
46	ok s=1,m=12	1.12e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	2.69e-03	3.53e-02	1.00
31,1,1,31												
47	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	2.30e-03	3.46e-02	1.00
1,1,1,31												
48	ok s=1,m=12	7.80e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	3.82e-04	1.29e-02	1.00
1,1,1,31												
49	ok s=1,m=12	1.72e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.31e-03	3.55e-02	1.00
21,1,1,21												
50	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.86e-03	3.62e-02	1.00
1,1,1,21												
51	ok s=1,m=12	8.32e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00
1,1,1,1												
52	ok s=1,m=12	1.61e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.04e-03	3.55e-02	1.00
20,1,1,20												
53	ok s=1,m=12	3.84e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.64e-03	3.63e-02	1.00
1,1,1,20												
54	ok s=1,m=12	8.32e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00
1,1,1,1												
55	ok s=1,m=12	1.61e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.05e-03	3.55e-02	1.00
29,1,1,29												
56	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.64e-03	3.63e-02	1.00
1,1,1,29												
57	ok s=1,m=12	8.32e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00
1,1,1,1												
58	ok s=1,m=12	1.72e-03	0.02	0.02	1	0.2	0.1	15.4	1.00	4.31e-03	3.55e-02	1.00
28,1,1,28												
59	ok s=1,m=12	3.85e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	3.86e-03	3.62e-02	1.00
1,1,1,28												
60	ok s=1,m=12	8.32e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	2.49e-03	1.16e-02	1.00
1,1,1,1												
61	ok s=1,m=12	3.17e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	8.21e-03	3.56e-02	1.00
21,1,1,21												
62	ok s=1,m=12	7.40e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.22e-03	3.29e-02	1.00
21,1,1,21												
63	ok s=1,m=12	7.81e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00
1,1,1,1												
64	ok s=1,m=12	3.06e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	7.95e-03	3.56e-02	1.00
20,1,1,20												
65	ok s=1,m=12	7.19e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.00e-03	3.28e-02	1.00
20,1,1,20												
66	ok s=1,m=12	7.81e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00
1,1,1,1												
67	ok s=1,m=12	3.06e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	7.95e-03	3.56e-02	1.00
29,1,1,29												
68	ok s=1,m=12	7.19e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.00e-03	3.28e-02	1.00
29,1,1,29												
69	ok s=1,m=12	7.81e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00
1,1,1,1												
70	ok s=1,m=12	3.17e-03	0.02	0.03	1	0.2	0.1	15.4	1.00	8.21e-03	3.56e-02	1.00
28,1,1,28												
71	ok s=1,m=12	7.40e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	7.22e-03	3.29e-02	1.00
28,1,1,28												
72	ok s=1,m=12	7.81e-03	0.03	0.05	1	8.19e-02	4.86e-02	7.1	1.00	1.32e-03	1.81e-02	1.00
1,1,1,1												
73	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
21,32,1,1												
74	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1												
75	ok s=1,m=12	0.02	0.05	0.05	1	8.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00
1,1,1,1												
76	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,37,1,1												
77	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00

1,1,1,1 78	ok s=1,m=12	0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00	
1,1,1,1 79	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,32,1,1 80	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1 81	ok s=1,m=12	0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00	
1,1,1,1 82	ok s=1,m=12	3.81e-03	0.01	0.02	1	0.2	0.1	15.4	1.00	0.01	3.57e-02	1.00
1,37,1,1 83	ok s=1,m=12	3.88e-03	0.02	0.03	1	0.2	0.1	18.2	1.00	8.97e-03	4.67e-02	1.00
1,1,1,1 84	ok s=1,m=12	0.02	0.05	0.05	18.19e-02	4.86e-02	7.1	1.00	0.02	1.58e-02	1.00	

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
	0.02	0.05	0.05	0.21	0.12	18.17	1.00	0.02	0.05	1.00

