UNIONE EUROPEA

REGIONE SICILIANA

COMUNE DI CALTANISSETTA

COMUNE DI SERRADIFALCO

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OPERA:

PROGETTO PER LA REALIZZAZIONE DI UN IMPIANTO AGRIVOLTAICO DELLA POTENZA DI 62,079 MW DI PICCO E 55,00 MW DI IMMISSIONE, DENOMINATO "CALTANISSETTA 1", UBICATO NELLE CONTRADE "RAMILIA" E "DELIELLA" DEL COMUNE DI CALTANISSETTA E DELLE RELATIVE OPERE DI CONNESSIONE ALLA RTN, DA REALIZZARSI NELLA CONTRADA "PERITO" DEL COMUNE DI SERRADIFALCO (CL)

OGGETTO:

PROGETTO DEFINITIVO
RELAZIONE DI CALCOLO PRELIMINARE STRUTTURE DI SOSTEGNO E FONDAZIONI IMPIANTO AGRIVOLTAICO

IL PROPONENTE:

IL PROGETTISTA:

APPROVAZIONE:

REV.	DATA	OGGETTO DELLA REVISIONE	ELABORAZIONE	VERIFICA	APPROVAZIONE
00	28-02-2023	PRIMA EMISSIONE PER RICHIESTA AU E PROCEDURA VIA		AP/AM	EB

SCALA:

FORMATO:

CODICE DOCUMENTO:

COMMESSA	FASE	TAVOLA	REV.
21-12/CL1	PD	RS06REL0043A0	00

CODICE ELABORATO: R.24.00

INDICE

1. INTRODUZIONE

1.1. PREMESSA

Il presente elaborato costituisce la relazione di calcolo strutturale comprensiva di una descrizione generale dell'opera ea dei criteri di analisi e verifica.

Le fasi di progetto, analisi, calcolo e verifica sono state svolte in accordo alle normative vigenti e secondo i dettami della scienza e della tecnica delle costruzioni. Per verificare gli elementi strutturali e le sezioni sollecitate dalle azioni di modello ed al fine di garantire la sicurezza della costruzione è stato utilizzato il metodo agli stati limite rispettando le prescrizioni previste dalle normative di riferimento elencate nel documento.

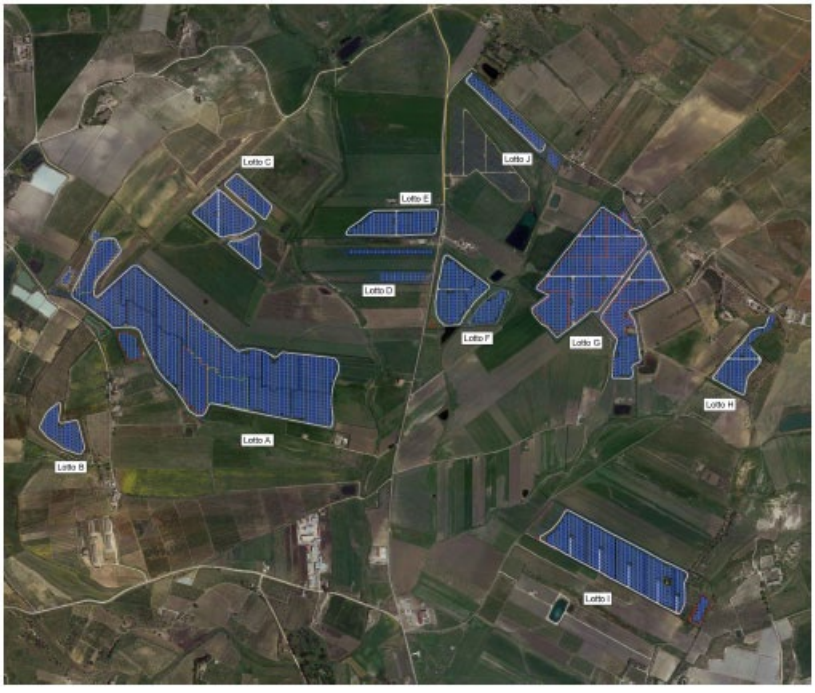
Nella qui presente relazione verranno menzionate le ipotesi di calcolo e le verifiche degli elementi strutturali caratterizzanti la struttura.

Gli esiti completi delle elaborazioni ottenute mediante codice di calcolo agli elementi finiti sono stati validati dal progettista strutturale mediante giudizio motivato di accettabilità dei risultati (nella qui presente relazione tale valutazione sarà valutata in itinere) in accordo al paragrafo §10.2.1 e saranno riportati nella loro interezza in Appendice A.

1.2. DESCRIZIONE GENERALE DELL'OPERA

L'opera in progetto riguarda la realizzazione di un nuovo impianto agrivoltaico, denominato "CALTANISSETTA 1", da realizzarsi nelle Contrade "Ramilia" e "Deliella" del comune di Caltanissetta (CL).

L'opera è ubicata circa 420 m di altitudine dal livello del mare. Si riporta di seguito un'immagine di inquadramento dall'altro per meglio identificare il lotto oggetto dell'intervento.



Si riportano di seguito le coordinate dei lotti in cui è stato suddiviso l'impianto oggetto di questa relazione:

Coordinate geografiche del sito – Lotto A	
N	37.379971°
E	13.917316°

Coordinate geografiche del sito – Lotto B	
N	37.376645°
E	13.912349°

Coordinate geografiche del sito – Lotto C	
N	37.384244°
E	13.920316°

Coordinate geografiche del sito – Lotto D	
N	37.382388°
E	13.927402°

Coordinate geografiche del sito – Lotto E	
N	37.384280°
E	13.927251°

Coordinate geografiche del sito – Lotto F	
N	37.930091°
E	13.930091°

Coordinate geografiche del sito – Lotto G	
N	37.382133°
E	13.937018°

Coordinate geografiche del sito – Lotto H	
N	37.379433°

E	13.942511°

Coordinate geografiche del sito – Lotto I	
N	37.372345°
E	13.937099°

Coordinate geografiche del sito – Lotto J	
N	37.388011°
E	13.932224°

Il progetto prevede un impianto fotovoltaico costituito da una struttura metallica a supporto di questo infissa nel terreno costituita da:

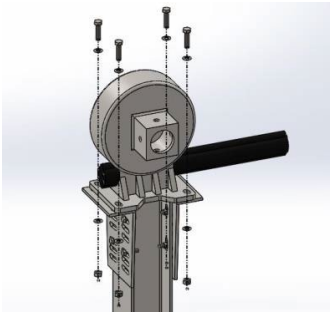
a) Colonne con sezione trasversale HEA 120;
b) Traversi costituiti da tubolari cavi quadrati 150x6.3 mm;
c) Longheroni costituiti da profilati ad omega 30x100x60x4.0 mm.

Tale struttura verrà denominata qui *Tracker*.

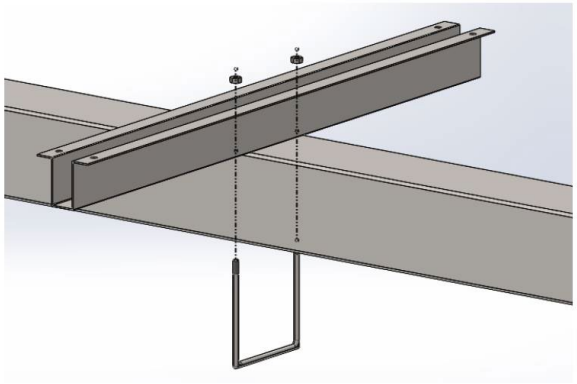
I montanti (colonne), infissi mediante battitura direttamente nel terreno, rappresentano sia gli elementi resistenti verticali della parte fuori terra che le fondazioni profonde. Essi presentano delle asolature per il successivo fissaggio delle teste palo. La presenza di asole consente una più accurata regolazione dell'allineamento della struttura e la compensazione di eventuali errori in fase di infissione.

Sul palo centrale sono imbullonate due piastre ad L per l'ancoraggio del gruppo motore (definite teste motore) e su queste viene fissato il gruppo motore stesso al quale vengono successivamente accoppiate le prime due travi centrali. Analogamente per ogni palo laterale sono presenti delle piastre a T, sulle quali sono fissati i cuscinetti per la rotazione della struttura. I cuscinetti sono realizzati in materiale plastico polimerico a matrice viscosa.

Le travi sono ancorate al motore e passanti all'interno dei cuscinetti. Attraverso opportuni giunti sono collegate in serie andando a formare un'unica struttura.



Sulle travi vengono installati i moduli fotovoltaici. Specifici longheroni vengono fissati alle travi e grazie alla presenza di fori di dimensioni compatibili con quelli presenti sui moduli, è possibile l'ancoraggio del generatore fotovoltaico all'inseguitore.



1.3. VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO

La vita nominale V_N dell'opera strutturale in oggetto è intesa come il numero di anni nel quale la struttura, purché soggetta alla manutenzione ordinaria, deve poter essere usata per lo scopo al quale è destinata.
L'effettiva durata della costruzione non è valutabile in sede progettuale, venendo a dipendere da eventi futuri fuori dal controllo del progettista. Di fatto, la grande maggioranza delle costruzioni ha avuto ed ha, anche attraverso successivi interventi di ripristino manutentivo, una durata effettiva molto maggiore della vita nominale quantificata nelle NTC.

La vita nominale dei diversi tipi di opere è quella indicata nella Tab. 2.4.I del D.M.18 di seguito riportata.

Tab. 2.4.I – *Valori minimi della Vita nominale V_N di progetto per i diversi tipi di costruzioni*

	TIPI DI COSTRUZIONI	Valori minimi di V_N (anni)
1	Costruzioni temporanee e provvisorie	10
2	Costruzioni con livelli di prestazioni ordinari	50
3	Costruzioni con livelli di prestazioni elevati	100

Con riferimento alla tabella precedente si evidenzia che, ai sensi e per gli effetti del Decreto del Capo Dipartimento della Protezione Civile n. 3685 del 21 ottobre 2003 il carattere strategico di un'opera o la sua rilevanza per le conseguenze di un eventuale collasso, sono definiti dalla classe d'uso.

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un eventuale collasso, le costruzioni sono suddivise in classi d'uso, come definite nel D.M. 2018.

Classe I: Costruzioni con presenza solo occasionale di persone, edifici agricoli.

Classe II: Costruzioni il cui uso preveda normali affollamenti, senza contenuti pericolosi per l'ambiente e senza funzioni pubbliche e sociali essenziali. Industrie con attività non pericolose per l'ambiente. Ponti, opere infrastrutturali, reti viarie non ricadenti in Classe d'uso III o in Classe d'uso IV, reti ferroviarie la cui interruzione non provochi situazioni di emergenza. Dighe il cui collasso non provochi conseguenze rilevanti.

Classe III: Costruzioni il cui uso preveda affollamenti significativi. Industrie con attività pericolose per l'ambiente. Reti viarie extraurbane non ricadenti in Classe d'uso IV. Ponti e reti ferroviarie la cui interruzione provochi situazioni di emergenza. Dighe rilevanti per le conseguenze di un loro eventuale collasso.

Classe IV: Costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al DM 5/11/2001, n. 6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica.

Le azioni sismiche su ciascuna costruzione vengono valutate in relazione ad un periodo di riferimento V_R che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale V_N per il coefficiente d'uso C_U:

$$V_R = V_N \cdot C_U$$

Tale valore riveste notevole importanza in quanto, assumendo che la legge di ricorrenza dell'azione sismica sia un processo Poissoniano, è utilizzato per valutare, fissata la probabilità di superamento P_{VR} corrispondente allo stato limite considerato (Tabella 3.2.I della NTC), il periodo di ritorno T_R dell'azione sismica cui fare riferimento per la verifica.

Il valore del coefficiente d'uso C_U è definito, al variare della classe d'uso, come mostrato in Tab. 2.4.II.

Tab. 2.4.II – *Valori del coefficiente d'uso C_U*

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0,7	1,0	1,5	2,0

Nel caso in esame si assume:

Classe d'uso	Coefficiente d'uso C_u	Vita nominale V_N	Vita di riferimento V_R
-	-	anni	anni
IV	2	50	100

2. NORMATIVE DI RIFERIMENTO

La valutazione dei livelli di sicurezza statica e sismica dell'edificio è stata eseguita con riferimento alle norme tecniche italiane vigenti e secondo le direttive europee di seguito menzionate.

Norme di carattere generale

- **Legge n. 1086 del 05 Novembre 1971** – Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

Strutture

- **Nuove Norme Tecniche per le Costruzioni (NTC 2018)** di cui al D.M. 17.01.2018;
- **Circolare Esplicativa n. 7 del 21/01/2019** – Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. del 17.01.2018;
- **Eurocodice 0** (EN 1990) – Criteri generali di progettazione strutturale;
- **Eurocodice 1** (EN 1991) – Azioni sulle strutture;
- **Eurocodice 2** (EN 1992-1-1) – Progettazione delle strutture in calcestruzzo;
- **Eurocodice 3** (EN 1993-1-1) – Progettazione delle strutture in acciaio;
- **Eurocodice 8** (EN 1998-1) – Progettazione delle strutture per la resistenza sismica;
- **Classificazione di resistenza al fuoco di prodotto ed elementi costruttivi di opere da costruzione** di cui al D.M. 16/02/2007.
- **CNR-DT 207/2008** – Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni.

Terreni e Fondazioni

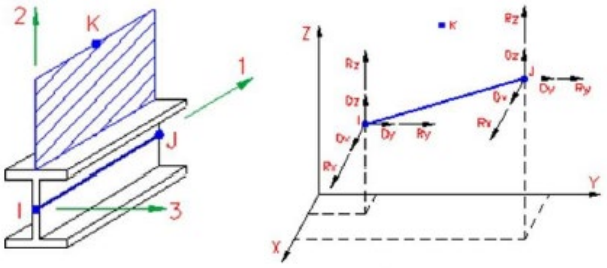
- **Decreto Ministero 11 Marzo 1988 -** Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione ed il collaudo delle opere di sostegno delle terre e delle opere di fondazione;
- **Circolare Ministero LL.PP. n. 30483 del 24 settembre 1988 -** Istruzioni 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 ed il collaudo delle opere di sostegno delle terre;
- **Nuove Norme Tecniche per le Costruzioni (NTC 2018)** di cui al D.M. 17.01.2018.

3. CODICI DI CALCOLO E SISTEMI DI RIFERIMENTO

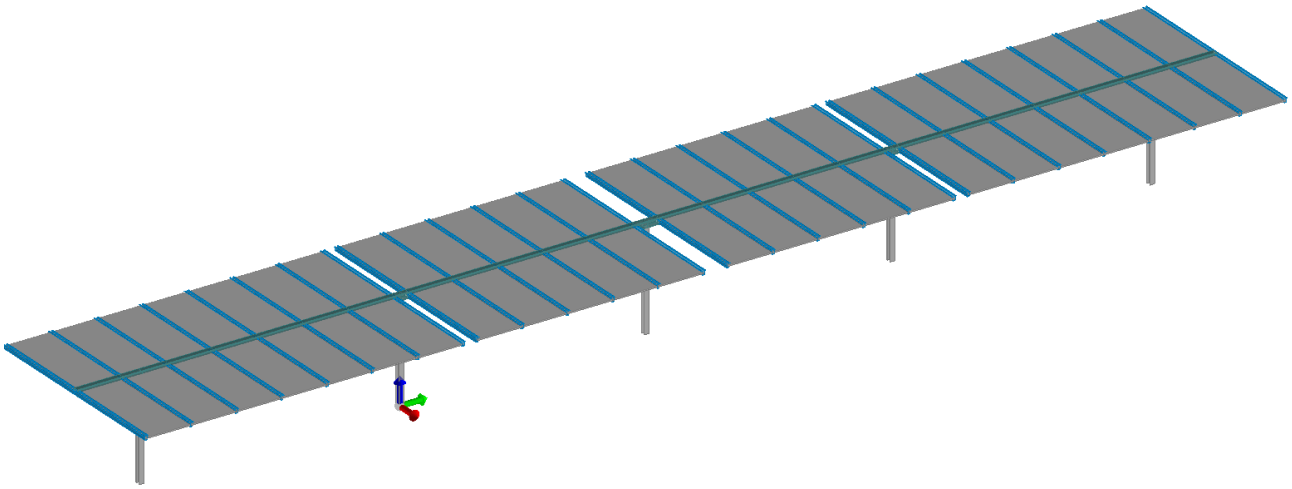
La struttura oggetto di studio caratterizzata da pilastri e travi è stata modellata avvalendosi di codice di calcolo agli elementi finiti PRO_SAP 2SI di sicura e accertata validità. In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (Affidabilità dei codici di calcolo utilizzati) si fa riferimento al Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP disponibile per il download sul sito: https://www.2si.it/it/prodotti/affidabilita/.

Gli elementi finiti utilizzati nel modello di calcolo risultano essere:

- Elementi beam definiti tramite due nodi nello spazio ed un terzo nodo usato per gestire l'orientamento della sezione della trave nello spazio. L'elemento beam ha tre gradi di libertà traslazionali e tre gradi di libertà rotazionali. Agli estremi dell'elemento sono determinate le sei componenti di sollecitazione: tre momenti (torcente e due flettenti), sforzo assiale e due sforzi taglianti.



Il modello di calcolo realizzato risulta il seguente. Il tracker è stato modellato con vincolo di incastro al piede.



4. MATERIALI

4.1. MATERIALE ACCIAIO PER CARPENTERIA METALLICA

Gli elementi strutturali in acciaio sono stati progettati in conformità alle NTC 2018 e all'Eurocodice 3. Tutti gli acciai per carpenteria metallica e per strutture composte acciaio-calcestruzzo devono essere conformi alle norme armonizzate della serie UNI EN 10025 per quanto concerne i laminati a caldo con profili a sezione aperta, UNI EN 10210 per i laminati a caldo con profili a sezione cava (tubi senza saldatura), UNI EN 10219-1 per i laminati a caldo con profili a sezione cava (tubi saldati). Si ha qui:

4.1.1. Tracker

Acciaio S235 JR

Spessore nominale dell'elemento	$t \leq 40$ mm
Tensione caratteristica di snervamento	$f_{y,k} = 235$ N/mm^2
Tensione caratteristica di rottura	$f_{t,k} = 360$ N/mm^2
Modulo elastico	$E_s = 210000$ N/mm^2
Modulo di taglio	$G = 80770$ N/mm^2
Coefficiente di Poisson	$v = 0.30$
Coefficiente di dilatazione termica lineare	$\alpha = 12*10^{-6}$ °C^{-1}
Densità	$\rho = 7850$ kg/m^3

Bulloni ad elevata resistenza

Resistenza a rottura	$f_t = 800$ MPa
Resistenza a snervamento	$f_y = 640$ MPa

5. AZIONI SULLA COSTRUZIONE

Una struttura deve essere progettata in modo tale da rimanere idonea all'uso a cui è stata destinata per un periodo di tempo pari alla sua *vita utile*. L'affidabilità di una struttura risulta quindi legata ai concetti di:

- Sicurezza (SLU) che rappresenta la capacità di evitare crolli, perdite di equilibrio e dissesti di qualunque tipo che possano compromettere l'incolumità delle persone, la perdita di beni e danni ambientali e sociali;
- Funzionalità (SLE) che rappresenta la capacità di garantire le prestazioni previste per le condizioni di esercizio;
- Robustezza (A) che rappresenta la capacità di evitare danni sproporzionati rispetto all'entità di cause "eccezionali" che li hanno innescati quali incendi, urti, esplosioni, ecc.
- Durabilità intensa come conservazione delle caratteristiche fisiche e meccaniche dei materiali identificati e qualificati come specificato nel Capitolo 11 delle NTC 2018.

5.1. CARICHI PERMANENTI STRUTTURALI (G_1)

Di seguito vengono riportate le azioni permanenti ovvero tutte le azioni che agiscono durante la vita nominale della costruzione, la cui variazione di intensità può essere considerata costante.

Peso proprio degli elementi strutturali tipici

I pesi propri degli elementi strutturali vengono calcolati automaticamente dal programma di calcolo moltiplicando l'area della sezione per il peso specifico attribuito al materiale.

5.2. CARICHI PERMANENTI NON STRUTTURALI (G_2)

Il peso proprio degli elementi non strutturali è rappresentato esclusivamente dai pannelli fotovoltaici.

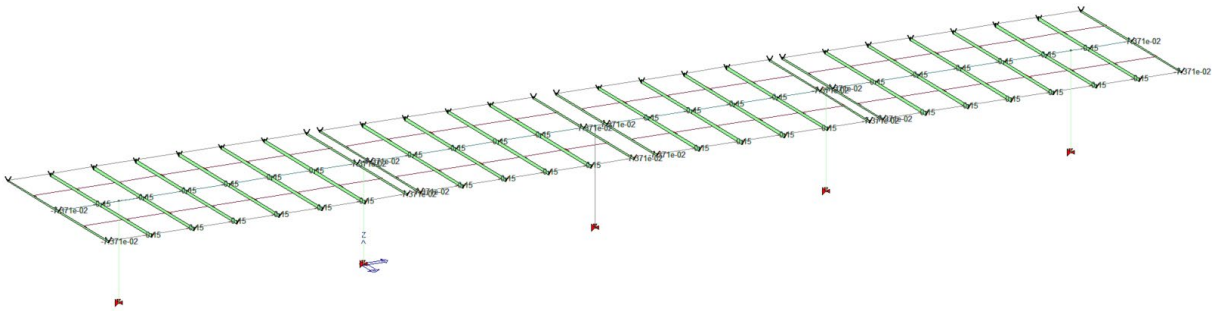
Pannelli fotovoltaici

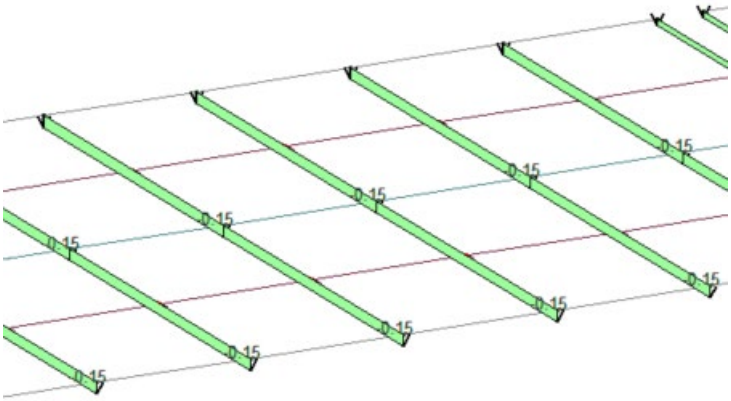
Tipo	Tiger NeoN-type 78HL4-BDV 590-610 Watt
Larghezza	1096 mm
Lunghezza	2465 mm
Peso proprio	0.35 kN

Totale g_{k2}	0.35 kN / (1.096 m x 2.465 m x 1.00 m) =	0.13 kN/m^2

5.2.1. Validazione del carico nel software

Di seguito si riporta un ingrandimento nel quale viene mostrato l'azione del carico applicata ai singoli longheroni. L'area di influenza è di 1.13 m circa, si ha quindi che: 0.13 kN/m^2 * 1.13 m = 0.15 kN/m. Tale carico risulta confermato dall'immagine che segue in cui vi è mostrato il carico agente sul singolo longherone nel software di calcolo.





5.3. AZIONI DA NEVE

L'azione della neve agisce in direzione verticale ed è riferito alla proiezione orizzontale della superficie di copertura. Essa varia principalmente in funzione delle condizioni climatiche ed altimetriche del sito ove è realizzata la costruzione, nonché della tipologia e pendenza della copertura.

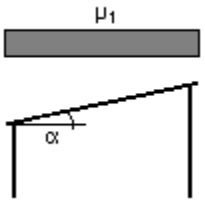
Si ha quanto segue:

Zona Neve		III
Periodo di ritorno, Tr		50 anni
C_{tr}		1
C_e		1
Valore caratteristico del carico al suolo	q_{sk} C_e C_{tr}	1.07 kN/m^2

Copertura ad una falda:

Angolo di inclinazione della falda α	0.0°
Tipo di copertura	Copertura piana
W	5.2 m
L	28.7 m
Lc	9.5
C_{ef}	1
μ_1	0.80
Q_1	0.86 kN/m^2

Schema di carico:

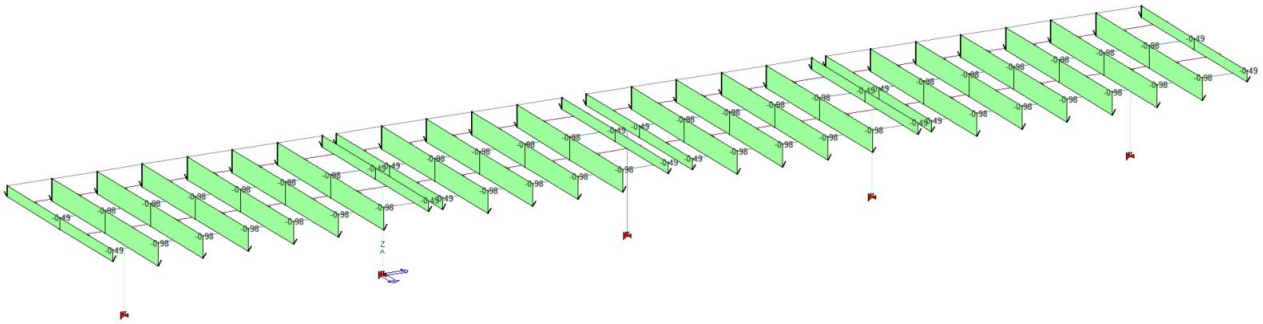


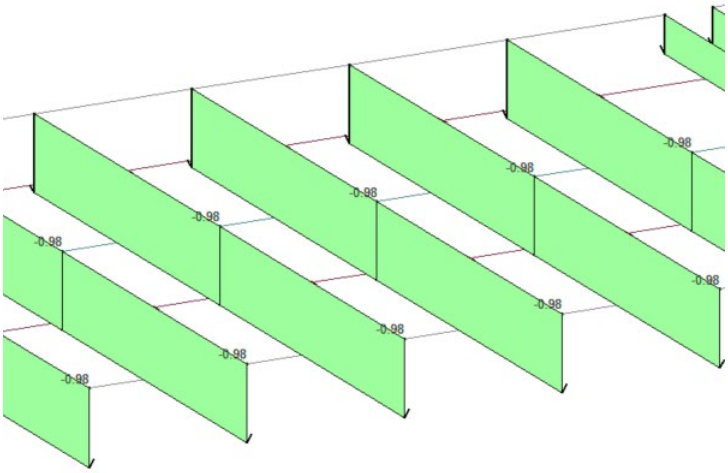
dove:

- q_{sk} è il *valore di riferimento del carico da neve al suolo*;
- μ_i è il *coefficiente di forma* della copertura;
- C_E è il *coefficiente di esposizione*;
- C_t è il *coefficiente termico*.

5.3.1. Validazione del carico nel software

Di seguito si riporta un ingrandimento nel quale viene mostrato l'azione del carico applicata ai singoli longheroni. L'area di influenza è di 1.13 m circa, si ha quindi che: 0.86 kN/m^2 * 1.13 m = 0.97 kN/m. Tale carico risulta confermato dall'immagine che segue in cui vi è mostrato il carico agente sul singolo longherone nel software di calcolo.





5.4. AZIONE DEL VENTO

Il vento, la cui direzione si considera di regola orizzontale, esercita sulle costruzioni azioni che variano nel tempo provocando, in genere, effetti dinamici. Tuttavia, secondo quanto indicato al par. 3.3 delle NTC 2018, l'azione del vento sugli edifici può essere assimilata ad una pressione statica equivalente determinata mediante la seguente relazione:

$$Q_{vk} = q_r \cdot c_e \cdot c_p \cdot c_d$$

dove:

- q_r è la *pressione cinetica di riferimento*;
- c_e è il *coefficiente di esposizione*;
- c_p è il *coefficiente di pressione*;
- c_d è il *coefficiente dinamico*.

5.4.1. Calcolo della pressione cinetica di riferimento

La *pressione cinetica di riferimento* q_r (in N/m^2) è fornita dalla seguente relazione:

$$q_r = \frac{1}{2} \cdot \rho \cdot v_b^2$$

dove v_b è la *velocità di riferimento* del vento (in m/s) e ρ è la *densità dell'aria* assunta convenzionalmente costante e pari a 1.25 kg/m^3 . La velocità di riferimento v_b, che rappresenta il valore massimo della velocità del vento, riferito ad un intervallo temporale di 50 anni, misurata a 10 m dal suolo su un terreno di II categoria e mediato su dieci minuti. In mancanza di adeguate indagini statistiche, v_b si determina mediante la seguente relazione:

$$v_b = v_{b,0}$$

$$v_b = v_{b,0} + k_s \cdot \left(\frac{a_s}{a_0} - 1 \right)$$

dove i parametri v_{b0}, k_s, a_0 sono legati alla regione in cui sorge la costruzione e vengono forniti dalla tabella 3.3.I delle NTC 2018, mentre a_s è l'altitudine del comune di riferimento sul livello del mare (in m).
Il sito ove sorgerà l'edificio che si sta progettando ricade nella zona di riferimento indicata in tabella seguente, a cui corrispondono i relativi parametri:

ZONA	DESCRIZIONE	$v_{b,0}$ [m/s]	a_0 [m]	k_s [-]
4	Sicilia e provincia di Reggio Calabria	28	500	0.36

Poiché l'ubicazione dell'edificio si trova circa ad un'altitudine sul livello del mare $a_s = 504$ m e quindi maggiore di quella di riferimento a_0, si ha $v_b = 28.08$ m/s. La pressione cinetica di riferimento q_r risulta pertanto pari a 0.49 kN/m^2.

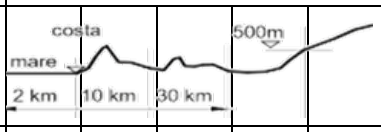
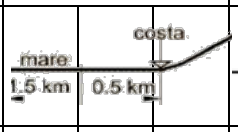
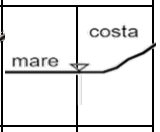
5.4.2. Calcolo del coefficiente di esposizione

Il *coefficiente di esposizione* c_e dipende dall'altezza rispetto al suolo del punto considerato, dalla topografia del terreno, e dalla categoria di esposizione del sito ove sorge la costruzione e si ricava mediante la seguente relazione:

$$\begin{cases} c_e(z) = k_r^2 \cdot c_t \cdot \ln\left(\frac{z}{z_0}\right) \cdot \left[7 + c_t \cdot \ln\left(\frac{z}{z_0}\right)\right] & \text{per} \quad z \geq z_{min} \\ c_e(z) = c_e(z_{min}) & \text{per} \quad z < z_{min} \end{cases}$$

dove z è l'*altezza della costruzione*, k_r, z_0 e z_{min} sono forniti dalla tabella 3.3.II delle NTC 2018 in funzione della categoria di esposizione del sito ove sorge la costruzione e c_t è il *coefficiente di topografia*, che usualmente si pone uguale ad 1.
Per determinare la *categoria di esposizione* si definisce innanzitutto la *classe di rugosità* del terreno così come indicato in tabella 3.3.III. Successivamente, si può determinare la categoria di esposizione come segue:

CLASSE DI RUGOSITÀ	DESCRIZIONE
D	Aree prive di ostacoli (aperta campagna, aeroporti, aree agricole, pascoli, zone paludose o sabbiose, superfici innevate o ghiacciate, mare, laghi,....)

ZONA	1, 2, 3, 4, 5						6					7, 8			9	
																
A	-	IV	IV	V	V	V	-	III	IV	V	V	-	-	IV	-	I
B	-	II	III	IV	IV	IV	-	II	III	IV	IV	-	-	IV	-	I
C	-	*	III	III	IV	IV	-	II	III	III	IV	-	-	III	-	I
D	I	II	II	II	III	**	I	I	II	II	III	I	II	***	I	I
*	Categoria II in zona 1,2,3,4 Categoria III in zona 5															
**	Categoria III in zona 2,3,4,5 Categoria IV in zona 1															
***	Categoria II in zona 8 Categoria III in zona 7															

I valori dei parametri k_r, z_0 e z_{min} pertanto risultano:

CATEGORIA DI ESPOSIZIONE	k_r [-]	z_0 [m]	z_{min} [m]
II	0.19	0.05	4

Il coefficiente di esposizione risulta quindi pari a 1.87.

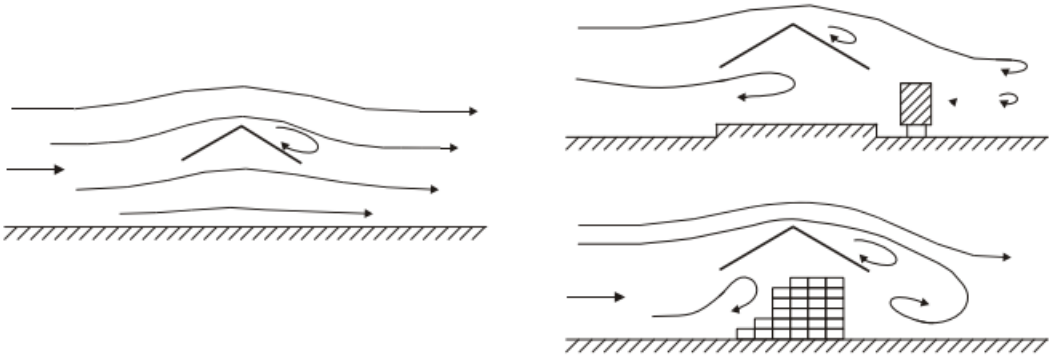
5.4.3. Calcolo del coefficiente dinamico

Con il *coefficiente dinamico* c_d, si tiene conto degli effetti riduttivi associati alla non contemporaneità delle massime pressioni locali e degli effetti amplificativi dovuti alle vibrazioni strutturali. Esso può essere assunto cautelativamente pari ad 1 nelle costruzioni di tipologia ricorrente, quali gli edifici di forma regolare non eccedenti 80 m di altezza ed i capannoni industriali. Verrà pertanto assunto uguale ad 1.

5.4.4. Forza del vento

Quanto scritto di seguito fornisce i criteri per valutare le azioni globali del vento sulle coperture che non si collocano permanentemente al di sopra di pareti verticali, ossia in cui lo spazio sottostante non sia delimitato in maniera permanente da pareti. Si definisce grado di bloccaggio φ il rapporto tra l'area esposta al vento di un'eventuale ostruzione

presente al di sotto della tettoia e l'area totale della superficie ortogonale alla direzione del vento al di sotto della tettoia.



Tettoia senza ostruzioni, φ=0 *Tettoia ostruita, φ=1*

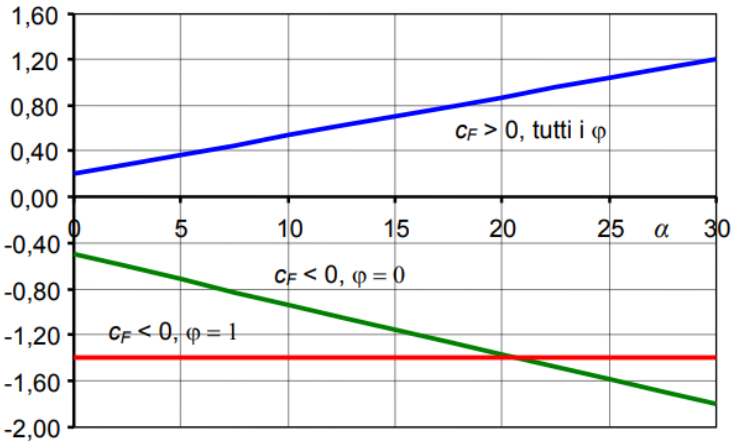
S'identificano due situazioni limite:

- $\varphi = 0$ corrisponde all'assenza di ostruzioni al di sotto della tettoia (tettoia libera);
- $\varphi = 1$ corrisponde alla situazione in cui lo spazio al di sotto della tettoia risulti completamente ostruito.

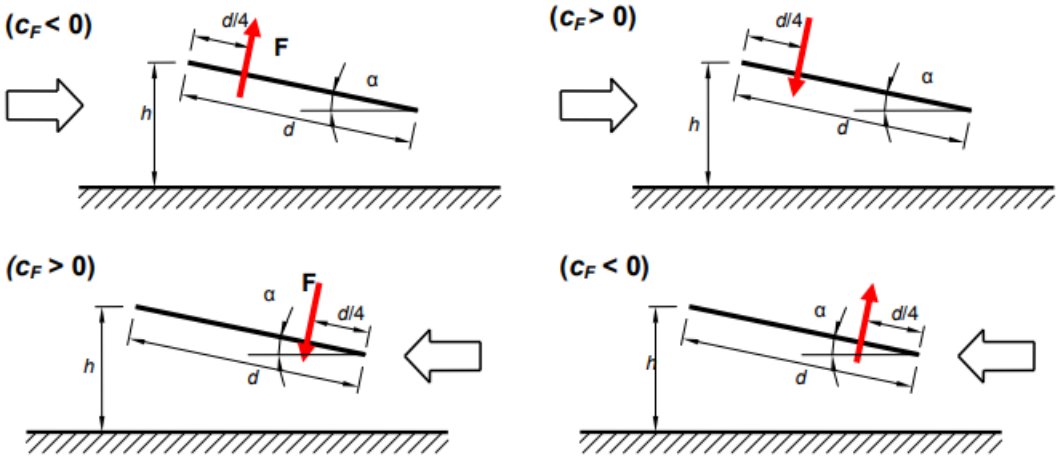
La tabella di seguito mostrata e riportata nelle CNR-DT 207/2008 con relativo grafico, riportano i valori dei coefficienti di forza per le tettoie a semplice falda con vento agente perpendicolarmente alla linea di colmo. I valori dei coefficienti di forza sono espressi in funzione del grado di bloccaggio φ e dell'inclinazione α della falda. Per valori intermedi di φ è ammessa un'interpolazione lineare tra i valori relativi ai casi $\varphi = 0$ e $\varphi = 1$. La quota di riferimento z è pari all'altezza massima h della tettoia. L'area di riferimento L^2 ossia l'area su cui è applicata la forza risultante, è pari all'area del pannello fotovoltaico.

Tabella G.XII – Coefficienti di forza per tettoie a semplice falda (α in °).

Valori positivi	Tutti i valori di φ	$c_F = +0{,}2 + \alpha/30$
Valori negativi	φ = 0 φ = 1	$c_F = -0{,}5 - 1{,}3 \cdot \alpha/30$ $c_F = -1{,}4$



Per il calcolo della forza dovuta al vento si considerano le condizioni di carico più gravose tra le quattro indicate nella seguente figura, dove la forza risultante $F_v = q_p(z) \cdot L^2 \cdot c_f(\alpha)$ è applicata sopravento ad una distanza pari a $d/4$ dal bordo investito dal flusso, dove d è la luce dell'elemento investito dal vento.



Di seguito si evidenziano i valori di c_f al variare dell'inclinazione α dei pannelli fotovoltaici, sia in caso di pannello sopravento (c_f positivi) sia in caso di pannello sottovento (c_f negativi).

Inclinazione pannello fotovoltaico	Coefficiente di forza positivo	Coefficiente di forza negativo
α	c_f (+)	c_f (-) ; ϕ=0
[°]	[-]	[-]
0	0.20	-0.50
5	0.37	-0.72
10	0.53	-0.93
15	0.70	-1.15
20	0.87	-1.37
25	1.03	-1.58
30	1.20	-1.80
35	1.37	-2.02

40	1.53	-2.23
45	1.70	-2.45
50	1.87	-2.67
55	2.03	-2.88
60	2.20	-3.10
65	2.37	-3.32
70	2.53	-3.53
75	2.70	-3.75
80	2.87	-3.97
85	3.03	-4.18
90	3.20	-4.40

I pannelli fotovoltaici sono dotati di un anemometro; nel momento in cui la velocità rilevata supera un valore di velocità tale da compromettere la stabilità dei pannelli stessi, questi ultimi si dispongono di taglio minimizzando l'azione del vento.

Si ha che:

$$q_p(z) = q_r \cdot c_e(z)$$

Si ha quindi:

$$q_p = 0.49 \cdot 1.87 = 0.92\text{kN/m}^2$$

Calcolo della risultante della forza da vento F in direzione X

Coefficienti di forza c_F

Valori positivi per ogni valore di φ $c_F = 0.20$ (si è assunta come piano quindi angolo di 0°)

Valori negativi per $\varphi = 0$ $c_F =$ -0.50 (si è assunta come piano quindi angolo di 0°)

Valori negativi per $\varphi = 1$ $c_F =$ -1.40

Ricordando che $F_v = q_p(z) \cdot L^2 \cdot c_f(\alpha)$ si calcolano le tre forze da vento F in direzione +X:

Vento + X	$c_F > 0$	Ogni valore di φ	$F = 0.92 \times 2.70 \times 0.20 = 0.50kN$
Vento + X	$c_F < 0$	$\varphi = 0$	$F = 0.92 \times 2.70 \times -0.50 = -1.24kN$
Vento + X	$c_F < 0$	$\varphi = 1$	$F = 0.92 \times 2.70 \times -1.40 = -3.48kN$

Analogamente in direzione – X si ha:

Vento - X	$c_F > 0$	Ogni valore di φ	$F = 0.92 \times 2.70 \times 0.20 = 0.50kN$
Vento - X	$c_F < 0$	$\varphi = 0$	$F = 0.92 \times 2.70 \times -0.50 = -1.24kN$

Vento - X	$c_F < 0$	$\varphi = 1$	$F = 0.92 \times 2.70 \times -1.40 = -3.48kN$

Tale forza è applicata ad una distanza pari a $d/4$ dal bordo investito dal flusso, dove d è la luce dell'elemento investito dal vento. Nel nostro caso d = 2.465 m quindi $d/4 = 0.61\text{m}$.

Poiché il carico del vento agisce sulla tettoia come un carico superficiale e non come un carico concentrato, e la posizione del suo baricentro è pari a 1/4 della lunghezza della copertura, è necessario trovare una situazione di carico appropriata che tenga conto di questo. Una tale disposizione eccentrica del carico porta a problemi di instabilità non trascurabili dei supporti centrali. Una possibile disposizione del carico sarebbe un carico superficiale a forma di parabola, perché il suo centro di gravità è situato a 1/4 della lunghezza.

Nel caso in questione, a causa dell'impossibilità di inputare nel software un carico parabolico, è stato considerato un carico rettangolare applicando dappertutto l'ordinata di carico maggiore dell'eventuale carico parabolico.

Dividendo quindi il carico per l'area di ogni singolo pannello si ottiene il carico da distribuire su ciascun longherone.

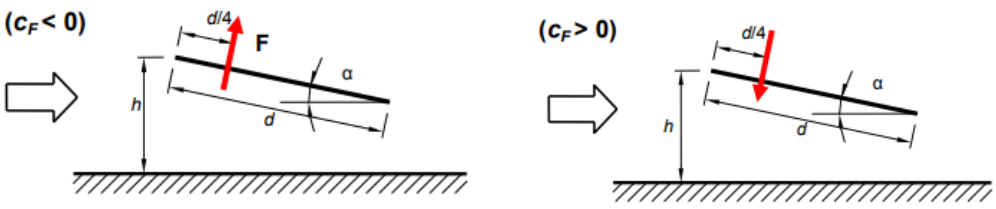
Vento + X	$c_F > 0$	Ogni valore di φ	$q = 0.50kN / (1.093 \times 2.465) = 0.19\text{kN/m}^2$
Vento + X	$c_F < 0$	$\varphi = 0$	$q = -1.24kN / (1.093 \times 2.465) = 0.46\text{kN/m}^2$
Vento + X	$c_F < 0$	$\varphi = 1$	$q = -3.48kN / (1.093 \times 2.465) = 1.29\text{kN/m}^2$

Analogamente per l'azione del vento in direzione -X.

Calcolo della risultante della forza da vento F in direzione Y

Essendo la tettoia piana, situazione analoga a quella mostrata in direzione X sarà presente nel caso in cui il vento agisca in direzione Y. Inoltre essendo il pannello disposto con lato più lungo in direzione X, il caso dell'azione del vento in direzione X risulta la più gravosa e quindi questa sarà l'unica modellata sul software riducendo le numerose combinazioni di carico che si potranno schematizzare semplicemente come:

Vento + X	$c_F > 0$	Ogni valore di φ	$q = 0.50kN / (1.093 \times 2.465) = 0.19\text{kN/m}^2$
Vento + X	$c_F < 0$	$\varphi = 1$	$q = -3.48kN / (1.093 \times 2.465) = 1.29\text{kN/m}^2$



5.4.4.1. Validazione del carico nel software

Di seguito si riporta un ingrandimento nel quale viene mostrato l'azione del carico applicata ai singoli longheroni. L'area di influenza è di 1.13 m circa, si ha quindi che: 0.86 kN/m^2 * 1.13 m = 0.97 kN/m. Tale carico risulta confermato dall'immagine che segue in cui vi è mostrato il carico agente sul singolo longherone nel software di calcolo.

5.5. AZIONE SISMICA

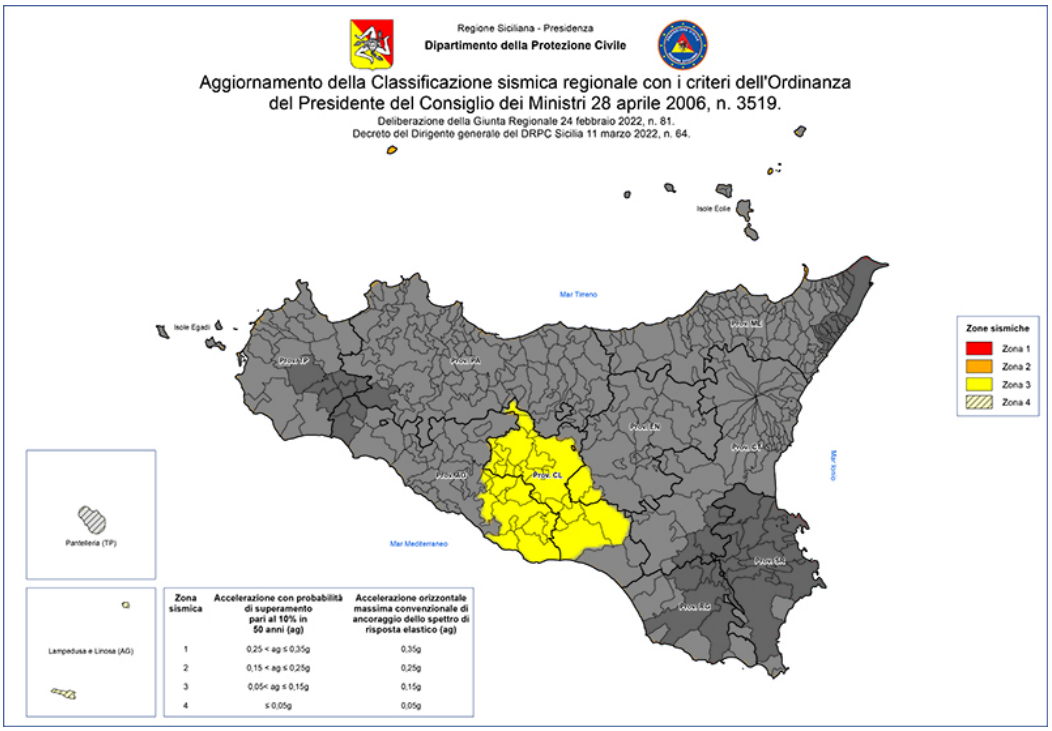
5.5.1. Classificazione della struttura e inquadramento sismico

Per quanto concerne la classificazione sismica, con il Decreto del Dirigente generale del DRPC Sicilia 11 marzo 2022, n. 64 è stata resa esecutiva la nuova classificazione sismica dei Comuni della Regione Siciliana.

La nuova classificazione sismica del territorio regionale della Sicilia prevede:

- 53 comuni classificati in zona 1;
- 304 comuni classificati in zona 2;
- 32 comuni classificati in zona 3;
- 2 comuni classificati in zona 4.

Il territorio in questione è parte della zona 3, come mostrato nell'immagine che segue.



Alla luce dell'attuale classificazione sismica del territorio e delle norme tecniche vigenti, le costruzioni devono essere dotate di sistemi strutturali che garantiscano rigidezza e resistenza, oltre che nei confronti delle azioni verticali e orizzontali statiche, nei confronti di due componenti ortogonali orizzontali delle azioni sismiche.

Si deve inoltre tenere conto degli effetti torsionali che si accompagnano all'azione sismica. A tal fine gli orizzontamenti, ove presenti, devono essere dotati di rigidezza e resistenza tali da permettere loro di trasmettere le forze ai diversi sistemi resistenti a sviluppo verticale.

Le costruzioni soggette all'azione sismica, non dotate di appositi dispositivi dissipativi, come quella in questione, devono essere progettate in accordo ai seguenti comportamenti strutturali:

- Comportamento strutturale non dissipativo;
- Comportamento strutturale dissipativo;

Nel comportamento strutturale non dissipativo, gli effetti combinati delle azioni sismiche e delle altre azioni sono calcolati, indipendentemente dalla tipologia strutturale adottata, senza tenere conto delle non linearità di comportamento (materiale e geometriche) se non rilevanti.

Nel comportamento strutturale dissipativo, cui ci si riferisce quando si progetta per gli stati limite ultimi, gli effetti combinati delle azioni sismiche e delle altre azioni sono calcolati, in funzione della tipologia strutturale adottata, tenendo conto delle non linearità di comportamento.

Gli elementi strutturali delle fondazioni, che devono essere dimensionati sulla base delle sollecitazioni ad essi trasmesse dalla struttura sovrastante, devono avere comportamento non dissipativo, indipendentemente dal comportamento strutturale attribuito alla struttura su di essi gravante.

La progettazione dell'opera in questione è avvenuta adottando le seguenti ipotesi:

- Edificio con comportamento strutturale non dissipativo caratterizzato da struttura con pilastri e travi con orizzontamento infinitamente rigido.
- L'area di studio nella quale è prevista la progettazione ricade in Zona Sismica 3.

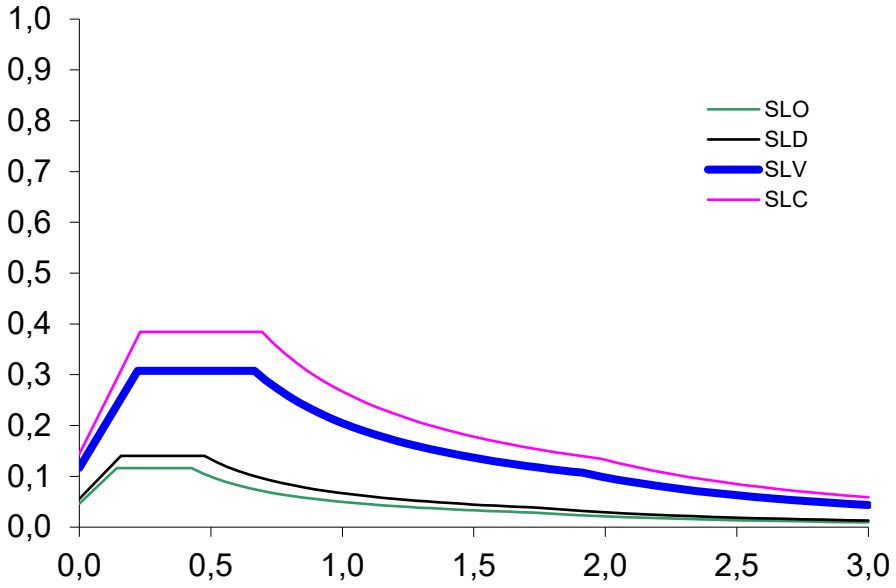
Dalle indagini geotecniche l'opera risulta appartenere ad un sottosuolo di categoria C e classe topografica T1. Per la struttura si prevede una vita nominale V_N di 100 anni e classe IV. Il periodo di ritorno T_R dell'azione sismica è quindi 101 anni per lo stato limite di danno SLD e 949 anni per lo stato limite di salvaguardia della vita SLV.

Si riportano di seguito i parametri di pericolosità sismica per il sito in esame:

Stato Limite	SLO	SLD	SLV	SLC
T_r	60	101	949	1950
a_g	0.031	0.037	0.078	0.096
F_o	2.500	2.528	2.630	2.669
T_c^*	0.261	0.307	0.507	0.540

5.5.2. Spettri di risposta in accelerazione

Si riportano gli spettri di risposta elastica per i diversi stati limite:



Seguono alcuni dei parametri principali per la creazione dello spettro.

	SLD	SLV
$S\ a_g$	0.055	0.117
T_B	0.159	0.222
T_C	0.476	0.666
$S_e(T_C)$	0.140	0.308
$S_d(T_C)$	0.140	0.308

5.5.3. Spettri di risposta di progetto e valutazione del fattore di struttura

L'analisi sismica adottata è l'analisi dinamica lineare. Si ha che "*[...] le capacità dissipative delle strutture possono essere considerate attraverso una riduzione delle forze elastiche, che tenga conto in modo semplificato della capacità dissipativa anelastica della struttura, della sua sovraresistenza, dell'incremento del periodo proprio di vibrazione a seguito delle plasticizzazioni [...]*". Pertanto, per valutare la domanda sismica verrà utilizzato uno spettro con le ordinate ridotte sostituendo nelle formule spettrali η con 1/q, dove *q* è il *fattore di comportamento*. Si assumerà comunque $S_d(T) \leq 0.2 \cdot a_g$.

Nel caso in questione è stato adottato un comportamento non dissipativo. Per le strutture a comportamento strutturalea non dissipativo si adotta un fattore di comportamento q_{ND} ridotto rispetto al valore minimo relativo alla CD "B" secondo l'espressione:

$$1 \le q_{ND} = \frac{2}{3} q_{CD"B"} \le 1.5$$

Si assume a vantaggio di sicurezza $q_{ND} = 1.00$.

5.6. COMBINAZIONE DELLE AZIONI

Ai fini delle verifiche agli stati limite le azioni sono combinate applicando le relazioni del par. 2.5.3 delle NTC 2018, quindi si ha:

- combinazione *fondamentale*, per le verifiche agli stati limite ultimi (SLU):

$$F_d = \gamma_{G1} \cdot G_{1k} + \gamma_{G2} \cdot G_{2k} + \gamma_{Q1} \cdot Q_{1k} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{2k} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{3k} + \ldots$$

- combinazione *rara*, per le verifiche agli stati limite di esercizio (SLE) irreversibili:

$$F_d = G_{1k} + G_{2k} + Q_{1k} + \psi_{02} \cdot Q_{2k} + \psi_{03} \cdot Q_{3k} + \ldots$$

- combinazione *frequente*, per gli stati limite di esercizio (SLE) reversibili:

$$F_d = G_{1k} + G_{2k} + \psi_{11} \cdot Q_{1k} + \psi_{22} \cdot Q_{2k} + \psi_{23} \cdot Q_{3k} + \ldots$$

- combinazione *quasi permanente*, per le verifiche agli stati limite di esercizio (SLE) a lungo termine:

$$F_d = G_{1k} + G_{2k} + \psi_{21} \cdot Q_{1k} + \psi_{22} \cdot Q_{2k} + \psi_{23} \cdot Q_{3k} + \ldots$$

- combinazione *sismica*, per le verifiche agli stati limite di ultimi (SLV, SLC) e di esercizio (SLO, SLD) connessi all'azione sismica:

$$F_d = E + G_{1k} + G_{2k} + \psi_{21} \cdot Q_{1k} + \psi_{22} \cdot Q_{2k} + \psi_{23} \cdot Q_{3k} + \ldots$$

dove: G_{1k} sono i carichi permanenti strutturali, G_{2k} sono i carichi permanenti non strutturali, Q_{ik} le azioni variabili, con Q_{1k} azione dominante e Q_{2k}, Q_{3k}, … azioni variabili secondarie, ed E rappresenta l'azione sismica. Nelle formule sopra riportate il simbolo "+" vuol dire "combinato con".

I coefficienti di combinazione Ψ_{ij} sono ricavati dalla tabella 2.5.I delle NTC 2018. Invece i coefficienti γ_{G1}, γ_{G2} e γ_{Q} sono ricavati dalla tabella 2.6.I delle medesime norme. Entrambe le tabelle sono riportate di seguito.

CATEGORIA / AZIONE VARIABILE	Ψ_{0j}	Ψ_{1j}	Ψ_{2j}
Categoria A - Ambienti ad uso residenziale	0.7	0.5	0.3
Categoria B - Uffici	0.7	0.5	0.3
Categoria C - Ambienti suscettibili di affollamento	0.7	0.7	0.6
Categoria D - Ambienti ad uso commerciale	0.7	0.7	0.6
Categoria E – Aree per immagazzinamento, uso commerciale e uso industriale. Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8

Categoria F - Rimesse, parcheggi ed aree per il traffico di veicoli (per autoveicoli di peso ≤ 30 kN)	0.7	0.7	0.6
Categoria G – Rimesse, parcheggi ed aree per il traffico di veicoli (per autoveicoli di peso > 30 kN)	0.7	0.5	0.3
Categoria H - Coperture accessibili per sola manutenzione	0.0	0.0	0.0
Categoria I – Coperture praticabili	da valutarsi caso per caso		
Categoria K – Coperture per usi speciali (impianti, eliporti, ...)			
Vento	0.6	0.2	0.0
Neve (a quota ≤ 1000 m s.l.m.)	0.5	0.2	0.0
Neve (a quota > 1000 m s.l.m.)	0.7	0.5	0.2
Variazioni termiche	0.6	0.5	0.0

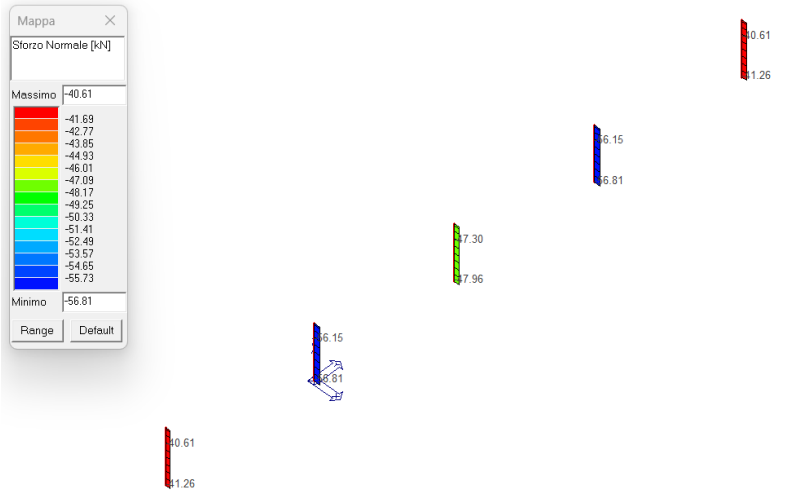
AZIONE	**EFFETTO**	**COEFFICIENTE γ_F**	**EQU**	**A1**	**A2**
Carichi permanenti G_1	Favorevole	γ_{G1}	0.9	1.0	1.0
	Sfavorevole		1.1	1.3	1.0
Carichi permanenti G_2	Favorevole	γ_{G2}	0.8	0.8	0.8
	Sfavorevole		1.5	1.5	1.5
Carichi variabili Q	Favorevole	γ_{Qi}	0.0	0.0	0.0
	Sfavorevole		1.5	1.5	1.3

6. VERIFICHE - COLONNE IN ACCIAIO

6.1. SOLLECITAZIONI ALLO SLU

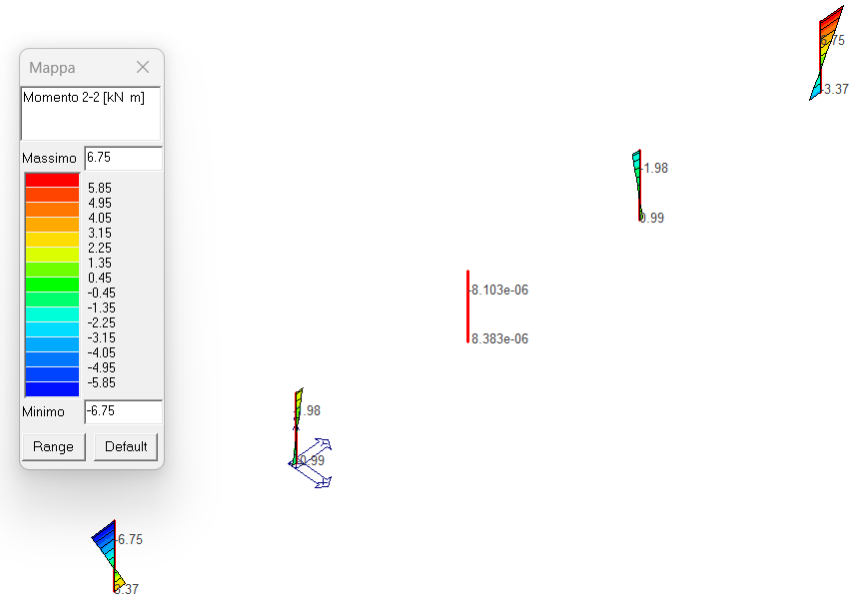
Si riportano di seguito le sollecitazioni massime (condizione più gravosa) allo SLU.