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmbV[7.5.10]	V Ed	Xi	Xf	Yi
sovr.	Yf								daN			
1	0.0	0.0	ok	0.0	0.0			0,0,0,0				
2	0.0	0.0	ok	0.0	0.0			0,0,0,0				
3	0.0	0.0	ok	0.0	0.0			0,0,0,0				
4	0.0	0.0	ok	0.0	0.0			0,0,0,0				
5	0.0	0.0	ok	0.0	0.0			0,0,0,0				
6	0.0	0.0	ok	0.0	0.0			0,0,0,0				
7	0.0	0.0	ok	0.0	0.0			0,0,0,0				
8	0.0	0.0	ok	0.0	0.0			0,0,0,0				
9	0.0	0.0	ok	0.0	0.0			0,0,0,0				
10	0.0	0.0	ok	0.0	0.0			0,0,0,0				
11	0.0	0.0	ok	0.0	0.0			0,0,0,0				
12	0.0	0.0	ok	0.0	0.0			0,0,0,0				
13	0.0	0.0	ok	0.0	0.0			0,0,0,0				
14	0.0	0.0	ok	0.0	0.0			0,0,0,0				
15	0.0	0.0	ok	0.0	0.0			0,0,0,0				
16	0.0	0.0	ok	0.0	0.0			0,0,0,0				
17	0.0	0.0	ok	0.0	0.0			0,0,0,0				
18	0.0	0.0	ok	0.0	0.0			0,0,0,0				
19	0.0	0.0	ok	0.0	0.0			0,0,0,0				
20	0.0	0.0	ok	0.0	0.0			0,0,0,0				
21	0.0	0.0	ok	0.0	0.0			0,0,0,0				
22	0.0	0.0	ok	0.0	0.0			0,0,0,0				
23	0.0	0.0	ok	0.0	0.0			0,0,0,0				
24	0.0	0.0	ok	0.0	0.0			0,0,0,0				
25	0.0	0.0	ok	0.0	0.0			0,0,0,0				
26	0.0	0.0	ok	0.0	0.0			0,0,0,0				
27	0.0	0.0	ok	0.0	0.0			0,0,0,0				
28	0.0	0.0	ok	0.0	0.0			0,0,0,0				
29	0.0	0.0	ok	0.0	0.0			0,0,0,0				
30	0.0	0.0	ok	0.0	0.0			0,0,0,0				
31	0.0	0.0	ok	0.0	0.0			0,0,0,0				
32	0.0	0.0	ok	0.0	0.0			0,0,0,0				
33	0.0	0.0	ok	0.0	0.0			0,0,0,0				
34	0.0	0.0	ok	0.0	0.0			0,0,0,0				
35	0.0	0.0	ok	0.0	0.0			0,0,0,0				
36	0.0	0.0	ok	0.0	0.0			0,0,0,0				
37	0.0	0.0	ok	0.0	0.0			0,0,0,0				
38	0.0	0.0	ok	0.0	0.0			0,0,0,0				
39	0.0	0.0	ok	0.0	0.0			0,0,0,0				
40	0.0	0.0	ok	0.0	0.0			0,0,0,0				
41	0.0	0.0	ok	0.0	0.0			0,0,0,0				
42	0.0	0.0	ok	0.0	0.0			0,0,0,0				
43	0.0	0.0	ok	0.0	0.0			0,0,0,0				
44	0.0	0.0	ok	0.0	0.0			0,0,0,0				
45	0.0	0.0	ok	0.0	0.0			0,0,0,0				
46	0.0	0.0	ok	0.0	0.0			0,0,0,0				
47	0.0	0.0	ok	0.0	0.0			0,0,0,0				
48	0.0	0.0	ok	0.0	0.0			0,0,0,0				
49	0.0	0.0	ok	0.0	0.0			0,0,0,0				
50	0.0	0.0	ok	0.0	0.0			0,0,0,0				
51	0.0	0.0	ok	0.0	0.0			0,0,0,0				
52	0.0	0.0	ok	0.0	0.0			0,0,0,0				

53	0.0	0.0	ok	0.0	0.0	0,0,0,0
54	0.0	0.0	ok	0.0	0.0	0,0,0,0
55	0.0	0.0	ok	0.0	0.0	0,0,0,0
56	0.0	0.0	ok	0.0	0.0	0,0,0,0
57	0.0	0.0	ok	0.0	0.0	0,0,0,0
58	0.0	0.0	ok	0.0	0.0	0,0,0,0
59	0.0	0.0	ok	0.0	0.0	0,0,0,0
60	0.0	0.0	ok	0.0	0.0	0,0,0,0
61	0.0	0.0	ok	0.0	0.0	0,0,0,0
62	0.0	0.0	ok	0.0	0.0	0,0,0,0
63	0.0	0.0	ok	0.0	0.0	0,0,0,0
64	0.0	0.0	ok	0.0	0.0	0,0,0,0
65	0.0	0.0	ok	0.0	0.0	0,0,0,0
66	0.0	0.0	ok	0.0	0.0	0,0,0,0
67	0.0	0.0	ok	0.0	0.0	0,0,0,0
68	0.0	0.0	ok	0.0	0.0	0,0,0,0
69	0.0	0.0	ok	0.0	0.0	0,0,0,0
70	0.0	0.0	ok	0.0	0.0	0,0,0,0
71	0.0	0.0	ok	0.0	0.0	0,0,0,0
72	0.0	0.0	ok	0.0	0.0	0,0,0,0
73	0.0	0.0	ok	0.0	0.0	0,0,0,0
74	0.0	0.0	ok	0.0	0.0	0,0,0,0
75	0.0	0.0	ok	0.0	0.0	0,0,0,0
76	0.0	0.0	ok	0.0	0.0	0,0,0,0
77	0.0	0.0	ok	0.0	0.0	0,0,0,0
78	0.0	0.0	ok	0.0	0.0	0,0,0,0
79	0.0	0.0	ok	0.0	0.0	0,0,0,0
80	0.0	0.0	ok	0.0	0.0	0,0,0,0
81	0.0	0.0	ok	0.0	0.0	0,0,0,0
82	0.0	0.0	ok	0.0	0.0	0,0,0,0
83	0.0	0.0	ok	0.0	0.0	0,0,0,0
84	0.0	0.0	ok	0.0	0.0	0,0,0,0