N_{max} = -56.81 kN



T_{xmax} = 4.00 kN

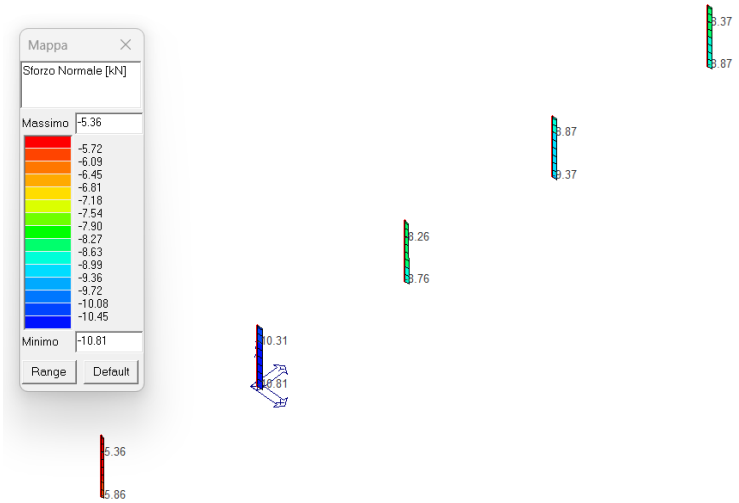
M_{xmax} = 6.75 kNm



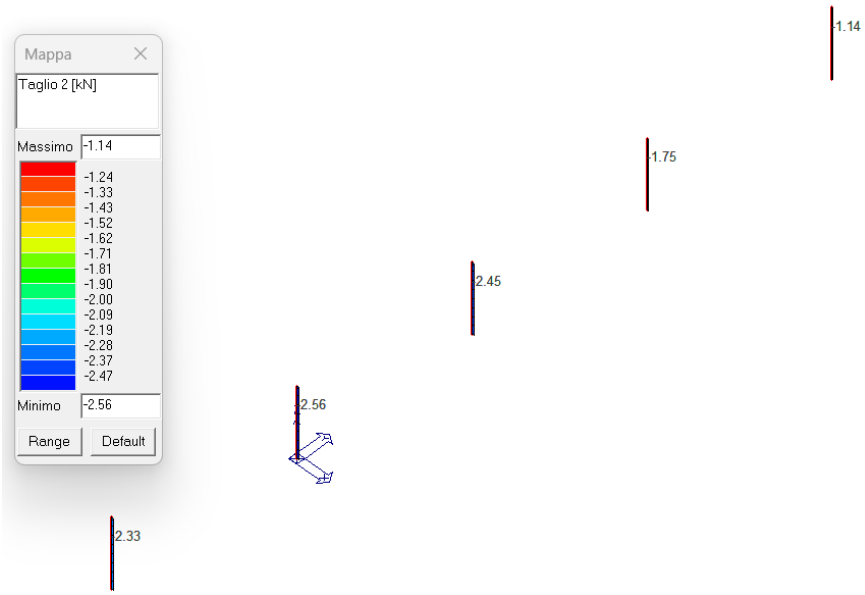
6.2. SOLLECITAZIONI ALLO SLV

Si riportano di seguito le sollecitazioni massime (condizione più gravosa) allo SLV.

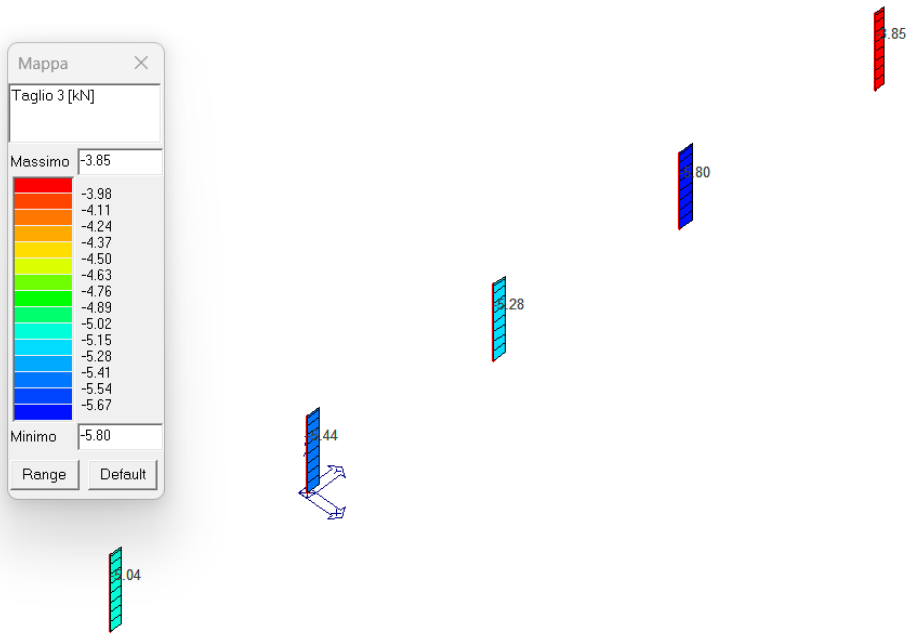
N_{max} = -10.81 kN



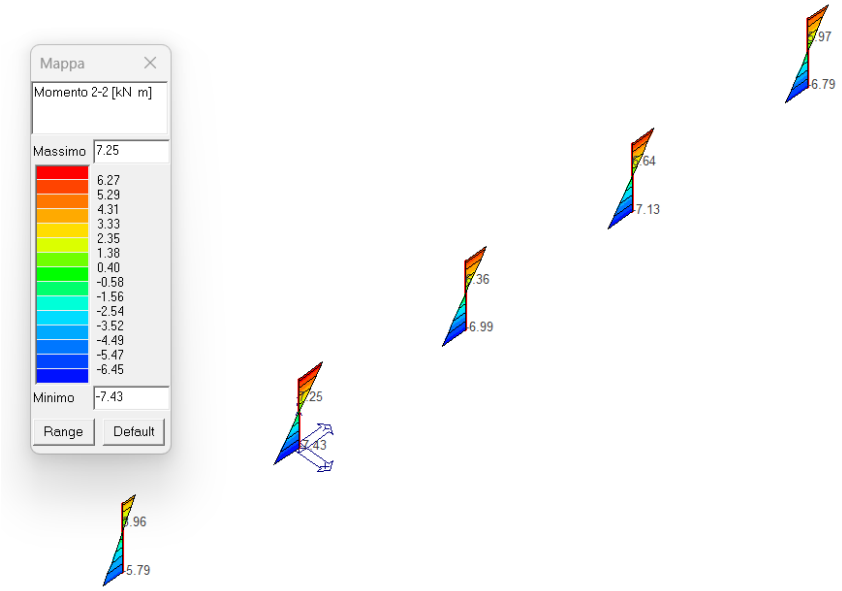
T_{xmax} =2.56 kN



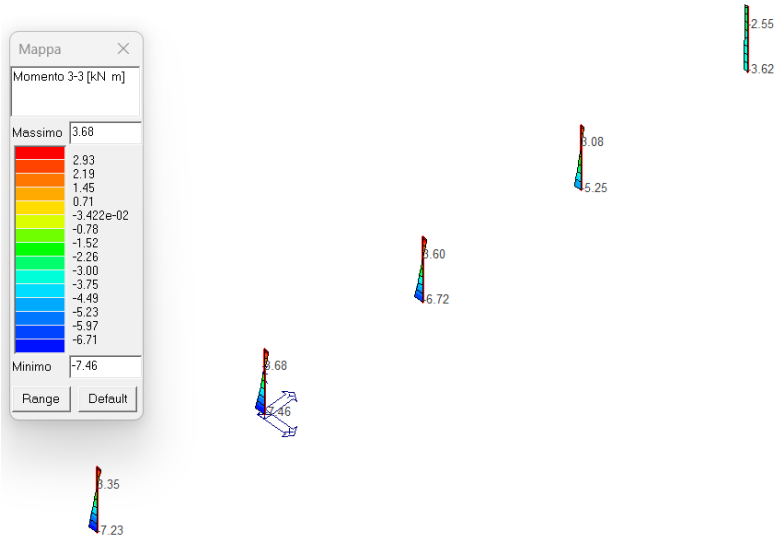
T_{ymax} =5.80 kN



M_{xmax} =7.43 kN

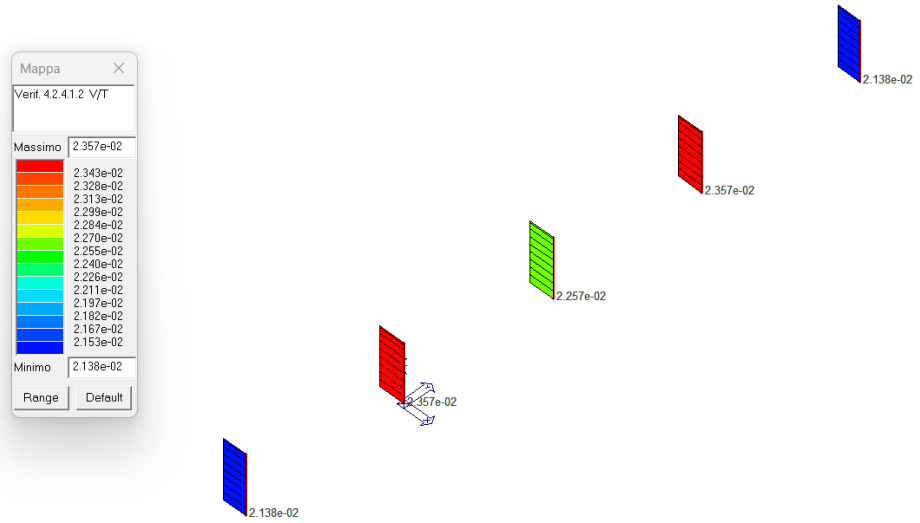


M_{ymax} =7.46 kN



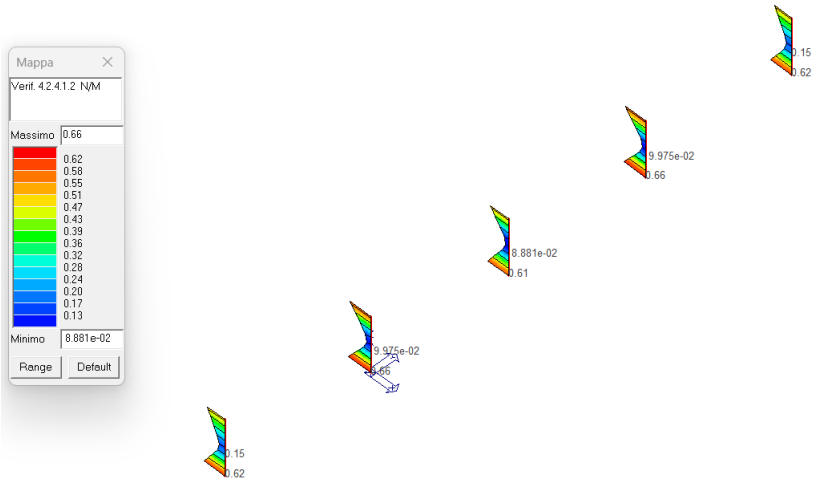
6.3. VERIFICA V/T

Di seguito vengono mostrati i risultati ottenuti dalla verifica a taglio e torsione (§4.2.4.1.2) degli elementi espressi mediante i valori di $V_{Ed}/V_{c,Rd}$ (oppure T_{Ed}/T_{Rd} qualora questa dovesse risultare più restrittiva). In presenza di torsione viene applicata la formula §4.2.24 per i profili ad I ed H o §4.2.25 per sezioni cave. La verifica è soddisfatta se il valore è inferiore ad 1 come mostra l’immagine di seguito.



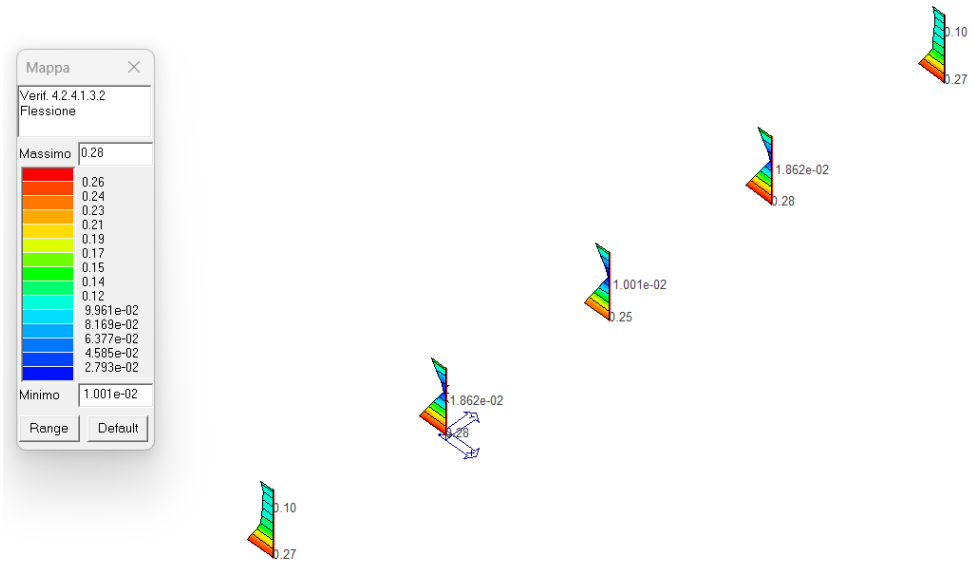
6.4. VERIFICA N/M

Di seguito vengono mostrati i risultati ottenuti dalla verifica a presso/tenso flessione delle colonne. La verifica tiene conto del fattore di riduzione ρ (formula §4.2.40). Le formule utilizzate sono la §4.2.38 o §4.2.39 in funzione della classe della sezione. La verifica è da considerarsi soddisfatta se il valore è inferiore ad 1 come mostra l’immagine di seguito.

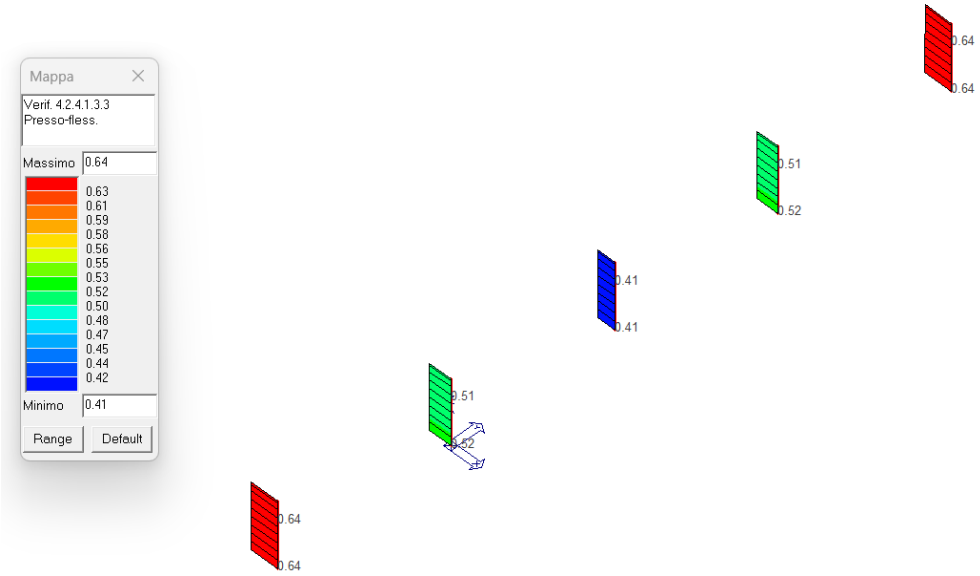


6.5. VERIFICHE DI STABILITÀ

Di seguito vengono mostrate le verifiche di stabilità eseguite secondo la formula 4.2.48. La verifica è da considerarsi soddisfatta se il valore è inferiore ad 1 come mostra l’immagine di seguito.



Di seguito vengono mostrate, invece, le verifiche di stabilità delle membrature presso-inflesse eseguite secondo uno dei due metodi previsti al paragrafo C.4.2.4.1.3.3 della circolare. La verifica è da considerarsi soddisfatta se il valore è inferiore ad 1 come mostra l’immagine che segue.

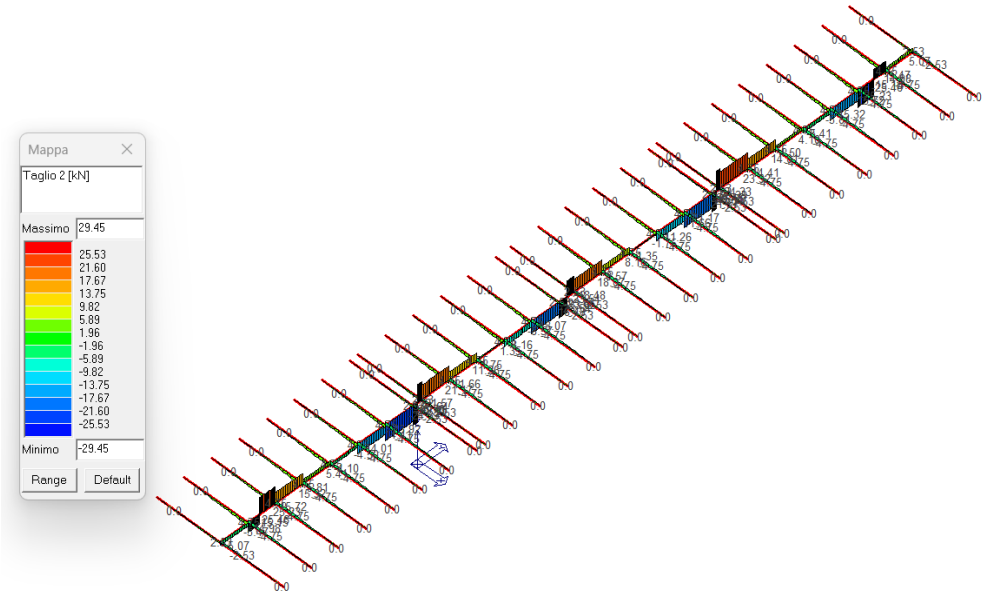


7. VERIFICHE - TRAVI IN ACCIAIO

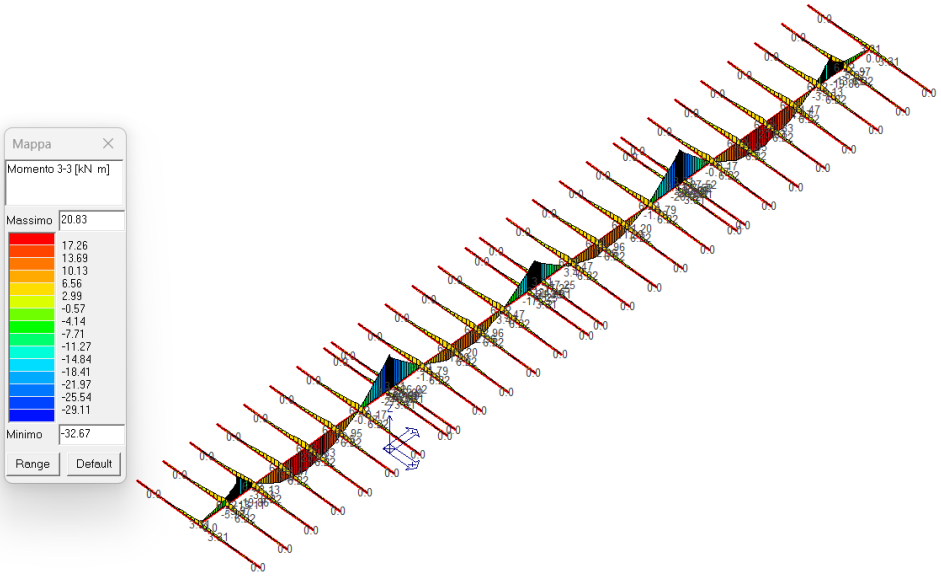
7.1. SOLLECITAZIONI ALLO SLU

Si riportano di seguito le sollecitazioni massime (condizione più gravosa) allo SLU.

T_{xmax} = 29.45 kN



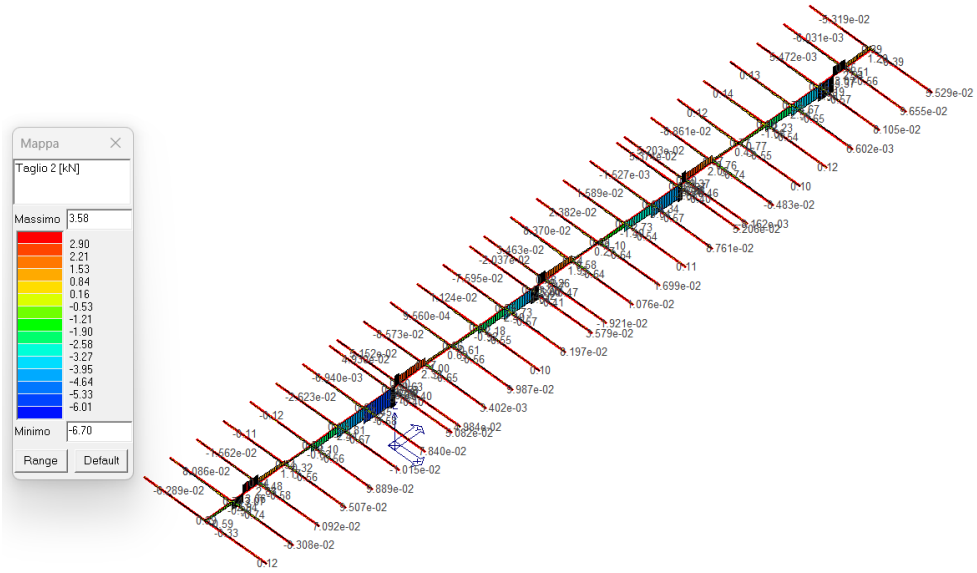
M_{xmax} = 32.67 kNm



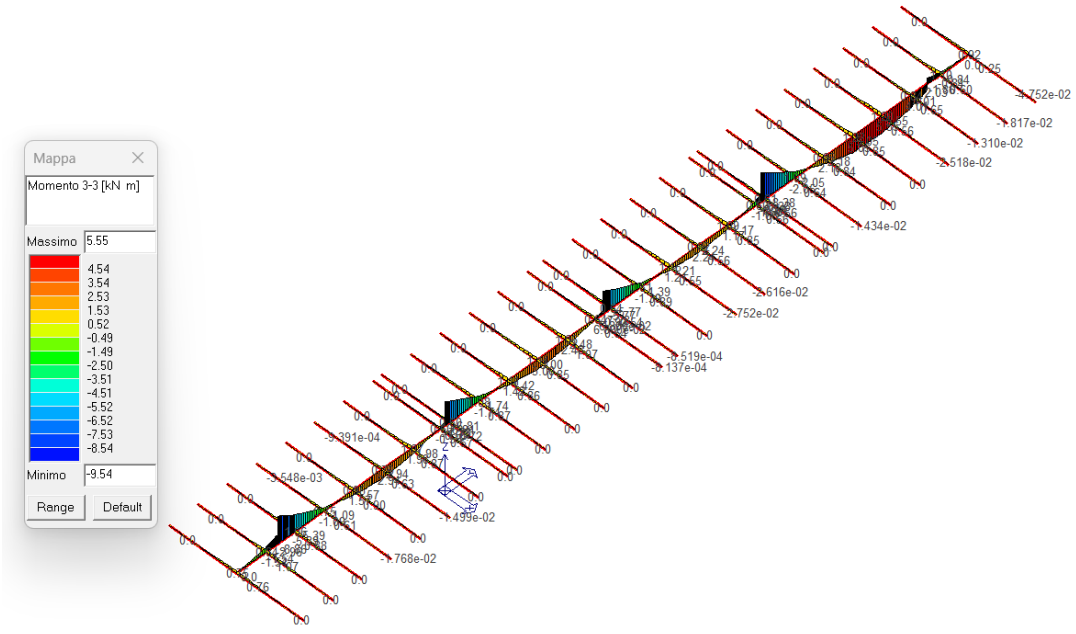
7.2. SOLLECITAZIONI ALLO SLV

Si riportano di seguito le sollecitazioni massime (condizione più gravosa) allo SLV.

T_{max} = -6.70 kN

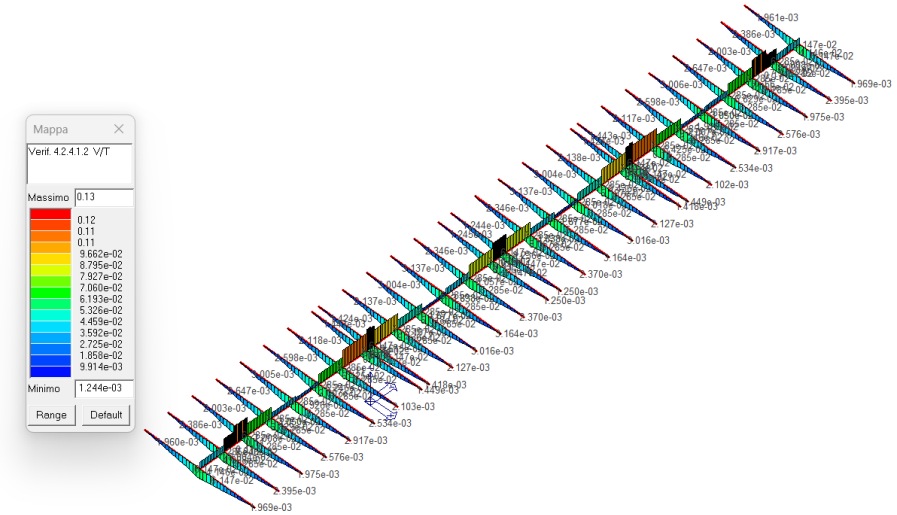


M_{xmax} =9.54 kNm



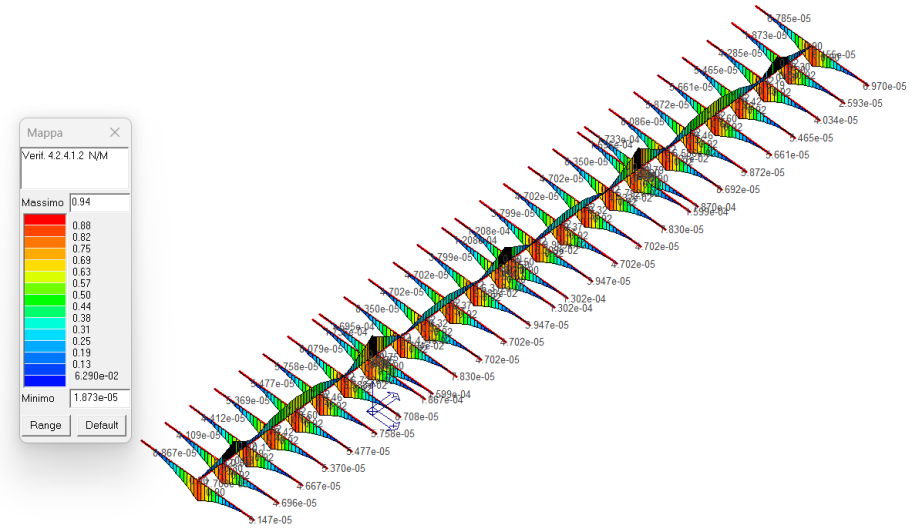
7.3. VERIFICA V/T

Di seguito vengono mostrati i risultati ottenuti dalla verifica a taglio e torsione (§4.2.4.1.2) degli elementi espressi mediante i valori di $V_{Ed}/V_{c,Rd}$ (oppure T_{Ed}/T_{Rd} qualora questa dovesse risultare più restrittiva). In presenza di torsione viene applicata la formula §4.2.24 per i profili ad I ed H o §4.2.25 per sezioni cave. La verifica è soddisfatta se il valore è inferiore ad 1 come mostra l’immagine di seguito.



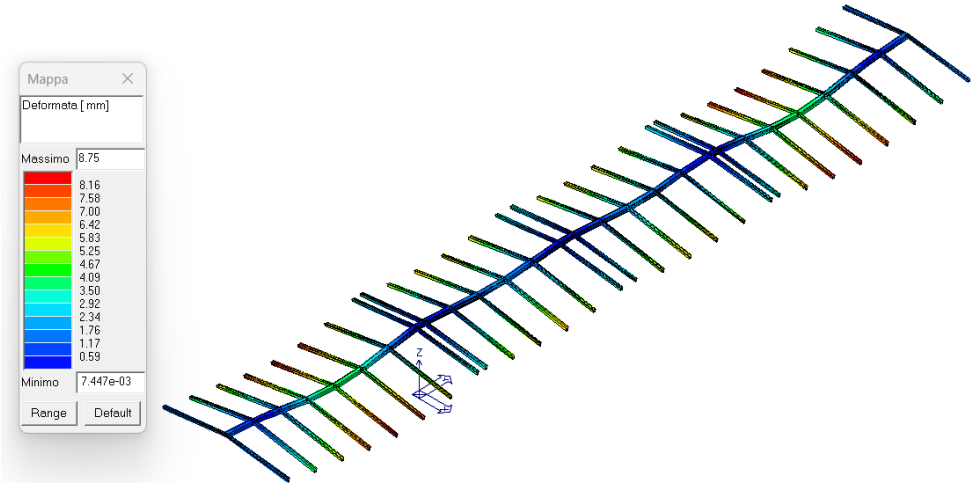
7.4. VERIFICA N/M

Di seguito vengono mostrati i risultati ottenuti dalla verifica a presso/tenso flessione delle colonne. La verifica tiene conto del fattore di riduzione ρ (formula §4.2.40). Le formule utilizzate sono la §4.2.38 o §4.2.39 in funzione della classe della sezione. La verifica è da considerarsi soddisfatta se il valore è inferiore ad 1 come mostra l’immagine di seguito.



7.5. VERIFICA DI DEFORMABILITÀ

In condizione quasi permanente la deformata massima della struttura risulta pari a 8.75 mm.



Tale valore risulta inferiore al valore L/200 = 12.32 mm quindi tale spostamento risulta compatibile con le funzionalità dell’opera.

PRO_SAP

PROfessional Structural Analysis Program

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:	PROFESSIONAL (build 2022-06-196)
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:	Licenza dsi6440

Descrizione	
Ubicazione	Comune di CALTANISSETTA (CL) (Regione SICILIA)
	Località Contrade Ramilia e Deliella
	Longitudine 13.881, Latitudine 37.456
Progettista	Ing. Edoardo Boscarino

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/

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Contenuti della relazione:
RELAZIONE DI CALCOLO STRUTTURALE
- Origine e Caratteristiche dei Codici di Calcolo
- Affidabilità dei codici utilizzati
- Validazione dei codici
- Tipo di analisi svolta
- Modalità di presentazione dei risultati
- Informazioni generali sull'elaborazione
- Giudizio motivato di accettabilità dei risultati
STAMPA DEI DATI DI INGRESSO
- Normative prese a riferimento
- Criteri adottati per le misure di sicurezza
- Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconnessioni
- Interazione tra terreno e struttura
- Legami costitutivi adottati per la modellazione dei materiali e dei terreni
- Schematizzazione delle azioni, condizioni e combinazioni di carico
- Metodologie numeriche utilizzate per l'analisi strutturale
-Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali
STAMPA DEI RISULTATI

RELAZIONE DI CALCOLO STRUTTURALE

Descrizione generale dell'opera

Descrizione generale dell'opera	
Ubicazione	Comune di CALTANISSETTA (CL) (Regione SICILIA)
	Località Contrade Ramilia e Deliella
	Longitudine 13.881, Latitudine 37.456

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
IV	100.0	2.0	200.0

Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l' azione sismica	D.M. 17-01-2018

Azioni di progetto sulla costruzione

Nei capitoli "modellazione delle azioni" e "schematizzazione dei casi di carico" sono indicate le azioni sulle costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica.*

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

K * u = F dove **K** = matrice di rigidezza

u = vettore spostamenti nodali

F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo ***TRUSS*** (biella-D2)

Elemento tipo ***BEAM*** (trave-D2)

Elemento tipo ***MEMBRANE*** (membrana-D3)

Elemento tipo ***PLATE*** (piastra-guscio-D3)

Elemento tipo ***BOUNDARY*** (molla)

Elemento tipo ***STIFFNESS*** (matrice di rigidezza)

Elemento tipo ***BRICK*** (elemento solido)

Elemento tipo ***SOLAIO*** (macro elemento composto da più membrane)

Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
Analisi lineare	SI

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Un attento esame preliminare della documentazione a corredo del software ***ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico***. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche. E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	94
elementi D2 (per aste, travi, pilastri…)	93
elementi D3 (per pareti, platee, gusci…)	0
elementi solaio	48
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-261.50
Xmax =	261.50
Ymin =	-811.30
Ymax =	2041.30
Zmin =	0.00
Zmax =	253.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO

Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

Modellazione delle azioni

Si veda il capitolo **"Schematizzazione dei casi di carico"** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte "*2.6. Azioni di progetto sulla costruzione*".

Combinazioni e/o percorsi di carico

Si veda il capitolo **"Definizione delle combinazioni"** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	SI
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la compresione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

- periodi dei modi di vibrare della struttura

- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e inviluppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.
Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l' elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

Verifiche agli stati limite ultimi

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle

verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

Verifiche agli stati limite di esercizio

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

RELAZIONE SUI MATERIALI

Il capitolo Materiali riportata informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

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.

NOTA il capitolo "normativa di riferimento": 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 norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edifico esistente.

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 ni
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	Coefficinete 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 cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>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 fvlim	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 (tipicamente 0.4)
	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)

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
		N/mm2	N/mm2	N/mm2		N/mm2	N/mm3		
11	Acciaio Fe360 - S235-acciaio Fe360-S235			2.100e+05	0.30	8.077e+04	7.85e-05	1.20e-05	
	Tensione ft	360.0							
	Resistenza fd	235.0							
	Resistenza fd (>40)	210.0							
	Tensione ammissibile	160.0							
	Tensione ammissibile (>40)	140.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

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					

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
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					

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO					
Af inf: da traliccio	SI					
Consenti armatura a taglio	NO					
Incrementa armatura longitudinale per taglio	SI					
Af inf: da q*L*L /	20.00					
Incremento fascia piena [cm]	5.00					
Armatura						
Minima tesa	0.15					
Massima tesa	3.00					
Minima compressa	0.0					
Af/h [cm]	7.000e-02					
Stati limite ultimi						
Tensione fy [N/mm2]	450.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di ridistribuzione	0.0					
Tensioni ammissibili						
Tensione amm. cls [N/mm2]	8.50					
Tensione amm. acciaio [N/mm2]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Verifica freccia						
Infinita	250.00					
Istantanea	500.00					
Fattore viscosità	3.00					
Usa J non fessurato	NO					
Elementi non strutturali						
Tamponatura antiespulsione	NO					
Tamponatura con armatura	NO					
Fattore di struttura/comportamento	2.00					
Coefficiente gamma m	0.0					

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Periodo Ta	0.0					
Altezza pannello	0.0					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

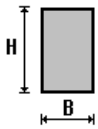
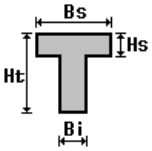
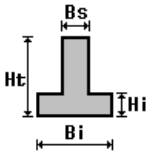
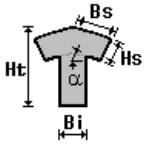
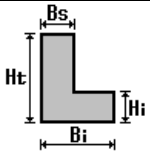
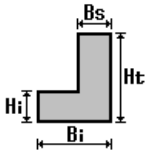
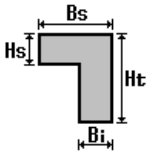
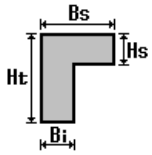
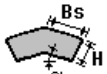
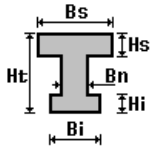
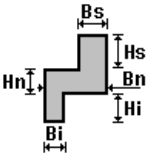
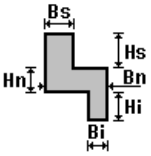
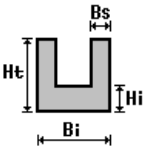
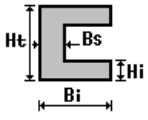
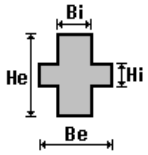
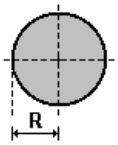
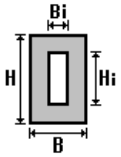
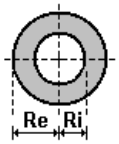
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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 profilatari.

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	HEA 120	25.30	0.0	0.0	6.00	231.00	606.00	38.50	106.30	58.90	119.50
2	profilo OMG100x60x30x4.0 (Section Maker)	11.71	0.0	0.0	0.62	103.61	151.70	18.50	30.34	32.79	37.75
3	profilo Q150x6.3 (Section Maker)	34.72	0.0	0.0	1916.80	1167.19	1167.19	155.63	155.63	184.24	184.24

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	0.0	0.0	253.0	3	0.0	615.0	253.0	6	0.0	1230.0	253.0
7	0.0	1880.5	253.0	9	0.0	-650.5	253.0	11	261.5	1701.1	253.0
12	261.5	1814.5	253.0	13	-261.5	1814.5	253.0	14	0.0	1814.5	253.0
15	0.0	2041.3	253.0	16	261.5	-811.3	253.0	17	0.0	1927.9	253.0
18	-261.5	1927.9	253.0	19	0.0	1701.1	253.0	20	-261.5	1701.1	253.0
21	-261.5	17.5	253.0	22	261.5	17.5	253.0	23	-261.5	-17.5	253.0
24	261.5	-17.5	253.0	25	0.0	-17.5	253.0	26	0.0	17.5	253.0
27	0.0	-130.9	253.0	28	261.5	-130.9	253.0	29	-261.5	-130.9	253.0
30	261.5	1927.9	253.0	31	261.5	2041.3	253.0	32	261.5	-244.3	253.0
33	-261.5	-244.3	253.0	34	0.0	-244.3	253.0	35	0.0	-357.7	253.0
36	-261.5	-357.7	253.0	37	261.5	-357.7	253.0	38	261.5	-471.1	253.0
39	-261.5	-471.1	253.0	40	0.0	-471.1	253.0	41	0.0	-584.5	253.0
42	-261.5	-584.5	253.0	43	261.5	-584.5	253.0	44	261.5	-697.9	253.0
45	-261.5	-697.9	253.0	46	0.0	-697.9	253.0	47	0.0	-811.3	253.0
48	-261.5	-811.3	253.0	49	0.0	130.9	253.0	50	261.5	130.9	253.0
51	-261.5	130.9	253.0	52	-261.5	244.3	253.0	53	261.5	244.3	253.0
54	0.0	244.3	253.0	55	0.0	357.7	253.0	56	261.5	357.7	253.0
57	-261.5	357.7	253.0	58	-261.5	471.1	253.0	59	261.5	471.1	253.0
60	0.0	471.1	253.0	61	0.0	584.5	253.0	62	261.5	584.5	253.0
63	-261.5	584.5	253.0	64	0.0	645.5	253.0	65	-261.5	645.5	253.0

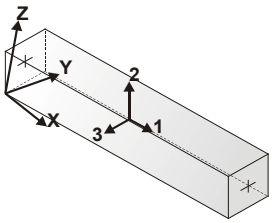
66	261.5	645.5	253.0	67	261.5	758.9	253.0	68	-261.5	758.9	253.0
69	0.0	758.9	253.0	70	0.0	872.3	253.0	71	-261.5	872.3	253.0
72	261.5	872.3	253.0	73	261.5	985.7	253.0	74	-261.5	985.7	253.0
75	0.0	985.7	253.0	76	0.0	1099.1	253.0	77	-261.5	1099.1	253.0
78	261.5	1099.1	253.0	79	261.5	1212.5	253.0	80	-261.5	1212.5	253.0
81	0.0	1212.5	253.0	82	0.0	1247.5	253.0	83	-261.5	2041.3	253.0
84	-261.5	1247.5	253.0	85	261.5	1247.5	253.0	86	261.5	1360.9	253.0
87	-261.5	1360.9	253.0	88	0.0	1360.9	253.0	89	0.0	1474.3	253.0
90	-261.5	1474.3	253.0	91	261.5	1474.3	253.0	92	261.5	1587.7	253.0
93	-261.5	1587.7	253.0	94	0.0	1587.7	253.0				

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	0.0	0.0	0.0	v=111111						
4	0.0	615.0	0.0	v=111111						
5	0.0	1230.0	0.0	v=111111						
8	0.0	1880.5	0.0	v=111111						
10	0.0	-650.5	0.0	v=111111						

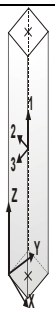
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

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.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

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.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
							gradi			daN/cm3	daN/cm3
1	Pilas.	1	2	11	1	1					
2	Pilas.	4	3	11	1	1					
3	Pilas.	5	6	11	1	1					
4	Pilas.	8	7	11	1	1					
5	Pilas.	10	9	11	1	1					
6	Trave	94	19	11	3	1					
7	Trave	14	7	11	3	1					
8	Trave	2	26	11	3	1					
9	Trave	3	64	11	3	1					
10	Trave	6	82	11	3	1					
11	Trave	7	17	11	3	1					
12	Trave	46	9	11	3	1					
13	Trave	23	25	11	2	1	180.00				
14	Trave	25	24	11	2	1	180.00				
15	Trave	21	26	11	2	1	180.00				
16	Trave	26	22	11	2	1	180.00				
17	Trave	25	2	11	3	1					
18	Trave	26	49	11	3	1					
19	Trave	27	28	11	2	1	180.00				
20	Trave	29	27	11	2	1	180.00				
21	Trave	19	14	11	3	1					
22	Trave	17	15	11	3	1					
23	Trave	34	32	11	2	1	180.00				
24	Trave	33	34	11	2	1	180.00				
25	Trave	36	35	11	2	1	180.00				
26	Trave	35	37	11	2	1	180.00				
27	Trave	40	38	11	2	1	180.00				
28	Trave	39	40	11	2	1	180.00				
29	Trave	42	41	11	2	1	180.00				
30	Trave	41	43	11	2	1	180.00				
31	Trave	46	44	11	2	1	180.00				
32	Trave	45	46	11	2	1	180.00				
33	Trave	48	47	11	2	1	180.00				
34	Trave	47	16	11	2	1	180.00				
35	Trave	47	46	11	3	1					
36	Trave	49	50	11	2	1	180.00				
37	Trave	51	49	11	2	1	180.00				
38	Trave	52	54	11	2	1	180.00				
39	Trave	54	53	11	2	1	180.00				
40	Trave	55	56	11	2	1	180.00				
41	Trave	57	55	11	2	1	180.00				
42	Trave	58	60	11	2	1	180.00				
43	Trave	60	59	11	2	1	180.00				
44	Trave	61	62	11	2	1	180.00				
45	Trave	63	61	11	2	1	180.00				
46	Trave	64	69	11	3	1					
47	Trave	65	64	11	2	1	180.00				
48	Trave	64	66	11	2	1	180.00				
49	Trave	69	67	11	2	1	180.00				
50	Trave	68	69	11	2	1	180.00				
51	Trave	71	70	11	2	1	180.00				
52	Trave	70	72	11	2	1	180.00				
53	Trave	75	73	11	2	1	180.00				
54	Trave	74	75	11	2	1	180.00				
55	Trave	77	76	11	2	1	180.00				
56	Trave	76	78	11	2	1	180.00				
57	Trave	81	79	11	2	1	180.00				
58	Trave	80	81	11	2	1	180.00				
59	Trave	82	88	11	3	1					
60	Trave	84	82	11	2	1	180.00				
61	Trave	82	85	11	2	1	180.00				
62	Trave	88	86	11	2	1	180.00				
63	Trave	87	88	11	2	1	180.00				
64	Trave	90	89	11	2	1	180.00				
65	Trave	89	91	11	2	1	180.00				
66	Trave	94	92	11	2	1	180.00				
67	Trave	93	94	11	2	1	180.00				
68	Trave	20	19	11	2	1	180.00				
69	Trave	19	11	11	2	1	180.00				
70	Trave	14	12	11	2	1	180.00				
71	Trave	13	14	11	2	1	180.00				
72	Trave	18	17	11	2	1	180.00				
73	Trave	17	30	11	2	1	180.00				

74	Trave	15	31	11	2	1	180.00
75	Trave	83	15	11	2	1	180.00
76	Trave	27	25	11	3	1	
77	Trave	34	27	11	3	1	
78	Trave	35	34	11	3	1	
79	Trave	61	3	11	3	1	
80	Trave	81	6	11	3	1	
81	Trave	9	41	11	3	1	
82	Trave	41	40	11	3	1	
83	Trave	40	35	11	3	1	
84	Trave	49	54	11	3	1	
85	Trave	54	55	11	3	1	
86	Trave	55	60	11	3	1	
87	Trave	60	61	11	3	1	
88	Trave	69	70	11	3	1	
89	Trave	70	75	11	3	1	
90	Trave	75	76	11	3	1	
91	Trave	76	81	11	3	1	
92	Trave	88	89	11	3	1	
93	Trave	89	94	11	3	1	

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.
Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.
L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.
I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.
L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

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
Tipo	codice di comportamento ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali

Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di

Vigilanza sulle Costruzioni, Provincia di Terni).
Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.
Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		kN/ m2	kN/ m2	kN/ m2							
1	Neve	1.00e-02	0.13	0.86		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						kN/ m2	kN/ m2	kN/ m2					
1	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	47	46	45	48	
2	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	46	9	41	42	45
3	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	41	40	39	42	
4	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	40	35	36	39	
5	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	35	34	33	36	
6	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	34	27	29	33	
7	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	27	25	23	29	
8	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	21	26	49	51	
9	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	51	49	54	52	
10	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	52	54	55	57	
11	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	57	55	60	58	
12	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	58	60	61	63	
13	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	65	64	69	68	

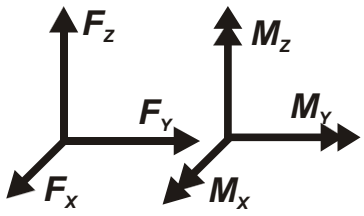
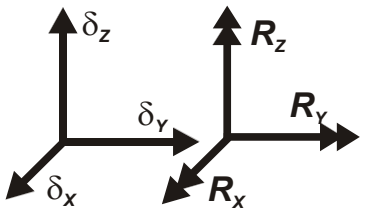
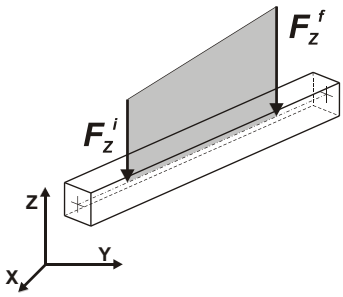
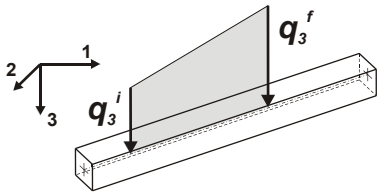
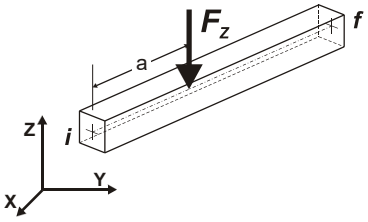
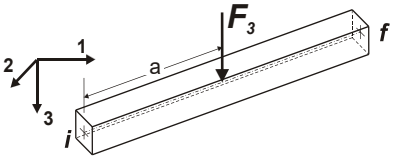
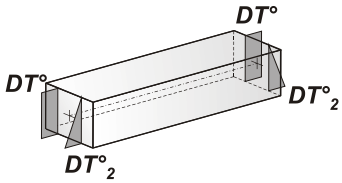
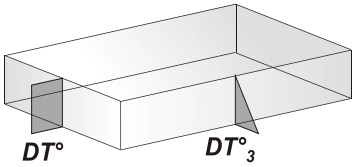
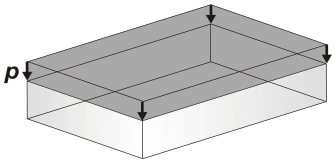
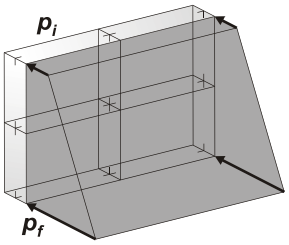
14	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	68	69	70	71	
15	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	71	70	75	74	
16	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	74	75	76	77	
17	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	77	76	81	80	
18	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	84	82	88	87	
19	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	87	88	89	90	
20	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	90	89	94	93	
21	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	93	94	19	20	
22	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	20	19	14	13	
23	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	13	14	7	17	18
24	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	18	17	15	83	
25	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	17	30	31	15	
26	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	7	14	12	30	17
27	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	19	11	12	14	
28	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	94	92	11	19	
29	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	89	91	92	94	
30	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	88	86	91	89	
31	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	82	85	86	88	
32	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	76	78	79	81	
33	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	75	73	78	76	
34	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	70	72	73	75	
35	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	69	67	72	70	
36	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	64	66	67	69	
37	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	60	59	62	61	
38	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	55	56	59	60	
39	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	54	53	56	55	
40	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	49	50	53	54	
41	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	26	22	50	49	
42	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	27	28	24	25	
43	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	34	32	28	27	
44	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	35	37	32	34	
45	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	40	38	37	35	
46	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	41	43	38	40	
47	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	46	44	43	41	
48	CM	1	m=11	3.0	90.0	1.00e-02	0.13	0.86	47	16	44	46	

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 Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, 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
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
1	Vento cF<0-DG:Fzi=1.29 Fzf=1.29	0.0	0.0	0.0	1.29	0.0	0.0	0.0
		0.0	0.0	0.0	1.29	0.0	0.0	0.0
2	Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19	0.0	0.0	0.0	-0.19	0.0	0.0	0.0
		0.0	0.0	0.0	-0.19	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.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qnk	CDC=Qnk (carico da neve)	
5	Qk	CDC=Qk (carico da vento) +X, cF<0	Azioni applicate:
			D2 :da 13 a 16 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29

CDC	Tipo	Sigla Id	Note
			D2 :da 19 a 20 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29
			D2 :da 23 a 34 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29
			D2 :da 36 a 45 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29
			D2 :da 47 a 58 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29
			D2 :da 60 a 75 Azione : Vento cF<0-DG:Fzi=1.29 Fzf=1.29
6	Qk	CDC=Qk (carico da vento) +X, cF>0	Azioni applicate:
			D2 :da 13 a 16 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
			D2 :da 19 a 20 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
			D2 :da 23 a 34 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
			D2 :da 36 a 45 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
			D2 :da 47 a 58 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
			D2 :da 60 a 75 Azione : Vento cF>0-DG:Fzi=-0.19 Fzf=-0.19
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qnk (carico da neve)
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qnk (carico da neve)
			partecipazione:0.80 per 6 CDC=Qk (carico da vento) +X, cF>0
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qnk (carico da neve)
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

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*

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

***Combinazione caratteristica** (rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

***Combinazione frequente** SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione quasi permanente** SLE*

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

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

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

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

$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
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 <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*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 γf	***EQU***	***A1***	***A2***

Carichi permanenti	*Favorevoli*	*$\gamma G1$*	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli*	*$\gamma G2$*	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*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	SLU	Comb. SLU A1 12	
12	T.AMM.	Combinazione 12 da definire	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 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	SLE(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLE(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLE(sis)	Comb. SLE (SLD Danno 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	
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	

Cmb	Tipo	Sigla Id	effetto P-delta
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(r)	Comb. SLE(rara) 77	
78	SLE(r)	Comb. SLE(rara) 78	
79	SLE(r)	Comb. SLE(rara) 79	
80	SLE(r)	Comb. SLE(rara) 80	
81	SLE(r)	Comb. SLE(rara) 81	
82	SLE(r)	Comb. SLE(rara) 82	
83	SLE(f)	Comb. SLE(freq.) 83	
84	SLE(f)	Comb. SLE(freq.) 84	
85	SLE(f)	Comb. SLE(freq.) 85	
86	SLE(f)	Comb. SLE(freq.) 86	
87	SLE(p)	Comb. SLE(perm.) 87	

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	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.30	1.30	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1.00	1.00	0.80	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.30	1.30	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1.00	1.00	0.80	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.00	1.00	0.80	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.30	1.30	1.50	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.00	1.00	1.00	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
14	1.00	1.00	1.00	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
15	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
16	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
17	1.00	1.00	1.00	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
18	1.00	1.00	1.00	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
19	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
20	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
21	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0
22	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0
23	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0
24	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0
25	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
26	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
27	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
28	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
29	1.00	1.00	1.00	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
30	1.00	1.00	1.00	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
31	1.00	1.00	1.00	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
32	1.00	1.00	1.00	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
33	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0
34	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0
35	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0
36	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0
37	1.00	1.00	1.00	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
38	1.00	1.00	1.00	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	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...
39	1.00	1.00	1.00	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
40	1.00	1.00	1.00	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
41	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
42	1.00	1.00	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
43	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
44	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
45	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
46	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
47	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
48	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
49	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30
50	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30
51	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30
52	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30
53	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0
54	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0
55	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0
56	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0
57	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
58	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
59	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
60	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
61	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
62	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
63	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
64	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
65	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0
66	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0
67	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0
68	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0
69	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00
70	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00
71	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00
72	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00
73	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00
74	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
75	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00
76	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
77	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	1.00	1.00	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	1.00	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	1.00	1.00	1.00	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: 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 Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	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 = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td 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, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

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 riportane nella seguente Tabella

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

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, Sve, è definito dalle espressioni:

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

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.	13.881	37.456	
48291	13.867	37.434	2.884
48292	13.930	37.434	4.971
48070	13.930	37.484	5.205
48069	13.868	37.484	3.238

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.4	0.042	2.525	0.322
SLD	63.0	201.2	0.051	2.551	0.350
SLV	10.0	1898.2	0.097	2.761	0.508
SLC	5.0	2475.0	0.104	2.791	0.529

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.042	1.500	2.525	0.700	0.164	0.491	1.769
SLD	0.051	1.500	2.551	0.775	0.173	0.520	1.803
SLV	0.097	1.500	2.761	1.160	0.222	0.667	1.988
SLC	0.104	1.500	2.791	1.215	0.228	0.685	2.016

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. Edkcaso 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	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	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/qND 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 riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell'ordinata dello spettro in uso nel tratto costante
numero di modi considerati	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 qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=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/Ls (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/Ls (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 etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.

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 A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
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 (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	

CDC	Tipo	Sigla Id	Note
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.401 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.588 sec.
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	0.0	-1.43	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.700	0.588	0.401	14.66	34.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1.954	0.512	0.401	0.01	3.09e-02	0.0	0.0	0.0	0.0	0.0	0.0
3	2.486	0.402	0.401	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.982	0.335	0.401	0.0	0.0	41.77	98.5	0.0	0.0	0.0	0.0
5	3.313	0.302	0.401	0.03	6.44e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	3.906	0.256	0.401	1.43	3.4	0.0	0.0	0.0	0.0	0.0	0.0
7	4.049	0.247	0.401	0.02	3.82e-02	0.0	0.0	0.0	0.0	0.0	0.0
8	4.385	0.228	0.401	13.51	31.8	0.0	0.0	0.0	0.0	0.0	0.0
9	4.606	0.217	0.396	2.62	6.2	0.0	0.0	0.0	0.0	0.0	0.0
10	4.685	0.213	0.391	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.386	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.377	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.247	0.191	0.365	0.37	0.9	0.0	0.0	0.0	0.0	0.0	0.0
14	5.282	0.189	0.364	0.50	1.2	0.0	0.0	0.0	0.0	0.0	0.0
15	5.287	0.189	0.363	1.10	2.6	0.0	0.0	0.0	0.0	0.0	0.0
16	5.457	0.183	0.357	1.65	3.9	0.0	0.0	0.0	0.0	0.0	0.0
17	5.550	0.180	0.353	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.689	0.176	0.348	0.85	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19	5.797	0.172	0.344	1.52	3.6	0.0	0.0	0.0	0.0	0.0	0.0
20	5.875	0.170	0.342	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
21	6.032	0.166	0.337	0.99	2.3	0.0	0.0	0.0	0.0	0.0	0.0
22	6.233	0.160	0.330	0.0	0.0	0.08	0.2	0.0	1.12e-06	0.0	0.0
23	6.236	0.160	0.330	0.0	0.0	0.0	0.0	1.38	3.2	0.0	0.0
24	6.299	0.159	0.328	1.08e-03	2.55e-03	1.34e-03	3.16e-03	6.51e-04	1.54e-03	0.0	0.0
25	6.314	0.158	0.328	1.87e-04	4.41e-04	4.83e-05	1.14e-04	0.11	0.3	0.0	0.0
26	6.318	0.158	0.328	0.76	1.8	5.73e-06	1.35e-05	9.05e-06	2.13e-05	0.0	0.0
27	6.340	0.158	0.327	2.48e-04	5.83e-04	3.19e-03	7.53e-03	0.02	3.95e-02	0.0	0.0
28	6.348	0.158	0.327	0.0	0.0	3.30e-05	7.78e-05	2.02	4.8	0.0	0.0
29	6.358	0.157	0.327	1.60e-06	3.78e-06	3.29e-06	7.75e-06	1.53	3.6	0.0	0.0
30	6.491	0.154	0.323	4.02e-04	9.47e-04	0.0	1.82e-06	1.84e-06	4.33e-06	0.0	0.0
31	6.821	0.147	0.314	2.15	5.1	0.0	0.0	0.0	0.0	0.0	0.0
32	6.977	0.143	0.311	0.12	0.3	0.0	0.0	0.0	0.0	0.0	0.0
33	7.073	0.141	0.308	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
34	7.079	0.141	0.308	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
35	7.662	0.131	0.296	0.01	3.03e-02	0.0	0.0	0.0	0.0	0.0	0.0
36	7.690	0.130	0.295	0.0	0.0	9.45e-04	2.23e-03	3.59e-04	8.45e-04	0.0	0.0
37	7.695	0.130	0.295	0.0	0.0	1.90e-05	4.49e-05	0.82	1.9	0.0	0.0
38	7.696	0.130	0.295	0.0	0.0	6.32e-06	1.49e-05	1.86	4.4	0.0	0.0
39	7.712	0.130	0.295	0.0	0.0	6.29e-05	1.48e-04	6.30e-05	1.49e-04	0.0	0.0
40	10.325	0.097	0.257	0.0	0.0	0.01	3.23e-02	0.0	0.0	0.0	0.0
41	10.725	0.093	0.253	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
42	12.442	0.080	0.238	0.0	0.0	0.02	4.01e-02	0.0	0.0	0.0	0.0
43	14.893	0.067	0.223	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
44	19.241	0.052	0.205	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
45	19.471	0.051	0.205	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
46	30.785	0.032	0.183	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
47	32.959	0.030	0.180	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
48	39.543	0.025	0.175	0.0	0.0	3.16e-05	7.45e-05	1.46e-05	3.44e-05	0.0	0.0
49	45.577	0.022	0.171	0.0	0.0	0.0	0.0	0.05	0.1	0.0	0.0
50	68.276	0.015	0.162	0.0	0.0	0.0	0.0	1.64e-05	3.87e-05	0.0	0.0
51	71.786	0.014	0.161	0.0	0.0	0.0	0.0	2.72	6.4	0.0	0.0
52	106.560	0.009	0.156	0.0	0.0	6.62e-04	1.56e-03	2.74e-05	6.45e-05	0.0	0.0
53	139.250	0.007	0.154	0.0	0.0	0.0	0.0	1.93e-04	4.56e-04	0.0	0.0
54	153.920	0.006	0.153	0.0	0.0	0.0	0.0	5.77	13.6	0.0	0.0
Risulta				42.42		42.42		41.75			
In percentuale				100.00		100.00		98.42			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.401 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.588 sec.
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	0.0	1.43	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.700	0.588	0.401	14.66	34.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1.954	0.512	0.401	0.01	3.09e-02	0.0	0.0	0.0	0.0	0.0	0.0
3	2.486	0.402	0.401	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.982	0.335	0.401	0.0	0.0	41.77	98.5	0.0	0.0	0.0	0.0
5	3.313	0.302	0.401	0.03	6.44e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	3.906	0.256	0.401	1.43	3.4	0.0	0.0	0.0	0.0	0.0	0.0
7	4.049	0.247	0.401	0.02	3.82e-02	0.0	0.0	0.0	0.0	0.0	0.0
8	4.385	0.228	0.401	13.51	31.8	0.0	0.0	0.0	0.0	0.0	0.0
9	4.606	0.217	0.396	2.62	6.2	0.0	0.0	0.0	0.0	0.0	0.0
10	4.685	0.213	0.391	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.386	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.377	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.248	0.191	0.365	0.39	0.9	0.0	0.0	0.0	0.0	0.0	0.0
14	5.285	0.189	0.364	1.55	3.6	0.0	0.0	0.0	0.0	0.0	0.0
15	5.399	0.185	0.359	0.29	0.7	0.0	0.0	0.0	0.0	0.0	0.0
16	5.471	0.183	0.356	1.48	3.5	0.0	0.0	0.0	0.0	0.0	0.0
17	5.550	0.180	0.353	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.745	0.174	0.346	1.94	4.6	0.0	0.0	0.0	0.0	0.0	0.0
19	5.875	0.170	0.342	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
20	5.919	0.169	0.340	0.63	1.5	0.0	0.0	0.0	0.0	0.0	0.0
21	6.054	0.165	0.336	0.72	1.7	0.0	0.0	0.0	0.0	0.0	0.0
22	6.233	0.160	0.330	1.87e-06	4.41e-06	0.08	0.2	5.17e-06	1.22e-05	0.0	0.0
23	6.236	0.160	0.330	0.0	0.0	0.0	0.0	1.38	3.2	0.0	0.0
24	6.301	0.159	0.328	9.95e-03	2.35e-02	1.24e-03	2.93e-03	6.53e-03	1.54e-02	0.0	0.0
25	6.313	0.158	0.328	8.34e-03	1.97e-02	3.37e-04	7.94e-04	0.09	0.2	0.0	0.0
26	6.319	0.158	0.328	0.73	1.7	6.38e-05	1.50e-04	1.90e-04	4.49e-04	0.0	0.0
27	6.341	0.158	0.327	1.49e-03	3.52e-03	2.74e-03	6.46e-03	0.11	0.3	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
28	6.347	0.158	0.327	0.0	1.43e-06	2.09e-04	4.93e-04	1.59	3.7	0.0	0.0
29	6.357	0.157	0.327	3.00e-05	7.06e-05	6.81e-06	1.60e-05	1.88	4.4	0.0	0.0
30	6.821	0.147	0.314	2.15	5.1	0.0	0.0	0.0	0.0	0.0	0.0
31	6.976	0.143	0.311	0.12	0.3	0.0	0.0	0.0	0.0	0.0	0.0
32	7.073	0.141	0.308	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
33	7.079	0.141	0.308	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
34	7.652	0.131	0.296	6.25e-05	1.47e-04	1.94e-05	4.57e-05	1.90e-05	4.49e-05	0.0	0.0
35	7.662	0.131	0.296	0.01	3.02e-02	0.0	0.0	0.0	0.0	0.0	0.0
36	7.692	0.130	0.295	0.0	0.0	7.69e-04	1.81e-03	0.01	2.67e-02	0.0	0.0
37	7.694	0.130	0.295	0.0	0.0	2.39e-04	5.63e-04	0.19	0.4	0.0	0.0
38	7.696	0.130	0.295	0.0	0.0	5.62e-06	1.33e-05	2.48	5.8	0.0	0.0
39	10.325	0.097	0.257	0.0	0.0	0.01	3.23e-02	0.0	0.0	0.0	0.0
40	10.725	0.093	0.253	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
41	11.691	0.086	0.244	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	12.442	0.080	0.238	0.0	0.0	0.02	4.01e-02	0.0	0.0	0.0	0.0
43	14.893	0.067	0.223	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
44	19.241	0.052	0.205	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
45	19.471	0.051	0.205	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
46	30.785	0.032	0.183	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
47	32.904	0.030	0.180	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
48	39.811	0.025	0.174	0.0	0.0	3.10e-05	7.30e-05	6.86e-05	1.62e-04	0.0	0.0
49	42.754	0.023	0.172	0.0	0.0	0.0	0.0	0.03	7.49e-02	0.0	0.0
50	63.736	0.016	0.163	0.0	0.0	0.0	0.0	0.10	0.2	0.0	0.0
51	71.498	0.014	0.161	0.0	0.0	0.0	0.0	2.54	6.0	0.0	0.0
52	98.159	0.010	0.157	0.0	0.0	0.0	0.0	0.16	0.4	0.0	0.0
53	106.660	0.009	0.156	0.0	0.0	6.62e-04	1.56e-03	8.92e-05	2.10e-04	0.0	0.0
54	153.744	0.007	0.153	0.0	0.0	0.0	0.0	5.68	13.4	0.0	0.0
Risulta				42.42		42.42		41.72			
In percentuale				100.00		100.00		98.35			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.401 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.415 sec.
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	64.68	0.0	6.15	0.26	0.0	0.0	6.15	1.130	0.0	0.0
Risulta	64.68									