Pilas.
sovr. Yf

V V/T V N/M V stab V flst
0.0 0.0

V[7.5.10] V Ed sovr. Xi sovr. Xf sovr. Yi

STATI LIMITE D' ESERCIZIO ACCIAIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

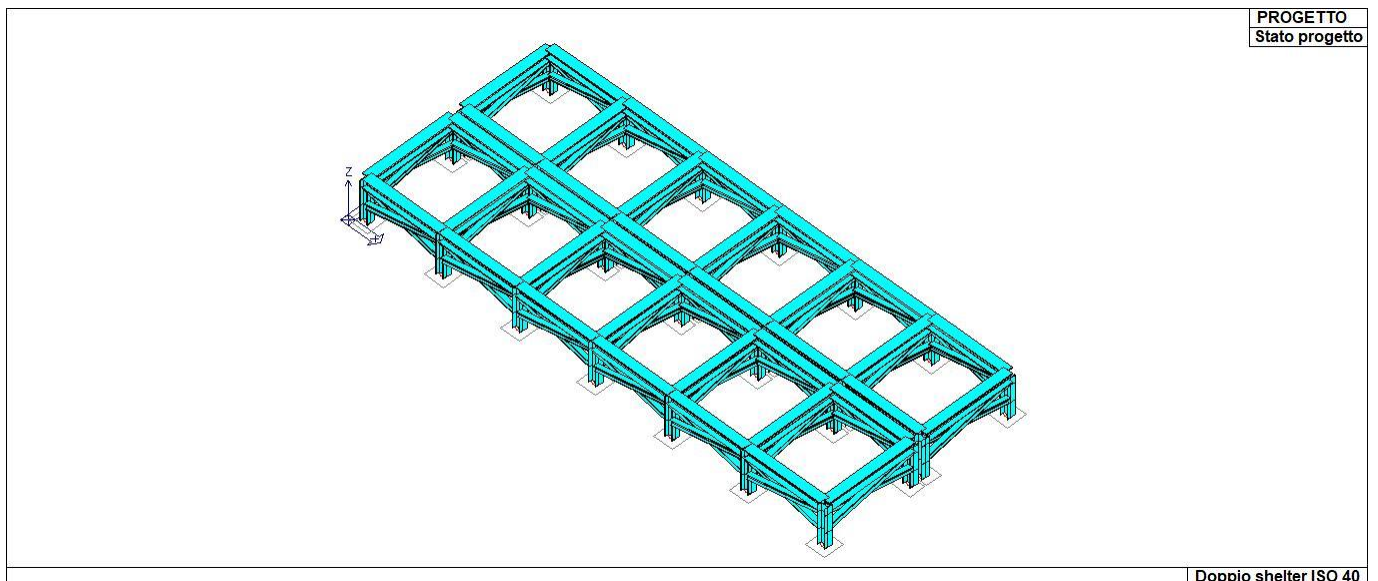
In particolare vengono riportati, per gli elementi trave, i risultati relativi alle combinazioni considerate (rare o caratteristiche).

I valori di interesse sono i seguenti:

f*1000/L	massima deformazione normalizzata in combinazioni rare
-----------------	--

Si precisa che i valori di massima deformazione per travi sono riferiti ai due piani locali (1-2 con momenti flettenti 3-3 e 1-3 con momenti flettenti 2-2). Il valore riportato (massimo) è espresso in 1000/L per rendere agevole il confronto di più valori e in particolare di più range di valori (ad esempio 2 rappresenta L/500, 4 L/250 e così via).