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	kN		kN		kN			
1	1.345	0.743	0.360	20.47	31.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1.535	0.652	0.401	0.0	0.0	0.05	7.08e-02	0.0	0.0	0.0	0.0
3	1.948	0.513	0.401	0.14	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.412	0.415	0.401	0.0	0.0	62.85	97.2	0.0	0.0	0.0	0.0
5	2.586	0.387	0.401	0.0	0.0	0.63	1.0	0.0	0.0	0.0	0.0
6	3.067	0.326	0.401	1.23	1.9	0.0	0.0	0.0	0.0	0.0	0.0
7	3.170	0.315	0.401	0.0	0.0	0.01	2.17e-02	0.0	0.0	0.0	0.0
8	3.525	0.284	0.401	23.09	35.7	0.0	0.0	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
9	3.592	0.278	0.401	0.0	0.0	2.30e-04	3.55e-04	0.0	0.0	0.0	0.0
10	3.643	0.274	0.401	0.62	1.0	0.0	0.0	0.0	0.0	0.0	0.0
11	3.818	0.262	0.401	0.0	0.0	0.56	0.9	0.0	0.0	0.0	0.0
12	3.946	0.253	0.401	0.0	0.0	0.0	0.0	3.11	4.8	0.0	0.0
13	4.108	0.243	0.401	3.41	5.3	0.0	0.0	0.0	0.0	0.0	0.0
14	4.114	0.243	0.401	0.0	0.0	8.27e-04	1.28e-03	0.0	0.0	0.0	0.0
15	4.206	0.238	0.401	0.0	0.0	1.54e-03	2.38e-03	0.0	0.0	0.0	0.0
16	4.263	0.235	0.401	4.37	6.8	0.0	0.0	0.0	0.0	0.0	0.0
17	4.388	0.228	0.401	0.0	0.0	0.13	0.2	0.0	0.0	0.0	0.0
18	4.476	0.223	0.401	4.47e-04	6.92e-04	2.21e-03	3.42e-03	0.0	0.0	0.0	0.0
19	4.487	0.223	0.401	4.92	7.6	0.0	0.0	0.0	0.0	0.0	0.0
20	4.531	0.221	0.400	0.55	0.8	0.0	1.33e-06	0.0	0.0	0.0	0.0
21	4.608	0.217	0.396	8.30e-04	1.28e-03	6.96e-04	1.08e-03	0.0	0.0	0.0	0.0
22	4.639	0.216	0.394	0.0	0.0	0.0	0.0	12.23	18.9	0.0	0.0
23	4.664	0.214	0.393	0.18	0.3	7.59e-06	1.17e-05	0.0	0.0	0.0	0.0
24	4.701	0.213	0.391	0.42	0.7	1.57e-06	2.44e-06	0.0	0.0	0.0	0.0
25	4.802	0.208	0.385	0.92	1.4	0.0	0.0	0.0	0.0	0.0	0.0
26	4.861	0.206	0.383	1.69e-06	2.61e-06	0.02	3.52e-02	1.26e-05	1.94e-05	0.0	0.0
27	4.907	0.204	0.380	0.0	0.0	3.59e-05	5.56e-05	4.19	6.5	0.0	0.0
28	4.916	0.203	0.380	0.0	0.0	0.16	0.2	1.37e-03	2.13e-03	0.0	0.0
29	4.978	0.201	0.377	0.0	0.0	5.07e-04	7.85e-04	0.28	0.4	0.0	0.0
30	5.002	0.200	0.376	0.0	0.0	2.07e-04	3.20e-04	1.81	2.8	0.0	0.0
31	5.015	0.199	0.375	0.0	0.0	2.58e-05	3.98e-05	4.12	6.4	0.0	0.0
32	5.057	0.198	0.373	4.34	6.7	0.0	0.0	0.0	0.0	0.0	0.0
33	5.231	0.191	0.366	0.0	0.0	0.0	0.0	3.19	4.9	0.0	0.0
34	5.233	0.191	0.366	0.0	0.0	0.10	0.1	5.39e-06	8.34e-06	0.0	0.0
35	5.409	0.185	0.359	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	5.599	0.179	0.351	0.0	0.0	1.95e-03	3.01e-03	4.63e-04	7.16e-04	0.0	0.0
37	5.601	0.179	0.351	0.0	0.0	1.11e-05	1.72e-05	1.29	2.0	0.0	0.0
38	5.602	0.179	0.351	0.0	0.0	2.19e-06	3.39e-06	3.68	5.7	0.0	0.0
39	5.882	0.170	0.341	6.52e-03	1.01e-02	0.0	0.0	0.0	0.0	0.0	0.0
40	8.500	0.118	0.281	0.0	0.0	0.03	5.00e-02	0.0	0.0	0.0	0.0
41	8.807	0.114	0.276	0.0	0.0	0.0	0.0	0.79	1.2	0.0	0.0
42	10.316	0.097	0.257	0.0	0.0	0.03	4.74e-02	0.0	0.0	0.0	0.0
43	12.394	0.081	0.238	0.0	0.0	0.0	0.0	5.08	7.9	0.0	0.0
44	15.336	0.065	0.221	0.0	0.0	0.08	0.1	0.0	0.0	0.0	0.0
45	15.580	0.064	0.219	0.0	0.0	0.0	0.0	11.69	18.1	0.0	0.0
46	25.745	0.039	0.190	0.0	0.0	0.02	3.21e-02	0.0	0.0	0.0	0.0
47	27.449	0.036	0.187	0.0	0.0	0.0	0.0	0.06	9.66e-02	0.0	0.0
48	32.030	0.031	0.181	0.0	0.0	0.0	1.21e-06	0.02	2.50e-02	0.0	0.0
49	46.136	0.022	0.170	0.0	0.0	1.07e-06	1.66e-06	0.20	0.3	0.0	0.0
50	61.645	0.016	0.164	0.0	0.0	0.0	1.03e-06	3.96	6.1	0.0	0.0
51	84.030	0.012	0.159	0.0	0.0	9.31e-04	1.44e-03	8.19e-03	1.27e-02	0.0	0.0
52	94.341	0.011	0.158	0.0	0.0	0.0	0.0	1.02e-03	1.58e-03	0.0	0.0
53	131.611	0.008	0.154	0.0	0.0	0.0	0.0	8.30	12.8	0.0	0.0
54	647.406	0.002	0.147	0.0	0.0	0.0	0.0	1.23e-03	1.90e-03	0.0	0.0
Risulta				64.68		64.68		64.00			
In percentuale				100.00		100.00		98.95			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.401 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.335 sec.
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	-0.26	0.0	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.709	0.585	0.401	14.37	33.9	0.0	0.0	0.0	0.0	0.0	0.0
2	1.947	0.514	0.401	0.0	0.0	0.03	8.19e-02	0.0	0.0	0.0	0.0
3	2.483	0.403	0.401	0.09	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.981	0.335	0.401	0.0	0.0	41.54	97.9	0.0	0.0	0.0	0.0
5	3.315	0.302	0.401	0.0	0.0	0.18	0.4	0.0	0.0	0.0	0.0
6	3.925	0.255	0.401	1.19	2.8	0.0	0.0	0.0	0.0	0.0	0.0
7	4.030	0.248	0.401	0.0	0.0	9.31e-03	2.19e-02	0.0	0.0	0.0	0.0
8	4.436	0.225	0.401	16.73	39.4	0.0	0.0	0.0	0.0	0.0	0.0
9	4.559	0.219	0.398	0.0	0.0	9.39e-05	2.21e-04	0.0	0.0	0.0	0.0
10	4.678	0.214	0.392	7.87e-03	1.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.386	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.377	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.250	0.190	0.365	0.58	1.4	0.0	0.0	0.0	0.0	0.0	0.0
14	5.315	0.188	0.362	0.0	0.0	1.17e-04	2.75e-04	0.0	0.0	0.0	0.0
15	5.381	0.186	0.360	0.0	0.0	5.26e-04	1.24e-03	0.0	0.0	0.0	0.0
16	5.483	0.182	0.356	4.21	9.9	0.0	0.0	0.0	0.0	0.0	0.0
17	5.552	0.180	0.353	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.681	0.176	0.348	2.28	5.4	0.0	0.0	0.0	0.0	0.0	0.0
19	5.724	0.175	0.347	7.60e-04	1.79e-03	2.92e-03	6.89e-03	0.0	0.0	0.0	0.0
20	5.750	0.174	0.346	0.19	0.5	1.19e-05	2.80e-05	0.0	0.0	0.0	0.0
21	5.867	0.170	0.342	8.10e-03	1.91e-02	1.89e-04	4.46e-04	0.0	0.0	0.0	0.0
22	5.875	0.170	0.342	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
23	5.932	0.169	0.340	0.10	0.2	6.00e-05	1.41e-04	0.0	0.0	0.0	0.0
24	5.964	0.168	0.339	0.10	0.2	2.87e-05	6.76e-05	0.0	0.0	0.0	0.0
25	6.195	0.161	0.331	4.55e-05	1.07e-04	0.03	5.95e-02	0.0	2.34e-06	0.0	0.0
26	6.236	0.160	0.330	0.0	0.0	1.44e-06	3.39e-06	1.38	3.2	0.0	0.0
27	6.254	0.160	0.330	2.46e-03	5.79e-03	0.06	0.1	6.04e-05	1.42e-04	0.0	0.0
28	6.263	0.160	0.329	0.20	0.5	9.68e-04	2.28e-03	1.20e-05	2.83e-05	0.0	0.0
29	6.284	0.159	0.329	0.07	0.2	1.20e-04	2.84e-04	1.14e-04	2.69e-04	0.0	0.0
30	6.316	0.158	0.328	3.43e-05	8.08e-05	1.28e-05	3.01e-05	0.13	0.3	0.0	0.0
31	6.349	0.158	0.327	1.34e-06	3.16e-06	2.05e-06	4.83e-06	2.35	5.5	0.0	0.0
32	6.359	0.157	0.327	0.0	1.82e-06	1.52e-06	3.59e-06	1.20	2.8	0.0	0.0
33	6.826	0.146	0.314	2.27	5.3	0.0	0.0	0.0	0.0	0.0	0.0
34	7.073	0.141	0.308	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
35	7.078	0.141	0.308	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
36	7.434	0.135	0.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	7.626	0.131	0.297	0.01	2.84e-02	0.0	0.0	0.0	0.0	0.0	0.0
38	7.690	0.130	0.295	0.0	0.0	1.04e-03	2.45e-03	2.18e-05	5.15e-05	0.0	0.0
39	7.695	0.130	0.295	0.0	0.0	0.0	1.72e-06	0.95	2.2	0.0	0.0
40	7.696	0.130	0.295	0.0	0.0	0.0	0.0	1.72	4.1	0.0	0.0
41	10.325	0.097	0.257	0.0	0.0	0.01	3.24e-02	0.0	0.0	0.0	0.0
42	10.725	0.093	0.253	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
43	12.442	0.080	0.238	0.0	0.0	0.02	4.02e-02	0.0	0.0	0.0	0.0
44	14.893	0.067	0.223	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
45	19.241	0.052	0.205	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
46	19.471	0.051	0.205	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
47	30.792	0.032	0.183	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
48	32.959	0.030	0.180	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
49	45.594	0.022	0.171	0.0	0.0	0.0	0.0	0.05	0.1	0.0	0.0
50	71.790	0.014	0.161	0.0	0.0	0.0	0.0	2.73	6.4	0.0	0.0
51	99.941	0.010	0.157	0.0	0.0	6.24e-04	1.47e-03	2.11e-05	4.97e-05	0.0	0.0
52	120.068	0.008	0.155	0.0	0.0	0.0	0.0	1.74e-03	4.11e-03	0.0	0.0
53	153.954	0.006	0.153	0.0	0.0	0.0	0.0	5.77	13.6	0.0	0.0
54	734.868	0.001	0.147	0.0	0.0	0.0	0.0	4.14e-03	9.77e-03	0.0	0.0
Risulta				42.42		42.42		41.75			
In percentuale				100.00		100.00		98.43			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	

CDC	Tipo	Sigla Id	Note
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.194 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.588 sec.
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	0.0	-1.43	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.700	0.588	0.172	14.66	34.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1.954	0.512	0.194	0.01	3.09e-02	0.0	0.0	0.0	0.0	0.0	0.0
3	2.486	0.402	0.194	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.982	0.335	0.194	0.0	0.0	41.77	98.5	0.0	0.0	0.0	0.0
5	3.313	0.302	0.194	0.03	6.44e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	3.906	0.256	0.194	1.43	3.4	0.0	0.0	0.0	0.0	0.0	0.0
7	4.049	0.247	0.194	0.02	3.82e-02	0.0	0.0	0.0	0.0	0.0	0.0
8	4.385	0.228	0.194	13.51	31.8	0.0	0.0	0.0	0.0	0.0	0.0
9	4.606	0.217	0.194	2.62	6.2	0.0	0.0	0.0	0.0	0.0	0.0
10	4.685	0.213	0.194	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.194	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.194	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.247	0.191	0.194	0.37	0.9	0.0	0.0	0.0	0.0	0.0	0.0
14	5.282	0.189	0.194	0.50	1.2	0.0	0.0	0.0	0.0	0.0	0.0
15	5.287	0.189	0.194	1.10	2.6	0.0	0.0	0.0	0.0	0.0	0.0
16	5.457	0.183	0.194	1.65	3.9	0.0	0.0	0.0	0.0	0.0	0.0
17	5.550	0.180	0.194	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.689	0.176	0.194	0.85	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19	5.797	0.172	0.194	1.52	3.6	0.0	0.0	0.0	0.0	0.0	0.0
20	5.875	0.170	0.192	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
21	6.032	0.166	0.189	0.99	2.3	0.0	0.0	0.0	0.0	0.0	0.0
22	6.233	0.160	0.185	0.0	0.0	0.08	0.2	0.0	1.12e-06	0.0	0.0
23	6.236	0.160	0.185	0.0	0.0	0.0	0.0	1.38	3.2	0.0	0.0
24	6.299	0.159	0.184	1.08e-03	2.55e-03	1.34e-03	3.16e-03	6.51e-04	1.54e-03	0.0	0.0
25	6.314	0.158	0.184	1.87e-04	4.41e-04	4.83e-05	1.14e-04	0.11	0.3	0.0	0.0
26	6.318	0.158	0.184	0.76	1.8	5.73e-06	1.35e-05	9.05e-06	2.13e-05	0.0	0.0
27	6.340	0.158	0.184	2.48e-04	5.83e-04	3.19e-03	7.53e-03	0.02	3.95e-02	0.0	0.0
28	6.348	0.158	0.183	0.0	0.0	3.30e-05	7.78e-05	2.02	4.8	0.0	0.0
29	6.358	0.157	0.183	1.60e-06	3.78e-06	3.29e-06	7.75e-06	1.53	3.6	0.0	0.0
30	6.491	0.154	0.181	4.02e-04	9.47e-04	0.0	1.82e-06	1.84e-06	4.33e-06	0.0	0.0
31	6.821	0.147	0.176	2.15	5.1	0.0	0.0	0.0	0.0	0.0	0.0
32	6.977	0.143	0.174	0.12	0.3	0.0	0.0	0.0	0.0	0.0	0.0
33	7.073	0.141	0.172	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
34	7.079	0.141	0.172	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
35	7.662	0.131	0.165	0.01	3.03e-02	0.0	0.0	0.0	0.0	0.0	0.0
36	7.690	0.130	0.165	0.0	0.0	9.45e-04	2.23e-03	3.59e-04	8.45e-04	0.0	0.0
37	7.695	0.130	0.165	0.0	0.0	1.90e-05	4.49e-05	0.82	1.9	0.0	0.0
38	7.696	0.130	0.165	0.0	0.0	6.32e-06	1.49e-05	1.86	4.4	0.0	0.0
39	7.712	0.130	0.164	0.0	0.0	6.29e-05	1.48e-04	6.30e-05	1.49e-04	0.0	0.0
40	10.325	0.097	0.142	0.0	0.0	0.01	3.23e-02	0.0	0.0	0.0	0.0
41	10.725	0.093	0.140	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
42	12.442	0.080	0.131	0.0	0.0	0.02	4.01e-02	0.0	0.0	0.0	0.0
43	14.893	0.067	0.122	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
44	19.241	0.052	0.111	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
45	19.471	0.051	0.111	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
46	30.785	0.032	0.098	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
47	32.959	0.030	0.097	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
48	39.543	0.025	0.093	0.0	0.0	3.16e-05	7.45e-05	1.46e-05	3.44e-05	0.0	0.0
49	45.577	0.022	0.091	0.0	0.0	0.0	0.0	0.05	0.1	0.0	0.0
50	68.276	0.015	0.086	0.0	0.0	0.0	0.0	1.64e-05	3.87e-05	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
51	71.786	0.014	0.086	0.0	0.0	0.0	0.0	2.72	6.4	0.0	0.0
52	106.560	0.009	0.082	0.0	0.0	6.62e-04	1.56e-03	2.74e-05	6.45e-05	0.0	0.0
53	139.250	0.007	0.081	0.0	0.0	0.0	0.0	1.93e-04	4.56e-04	0.0	0.0
54	153.920	0.006	0.080	0.0	0.0	0.0	0.0	5.77	13.6	0.0	0.0
Risulta				42.42		42.42		41.75			
In percentuale				100.00		100.00		98.42			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.194 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.588 sec.
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	0.0	1.43	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.700	0.588	0.172	14.66	34.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1.954	0.512	0.194	0.01	3.09e-02	0.0	0.0	0.0	0.0	0.0	0.0
3	2.486	0.402	0.194	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.982	0.335	0.194	0.0	0.0	41.77	98.5	0.0	0.0	0.0	0.0
5	3.313	0.302	0.194	0.03	6.44e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	3.906	0.256	0.194	1.43	3.4	0.0	0.0	0.0	0.0	0.0	0.0
7	4.049	0.247	0.194	0.02	3.82e-02	0.0	0.0	0.0	0.0	0.0	0.0
8	4.385	0.228	0.194	13.51	31.8	0.0	0.0	0.0	0.0	0.0	0.0
9	4.606	0.217	0.194	2.62	6.2	0.0	0.0	0.0	0.0	0.0	0.0
10	4.685	0.213	0.194	0.07	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.194	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.194	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.248	0.191	0.194	0.39	0.9	0.0	0.0	0.0	0.0	0.0	0.0
14	5.285	0.189	0.194	1.55	3.6	0.0	0.0	0.0	0.0	0.0	0.0
15	5.399	0.185	0.194	0.29	0.7	0.0	0.0	0.0	0.0	0.0	0.0
16	5.471	0.183	0.194	1.48	3.5	0.0	0.0	0.0	0.0	0.0	0.0
17	5.550	0.180	0.194	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.745	0.174	0.194	1.94	4.6	0.0	0.0	0.0	0.0	0.0	0.0
19	5.875	0.170	0.192	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
20	5.919	0.169	0.191	0.63	1.5	0.0	0.0	0.0	0.0	0.0	0.0
21	6.054	0.165	0.189	0.72	1.7	0.0	0.0	0.0	0.0	0.0	0.0
22	6.233	0.160	0.185	1.87e-06	4.41e-06	0.08	0.2	5.17e-06	1.22e-05	0.0	0.0
23	6.236	0.160	0.185	0.0	0.0	0.0	0.0	1.38	3.2	0.0	0.0
24	6.301	0.159	0.184	9.95e-03	2.35e-02	1.24e-03	2.93e-03	6.53e-03	1.54e-02	0.0	0.0
25	6.313	0.158	0.184	8.34e-03	1.97e-02	3.37e-04	7.94e-04	0.09	0.2	0.0	0.0
26	6.319	0.158	0.184	0.73	1.7	6.38e-05	1.50e-04	1.90e-04	4.49e-04	0.0	0.0
27	6.341	0.158	0.184	1.49e-03	3.52e-03	2.74e-03	6.46e-03	0.11	0.3	0.0	0.0
28	6.347	0.158	0.183	0.0	1.43e-06	2.09e-04	4.93e-04	1.59	3.7	0.0	0.0
29	6.357	0.157	0.183	3.00e-05	7.06e-05	6.81e-06	1.60e-05	1.88	4.4	0.0	0.0
30	6.821	0.147	0.176	2.15	5.1	0.0	0.0	0.0	0.0	0.0	0.0
31	6.976	0.143	0.174	0.12	0.3	0.0	0.0	0.0	0.0	0.0	0.0
32	7.073	0.141	0.172	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
33	7.079	0.141	0.172	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
34	7.652	0.131	0.165	6.25e-05	1.47e-04	1.94e-05	4.57e-05	1.90e-05	4.49e-05	0.0	0.0
35	7.662	0.131	0.165	0.01	3.02e-02	0.0	0.0	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
36	7.692	0.130	0.165	0.0	0.0	7.69e-04	1.81e-03	0.01	2.67e-02	0.0	0.0
37	7.694	0.130	0.165	0.0	0.0	2.39e-04	5.63e-04	0.19	0.4	0.0	0.0
38	7.696	0.130	0.165	0.0	0.0	5.62e-06	1.33e-05	2.48	5.8	0.0	0.0
39	10.325	0.097	0.142	0.0	0.0	0.01	3.23e-02	0.0	0.0	0.0	0.0
40	10.725	0.093	0.140	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
41	11.691	0.086	0.134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	12.442	0.080	0.131	0.0	0.0	0.02	4.01e-02	0.0	0.0	0.0	0.0
43	14.893	0.067	0.122	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
44	19.241	0.052	0.111	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
45	19.471	0.051	0.111	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
46	30.785	0.032	0.098	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
47	32.904	0.030	0.097	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
48	39.811	0.025	0.093	0.0	0.0	3.10e-05	7.30e-05	6.86e-05	1.62e-04	0.0	0.0
49	42.754	0.023	0.092	0.0	0.0	0.0	0.0	0.03	7.49e-02	0.0	0.0
50	63.736	0.016	0.087	0.0	0.0	0.0	0.0	0.10	0.2	0.0	0.0
51	71.498	0.014	0.086	0.0	0.0	0.0	0.0	2.54	6.0	0.0	0.0
52	98.159	0.010	0.083	0.0	0.0	0.0	0.0	0.16	0.4	0.0	0.0
53	106.660	0.009	0.082	0.0	0.0	6.62e-04	1.56e-03	8.92e-05	2.10e-04	0.0	0.0
54	153.744	0.007	0.080	0.0	0.0	0.0	0.0	5.68	13.4	0.0	0.0
Risulta				42.42		42.42		41.72			
In percentuale				100.00		100.00		98.35			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.194 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.335 sec.
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	0.26	0.0	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.709	0.585	0.172	14.37	33.9	0.0	0.0	0.0	0.0	0.0	0.0
2	1.947	0.514	0.194	0.0	0.0	0.03	8.19e-02	0.0	0.0	0.0	0.0
3	2.483	0.403	0.194	0.09	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.981	0.335	0.194	0.0	0.0	41.54	97.9	0.0	0.0	0.0	0.0
5	3.315	0.302	0.194	0.0	0.0	0.18	0.4	0.0	0.0	0.0	0.0
6	3.925	0.255	0.194	1.19	2.8	0.0	0.0	0.0	0.0	0.0	0.0
7	4.030	0.248	0.194	0.0	0.0	9.30e-03	2.19e-02	0.0	0.0	0.0	0.0
8	4.436	0.225	0.194	16.73	39.4	0.0	0.0	0.0	0.0	0.0	0.0
9	4.559	0.219	0.194	0.0	0.0	9.39e-05	2.21e-04	0.0	0.0	0.0	0.0
10	4.678	0.214	0.194	7.87e-03	1.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.194	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.194	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.250	0.190	0.194	0.58	1.4	0.0	0.0	0.0	0.0	0.0	0.0
14	5.311	0.188	0.194	0.0	0.0	9.66e-05	2.28e-04	0.0	0.0	0.0	0.0
15	5.377	0.186	0.194	0.0	0.0	5.33e-04	1.26e-03	0.0	0.0	0.0	0.0
16	5.483	0.182	0.194	4.21	9.9	0.0	0.0	0.0	0.0	0.0	0.0
17	5.552	0.180	0.194	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.681	0.176	0.194	2.28	5.4	0.0	0.0	0.0	0.0	0.0	0.0
19	5.725	0.175	0.194	1.30e-03	3.07e-03	2.97e-03	7.00e-03	0.0	0.0	0.0	0.0
20	5.750	0.174	0.194	0.19	0.4	1.78e-05	4.20e-05	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
21	5.867	0.170	0.192	8.09e-03	1.91e-02	1.38e-04	3.25e-04	0.0	0.0	0.0	0.0
22	5.875	0.170	0.192	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
23	5.933	0.169	0.191	0.11	0.3	3.40e-05	8.01e-05	0.0	0.0	0.0	0.0
24	5.964	0.168	0.190	0.10	0.2	1.59e-05	3.75e-05	0.0	0.0	0.0	0.0
25	6.188	0.162	0.186	1.29e-05	3.04e-05	0.02	4.88e-02	1.32e-06	3.10e-06	0.0	0.0
26	6.236	0.160	0.185	0.0	0.0	2.85e-06	6.71e-06	1.38	3.2	0.0	0.0
27	6.252	0.160	0.185	4.00e-04	9.43e-04	0.07	0.2	1.01e-04	2.37e-04	0.0	0.0
28	6.263	0.160	0.185	0.20	0.5	1.86e-04	4.37e-04	1.51e-05	3.55e-05	0.0	0.0
29	6.284	0.159	0.185	0.07	0.2	3.22e-05	7.59e-05	1.08e-04	2.56e-04	0.0	0.0
30	6.316	0.158	0.184	3.21e-05	7.56e-05	2.72e-05	6.41e-05	0.13	0.3	0.0	0.0
31	6.349	0.158	0.183	1.26e-06	2.96e-06	4.31e-06	1.01e-05	2.34	5.5	0.0	0.0
32	6.359	0.157	0.183	0.0	1.69e-06	3.18e-06	7.49e-06	1.20	2.8	0.0	0.0
33	6.826	0.146	0.176	2.27	5.3	0.0	0.0	0.0	0.0	0.0	0.0
34	7.073	0.141	0.172	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
35	7.078	0.141	0.172	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
36	7.434	0.135	0.168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	7.626	0.131	0.165	0.01	2.84e-02	0.0	0.0	0.0	0.0	0.0	0.0
38	7.690	0.130	0.165	0.0	0.0	1.04e-03	2.45e-03	3.51e-05	8.26e-05	0.0	0.0
39	7.695	0.130	0.165	0.0	0.0	1.23e-06	2.90e-06	0.94	2.2	0.0	0.0
40	7.696	0.130	0.165	0.0	0.0	0.0	1.07e-06	1.73	4.1	0.0	0.0
41	10.325	0.097	0.142	0.0	0.0	0.01	3.24e-02	0.0	0.0	0.0	0.0
42	10.725	0.093	0.140	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
43	12.442	0.080	0.131	0.0	0.0	0.02	4.02e-02	0.0	0.0	0.0	0.0
44	14.893	0.067	0.122	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
45	19.241	0.052	0.111	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
46	19.471	0.051	0.111	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
47	30.792	0.032	0.098	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
48	32.959	0.030	0.097	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
49	45.591	0.022	0.091	0.0	0.0	0.0	0.0	0.05	0.1	0.0	0.0
50	71.790	0.014	0.086	0.0	0.0	0.0	0.0	2.73	6.4	0.0	0.0
51	99.857	0.010	0.083	0.0	0.0	6.24e-04	1.47e-03	3.05e-05	7.19e-05	0.0	0.0
52	120.144	0.008	0.082	0.0	0.0	0.0	0.0	1.70e-03	4.00e-03	0.0	0.0
53	153.951	0.006	0.080	0.0	0.0	0.0	0.0	5.77	13.6	0.0	0.0
54	738.424	0.001	0.077	0.0	0.0	0.0	0.0	3.93e-03	9.27e-03	0.0	0.0
Risulta				42.42		42.42		41.75			
In percentuale				100.00		100.00		98.43			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.194 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.335 sec.
			numero di modi considerati: 54
			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
m	kN	m	m	m	m	m	m			
2.53	42.42	0.0	6.15	-0.26	0.0	0.0	6.15	1.130	0.0	0.0
Risulta	42.42									

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	kN		kN		kN			
1	1.709	0.585	0.172	14.37	33.9	0.0	0.0	0.0	0.0	0.0	0.0
2	1.947	0.514	0.194	0.0	0.0	0.03	8.19e-02	0.0	0.0	0.0	0.0
3	2.483	0.403	0.194	0.09	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2.981	0.335	0.194	0.0	0.0	41.54	97.9	0.0	0.0	0.0	0.0
5	3.315	0.302	0.194	0.0	0.0	0.18	0.4	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	3.925	0.255	0.194	1.19	2.8	0.0	0.0	0.0	0.0	0.0	0.0
7	4.030	0.248	0.194	0.0	0.0	9.31e-03	2.19e-02	0.0	0.0	0.0	0.0
8	4.436	0.225	0.194	16.73	39.4	0.0	0.0	0.0	0.0	0.0	0.0
9	4.559	0.219	0.194	0.0	0.0	9.39e-05	2.21e-04	0.0	0.0	0.0	0.0
10	4.678	0.214	0.194	7.87e-03	1.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
11	4.799	0.208	0.194	0.0	0.0	0.31	0.7	0.0	0.0	0.0	0.0
12	4.980	0.201	0.194	0.0	0.0	0.0	0.0	2.49	5.9	0.0	0.0
13	5.250	0.190	0.194	0.58	1.4	0.0	0.0	0.0	0.0	0.0	0.0
14	5.315	0.188	0.194	0.0	0.0	1.17e-04	2.75e-04	0.0	0.0	0.0	0.0
15	5.381	0.186	0.194	0.0	0.0	5.26e-04	1.24e-03	0.0	0.0	0.0	0.0
16	5.483	0.182	0.194	4.21	9.9	0.0	0.0	0.0	0.0	0.0	0.0
17	5.552	0.180	0.194	0.0	0.0	0.07	0.2	0.0	0.0	0.0	0.0
18	5.681	0.176	0.194	2.28	5.4	0.0	0.0	0.0	0.0	0.0	0.0
19	5.724	0.175	0.194	7.60e-04	1.79e-03	2.92e-03	6.89e-03	0.0	0.0	0.0	0.0
20	5.750	0.174	0.194	0.19	0.5	1.19e-05	2.80e-05	0.0	0.0	0.0	0.0
21	5.867	0.170	0.192	8.10e-03	1.91e-02	1.89e-04	4.46e-04	0.0	0.0	0.0	0.0
22	5.875	0.170	0.192	0.0	0.0	0.0	0.0	8.95	21.1	0.0	0.0
23	5.932	0.169	0.191	0.10	0.2	6.00e-05	1.41e-04	0.0	0.0	0.0	0.0
24	5.964	0.168	0.190	0.10	0.2	2.87e-05	6.76e-05	0.0	0.0	0.0	0.0
25	6.195	0.161	0.186	4.55e-05	1.07e-04	0.03	5.95e-02	0.0	2.34e-06	0.0	0.0
26	6.236	0.160	0.185	0.0	0.0	1.44e-06	3.39e-06	1.38	3.2	0.0	0.0
27	6.254	0.160	0.185	2.46e-03	5.79e-03	0.06	0.1	6.04e-05	1.42e-04	0.0	0.0
28	6.263	0.160	0.185	0.20	0.5	9.68e-04	2.28e-03	1.20e-05	2.83e-05	0.0	0.0
29	6.284	0.159	0.185	0.07	0.2	1.20e-04	2.84e-04	1.14e-04	2.69e-04	0.0	0.0
30	6.316	0.158	0.184	3.43e-05	8.08e-05	1.28e-05	3.01e-05	0.13	0.3	0.0	0.0
31	6.349	0.158	0.183	1.34e-06	3.16e-06	2.05e-06	4.83e-06	2.35	5.5	0.0	0.0
32	6.359	0.157	0.183	0.0	1.82e-06	1.52e-06	3.59e-06	1.20	2.8	0.0	0.0
33	6.826	0.146	0.176	2.27	5.3	0.0	0.0	0.0	0.0	0.0	0.0
34	7.073	0.141	0.172	0.0	0.0	0.0	0.0	1.91	4.5	0.0	0.0
35	7.078	0.141	0.172	0.0	0.0	0.09	0.2	0.0	0.0	0.0	0.0
36	7.434	0.135	0.168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	7.626	0.131	0.165	0.01	2.84e-02	0.0	0.0	0.0	0.0	0.0	0.0
38	7.690	0.130	0.165	0.0	0.0	1.04e-03	2.45e-03	2.18e-05	5.15e-05	0.0	0.0
39	7.695	0.130	0.165	0.0	0.0	0.0	1.72e-06	0.95	2.2	0.0	0.0
40	7.696	0.130	0.165	0.0	0.0	0.0	0.0	1.72	4.1	0.0	0.0
41	10.325	0.097	0.142	0.0	0.0	0.01	3.24e-02	0.0	0.0	0.0	0.0
42	10.725	0.093	0.140	0.0	0.0	0.0	0.0	0.70	1.7	0.0	0.0
43	12.442	0.080	0.131	0.0	0.0	0.02	4.02e-02	0.0	0.0	0.0	0.0
44	14.893	0.067	0.122	0.0	0.0	0.0	0.0	4.74	11.2	0.0	0.0
45	19.241	0.052	0.111	0.0	0.0	0.05	0.1	0.0	0.0	0.0	0.0
46	19.471	0.051	0.111	0.0	0.0	0.0	0.0	6.62	15.6	0.0	0.0
47	30.792	0.032	0.098	0.0	0.0	0.01	3.14e-02	0.0	0.0	0.0	0.0
48	32.959	0.030	0.097	0.0	0.0	0.0	0.0	0.07	0.2	0.0	0.0
49	45.594	0.022	0.091	0.0	0.0	0.0	0.0	0.05	0.1	0.0	0.0
50	71.790	0.014	0.086	0.0	0.0	0.0	0.0	2.73	6.4	0.0	0.0
51	99.941	0.010	0.083	0.0	0.0	6.24e-04	1.47e-03	2.11e-05	4.97e-05	0.0	0.0
52	120.068	0.008	0.082	0.0	0.0	0.0	0.0	1.74e-03	4.11e-03	0.0	0.0
53	153.954	0.006	0.080	0.0	0.0	0.0	0.0	5.77	13.6	0.0	0.0
54	734.868	0.001	0.077	0.0	0.0	0.0	0.0	4.14e-03	9.77e-03	0.0	0.0
Risulta				42.42		42.42		41.75			
In percentuale				100.00		100.00		98.43			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			mm	cm			mm	cm			mm	cm
45	1	2.51	6.36	253.0	2	2.27	5.73	253.0	3	1.88	4.75	253.0
	4	1.44	3.64	253.0	5	2.43	6.16	253.0				
46	1	2.45	6.19	253.0	2	2.27	5.73	253.0	3	1.94	4.92	253.0
	4	1.52	3.83	253.0	5	2.35	5.95	253.0				
47	1	2.45	6.19	253.0	2	2.27	5.73	253.0	3	1.94	4.92	253.0
	4	1.51	3.83	253.0	5	2.35	5.95	253.0				
48	1	2.51	6.36	253.0	2	2.27	5.73	253.0	3	1.88	4.75	253.0
	4	1.44	3.64	253.0	5	2.43	6.16	253.0				
49	1	2.45	6.19	253.0	2	2.27	5.73	253.0	3	1.94	4.92	253.0
	4	1.51	3.83	253.0	5	2.35	5.95	253.0				
50	1	2.51	6.36	253.0	2	2.27	5.73	253.0	3	1.88	4.75	253.0
	4	1.44	3.64	253.0	5	2.43	6.16	253.0				
51	1	2.51	6.36	253.0	2	2.27	5.73	253.0	3	1.88	4.75	253.0
	4	1.44	3.64	253.0	5	2.43	6.16	253.0				
52	1	2.45	6.19	253.0	2	2.27	5.73	253.0	3	1.94	4.92	253.0

	4	1.52	3.83	253.0	5	2.35	5.95	253.0				
53	1	1.94	4.92	253.0	2	2.27	5.73	253.0	3	2.45	6.19	253.0
	4	2.35	5.95	253.0	5	1.52	3.83	253.0				
54	1	1.88	4.75	253.0	2	2.27	5.73	253.0	3	2.51	6.36	253.0
	4	2.43	6.16	253.0	5	1.44	3.64	253.0				
55	1	1.88	4.75	253.0	2	2.27	5.73	253.0	3	2.51	6.36	253.0
	4	2.43	6.16	253.0	5	1.44	3.64	253.0				
56	1	1.94	4.92	253.0	2	2.27	5.73	253.0	3	2.45	6.19	253.0
	4	2.35	5.95	253.0	5	1.51	3.83	253.0				
57	1	1.88	4.75	253.0	2	2.27	5.73	253.0	3	2.51	6.36	253.0
	4	2.43	6.16	253.0	5	1.44	3.64	253.0				
58	1	1.94	4.92	253.0	2	2.27	5.73	253.0	3	2.45	6.19	253.0
	4	2.35	5.95	253.0	5	1.51	3.83	253.0				
59	1	1.94	4.92	253.0	2	2.27	5.73	253.0	3	2.45	6.19	253.0
	4	2.35	5.95	253.0	5	1.52	3.83	253.0				
60	1	1.88	4.75	253.0	2	2.27	5.73	253.0	3	2.51	6.36	253.0
	4	2.43	6.16	253.0	5	1.44	3.64	253.0				
61	1	2.26	5.72	253.0	2	2.20	5.57	253.0	3	2.14	5.43	253.0
	4	2.12	5.36	253.0	5	2.26	5.72	253.0				
62	1	2.19	5.53	253.0	2	2.20	5.57	253.0	3	2.20	5.57	253.0
	4	2.17	5.49	253.0	5	2.17	5.50	253.0				
63	1	2.19	5.53	253.0	2	2.20	5.57	253.0	3	2.20	5.57	253.0
	4	2.17	5.49	253.0	5	2.17	5.50	253.0				
64	1	2.26	5.72	253.0	2	2.20	5.57	253.0	3	2.14	5.43	253.0
	4	2.12	5.36	253.0	5	2.26	5.72	253.0				
65	1	2.20	5.57	253.0	2	2.20	5.57	253.0	3	2.19	5.53	253.0
	4	2.17	5.50	253.0	5	2.17	5.49	253.0				
66	1	2.14	5.43	253.0	2	2.20	5.57	253.0	3	2.26	5.72	253.0
	4	2.26	5.72	253.0	5	2.12	5.36	253.0				
67	1	2.14	5.43	253.0	2	2.20	5.57	253.0	3	2.26	5.72	253.0
	4	2.26	5.72	253.0	5	2.12	5.36	253.0				
68	1	2.20	5.57	253.0	2	2.20	5.57	253.0	3	2.19	5.53	253.0
	4	2.17	5.50	253.0	5	2.17	5.49	253.0				
69	1	2.19	5.53	253.0	2	2.20	5.57	253.0	3	2.20	5.57	253.0
	4	2.17	5.49	253.0	5	2.17	5.50	253.0				
70	1	2.26	5.72	253.0	2	2.20	5.57	253.0	3	2.14	5.43	253.0
	4	2.12	5.36	253.0	5	2.26	5.72	253.0				
71	1	2.26	5.72	253.0	2	2.20	5.57	253.0	3	2.14	5.43	253.0
	4	2.12	5.36	253.0	5	2.26	5.72	253.0				
72	1	2.19	5.53	253.0	2	2.20	5.57	253.0	3	2.20	5.57	253.0
	4	2.17	5.49	253.0	5	2.17	5.50	253.0				
73	1	2.14	5.43	253.0	2	2.20	5.57	253.0	3	2.26	5.72	253.0
	4	2.26	5.72	253.0	5	2.12	5.36	253.0				
74	1	2.20	5.57	253.0	2	2.20	5.57	253.0	3	2.19	5.53	253.0
	4	2.17	5.50	253.0	5	2.17	5.49	253.0				
75	1	2.20	5.57	253.0	2	2.20	5.57	253.0	3	2.19	5.53	253.0
	4	2.17	5.50	253.0	5	2.17	5.49	253.0				
76	1	2.14	5.43	253.0	2	2.20	5.57	253.0	3	2.26	5.72	253.0
	4	2.26	5.72	253.0	5	2.12	5.36	253.0				

Cmb	**1000 etaT/h**
	2.51

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.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	0.0	0.0	0.0
1	12	0.0	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	0.0
1	45	0.0	0.0	0.0	0.0	0.0	0.0
1	77	0.0	0.0	0.0	0.0	0.0	0.0
1	83	0.0	0.0	0.0	0.0	0.0	0.0
1	87	0.0	0.0	0.0	0.0	0.0	0.0
2	3	0.0	3.00e-03	-0.27	2.58e-03	0.0	0.0
2	12	0.0	3.25e-03	-0.31	2.87e-03	0.0	0.0
2	16	-14.39	-5.02	-0.05	6.68e-04	-9.91e-03	-2.10e-04
2	31	-3.28	16.74	-0.05	-5.14e-04	-2.16e-03	3.19e-05
2	33	4.12	16.74	-0.05	-5.13e-04	2.96e-03	-4.27e-05
2	51	-6.16	1.60	-0.05	3.08e-04	-4.21e-03	-9.68e-05
2	63	-1.53	5.32	-0.05	1.05e-04	-1.02e-03	0.0
2	73	1.08	5.32	-0.05	1.05e-04	7.26e-04	-8.42e-05
2	78	0.0	2.03e-03	-0.18	1.75e-03	0.0	0.0
2	84	0.0	7.57e-04	-0.07	6.66e-04	0.0	0.0
2	87	0.0	4.40e-04	-0.05	3.95e-04	0.0	0.0
3	3	0.0	-1.91e-05	-0.23	0.0	0.0	0.0
3	10	0.0	9.14e-06	0.24	0.0	0.0	0.0
3	12	0.0	-2.08e-05	-0.27	0.0	0.0	0.0
3	22	12.80	-5.02	-0.04	4.93e-04	8.77e-03	-3.76e-04
3	23	-12.80	5.02	-0.04	-4.93e-04	-8.77e-03	3.76e-04
3	30	3.84	-16.74	-0.04	1.64e-03	2.63e-03	-7.78e-05
3	57	5.51	1.60	-0.04	-1.56e-04	3.75e-03	-1.59e-04
3	59	-5.51	1.60	-0.04	-1.56e-04	-3.75e-03	1.27e-04
3	62	1.65	-5.32	-0.04	5.20e-04	1.13e-03	-1.13e-05
3	78	0.0	-1.29e-05	-0.15	0.0	0.0	0.0
3	84	0.0	-4.84e-06	-0.06	0.0	0.0	0.0
3	87	0.0	-2.83e-06	-0.04	0.0	0.0	0.0
4	1	0.0	0.0	0.0	0.0	0.0	0.0
4	12	0.0	0.0	0.0	0.0	0.0	0.0
4	13	0.0	0.0	0.0	0.0	0.0	0.0
4	45	0.0	0.0	0.0	0.0	0.0	0.0
4	77	0.0	0.0	0.0	0.0	0.0	0.0
4	83	0.0	0.0	0.0	0.0	0.0	0.0
4	87	0.0	0.0	0.0	0.0	0.0	0.0
5	1	0.0	0.0	0.0	0.0	0.0	0.0
5	12	0.0	0.0	0.0	0.0	0.0	0.0
5	13	0.0	0.0	0.0	0.0	0.0	0.0
5	45	0.0	0.0	0.0	0.0	0.0	0.0
5	77	0.0	0.0	0.0	0.0	0.0	0.0
5	83	0.0	0.0	0.0	0.0	0.0	0.0
5	87	0.0	0.0	0.0	0.0	0.0	0.0
6	3	0.0	-3.04e-03	-0.27	-2.58e-03	0.0	0.0
6	12	0.0	-3.29e-03	-0.31	-2.87e-03	0.0	0.0
6	22	14.39	-5.02	-0.05	-1.22e-04	9.91e-03	-2.10e-04
6	30	4.12	-16.74	-0.05	5.14e-04	2.96e-03	4.27e-05

6	34	5.18	-16.74	-0.05	5.14e-04	3.65e-03	-1.42e-04
6	57	6.16	1.60	-0.05	-4.82e-04	4.21e-03	-9.68e-05
6	62	1.66	-5.32	-0.05	-1.05e-04	1.17e-03	3.02e-05
6	66	2.11	-5.32	-0.05	-1.05e-04	1.47e-03	-5.36e-05
6	78	0.0	-2.05e-03	-0.18	-1.75e-03	0.0	0.0
6	84	0.0	-7.67e-04	-0.07	-6.66e-04	0.0	0.0
6	87	0.0	-4.46e-04	-0.05	-3.95e-04	0.0	0.0
7	3	0.0	-5.49e-03	-0.19	8.80e-03	0.0	0.0
7	12	0.0	-5.96e-03	-0.23	9.60e-03	0.0	0.0
7	22	13.97	-5.02	-0.03	2.35e-03	9.54e-03	-4.40e-04
7	30	3.50	-16.75	-0.03	4.78e-03	2.41e-03	-9.63e-05
7	35	-5.25	16.74	-0.04	-2.17e-03	-3.54e-03	3.55e-04
7	57	5.95	1.59	-0.03	9.80e-04	4.05e-03	-2.00e-04
7	62	1.37	-5.32	-0.03	2.40e-03	9.45e-04	-2.35e-06
7	67	-2.11	5.32	-0.04	2.16e-04	-1.42e-03	1.23e-04
7	78	0.0	-3.71e-03	-0.13	5.95e-03	0.0	0.0
7	84	0.0	-1.39e-03	-0.05	2.24e-03	0.0	0.0
7	87	0.0	-8.09e-04	-0.03	1.31e-03	0.0	0.0
8	1	0.0	0.0	0.0	0.0	0.0	0.0
8	12	0.0	0.0	0.0	0.0	0.0	0.0
8	13	0.0	0.0	0.0	0.0	0.0	0.0
8	45	0.0	0.0	0.0	0.0	0.0	0.0
8	77	0.0	0.0	0.0	0.0	0.0	0.0
8	83	0.0	0.0	0.0	0.0	0.0	0.0
8	87	0.0	0.0	0.0	0.0	0.0	0.0
9	3	0.0	5.55e-03	-0.19	-8.80e-03	0.0	0.0
9	12	0.0	6.03e-03	-0.23	-9.60e-03	0.0	0.0
9	13	13.97	5.02	-0.03	-2.35e-03	9.54e-03	4.40e-04
9	29	5.25	16.75	-0.03	-4.78e-03	3.54e-03	3.55e-04
9	32	-5.25	-16.74	-0.04	2.17e-03	-3.54e-03	-3.55e-04
9	50	5.95	-1.59	-0.03	-9.80e-04	4.05e-03	2.00e-04
9	61	2.11	5.32	-0.03	-2.40e-03	1.42e-03	1.23e-04
9	64	-2.11	-5.32	-0.04	-2.16e-04	-1.42e-03	-1.23e-04
9	78	0.0	3.75e-03	-0.13	-5.95e-03	0.0	0.0
9	84	0.0	1.41e-03	-0.05	-2.24e-03	0.0	0.0
9	87	0.0	8.19e-04	-0.03	-1.31e-03	0.0	0.0
10	1	0.0	0.0	0.0	0.0	0.0	0.0
10	12	0.0	0.0	0.0	0.0	0.0	0.0
10	13	0.0	0.0	0.0	0.0	0.0	0.0
10	45	0.0	0.0	0.0	0.0	0.0	0.0
10	77	0.0	0.0	0.0	0.0	0.0	0.0
10	83	0.0	0.0	0.0	0.0	0.0	0.0
10	87	0.0	0.0	0.0	0.0	0.0	0.0
11	3	1.52e-04	-4.96e-03	-53.40	9.26e-03	0.02	0.0
11	12	1.66e-04	-5.39e-03	-61.11	0.01	0.02	0.0
11	22	13.98	-6.11	-40.17	1.59e-03	0.02	-4.41e-04
11	32	-1.70	-17.56	-5.72	1.81e-03	9.00e-04	-3.95e-04
11	57	5.97	1.09	-20.63	1.46e-03	7.81e-03	-2.01e-04
11	58	5.80	-2.03	-21.64	1.52e-03	7.57e-03	-1.59e-04
11	64	-0.83	-5.63	-6.38	1.59e-03	1.61e-03	-1.36e-04
11	78	1.03e-04	-3.35e-03	-36.06	6.27e-03	0.01	0.0
11	84	3.87e-05	-1.26e-03	-13.41	2.45e-03	4.17e-03	0.0
11	87	2.26e-05	-7.32e-04	-7.74	1.49e-03	2.35e-03	0.0
12	3	1.03e-04	-4.97e-03	-40.63	0.01	0.02	0.0
12	12	1.12e-04	-5.40e-03	-46.67	0.01	0.02	0.0
12	22	13.97	-6.11	-35.11	2.49e-03	0.01	-4.40e-04
12	32	-1.37	-17.56	-3.69	3.98e-03	1.23e-03	-3.94e-04
12	57	5.95	1.09	-17.56	1.66e-03	7.27e-03	-2.00e-04
12	58	5.76	-2.03	-18.19	2.06e-03	7.08e-03	-1.59e-04
12	64	-0.72	-5.63	-4.43	2.52e-03	1.74e-03	-1.36e-04
12	78	6.96e-05	-3.36e-03	-27.41	8.05e-03	0.01	0.0
12	84	2.61e-05	-1.26e-03	-10.06	3.10e-03	4.17e-03	0.0
12	87	1.53e-05	-7.33e-04	-5.72	1.86e-03	2.35e-03	0.0
13	3	-1.03e-04	-4.97e-03	-40.63	0.01	-0.02	0.0
13	12	-1.12e-04	-5.40e-03	-46.67	0.01	-0.02	0.0
13	23	-13.97	3.94	-33.13	1.22e-03	-0.01	4.40e-04
13	24	-13.34	-5.86	-35.15	2.49e-03	-0.01	2.93e-04
13	30	3.46	-16.72	-3.81	3.98e-03	7.78e-04	-9.62e-05
13	55	-5.95	1.09	-17.56	1.66e-03	-7.27e-03	2.00e-04
13	56	-5.76	-2.03	-18.19	2.06e-03	-7.08e-03	1.59e-04
13	70	0.72	-5.63	-4.43	2.52e-03	-1.74e-03	1.36e-04
13	78	-6.95e-05	-3.36e-03	-27.41	8.05e-03	-0.01	0.0
13	84	-2.61e-05	-1.26e-03	-10.06	3.10e-03	-4.17e-03	0.0
13	87	-1.53e-05	-7.33e-04	-5.72	1.86e-03	-2.35e-03	0.0
14	3	0.0	-5.37e-03	-7.27	0.01	0.0	0.0
14	12	0.0	-5.83e-03	-8.08	0.01	0.0	0.0
14	22	13.97	-5.02	-1.67	2.49e-03	0.01	-4.41e-04

14	30	3.46	-16.75	-2.95	3.98e-03	2.60e-03	-9.63e-05
14	34	5.14	-16.75	-2.95	3.98e-03	3.75e-03	-3.55e-04
14	57	5.95	1.59	-0.95	1.66e-03	4.37e-03	-2.01e-04
14	62	1.37	-5.32	-1.69	2.52e-03	1.03e-03	-2.36e-06
14	66	2.08	-5.32	-1.69	2.52e-03	1.52e-03	-1.23e-04
14	78	0.0	-3.63e-03	-4.92	8.05e-03	0.0	0.0
14	84	0.0	-1.36e-03	-1.88	3.10e-03	0.0	0.0
14	87	0.0	-7.91e-04	-1.12	1.86e-03	0.0	0.0
15	3	0.0	-5.39e-03	10.34	5.59e-03	0.0	0.0
15	12	0.0	-5.85e-03	10.64	5.53e-03	0.0	0.0
15	22	14.01	-5.02	3.11	1.79e-03	0.01	-4.40e-04
15	30	3.64	-16.75	7.14	4.33e-03	2.66e-03	-9.63e-05
15	34	5.57	-16.75	7.14	4.33e-03	3.85e-03	-3.55e-04
15	57	5.95	1.59	0.84	3.58e-04	4.32e-03	-2.00e-04
15	62	1.38	-5.32	3.18	1.83e-03	1.02e-03	-2.35e-06
15	66	2.19	-5.32	3.18	1.83e-03	1.53e-03	-1.23e-04
15	78	0.0	-3.64e-03	6.97	3.76e-03	0.0	0.0
15	84	0.0	-1.37e-03	2.50	1.31e-03	0.0	0.0
15	87	0.0	-7.95e-04	1.38	6.98e-04	0.0	0.0
16	3	-1.61e-04	5.02e-03	-7.43	-5.59e-03	9.06e-03	0.0
16	10	7.71e-05	-2.25e-03	31.80	-1.02e-03	-0.02	0.0
16	12	-1.75e-04	5.44e-03	-12.36	-5.53e-03	0.01	0.0
16	14	13.11	-4.19	-31.40	3.91e-04	0.01	2.93e-04
16	16	-14.01	-6.11	23.46	3.91e-04	-9.61e-03	-4.40e-04
16	35	-0.64	17.56	10.57	-4.33e-03	1.04e-03	3.94e-04
16	48	-5.95	-2.11	9.37	-3.58e-04	-3.16e-03	-2.00e-04
16	50	5.95	-1.09	-14.25	-3.58e-04	6.37e-03	2.00e-04
16	67	-0.49	5.63	2.57	-1.83e-03	1.11e-03	1.36e-04
16	78	-1.09e-04	3.39e-03	-5.12	-3.76e-03	6.16e-03	0.0
16	81	4.17e-05	-1.20e-03	20.54	-9.73e-04	-0.01	0.0
16	84	-4.08e-05	1.27e-03	-2.43	-1.31e-03	2.51e-03	0.0
16	85	-1.07e-05	3.52e-04	2.70	-7.53e-04	-8.11e-04	0.0
16	87	-2.39e-05	7.40e-04	-1.76	-6.98e-04	1.60e-03	0.0
17	3	0.0	-5.43e-03	3.49	6.96e-03	0.0	0.0
17	12	0.0	-5.90e-03	3.71	7.29e-03	0.0	0.0
17	22	13.98	-5.02	1.00	2.03e-03	9.85e-03	-4.40e-04
17	30	3.54	-16.75	2.17	4.52e-03	2.53e-03	-9.64e-05
17	34	5.34	-16.75	2.17	4.52e-03	3.69e-03	-3.55e-04
17	57	5.95	1.59	0.34	6.26e-04	4.18e-03	-2.00e-04
17	62	1.37	-5.32	1.02	2.07e-03	9.83e-04	-2.37e-06
17	66	2.13	-5.32	1.02	2.07e-03	1.47e-03	-1.23e-04
17	78	0.0	-3.67e-03	2.35	4.69e-03	0.0	0.0
17	84	0.0	-1.38e-03	0.87	1.71e-03	0.0	0.0
17	87	0.0	-8.02e-04	0.49	9.60e-04	0.0	0.0
18	3	1.66e-05	-5.06e-03	-29.88	6.96e-03	-0.02	0.0
18	10	-7.98e-06	2.27e-03	30.37	-1.40e-03	0.02	0.0
18	12	1.81e-05	-5.49e-03	-34.88	7.29e-03	-0.02	0.0
18	22	13.98	-3.94	24.24	2.03e-03	8.87e-03	-4.40e-04
18	23	-13.98	3.94	-32.45	-1.07e-04	-0.01	4.40e-04
18	30	3.54	-16.72	4.40	4.52e-03	7.79e-04	-9.62e-05
18	55	-5.95	1.09	-16.13	6.26e-04	-7.12e-03	2.00e-04
18	57	5.95	2.11	7.32	6.26e-04	2.43e-03	-2.00e-04
18	70	0.61	-5.63	-1.02	2.07e-03	-1.81e-03	1.36e-04
18	78	1.12e-05	-3.42e-03	-20.14	4.69e-03	-0.01	0.0
18	84	4.22e-06	-1.28e-03	-7.31	1.71e-03	-4.17e-03	0.0
18	87	2.47e-06	-7.46e-04	-4.11	9.60e-04	-2.35e-03	0.0
19	3	0.0	-5.10e-03	-20.04	9.26e-03	0.0	0.0
19	12	0.0	-5.54e-03	-22.52	0.01	0.0	0.0
19	22	13.98	-5.02	-4.08	1.59e-03	0.01	-4.40e-04
19	30	3.42	-16.75	-6.27	1.81e-03	2.85e-03	-9.58e-05
19	34	4.98	-16.75	-6.27	1.81e-03	4.02e-03	-3.55e-04
19	57	5.97	1.59	-2.85	1.46e-03	4.77e-03	-2.00e-04
19	62	1.38	-5.32	-4.12	1.59e-03	1.15e-03	-2.24e-06
19	66	2.04	-5.32	-4.12	1.59e-03	1.65e-03	-1.23e-04
19	78	0.0	-3.45e-03	-13.57	6.27e-03	0.0	0.0
19	84	0.0	-1.29e-03	-5.23	2.45e-03	0.0	0.0
19	87	0.0	-7.53e-04	-3.14	1.49e-03	0.0	0.0
20	3	-1.52e-04	-4.96e-03	-53.40	9.26e-03	-0.02	0.0
20	12	-1.66e-04	-5.39e-03	-61.11	0.01	-0.02	0.0
20	23	-13.98	3.94	-37.35	1.39e-03	-0.02	4.41e-04
20	24	-13.47	-5.86	-40.56	1.59e-03	-0.01	2.93e-04
20	30	3.42	-16.72	-7.04	1.81e-03	1.36e-03	-9.65e-05
20	55	-5.97	1.09	-20.63	1.46e-03	-7.81e-03	2.01e-04
20	56	-5.80	-2.03	-21.64	1.52e-03	-7.57e-03	1.59e-04
20	70	0.83	-5.63	-6.38	1.59e-03	-1.61e-03	1.36e-04
20	78	-1.03e-04	-3.35e-03	-36.06	6.27e-03	-0.01	0.0
20	84	-3.87e-05	-1.26e-03	-13.41	2.45e-03	-4.17e-03	0.0