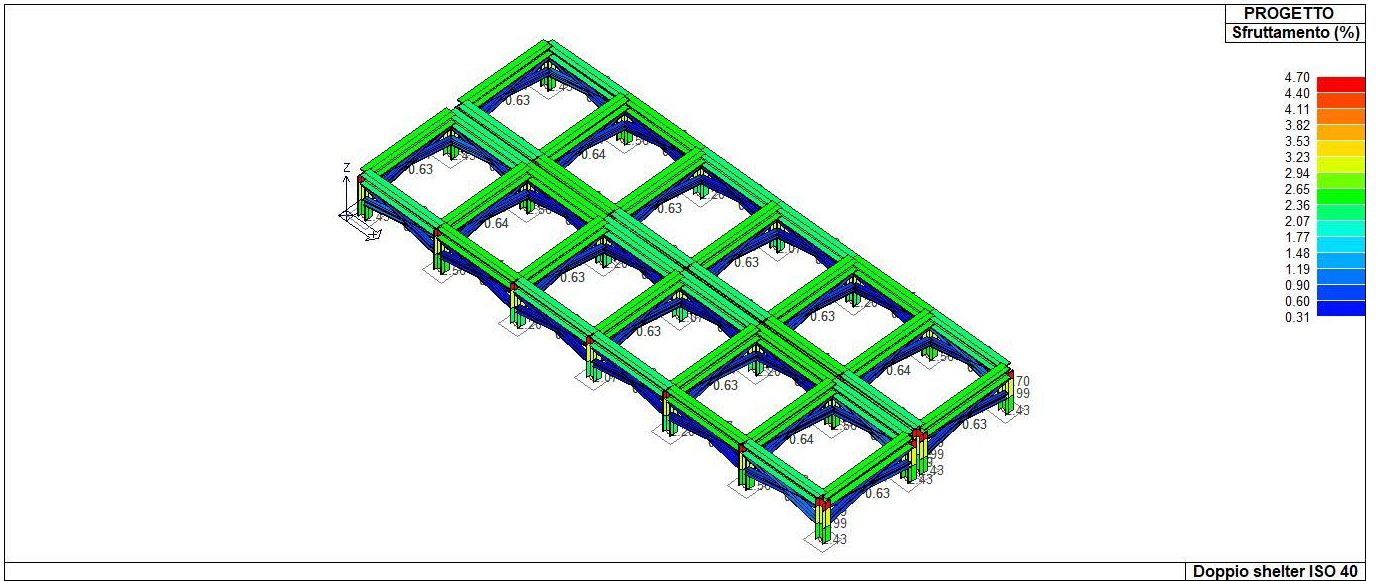
Trave f*1000/L f*1000/L	Trave f*1000/L	Trave f*1000/L	Trave f*1000/L	Trave f*1000/L	Trave f*1000/L	Trave f*1000/L	Trave
85 1.20e-02	86 1.20e-02	87 1.20e-02	88 1.20e-02	89 8.40e-03	90 8.40e-03		91
8.39e-03							
92 8.39e-03	93 6.70e-03	94 6.70e-03	95 6.70e-03	96 6.70e-03	97 6.70e-03		98
6.70e-03							
99 6.70e-03	100 6.70e-03	101 6.70e-03	102 6.70e-03	103 6.70e-03	104 6.70e-03		105
8.40e-03							
106 8.40e-03	107 8.39e-03	108 8.39e-03	109 1.20e-02	110 1.20e-02	111 1.20e-02		112
1.20e-02							
113 6.53e-02	114 7.37e-02	115 6.53e-02	116 7.37e-02	117 6.53e-02	118 7.37e-02		119
6.53e-02							
120 7.37e-02	121 2.00e-02	122 2.94e-02	123 2.00e-02	124 2.94e-02	125 2.00e-02		126
2.94e-02							
127 2.00e-02	128 2.94e-02	129 5.22e-03	130 9.11e-03	131 5.22e-03	132 9.11e-03		133
5.22e-03							
134 9.11e-03	135 5.22e-03	136 9.11e-03	137 9.11e-03	138 5.22e-03	139 9.11e-03		140
5.22e-03							
141 9.11e-03	142 5.22e-03	143 9.11e-03	144 5.22e-03	145 2.94e-02	146 2.00e-02		147
2.94e-02							
148 2.00e-02	149 2.94e-02	150 2.00e-02	151 2.94e-02	152 2.00e-02	153 7.37e-02		154
6.53e-02							
155 7.37e-02	156 6.53e-02	157 7.37e-02	158 6.53e-02	159 7.37e-02	160 6.53e-02		161
7.15e-02							
162 2.46e-02	163 9.32e-03	164 9.32e-03	165 2.46e-02	166 7.15e-02	167 3.21e-02		168
7.15e-02							
169 2.46e-02	170 9.32e-03	171 9.32e-03	172 2.46e-02	173 7.15e-02	174 3.21e-02		175
3.22e-02							
176 3.22e-02	177 3.22e-02	178 3.22e-02	179 3.22e-02	180 7.15e-02	181 2.46e-02		182
9.32e-03							
183 9.32e-03	184 2.46e-02	185 7.15e-02	186 3.21e-02	187 7.15e-02	188 2.46e-02		189
9.32e-03							
190 9.32e-03	191 2.46e-02	192 7.15e-02	193 3.21e-02	194 3.22e-02	195 3.22e-02		196
3.22e-02							
197 3.22e-02	198 3.22e-02						