20	87	-2.26e-05	-7.32e-04	-7.74	1.49e-03	-2.35e-03	0.0
21	3	1.37e-04	1.62e-03	-17.78	5.60e-04	-9.06e-03	0.0
21	10	-5.87e-05	-6.92e-04	32.78	1.50e-04	0.02	0.0
21	12	1.49e-04	1.76e-03	-23.03	5.46e-04	-0.01	0.0
21	13	14.38	4.44	24.70	-1.53e-04	9.34e-03	3.82e-04
21	16	-14.38	-4.44	-31.00	2.82e-04	-0.01	-3.81e-04
21	33	4.14	17.32	5.64	-6.62e-04	1.87e-03	8.83e-05
21	45	6.15	1.33	8.67	-4.94e-06	3.04e-03	1.62e-04
21	48	-6.15	-1.33	-14.97	1.34e-04	-6.25e-03	-1.62e-04
21	65	1.67	5.55	0.27	-1.67e-04	-2.56e-04	8.78e-06
21	78	9.29e-05	1.10e-03	-12.09	3.75e-04	-6.16e-03	0.0
21	81	-3.10e-05	-3.65e-04	20.62	1.28e-04	0.01	0.0
21	84	3.47e-05	4.10e-04	-4.94	1.27e-04	-2.51e-03	0.0
21	87	2.02e-05	2.38e-04	-3.15	6.45e-05	-1.60e-03	0.0
22	3	-1.38e-04	1.62e-03	-17.78	5.60e-04	9.06e-03	0.0
22	10	5.88e-05	-6.92e-04	32.78	1.50e-04	-0.02	0.0
22	12	-1.49e-04	1.76e-03	-23.03	5.46e-04	0.01	0.0
22	13	14.38	5.61	-30.94	-1.53e-04	0.01	3.81e-04
22	16	-14.38	-5.61	24.64	2.82e-04	-9.33e-03	-3.81e-04
22	35	-2.25	16.82	0.82	-6.62e-04	1.20e-04	3.30e-04
22	50	6.15	-1.33	-14.97	1.34e-04	6.25e-03	1.62e-04
22	51	-6.15	1.33	8.67	-5.05e-06	-3.04e-03	-1.62e-04
22	75	-1.67	5.55	0.27	-1.67e-04	2.56e-04	-8.78e-06
22	78	-9.30e-05	1.10e-03	-12.09	3.75e-04	6.16e-03	0.0
22	81	3.10e-05	-3.65e-04	20.62	1.28e-04	-0.01	0.0
22	84	-3.47e-05	4.10e-04	-4.94	1.27e-04	2.51e-03	0.0
22	87	-2.02e-05	2.38e-04	-3.15	6.45e-05	1.60e-03	0.0
23	3	2.11e-04	4.97e-03	-18.69	4.73e-03	-9.06e-03	0.0
23	10	-1.01e-04	-2.23e-03	33.34	-3.36e-03	0.02	0.0
23	12	2.31e-04	5.39e-03	-24.04	5.33e-03	-0.01	0.0
23	13	14.40	3.94	24.61	5.54e-04	9.38e-03	-3.51e-04
23	16	-14.40	-3.94	-31.19	9.37e-04	-0.01	3.51e-04
23	33	4.10	16.72	5.19	1.06e-04	1.81e-03	1.46e-04
23	50	6.16	-2.11	8.58	8.07e-04	3.06e-03	-1.90e-04
23	51	-6.16	2.11	-15.16	6.84e-04	-6.27e-03	1.90e-04
23	73	1.07	5.63	-1.35	5.42e-04	-8.36e-04	-1.57e-04
23	78	1.43e-04	3.36e-03	-12.71	3.21e-03	-6.16e-03	0.0
23	81	-5.49e-05	-1.19e-03	20.94	-1.94e-03	0.01	0.0
23	84	5.37e-05	1.26e-03	-5.17	1.24e-03	-2.51e-03	0.0
23	87	3.14e-05	7.32e-04	-3.29	7.45e-04	-1.60e-03	0.0
24	3	-2.12e-04	4.97e-03	-18.69	4.73e-03	9.06e-03	0.0
24	10	1.02e-04	-2.22e-03	33.34	-3.36e-03	-0.02	0.0
24	12	-2.31e-04	5.39e-03	-24.04	5.33e-03	0.01	0.0
24	13	14.40	6.11	-31.25	5.54e-04	0.01	-3.51e-04
24	16	-14.40	-6.11	24.67	9.37e-04	-9.38e-03	3.51e-04
24	35	-2.21	17.56	0.44	1.06e-04	1.54e-04	4.61e-04
24	45	6.16	2.11	-15.16	6.84e-04	6.27e-03	-1.90e-04
24	48	-6.16	-2.11	8.58	8.06e-04	-3.06e-03	1.90e-04
24	67	-1.07	5.63	-1.35	5.41e-04	8.36e-04	1.57e-04
24	78	-1.43e-04	3.36e-03	-12.71	3.21e-03	6.16e-03	0.0
24	81	5.50e-05	-1.19e-03	20.94	-1.94e-03	-0.01	0.0
24	84	-5.38e-05	1.26e-03	-5.17	1.24e-03	2.51e-03	0.0
24	87	-3.14e-05	7.32e-04	-3.29	7.45e-04	1.60e-03	0.0
25	3	0.0	3.96e-03	-0.91	4.73e-03	0.0	0.0
25	12	0.0	4.29e-03	-1.04	5.33e-03	0.0	0.0
25	16	-14.40	-5.02	-0.19	9.37e-04	-0.01	-2.74e-04
25	31	-3.29	16.75	-0.02	1.06e-04	-2.20e-03	6.47e-05
25	34	2.21	-16.74	-0.28	1.39e-03	1.48e-03	-2.70e-04
25	51	-6.16	1.60	-0.13	6.84e-04	-4.29e-03	-1.26e-04
25	63	-1.53	5.32	-0.11	5.41e-04	-1.03e-03	4.33e-06
25	74	1.65	-5.32	-0.19	9.49e-04	1.19e-03	-2.11e-05
25	78	0.0	2.67e-03	-0.62	3.21e-03	0.0	0.0
25	84	0.0	1.00e-03	-0.24	1.24e-03	0.0	0.0
25	87	0.0	5.83e-04	-0.15	7.45e-04	0.0	0.0
26	3	0.0	2.32e-03	1.31e-03	5.60e-04	0.0	0.0
26	10	0.0	-9.91e-04	0.15	1.50e-04	0.0	0.0
26	12	0.0	2.51e-03	-0.02	5.46e-04	0.0	0.0
26	16	-14.38	-5.02	0.04	2.82e-04	-0.01	-1.95e-04
26	31	-3.28	16.75	-0.15	-6.62e-04	-2.18e-03	2.83e-05
26	35	-2.25	16.75	-0.15	-6.62e-04	-1.50e-03	2.06e-04
26	51	-6.15	1.60	-0.02	-5.05e-06	-4.27e-03	-8.68e-05
26	63	-1.53	5.32	-0.05	-1.67e-04	-1.03e-03	3.24e-06
26	75	-1.67	5.32	-0.05	-1.67e-04	-1.20e-03	2.86e-05
26	78	0.0	1.57e-03	-2.63e-04	3.75e-04	0.0	0.0
26	81	0.0	-5.22e-04	0.10	1.28e-04	0.0	0.0
26	84	0.0	5.86e-04	-6.00e-03	1.27e-04	0.0	0.0
26	85	0.0	1.68e-04	0.01	7.72e-05	0.0	0.0

26	87	0.0	3.40e-04	-7.44e-03	6.45e-05	0.0	0.0
27	3	0.0	4.33e-03	-11.10	0.01	0.0	0.0
27	12	0.0	4.70e-03	-12.58	0.01	0.0	0.0
27	16	-14.24	-5.02	-1.88	1.53e-03	-0.01	3.23e-04
27	31	-3.41	16.75	-1.41	2.60e-03	-2.43e-03	3.97e-04
27	34	2.21	-16.74	-2.12	9.49e-04	1.54e-03	-4.28e-04
27	51	-6.09	1.60	-1.74	1.85e-03	-4.70e-03	1.75e-04
27	63	-1.55	5.32	-1.67	2.03e-03	-1.13e-03	1.37e-04
27	66	1.04	-5.32	-1.87	1.52e-03	7.52e-04	-1.47e-04
27	78	0.0	2.93e-03	-7.52	7.54e-03	0.0	0.0
27	84	0.0	1.10e-03	-2.92	2.93e-03	0.0	0.0
27	87	0.0	6.38e-04	-1.77	1.77e-03	0.0	0.0
28	3	1.18e-04	4.82e-03	-44.46	0.01	0.02	0.0
28	12	1.29e-04	5.23e-03	-51.17	0.01	0.02	0.0
28	13	14.24	6.11	-37.73	2.02e-03	0.01	4.17e-04
28	35	-2.21	17.56	-2.38	2.60e-03	8.23e-04	3.77e-04
28	50	6.09	-1.09	-19.71	1.70e-03	7.65e-03	1.90e-04
28	67	-1.04	5.63	-4.33	2.03e-03	1.55e-03	1.31e-04
28	78	7.99e-05	3.25e-03	-30.01	7.54e-03	0.01	0.0
28	84	3.00e-05	1.22e-03	-11.10	2.93e-03	4.17e-03	0.0
28	87	1.76e-05	7.10e-04	-6.37	1.77e-03	2.35e-03	0.0
29	3	-1.19e-04	4.82e-03	-44.46	0.01	-0.02	0.0
29	12	-1.29e-04	5.23e-03	-51.17	0.01	-0.02	0.0
29	16	-14.24	-3.94	-37.78	1.53e-03	-0.01	-4.17e-04
29	33	3.79	16.72	3.14	2.60e-03	1.47e-03	8.32e-05
29	48	-6.09	-1.09	-19.71	1.70e-03	-7.65e-03	-1.90e-04
29	73	1.04	5.63	-4.33	2.03e-03	-1.55e-03	-1.31e-04
29	78	-8.01e-05	3.25e-03	-30.01	7.54e-03	-0.01	0.0
29	84	-3.01e-05	1.22e-03	-11.10	2.93e-03	-4.17e-03	0.0
29	87	-1.76e-05	7.10e-04	-6.37	1.77e-03	-2.35e-03	0.0
30	3	-1.66e-05	-5.06e-03	-29.88	6.96e-03	0.02	0.0
30	10	7.97e-06	2.27e-03	30.37	-1.40e-03	-0.02	0.0
30	12	-1.81e-05	-5.49e-03	-34.88	7.29e-03	0.02	0.0
30	21	13.22	4.19	-32.33	-1.06e-04	0.01	-2.93e-04
30	23	-13.98	6.11	22.22	-1.07e-04	-8.85e-03	4.40e-04
30	32	-1.02	-17.56	3.99	4.51e-03	1.47e-03	-3.94e-04
30	55	-5.95	2.11	7.32	6.26e-04	-2.43e-03	2.00e-04
30	57	5.95	1.09	-16.13	6.26e-04	7.12e-03	-2.00e-04
30	64	-0.61	-5.63	-1.02	2.07e-03	1.81e-03	-1.36e-04
30	78	-1.12e-05	-3.42e-03	-20.14	4.69e-03	0.01	0.0
30	84	-4.22e-06	-1.28e-03	-7.31	1.71e-03	4.17e-03	0.0
30	87	-2.47e-06	-7.46e-04	-4.11	9.60e-04	2.35e-03	0.0
31	3	-1.52e-04	-5.08e-03	-7.43	5.59e-03	9.06e-03	0.0
31	10	7.27e-05	2.28e-03	31.80	1.02e-03	-0.02	0.0
31	12	-1.65e-04	-5.52e-03	-12.36	5.53e-03	0.01	0.0
31	21	13.11	4.19	-31.40	-3.90e-04	0.01	-2.93e-04
31	23	-14.01	6.11	23.46	-3.91e-04	-9.61e-03	4.40e-04
31	32	-0.64	-17.56	10.57	4.33e-03	1.04e-03	-3.94e-04
31	55	-5.95	2.11	9.37	3.58e-04	-3.16e-03	2.00e-04
31	57	5.95	1.09	-14.25	3.58e-04	6.37e-03	-2.00e-04
31	64	-0.49	-5.63	2.57	1.83e-03	1.11e-03	-1.36e-04
31	78	-1.02e-04	-3.43e-03	-5.12	3.76e-03	6.16e-03	0.0
31	81	3.93e-05	1.22e-03	20.54	9.73e-04	-0.01	0.0
31	84	-3.85e-05	-1.29e-03	-2.43	1.31e-03	2.51e-03	0.0
31	85	-1.01e-05	-3.56e-04	2.70	7.53e-04	-8.11e-04	0.0
31	87	-2.25e-05	-7.49e-04	-1.76	6.98e-04	1.60e-03	0.0
32	3	1.60e-04	4.80e-03	-55.70	7.45e-03	0.02	0.0
32	12	1.75e-04	5.21e-03	-63.89	8.41e-03	0.02	0.0
32	13	14.11	6.11	-41.15	1.56e-03	0.02	4.46e-04
32	17	13.75	4.18	-41.24	1.43e-03	0.01	3.28e-04
32	35	-2.14	17.56	-3.75	2.46e-03	6.79e-04	3.99e-04
32	49	5.89	2.03	-22.39	1.30e-03	7.75e-03	1.61e-04
32	50	6.04	-1.09	-21.62	1.06e-03	7.99e-03	2.03e-04
32	67	-0.99	5.63	-5.97	1.58e-03	1.51e-03	1.38e-04
32	78	1.08e-04	3.25e-03	-37.63	5.05e-03	0.01	0.0
32	84	4.07e-05	1.22e-03	-14.05	1.95e-03	4.17e-03	0.0
32	87	2.38e-05	7.08e-04	-8.16	1.18e-03	2.35e-03	0.0
33	3	-1.61e-04	4.81e-03	-55.70	7.45e-03	-0.02	0.0
33	12	-1.75e-04	5.21e-03	-63.89	8.41e-03	-0.02	0.0
33	15	-13.68	5.86	-41.68	1.56e-03	-0.01	-2.97e-04
33	16	-14.11	-3.94	-39.21	7.92e-04	-0.02	-4.46e-04
33	33	3.56	16.72	-5.51	2.46e-03	1.66e-03	9.96e-05
33	47	-5.89	2.03	-22.39	1.30e-03	-7.75e-03	-1.61e-04
33	48	-6.04	-1.09	-21.62	1.06e-03	-7.99e-03	-2.03e-04
33	73	0.99	5.63	-5.97	1.58e-03	-1.51e-03	-1.38e-04
33	78	-1.09e-04	3.25e-03	-37.63	5.05e-03	-0.01	0.0
33	84	-4.08e-05	1.22e-03	-14.05	1.95e-03	-4.17e-03	0.0

33	87	-2.39e-05	7.08e-04	-8.16	1.18e-03	-2.35e-03	0.0
34	3	0.0	4.62e-03	-22.34	7.45e-03	0.0	0.0
34	12	0.0	5.01e-03	-25.30	8.41e-03	0.0	0.0
34	16	-14.11	-5.02	-3.12	7.92e-04	-0.01	-4.28e-04
34	31	-3.46	16.75	-5.00	2.46e-03	-2.61e-03	1.30e-04
34	33	3.56	16.75	-5.00	2.46e-03	3.18e-03	8.96e-05
34	51	-6.04	1.60	-3.69	1.30e-03	-4.94e-03	-1.95e-04
34	63	-1.55	5.32	-4.00	1.58e-03	-1.20e-03	1.46e-05
34	65	1.47	5.32	-4.00	1.58e-03	1.28e-03	0.0
34	78	0.0	3.12e-03	-15.13	5.05e-03	0.0	0.0
34	84	0.0	1.17e-03	-5.87	1.95e-03	0.0	0.0
34	87	0.0	6.81e-04	-3.56	1.18e-03	0.0	0.0
35	3	0.0	4.84e-03	-26.17	-1.07e-03	0.0	0.0
35	12	0.0	5.25e-03	-29.57	-1.31e-03	0.0	0.0
35	16	-14.03	-5.02	-3.33	-4.67e-04	-0.01	-4.43e-04
35	31	-3.40	16.75	-6.86	7.17e-04	-2.67e-03	1.36e-04
35	33	3.44	16.75	-6.86	7.18e-04	3.06e-03	9.80e-05
35	51	-5.99	1.60	-4.40	-1.08e-04	-4.97e-03	-2.02e-04
35	63	-1.53	5.32	-4.99	9.42e-05	-1.22e-03	1.56e-05
35	65	1.41	5.32	-4.99	9.43e-05	1.24e-03	2.77e-06
35	78	0.0	3.27e-03	-17.73	-7.30e-04	0.0	0.0
35	84	0.0	1.22e-03	-6.86	-3.01e-04	0.0	0.0
35	87	0.0	7.14e-04	-4.15	-1.94e-04	0.0	0.0
36	3	-1.53e-04	4.87e-03	-59.53	-1.07e-03	-0.02	0.0
36	12	-1.67e-04	5.28e-03	-68.16	-1.31e-03	-0.02	0.0
36	15	-13.58	5.86	-42.98	7.94e-05	-0.01	-2.92e-04
36	16	-14.03	-3.94	-39.79	-4.67e-04	-0.02	-4.39e-04
36	33	3.44	16.72	-7.49	7.18e-04	1.67e-03	9.54e-05
36	47	-5.85	2.03	-23.28	-1.08e-04	-7.83e-03	-1.58e-04
36	51	-5.99	2.11	-23.07	-1.08e-04	-8.05e-03	-2.00e-04
36	73	0.92	5.63	-6.90	9.43e-05	-1.51e-03	-1.36e-04
36	78	-1.03e-04	3.29e-03	-40.22	-7.30e-04	-0.01	0.0
36	84	-3.89e-05	1.23e-03	-15.04	-3.01e-04	-4.17e-03	0.0
36	87	-2.27e-05	7.18e-04	-8.75	-1.94e-04	-2.35e-03	0.0
37	3	1.52e-04	4.87e-03	-59.53	-1.07e-03	0.02	0.0
37	12	1.66e-04	5.28e-03	-68.16	-1.31e-03	0.02	0.0
37	13	14.03	6.11	-42.35	7.97e-05	0.02	4.39e-04
37	17	13.65	4.18	-42.42	-1.50e-05	0.02	3.23e-04
37	35	-1.96	17.56	-5.40	7.17e-04	6.48e-04	3.93e-04
37	49	5.85	2.03	-23.28	-1.07e-04	7.83e-03	1.58e-04
37	50	5.99	-1.09	-22.27	-2.80e-04	8.09e-03	2.00e-04
37	67	-0.92	5.63	-6.90	9.42e-05	1.51e-03	1.36e-04
37	78	1.03e-04	3.29e-03	-40.22	-7.30e-04	0.01	0.0
37	84	3.87e-05	1.23e-03	-15.04	-3.01e-04	4.17e-03	0.0
37	87	2.26e-05	7.18e-04	-8.75	-1.94e-04	2.35e-03	0.0
38	3	1.49e-04	4.94e-03	-53.40	-9.26e-03	0.02	0.0
38	12	1.63e-04	5.37e-03	-61.11	-0.01	0.02	0.0
38	13	13.98	6.11	-40.17	-1.59e-03	0.02	4.41e-04
38	35	-1.70	17.56	-5.72	-1.81e-03	9.00e-04	3.95e-04
38	49	5.80	2.03	-21.64	-1.52e-03	7.57e-03	1.59e-04
38	50	5.97	-1.09	-20.63	-1.46e-03	7.81e-03	2.01e-04
38	67	-0.83	5.63	-6.38	-1.59e-03	1.61e-03	1.36e-04
38	78	1.01e-04	3.34e-03	-36.06	-6.27e-03	0.01	0.0
38	84	3.79e-05	1.25e-03	-13.41	-2.45e-03	4.17e-03	0.0
38	87	2.22e-05	7.29e-04	-7.74	-1.49e-03	2.35e-03	0.0
39	3	-1.50e-04	4.94e-03	-53.40	-9.26e-03	-0.02	0.0
39	12	-1.64e-04	5.37e-03	-61.11	-0.01	-0.02	0.0
39	15	-13.47	5.86	-40.56	-1.59e-03	-0.01	-2.93e-04
39	16	-13.98	-3.94	-37.35	-1.39e-03	-0.02	-4.41e-04
39	33	3.42	16.72	-7.04	-1.81e-03	1.36e-03	9.65e-05
39	47	-5.80	2.03	-21.64	-1.52e-03	-7.57e-03	-1.59e-04
39	48	-5.97	-1.09	-20.63	-1.46e-03	-7.81e-03	-2.01e-04
39	73	0.83	5.63	-6.38	-1.59e-03	-1.61e-03	-1.36e-04
39	78	-1.01e-04	3.34e-03	-36.06	-6.27e-03	-0.01	0.0
39	84	-3.81e-05	1.25e-03	-13.41	-2.45e-03	-4.17e-03	0.0
39	87	-2.23e-05	7.29e-04	-7.74	-1.49e-03	-2.35e-03	0.0
40	3	0.0	5.05e-03	-20.04	-9.26e-03	0.0	0.0
40	12	0.0	5.48e-03	-22.52	-0.01	0.0	0.0
40	16	-13.98	-5.02	-2.21	-1.39e-03	-0.01	-4.40e-04
40	31	-3.26	16.75	-6.27	-1.81e-03	-2.57e-03	1.35e-04
40	33	3.42	16.75	-6.27	-1.81e-03	2.85e-03	9.59e-05
40	51	-5.97	1.60	-3.44	-1.52e-03	-4.77e-03	-2.00e-04
40	63	-1.49	5.32	-4.12	-1.59e-03	-1.17e-03	1.53e-05
40	65	1.38	5.32	-4.12	-1.59e-03	1.15e-03	2.25e-06
40	78	0.0	3.41e-03	-13.57	-6.27e-03	0.0	0.0
40	84	0.0	1.28e-03	-5.23	-2.45e-03	0.0	0.0
40	87	0.0	7.44e-04	-3.14	-1.49e-03	0.0	0.0

41	3	-2.22e-06	5.29e-03	-7.27	-0.01	0.0	0.0
41	12	-2.42e-06	5.74e-03	-8.08	-0.01	0.0	0.0
41	16	-13.97	-5.02	-0.57	-1.22e-03	-0.01	-4.41e-04
41	29	5.14	16.75	-2.95	-3.98e-03	3.75e-03	3.55e-04
41	33	3.46	16.75	-2.95	-3.98e-03	2.60e-03	9.63e-05
41	51	-5.95	1.60	-1.29	-2.06e-03	-4.37e-03	-2.01e-04
41	61	2.08	5.32	-1.69	-2.52e-03	1.52e-03	1.23e-04
41	65	1.37	5.32	-1.69	-2.52e-03	1.03e-03	2.35e-06
41	78	-1.50e-06	3.57e-03	-4.92	-8.05e-03	0.0	0.0
41	84	0.0	1.34e-03	-1.88	-3.10e-03	0.0	0.0
41	87	0.0	7.80e-04	-1.12	-1.86e-03	0.0	0.0
42	3	-1.25e-04	4.98e-03	-40.63	-0.01	-0.02	0.0
42	12	-1.36e-04	5.41e-03	-46.67	-0.01	-0.02	0.0
42	15	-13.34	5.86	-35.15	-2.49e-03	-0.01	-2.93e-04
42	16	-13.97	-3.94	-33.13	-1.22e-03	-0.01	-4.40e-04
42	33	3.46	16.72	-3.81	-3.98e-03	7.78e-04	9.62e-05
42	47	-5.76	2.03	-18.19	-2.06e-03	-7.08e-03	-1.59e-04
42	48	-5.95	-1.09	-17.56	-1.66e-03	-7.27e-03	-2.00e-04
42	73	0.72	5.63	-4.43	-2.52e-03	-1.74e-03	-1.36e-04
42	78	-8.46e-05	3.37e-03	-27.41	-8.05e-03	-0.01	0.0
42	84	-3.18e-05	1.26e-03	-10.06	-3.10e-03	-4.17e-03	0.0
42	87	-1.86e-05	7.34e-04	-5.72	-1.86e-03	-2.35e-03	0.0
43	3	1.28e-04	4.98e-03	-40.63	-0.01	0.02	0.0
43	12	1.39e-04	5.41e-03	-46.67	-0.01	0.02	0.0
43	13	13.97	6.11	-35.11	-2.49e-03	0.01	4.40e-04
43	35	-1.37	17.56	-3.69	-3.98e-03	1.23e-03	3.94e-04
43	49	5.76	2.03	-18.19	-2.06e-03	7.08e-03	1.59e-04
43	50	5.95	-1.09	-17.56	-1.66e-03	7.27e-03	2.00e-04
43	67	-0.72	5.63	-4.43	-2.52e-03	1.74e-03	1.36e-04
43	78	8.64e-05	3.37e-03	-27.41	-8.05e-03	0.01	0.0
43	84	3.25e-05	1.26e-03	-10.06	-3.10e-03	4.17e-03	0.0
43	87	1.90e-05	7.34e-04	-5.72	-1.86e-03	2.35e-03	0.0
44	3	2.69e-05	4.98e-03	-29.88	-6.96e-03	0.02	0.0
44	10	-1.29e-05	-2.23e-03	30.37	1.40e-03	-0.02	0.0
44	12	2.94e-05	5.41e-03	-34.88	-7.29e-03	0.02	0.0
44	13	13.98	6.11	-30.43	-2.03e-03	0.01	4.40e-04
44	14	13.22	-4.19	-32.33	1.06e-04	0.01	2.93e-04
44	35	-1.02	17.56	3.99	-4.51e-03	1.47e-03	3.94e-04
44	50	5.95	-1.09	-16.13	-6.26e-04	7.12e-03	2.00e-04
44	67	-0.61	5.63	-1.02	-2.07e-03	1.81e-03	1.36e-04
44	78	1.82e-05	3.37e-03	-20.14	-4.69e-03	0.01	0.0
44	84	6.84e-06	1.26e-03	-7.31	-1.71e-03	4.17e-03	0.0
44	87	4.00e-06	7.35e-04	-4.11	-9.60e-04	2.35e-03	0.0
45	3	2.68e-05	4.92e-03	-29.88	-6.96e-03	-0.02	0.0
45	10	-1.28e-05	-2.20e-03	30.37	1.40e-03	0.02	0.0
45	12	2.92e-05	5.34e-03	-34.88	-7.29e-03	-0.02	0.0
45	13	13.98	3.94	24.24	-2.03e-03	8.87e-03	4.40e-04
45	16	-13.98	-3.94	-32.45	1.07e-04	-0.01	-4.40e-04
45	33	3.54	16.72	4.40	-4.52e-03	7.79e-04	9.61e-05
45	48	-5.95	-1.09	-16.13	-6.26e-04	-7.12e-03	-2.00e-04
45	50	5.95	-2.11	7.32	-6.26e-04	2.43e-03	2.00e-04
45	73	0.61	5.63	-1.02	-2.07e-03	-1.81e-03	-1.36e-04
45	78	1.81e-05	3.32e-03	-20.14	-4.69e-03	-0.01	0.0
45	84	6.80e-06	1.24e-03	-7.31	-1.71e-03	-4.17e-03	0.0
45	87	3.97e-06	7.25e-04	-4.11	-9.60e-04	-2.35e-03	0.0
46	3	2.17e-05	5.47e-03	3.49	-6.96e-03	0.0	0.0
46	12	2.37e-05	5.94e-03	3.71	-7.29e-03	0.0	0.0
46	13	13.98	5.02	1.00	-2.03e-03	9.85e-03	4.40e-04
46	29	5.34	16.75	2.17	-4.51e-03	3.69e-03	3.55e-04
46	33	3.54	16.75	2.17	-4.52e-03	2.53e-03	9.64e-05
46	50	5.95	-1.59	0.34	-6.26e-04	4.18e-03	2.00e-04
46	61	2.13	5.32	1.02	-2.07e-03	1.47e-03	1.23e-04
46	65	1.37	5.32	1.02	-2.07e-03	9.83e-04	2.38e-06
46	78	1.47e-05	3.70e-03	2.35	-4.69e-03	0.0	0.0
46	84	5.52e-06	1.38e-03	0.87	-1.71e-03	0.0	0.0
46	87	3.23e-06	8.07e-04	0.49	-9.60e-04	0.0	0.0
47	3	3.90e-05	5.42e-03	10.34	-5.59e-03	0.0	0.0
47	12	4.25e-05	5.88e-03	10.64	-5.53e-03	0.0	0.0
47	13	14.01	5.02	3.11	-1.79e-03	0.01	4.40e-04
47	29	5.57	16.75	7.14	-4.33e-03	3.85e-03	3.55e-04
47	33	3.64	16.75	7.14	-4.33e-03	2.66e-03	9.63e-05
47	50	5.95	-1.59	0.84	-3.58e-04	4.32e-03	2.00e-04
47	61	2.19	5.32	3.18	-1.83e-03	1.53e-03	1.23e-04
47	65	1.38	5.32	3.18	-1.83e-03	1.02e-03	2.35e-06
47	78	2.64e-05	3.66e-03	6.97	-3.76e-03	0.0	0.0
47	84	9.91e-06	1.37e-03	2.50	-1.31e-03	0.0	0.0
47	87	5.79e-06	7.99e-04	1.38	-6.98e-04	0.0	0.0