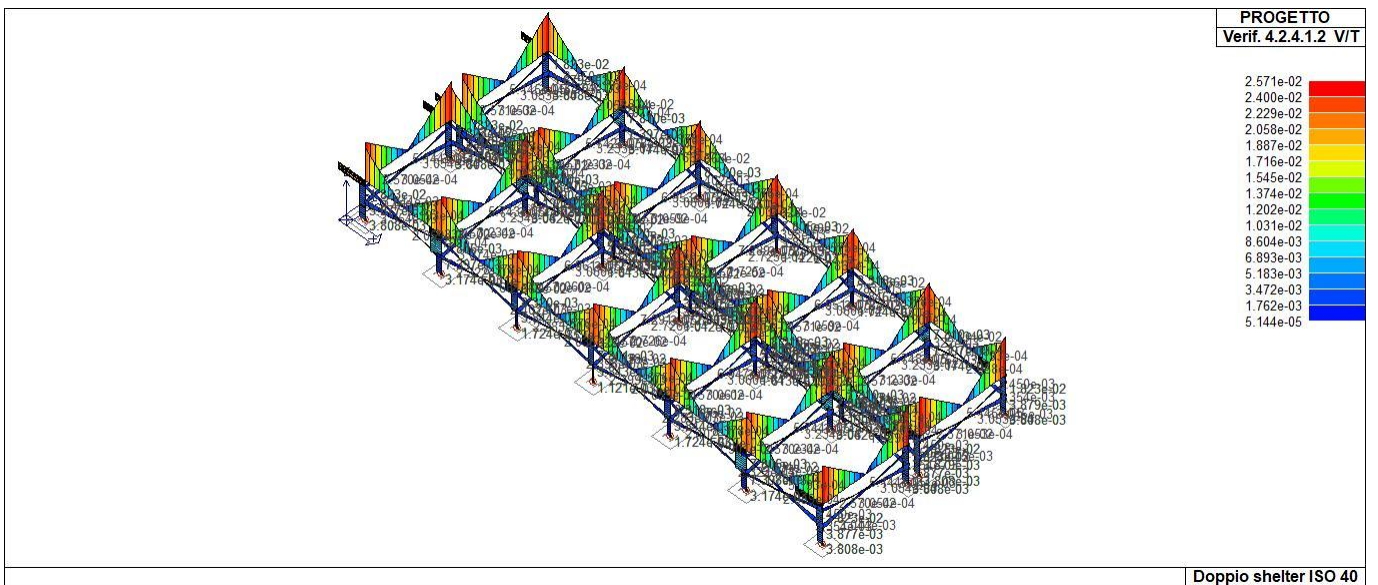
PROGETTO
Stato progetto

Doppio shelter ISO 40

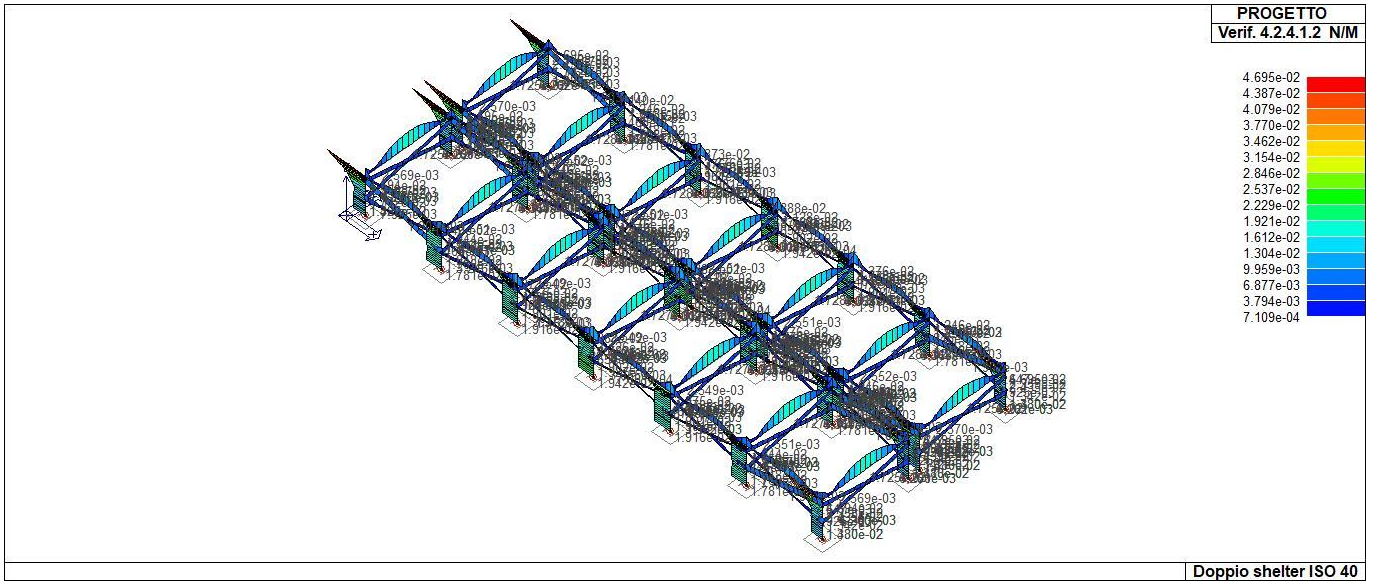
73_ST_01_Stato progetto



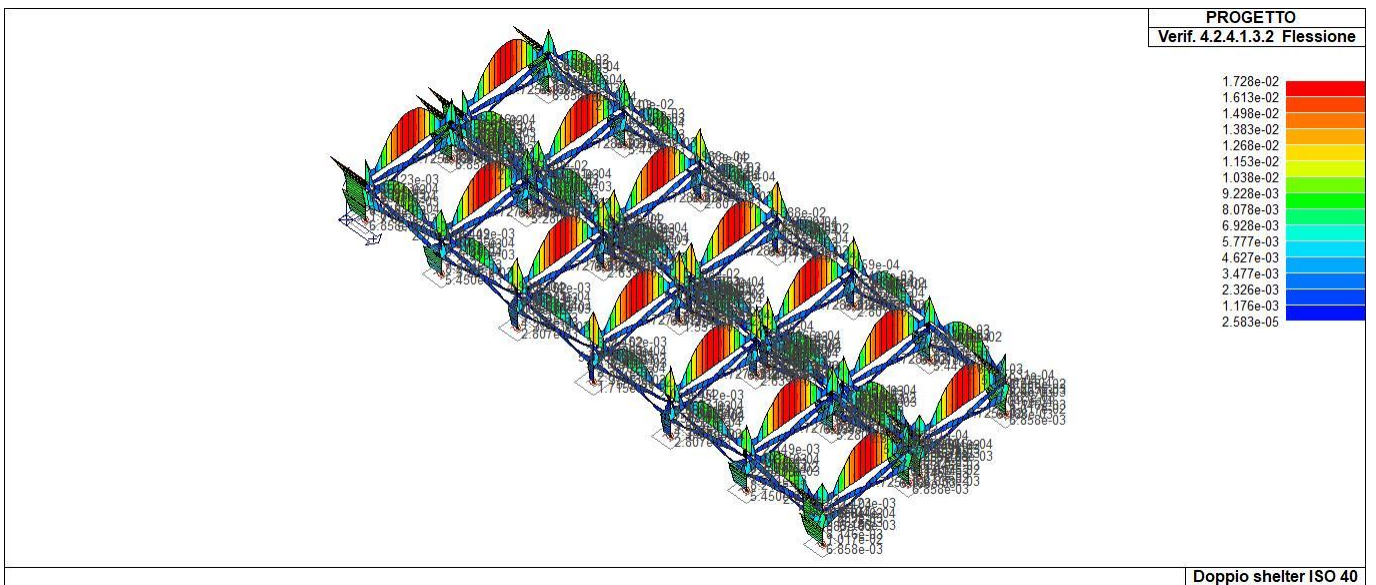
73_ST_02_Sfruttamento



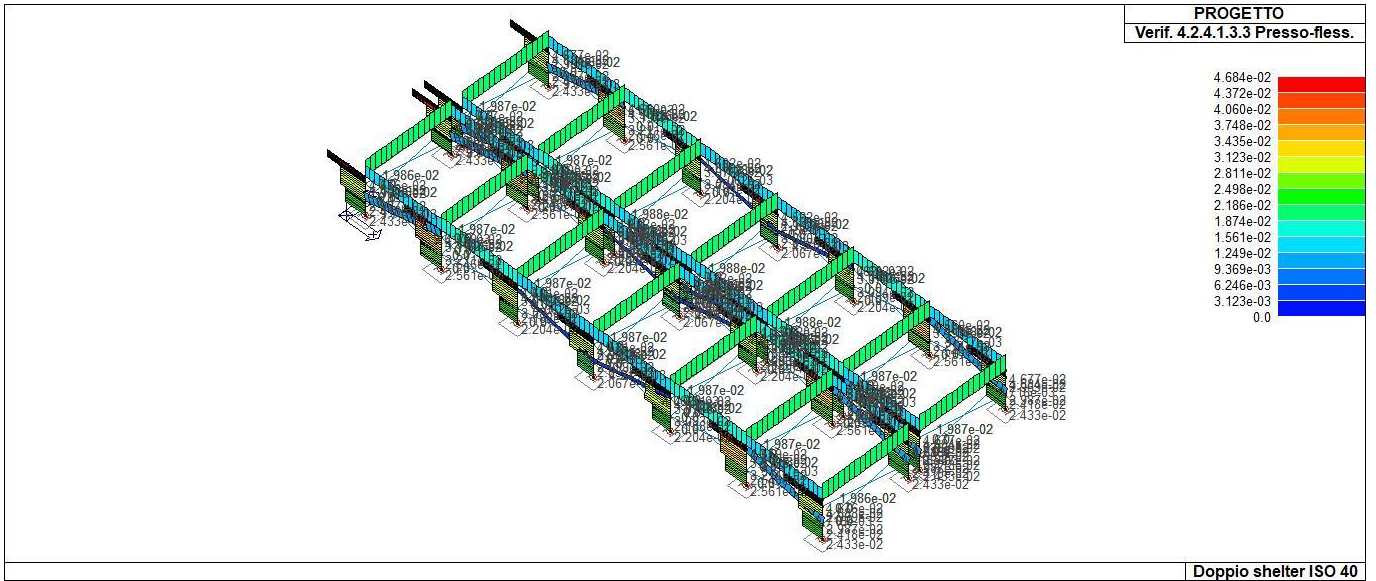
73_ST_15_Verif 42412 VT



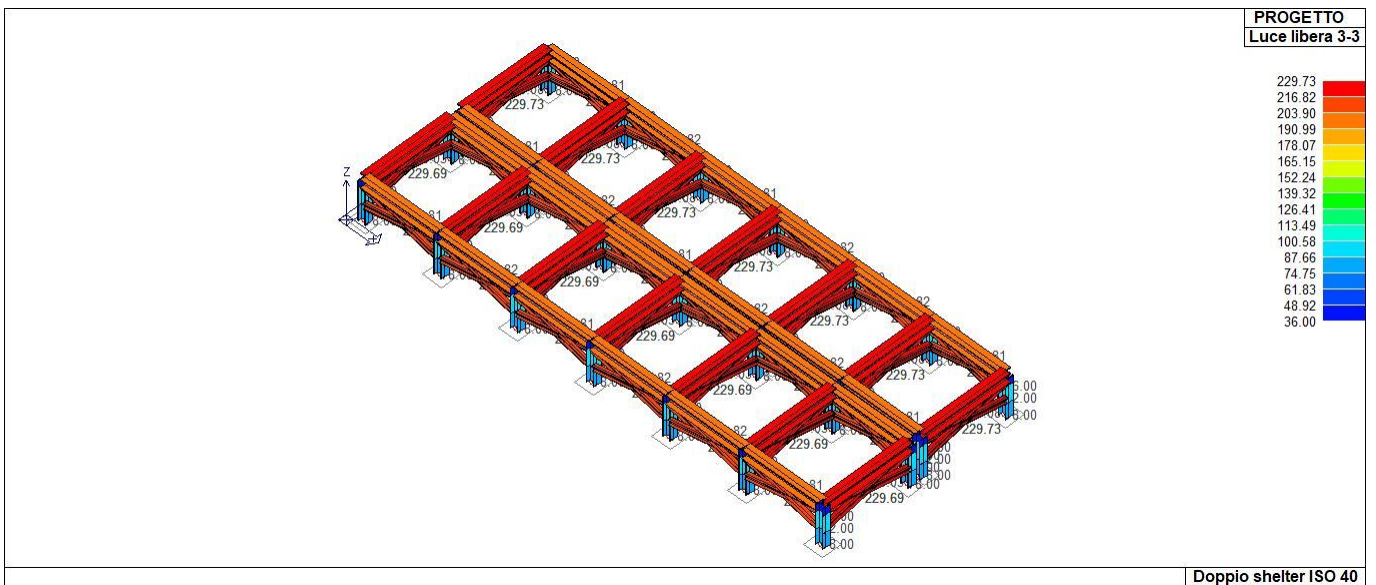
73_ST_16_Verif 42412 NM



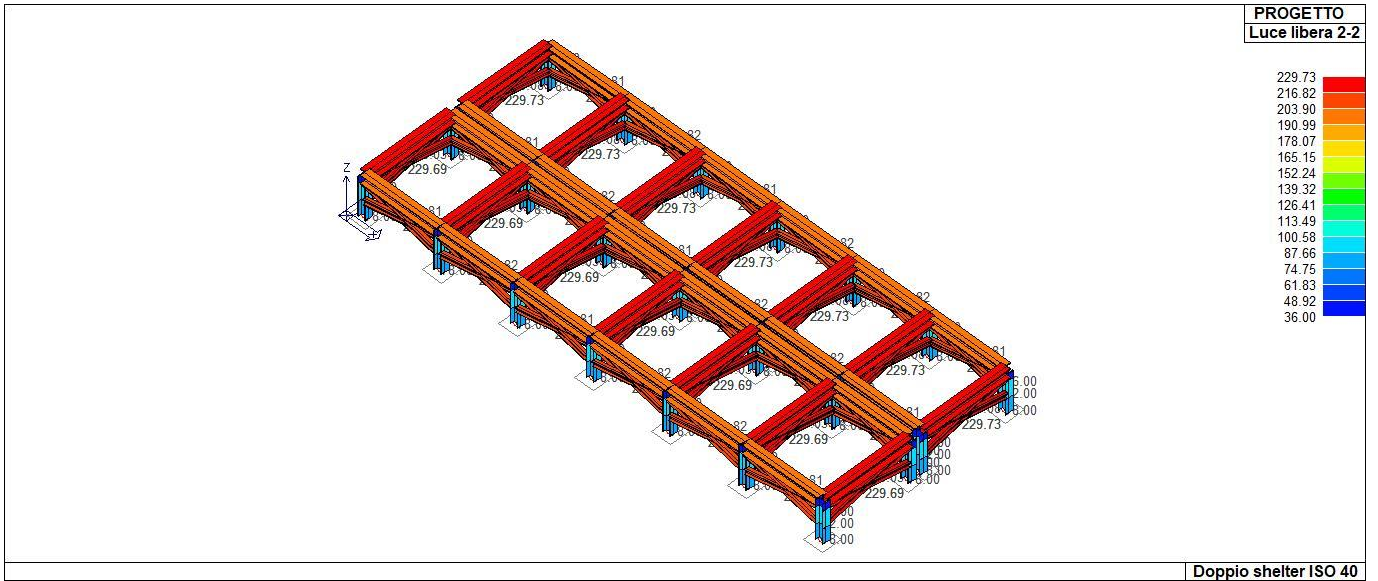
73_ST_17_Verif 424132 Flessione



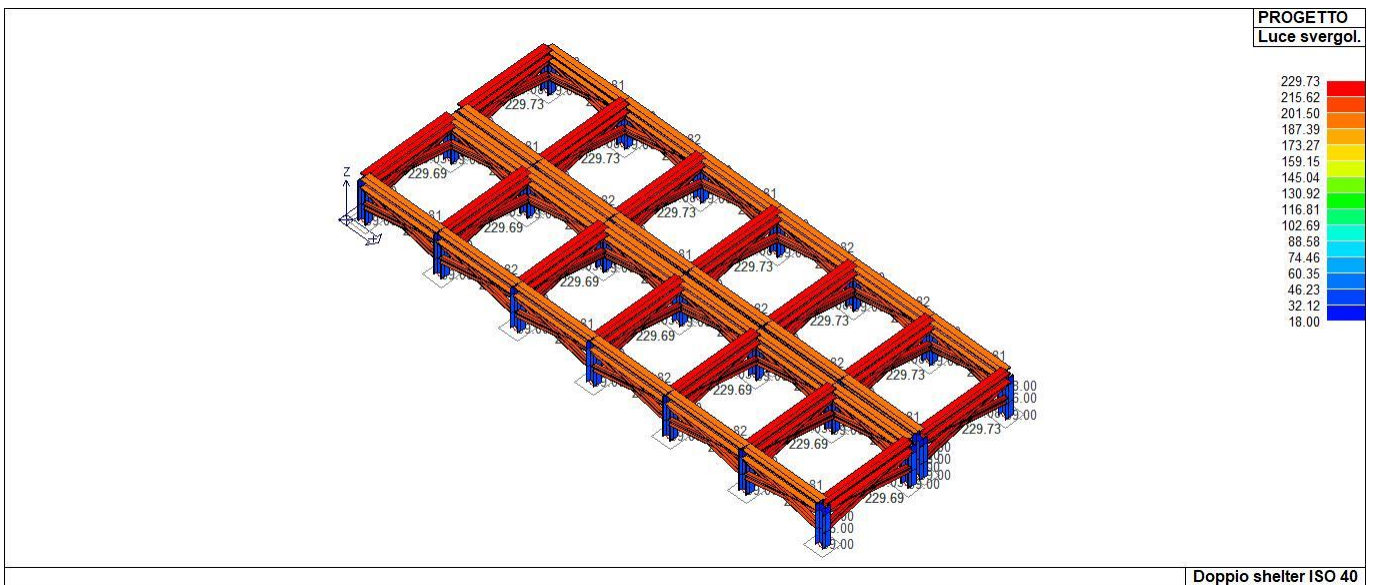
73_ST_18_Verif 424133 Presso-fless



73_ST_43_Luce libera 3-3



73_ST_44_Luce libera 2-2



73_ST_45_Luce svergol