48	3	2.39e-04	4.95e-03	-7.43	-5.59e-03	-9.06e-03	0.0
48	10	-1.15e-04	-2.21e-03	31.80	-1.02e-03	0.02	0.0
48	12	2.60e-04	5.37e-03	-12.36	-5.53e-03	-0.01	0.0
48	13	14.01	3.94	28.05	-1.79e-03	9.64e-03	4.40e-04
48	16	-14.01	-3.94	-31.57	3.91e-04	-0.01	-4.40e-04
48	33	3.64	16.72	11.13	-4.33e-03	1.86e-03	9.62e-05
48	48	-5.95	-1.09	-14.25	-3.58e-04	-6.37e-03	-2.00e-04
48	50	5.95	-2.11	9.37	-3.58e-04	3.16e-03	2.00e-04
48	73	0.49	5.63	2.57	-1.83e-03	-1.11e-03	-1.36e-04
48	78	1.61e-04	3.34e-03	-5.12	-3.76e-03	-6.16e-03	0.0
48	81	-6.20e-05	-1.18e-03	20.54	-9.73e-04	0.01	0.0
48	84	6.06e-05	1.25e-03	-2.43	-1.31e-03	-2.51e-03	0.0
48	85	1.60e-05	3.47e-04	2.70	-7.53e-04	8.11e-04	0.0
48	87	3.55e-05	7.29e-04	-1.76	-6.98e-04	-1.60e-03	0.0
49	3	0.0	2.05e-03	-4.06	-5.86e-03	0.0	0.0
49	10	0.0	-8.76e-04	4.18	5.34e-03	0.0	0.0
49	12	0.0	2.22e-03	-4.77	-6.77e-03	0.0	0.0
49	16	-14.08	-5.02	-0.56	-1.06e-03	-0.01	-3.41e-04
49	31	-3.39	16.75	-1.14	-6.67e-04	-2.31e-03	9.81e-05
49	35	-2.55	16.75	-1.14	-6.67e-04	-1.72e-03	3.05e-04
49	51	-6.03	1.60	-0.73	-9.40e-04	-4.58e-03	-1.45e-04
49	63	-1.55	5.32	-0.83	-8.75e-04	-1.10e-03	1.75e-05
49	75	-1.67	5.32	-0.83	-8.75e-04	-1.35e-03	-1.97e-06
49	78	0.0	1.39e-03	-2.76	-3.97e-03	0.0	0.0
49	84	0.0	5.18e-04	-1.11	-1.57e-03	0.0	0.0
49	87	0.0	3.01e-04	-0.69	-9.68e-04	0.0	0.0
50	3	9.39e-05	1.73e-03	-37.42	-5.86e-03	0.02	0.0
50	12	1.02e-04	1.87e-03	-43.36	-6.77e-03	0.02	0.0
50	13	14.08	5.61	-35.94	-8.78e-04	0.01	2.80e-04
50	35	-2.55	16.82	-0.78	-6.67e-04	6.79e-04	2.66e-04
50	45	6.03	1.87	-18.29	-9.40e-04	7.52e-03	1.19e-04
50	49	5.89	1.92	-18.34	-9.40e-04	7.31e-03	9.21e-05
50	75	-1.67	5.55	-3.11	-8.75e-04	7.32e-04	8.73e-06
50	78	6.35e-05	1.17e-03	-25.25	-3.97e-03	0.01	0.0
50	84	2.37e-05	4.37e-04	-9.28	-1.57e-03	4.17e-03	0.0
50	87	1.38e-05	2.54e-04	-5.29	-9.68e-04	2.35e-03	0.0
51	3	-9.40e-05	1.73e-03	-37.42	-5.86e-03	-0.02	0.0
51	12	-1.02e-04	1.87e-03	-43.36	-6.77e-03	-0.02	0.0
51	15	-13.62	5.76	-36.07	-8.78e-04	-0.01	-1.93e-04
51	16	-14.08	-4.44	-34.14	-1.06e-03	-0.01	-2.80e-04
51	33	4.08	17.32	-1.22	-6.67e-04	1.83e-03	2.32e-05
51	47	-5.89	1.92	-18.34	-9.40e-04	-7.31e-03	-9.21e-05
51	51	-6.03	1.87	-18.29	-9.40e-04	-7.52e-03	-1.19e-04
51	65	1.67	5.55	-3.11	-8.75e-04	-7.32e-04	-8.73e-06
51	78	-6.35e-05	1.17e-03	-25.25	-3.97e-03	-0.01	0.0
51	84	-2.37e-05	4.37e-04	-9.28	-1.57e-03	-4.17e-03	0.0
51	87	-1.38e-05	2.54e-04	-5.29	-9.68e-04	-2.35e-03	0.0
52	3	-1.31e-04	1.75e-03	-43.39	-3.66e-03	-0.02	0.0
52	12	-1.42e-04	1.89e-03	-50.24	-4.20e-03	-0.02	0.0
52	16	-13.78	-4.44	-38.35	-7.91e-04	-0.02	-3.05e-04
52	33	4.03	17.32	4.53	4.90e-05	2.06e-03	3.98e-05
52	51	-5.91	1.87	-19.97	-5.36e-04	-7.84e-03	-1.30e-04
52	65	1.66	5.55	-2.06	-3.92e-04	-6.35e-04	-4.21e-06
52	78	-8.85e-05	1.18e-03	-29.30	-2.48e-03	-0.01	0.0
52	84	-3.31e-05	4.41e-04	-10.88	-9.74e-04	-4.17e-03	0.0
52	87	-1.92e-05	2.56e-04	-6.27	-5.97e-04	-2.35e-03	0.0
53	3	1.31e-04	1.75e-03	-43.39	-3.66e-03	0.02	0.0
53	12	1.42e-04	1.89e-03	-50.24	-4.20e-03	0.02	0.0
53	13	13.78	5.61	-38.44	-4.03e-04	0.02	3.05e-04
53	35	-2.85	16.81	-1.48	4.93e-05	4.57e-04	2.82e-04
53	45	5.91	1.87	-19.97	-5.36e-04	7.84e-03	1.30e-04
53	75	-1.66	5.55	-2.06	-3.92e-04	6.34e-04	4.21e-06
53	78	8.85e-05	1.18e-03	-29.30	-2.48e-03	0.01	0.0
53	84	3.31e-05	4.41e-04	-10.88	-9.74e-04	4.17e-03	0.0
53	87	1.92e-05	2.56e-04	-6.27	-5.97e-04	2.35e-03	0.0
54	3	0.0	1.84e-03	-10.03	-3.66e-03	0.0	0.0
54	12	0.0	1.99e-03	-11.65	-4.20e-03	0.0	0.0
54	16	-13.78	-5.02	-1.53	-7.91e-04	-0.01	-2.89e-04
54	31	-3.49	16.75	-2.14	4.92e-05	-2.44e-03	7.75e-05
54	35	-2.85	16.75	-2.14	4.93e-05	-1.95e-03	2.72e-04
54	51	-5.91	1.60	-1.72	-5.36e-04	-4.74e-03	-1.23e-04
54	63	-1.57	5.32	-1.81	-3.92e-04	-1.16e-03	1.40e-05
54	67	-1.30	5.32	-1.81	-3.92e-04	-9.56e-04	1.01e-04
54	78	0.0	1.24e-03	-6.80	-2.48e-03	0.0	0.0
54	84	0.0	4.64e-04	-2.70	-9.74e-04	0.0	0.0
54	87	0.0	2.69e-04	-1.67	-5.97e-04	0.0	0.0
55	3	0.0	1.65e-03	-11.08	1.95e-03	0.0	0.0

55	12	0.0	1.78e-03	-12.83	2.27e-03	0.0	0.0
55	16	-13.49	-5.02	-2.14	1.71e-04	-0.01	-3.05e-04
55	31	-3.60	16.75	-0.83	8.44e-04	-2.55e-03	8.28e-05
55	36	-3.97	-16.75	-2.84	-1.91e-04	-3.56e-03	-3.97e-05
55	51	-5.79	1.60	-1.74	3.76e-04	-4.68e-03	-1.29e-04
55	63	-1.60	5.32	-1.52	4.91e-04	-1.19e-03	1.49e-05
55	68	-1.66	-5.32	-2.15	1.62e-04	-1.42e-03	4.05e-06
55	78	0.0	1.11e-03	-7.52	1.32e-03	0.0	0.0
55	84	0.0	4.16e-04	-2.97	5.25e-04	0.0	0.0
55	87	0.0	2.42e-04	-1.84	3.26e-04	0.0	0.0
56	3	1.31e-04	1.73e-03	-44.44	1.95e-03	0.02	0.0
56	12	1.42e-04	1.88e-03	-51.42	2.27e-03	0.02	0.0
56	13	13.49	5.61	-36.44	4.82e-04	0.02	2.97e-04
56	14	13.24	-4.29	-38.37	1.71e-04	0.01	2.03e-04
56	35	-3.15	16.81	5.00	8.44e-04	1.92e-04	2.78e-04
56	46	5.71	-1.28	-20.07	2.77e-04	7.61e-03	9.74e-05
56	50	5.79	-1.33	-19.96	2.77e-04	7.79e-03	1.26e-04
56	75	-1.66	5.55	-2.30	4.91e-04	6.56e-04	5.82e-06
56	78	8.85e-05	1.17e-03	-30.01	1.32e-03	0.01	0.0
56	84	3.31e-05	4.38e-04	-11.15	5.25e-04	4.17e-03	0.0
56	87	1.92e-05	2.54e-04	-6.44	3.26e-04	2.35e-03	0.0
57	3	-1.31e-04	1.73e-03	-44.44	1.95e-03	-0.02	0.0
57	12	-1.42e-04	1.88e-03	-51.42	2.27e-03	-0.02	0.0
57	16	-13.49	-4.44	-38.09	1.71e-04	-0.02	-2.97e-04
57	33	3.97	17.32	4.05	8.44e-04	1.93e-03	3.45e-05
57	48	-5.79	-1.33	-19.96	2.77e-04	-7.79e-03	-1.26e-04
57	52	-5.71	-1.28	-20.07	2.77e-04	-7.61e-03	-9.74e-05
57	65	1.66	5.55	-2.30	4.91e-04	-6.56e-04	-5.82e-06
57	78	-8.85e-05	1.17e-03	-30.01	1.32e-03	-0.01	0.0
57	84	-3.31e-05	4.38e-04	-11.15	5.25e-04	-4.17e-03	0.0
57	87	-1.92e-05	2.54e-04	-6.44	3.26e-04	-2.35e-03	0.0
58	3	-9.40e-05	1.75e-03	-39.65	5.76e-03	-0.02	0.0
58	12	-1.02e-04	1.90e-03	-45.87	6.67e-03	-0.02	0.0
58	16	-13.19	-4.44	-34.96	1.02e-03	-0.01	-3.05e-04
58	33	3.92	17.32	4.10	7.39e-04	1.47e-03	3.99e-05
58	48	-5.67	-1.33	-18.14	9.73e-04	-7.33e-03	-1.29e-04
58	52	-5.62	-1.28	-18.25	9.73e-04	-7.21e-03	-9.99e-05
58	65	1.66	5.55	-1.74	8.88e-04	-8.08e-04	-3.81e-06
58	78	-6.35e-05	1.18e-03	-26.76	3.91e-03	-0.01	0.0
58	84	-2.37e-05	4.43e-04	-9.87	1.54e-03	-4.17e-03	0.0
58	87	-1.38e-05	2.57e-04	-5.64	9.53e-04	-2.35e-03	0.0
59	3	9.40e-05	1.75e-03	-39.65	5.76e-03	0.02	0.0
59	12	1.02e-04	1.90e-03	-45.87	6.67e-03	0.02	0.0
59	13	13.19	5.61	-33.66	8.89e-04	0.01	3.05e-04
59	14	13.05	-4.29	-35.23	1.02e-03	0.01	2.09e-04
59	35	-3.45	16.81	5.01	7.39e-04	-7.49e-05	2.78e-04
59	46	5.62	-1.28	-18.25	9.73e-04	7.21e-03	9.99e-05
59	50	5.67	-1.33	-18.14	9.73e-04	7.33e-03	1.29e-04
59	75	-1.66	5.55	-1.74	8.88e-04	8.08e-04	3.81e-06
59	78	6.35e-05	1.18e-03	-26.76	3.91e-03	0.01	0.0
59	84	2.37e-05	4.43e-04	-9.87	1.54e-03	4.17e-03	0.0
59	87	1.38e-05	2.57e-04	-5.64	9.53e-04	2.35e-03	0.0
60	3	0.0	1.43e-03	-6.29	5.76e-03	0.0	0.0
60	12	0.0	1.55e-03	-7.28	6.67e-03	0.0	0.0
60	13	13.19	5.02	-0.68	8.89e-04	0.01	2.90e-04
60	31	-3.71	16.75	0.17	7.39e-04	-2.62e-03	8.09e-05
60	36	-3.92	-16.75	-2.26	1.17e-03	-3.26e-03	-2.90e-05
60	45	5.67	1.60	-0.93	9.33e-04	4.37e-03	1.24e-04
60	63	-1.62	5.32	-0.66	8.88e-04	-1.18e-03	1.47e-05
60	68	-1.66	-5.32	-1.43	1.02e-03	-1.33e-03	8.07e-06
60	78	0.0	9.67e-04	-4.27	3.91e-03	0.0	0.0
60	84	0.0	3.61e-04	-1.69	1.54e-03	0.0	0.0
60	87	0.0	2.10e-04	-1.04	9.53e-04	0.0	0.0
61	3	0.0	1.16e-03	-0.65	2.59e-03	0.0	0.0
61	12	0.0	1.26e-03	-0.75	3.00e-03	0.0	0.0
61	13	12.90	5.02	0.02	5.23e-05	9.12e-03	3.44e-04
61	31	-3.81	16.75	0.33	-8.35e-04	-2.64e-03	8.12e-05
61	34	3.76	-16.74	-0.55	1.70e-03	2.60e-03	-2.76e-04
61	45	5.55	1.60	-0.07	3.12e-04	3.90e-03	1.45e-04
61	63	-1.65	5.32	0.03	3.14e-05	-1.14e-03	1.35e-05
61	66	1.62	-5.32	-0.25	8.34e-04	1.12e-03	-9.93e-05
61	78	0.0	7.85e-04	-0.44	1.76e-03	0.0	0.0
61	84	0.0	2.93e-04	-0.18	6.98e-04	0.0	0.0
61	87	0.0	1.71e-04	-0.11	4.32e-04	0.0	0.0
62	3	-1.38e-04	1.86e-03	-18.42	2.59e-03	9.06e-03	0.0
62	10	5.87e-05	-7.94e-04	33.26	-2.39e-03	-0.02	0.0
62	12	-1.49e-04	2.01e-03	-23.76	3.00e-03	0.01	0.0

62	14	12.87	-4.29	-28.53	8.13e-04	0.01	1.92e-04
62	16	-12.90	-5.61	21.58	8.13e-04	-8.28e-03	-2.83e-04
62	35	-3.76	16.82	4.88	-8.36e-04	-1.14e-03	2.80e-04
62	46	5.54	-1.28	-14.05	5.53e-04	5.80e-03	9.34e-05
62	48	-5.55	-1.86	7.41	5.53e-04	-2.63e-03	-1.21e-04
62	75	-1.66	5.55	0.06	3.13e-05	3.28e-04	1.06e-05
62	78	-9.29e-05	1.26e-03	-12.53	1.76e-03	6.16e-03	0.0
62	81	3.10e-05	-4.19e-04	20.90	-1.42e-03	-0.01	0.0
62	84	-3.47e-05	4.70e-04	-5.11	6.98e-04	2.51e-03	0.0
62	87	-2.02e-05	2.73e-04	-3.25	4.32e-04	1.60e-03	0.0
63	3	1.38e-04	1.86e-03	-18.42	2.59e-03	-9.06e-03	0.0
63	10	-5.88e-05	-7.94e-04	33.26	-2.39e-03	0.02	0.0
63	12	1.49e-04	2.01e-03	-23.76	3.00e-03	-0.01	0.0
63	13	12.90	4.44	21.95	5.23e-05	8.27e-03	2.83e-04
63	16	-12.90	-4.44	-28.46	8.13e-04	-0.01	-2.83e-04
63	33	3.86	17.32	4.65	-8.35e-04	1.42e-03	2.30e-05
63	50	5.55	-1.86	7.41	5.53e-04	2.63e-03	1.21e-04
63	52	-5.54	-1.28	-14.05	5.53e-04	-5.80e-03	-9.34e-05
63	65	1.66	5.55	0.06	3.15e-05	-3.28e-04	-1.06e-05
63	78	9.29e-05	1.26e-03	-12.53	1.76e-03	-6.16e-03	0.0
63	81	-3.10e-05	-4.19e-04	20.90	-1.42e-03	0.01	0.0
63	84	3.47e-05	4.70e-04	-5.11	6.98e-04	-2.51e-03	0.0
63	87	2.02e-05	2.73e-04	-3.25	4.32e-04	-1.60e-03	0.0
64	3	0.0	-1.20e-03	-0.65	-2.59e-03	0.0	0.0
64	12	0.0	-1.30e-03	-0.75	-3.00e-03	0.0	0.0
64	22	12.90	-5.02	0.02	-5.19e-05	9.12e-03	-3.44e-04
64	30	3.86	-16.75	0.33	8.35e-04	2.78e-03	-6.25e-05
64	35	-3.92	16.74	-0.55	-1.70e-03	-2.82e-03	2.57e-04
64	57	5.55	1.60	-0.15	-5.53e-04	3.90e-03	-1.45e-04
64	62	1.66	-5.32	0.03	-3.14e-05	1.17e-03	-5.14e-06
64	67	-1.68	5.32	-0.25	-8.34e-04	-1.19e-03	9.10e-05
64	78	0.0	-8.11e-04	-0.44	-1.76e-03	0.0	0.0
64	84	0.0	-3.03e-04	-0.18	-6.98e-04	0.0	0.0
64	87	0.0	-1.76e-04	-0.11	-4.32e-04	0.0	0.0
65	3	1.38e-04	-1.90e-03	-18.42	-2.59e-03	-9.06e-03	0.0
65	10	-5.88e-05	8.12e-04	33.26	2.39e-03	0.02	0.0
65	12	1.49e-04	-2.06e-03	-23.76	-3.00e-03	-0.01	0.0
65	22	12.90	-4.44	21.95	-5.19e-05	8.27e-03	-2.83e-04
65	23	-12.90	4.44	-28.46	-8.13e-04	-0.01	2.83e-04
65	30	3.86	-17.32	4.65	8.35e-04	1.42e-03	-2.30e-05
65	57	5.55	1.86	7.41	-5.53e-04	2.63e-03	-1.21e-04
65	59	-5.54	1.28	-14.05	-5.53e-04	-5.80e-03	9.34e-05
65	62	1.66	-5.55	0.06	-3.14e-05	-3.28e-04	1.06e-05
65	78	9.29e-05	-1.28e-03	-12.53	-1.76e-03	-6.16e-03	0.0
65	81	-3.10e-05	4.29e-04	20.90	1.42e-03	0.01	0.0
65	84	3.47e-05	-4.80e-04	-5.11	-6.98e-04	-2.51e-03	0.0
65	87	2.02e-05	-2.79e-04	-3.25	-4.32e-04	-1.60e-03	0.0
66	3	-1.38e-04	-1.90e-03	-18.42	-2.59e-03	9.06e-03	0.0
66	10	5.87e-05	8.12e-04	33.26	2.39e-03	-0.02	0.0
66	12	-1.49e-04	-2.06e-03	-23.76	-3.00e-03	0.01	0.0
66	21	12.87	4.29	-28.53	-8.13e-04	0.01	-1.92e-04
66	23	-12.90	5.61	21.58	-8.13e-04	-8.28e-03	2.83e-04
66	32	-3.76	-16.82	4.88	8.35e-04	-1.14e-03	-2.80e-04
66	53	5.54	1.28	-14.05	-5.53e-04	5.80e-03	-9.34e-05
66	55	-5.55	1.86	7.41	-5.53e-04	-2.63e-03	1.21e-04
66	72	-1.66	-5.55	0.06	-3.14e-05	3.28e-04	-1.06e-05
66	78	-9.29e-05	-1.28e-03	-12.53	-1.76e-03	6.16e-03	0.0
66	81	3.10e-05	4.29e-04	20.90	1.42e-03	-0.01	0.0
66	84	-3.47e-05	-4.80e-04	-5.11	-6.98e-04	2.51e-03	0.0
66	87	-2.02e-05	-2.79e-04	-3.25	-4.32e-04	1.60e-03	0.0
67	3	9.40e-05	-1.79e-03	-39.65	-5.76e-03	0.02	0.0
67	12	1.02e-04	-1.94e-03	-45.87	-6.67e-03	0.02	0.0
67	21	13.05	4.29	-35.23	-1.02e-03	0.01	-2.09e-04
67	22	13.19	-5.61	-33.66	-8.89e-04	0.01	-3.05e-04
67	32	-3.45	-16.81	5.01	-7.39e-04	-7.48e-05	-2.78e-04
67	53	5.62	1.28	-18.25	-9.73e-04	7.21e-03	-9.99e-05
67	57	5.67	1.33	-18.14	-9.73e-04	7.33e-03	-1.29e-04
67	72	-1.66	-5.55	-1.74	-8.88e-04	8.08e-04	-3.81e-06
67	78	6.35e-05	-1.21e-03	-26.76	-3.91e-03	0.01	0.0
67	84	2.37e-05	-4.52e-04	-9.87	-1.54e-03	4.17e-03	0.0
67	87	1.38e-05	-2.63e-04	-5.64	-9.53e-04	2.35e-03	0.0
68	3	-9.39e-05	-1.79e-03	-39.65	-5.76e-03	-0.02	0.0
68	12	-1.02e-04	-1.94e-03	-45.87	-6.67e-03	-0.02	0.0
68	23	-13.19	4.44	-34.96	-1.02e-03	-0.01	3.05e-04
68	30	3.92	-17.32	4.10	-7.39e-04	1.47e-03	-3.99e-05
68	55	-5.67	1.33	-18.14	-9.73e-04	-7.33e-03	1.29e-04
68	59	-5.62	1.28	-18.25	-9.73e-04	-7.21e-03	9.99e-05

68	62	1.66	-5.55	-1.74	-8.88e-04	-8.08e-04	3.81e-06
68	78	-6.35e-05	-1.21e-03	-26.76	-3.91e-03	-0.01	0.0
68	84	-2.37e-05	-4.52e-04	-9.87	-1.54e-03	-4.17e-03	0.0
68	87	-1.38e-05	-2.63e-04	-5.64	-9.53e-04	-2.35e-03	0.0
69	3	0.0	-1.47e-03	-6.29	-5.76e-03	0.0	0.0
69	12	0.0	-1.59e-03	-7.28	-6.67e-03	0.0	0.0
69	22	13.19	-5.02	-0.68	-8.89e-04	0.01	-2.90e-04
69	30	3.92	-16.75	0.17	-7.39e-04	3.26e-03	-2.90e-05
69	35	-4.17	16.75	-2.26	-1.17e-03	-3.46e-03	2.27e-04
69	57	5.67	1.60	-1.16	-9.73e-04	4.37e-03	-1.24e-04
69	62	1.66	-5.32	-0.66	-8.88e-04	1.33e-03	8.08e-06
69	67	-1.76	5.32	-1.43	-1.02e-03	-1.42e-03	8.04e-05
69	78	0.0	-9.93e-04	-4.27	-3.91e-03	0.0	0.0
69	84	0.0	-3.71e-04	-1.69	-1.54e-03	0.0	0.0
69	87	0.0	-2.16e-04	-1.04	-9.53e-04	0.0	0.0
70	3	0.0	-1.68e-03	-11.08	-1.95e-03	0.0	0.0
70	12	0.0	-1.82e-03	-12.83	-2.27e-03	0.0	0.0
70	22	13.49	-5.02	-1.54	-4.82e-04	0.01	-3.05e-04
70	30	3.97	-16.75	-0.83	-8.44e-04	3.56e-03	-3.97e-05
70	33	3.60	16.75	-2.84	1.91e-04	2.55e-03	8.28e-05
70	57	5.79	1.60	-1.93	-2.77e-04	4.68e-03	-1.29e-04
70	62	1.66	-5.32	-1.52	-4.91e-04	1.42e-03	4.05e-06
70	65	1.60	5.32	-2.15	-1.62e-04	1.19e-03	1.49e-05
70	78	0.0	-1.14e-03	-7.52	-1.32e-03	0.0	0.0
70	84	0.0	-4.25e-04	-2.97	-5.25e-04	0.0	0.0
70	87	0.0	-2.47e-04	-1.84	-3.26e-04	0.0	0.0
71	3	-1.31e-04	-1.77e-03	-44.44	-1.95e-03	-0.02	0.0
71	12	-1.42e-04	-1.92e-03	-51.42	-2.27e-03	-0.02	0.0
71	23	-13.49	4.44	-38.09	-1.71e-04	-0.02	2.97e-04
71	30	3.97	-17.32	4.05	-8.44e-04	1.93e-03	-3.45e-05
71	55	-5.79	1.33	-19.96	-2.77e-04	-7.79e-03	1.26e-04
71	59	-5.71	1.28	-20.07	-2.77e-04	-7.61e-03	9.74e-05
71	62	1.66	-5.55	-2.30	-4.91e-04	-6.56e-04	5.82e-06
71	78	-8.85e-05	-1.20e-03	-30.01	-1.32e-03	-0.01	0.0
71	84	-3.31e-05	-4.48e-04	-11.15	-5.25e-04	-4.17e-03	0.0
71	87	-1.92e-05	-2.60e-04	-6.44	-3.26e-04	-2.35e-03	0.0
72	3	1.31e-04	-1.77e-03	-44.44	-1.95e-03	0.02	0.0
72	12	1.42e-04	-1.92e-03	-51.42	-2.27e-03	0.02	0.0
72	21	13.24	4.29	-38.37	-1.71e-04	0.01	-2.03e-04
72	22	13.49	-5.61	-36.44	-4.82e-04	0.02	-2.97e-04
72	32	-3.15	-16.81	5.00	-8.44e-04	1.92e-04	-2.78e-04
72	53	5.71	1.28	-20.07	-2.77e-04	7.61e-03	-9.74e-05
72	57	5.79	1.33	-19.96	-2.77e-04	7.79e-03	-1.26e-04
72	72	-1.66	-5.55	-2.30	-4.91e-04	6.56e-04	-5.82e-06
72	78	8.85e-05	-1.20e-03	-30.01	-1.32e-03	0.01	0.0
72	84	3.31e-05	-4.48e-04	-11.15	-5.25e-04	4.17e-03	0.0
72	87	1.92e-05	-2.60e-04	-6.44	-3.26e-04	2.35e-03	0.0
73	3	1.31e-04	-1.79e-03	-43.39	3.66e-03	0.02	0.0
73	12	1.42e-04	-1.93e-03	-50.24	4.20e-03	0.02	0.0
73	22	13.78	-5.61	-38.44	4.03e-04	0.02	-3.05e-04
73	32	-2.85	-16.81	-1.48	-4.92e-05	4.57e-04	-2.82e-04
73	54	5.91	-1.87	-19.97	5.36e-04	7.84e-03	-1.30e-04
73	72	-1.66	-5.55	-2.06	3.92e-04	6.35e-04	-4.21e-06
73	78	8.85e-05	-1.21e-03	-29.30	2.48e-03	0.01	0.0
73	84	3.31e-05	-4.51e-04	-10.88	9.74e-04	4.17e-03	0.0
73	87	1.92e-05	-2.62e-04	-6.27	5.97e-04	2.35e-03	0.0
74	3	-1.31e-04	-1.79e-03	-43.39	3.66e-03	-0.02	0.0
74	12	-1.42e-04	-1.93e-03	-50.24	4.20e-03	-0.02	0.0
74	23	-13.78	4.44	-38.35	7.92e-04	-0.02	3.05e-04
74	30	4.03	-17.32	4.53	-4.92e-05	2.06e-03	-3.98e-05
74	60	-5.91	-1.87	-19.97	5.36e-04	-7.84e-03	1.30e-04
74	62	1.66	-5.55	-2.06	3.92e-04	-6.35e-04	4.21e-06
74	78	-8.85e-05	-1.21e-03	-29.30	2.48e-03	-0.01	0.0
74	84	-3.31e-05	-4.51e-04	-10.88	9.74e-04	-4.17e-03	0.0
74	87	-1.92e-05	-2.62e-04	-6.27	5.97e-04	-2.35e-03	0.0
75	3	0.0	-1.87e-03	-10.03	3.66e-03	0.0	0.0
75	12	0.0	-2.03e-03	-11.65	4.20e-03	0.0	0.0
75	22	13.78	-5.02	-1.81	4.03e-04	0.01	-2.89e-04
75	30	4.03	-16.75	-2.14	-4.92e-05	3.62e-03	-2.90e-05
75	34	4.67	-16.75	-2.14	-4.92e-05	4.10e-03	-2.24e-04
75	57	5.91	1.60	-1.63	6.59e-04	4.74e-03	-1.23e-04
75	62	1.66	-5.32	-1.81	3.92e-04	1.43e-03	7.24e-06
75	66	1.94	-5.32	-1.81	3.92e-04	1.64e-03	-7.93e-05
75	78	0.0	-1.27e-03	-6.80	2.48e-03	0.0	0.0
75	84	0.0	-4.73e-04	-2.70	9.74e-04	0.0	0.0
75	87	0.0	-2.75e-04	-1.67	5.97e-04	0.0	0.0
76	3	0.0	-2.09e-03	-4.06	5.86e-03	0.0	0.0

76	10	0.0	8.94e-04	4.18	-5.34e-03	0.0	0.0
76	12	0.0	-2.26e-03	-4.77	6.77e-03	0.0	0.0
76	22	14.08	-5.02	-0.83	8.78e-04	0.01	-3.41e-04
76	30	4.08	-16.75	-1.14	6.67e-04	3.43e-03	-6.29e-05
76	34	4.92	-16.75	-1.14	6.67e-04	4.02e-03	-2.69e-04
76	57	6.03	1.60	-0.65	9.96e-04	4.58e-03	-1.45e-04
76	62	1.67	-5.32	-0.83	8.75e-04	1.35e-03	-1.96e-06
76	66	2.02	-5.32	-0.83	8.75e-04	1.60e-03	-9.43e-05
76	78	0.0	-1.41e-03	-2.76	3.97e-03	0.0	0.0
76	84	0.0	-5.28e-04	-1.11	1.57e-03	0.0	0.0
76	87	0.0	-3.07e-04	-0.69	9.68e-04	0.0	0.0
77	3	-9.40e-05	-1.77e-03	-37.42	5.86e-03	-0.02	0.0
77	12	-1.02e-04	-1.91e-03	-43.36	6.77e-03	-0.02	0.0
77	23	-14.08	4.44	-34.14	1.06e-03	-0.01	2.80e-04
77	24	-13.62	-5.76	-36.07	8.78e-04	-0.01	1.93e-04
77	30	4.08	-17.32	-1.22	6.67e-04	1.83e-03	-2.32e-05
77	56	-5.89	-1.92	-18.34	9.40e-04	-7.31e-03	9.21e-05
77	60	-6.03	-1.87	-18.29	9.40e-04	-7.52e-03	1.19e-04
77	62	1.67	-5.55	-3.11	8.75e-04	-7.32e-04	8.74e-06
77	78	-6.35e-05	-1.19e-03	-25.25	3.97e-03	-0.01	0.0
77	84	-2.37e-05	-4.47e-04	-9.28	1.57e-03	-4.17e-03	0.0
77	87	-1.38e-05	-2.60e-04	-5.29	9.68e-04	-2.35e-03	0.0
78	3	9.40e-05	-1.77e-03	-37.42	5.86e-03	0.02	0.0
78	12	1.02e-04	-1.91e-03	-43.36	6.77e-03	0.02	0.0
78	22	14.08	-5.61	-35.94	8.78e-04	0.01	-2.80e-04
78	32	-2.55	-16.82	-0.78	6.67e-04	6.79e-04	-2.66e-04
78	54	6.03	-1.87	-18.29	9.40e-04	7.52e-03	-1.19e-04
78	58	5.89	-1.92	-18.34	9.40e-04	7.31e-03	-9.21e-05
78	72	-1.67	-5.55	-3.11	8.75e-04	7.31e-04	-8.74e-06
78	78	6.35e-05	-1.19e-03	-25.25	3.97e-03	0.01	0.0
78	84	2.37e-05	-4.47e-04	-9.28	1.57e-03	4.17e-03	0.0
78	87	1.38e-05	-2.60e-04	-5.29	9.68e-04	2.35e-03	0.0
79	3	-1.38e-04	-1.66e-03	-17.78	-5.60e-04	9.06e-03	0.0
79	10	5.87e-05	7.10e-04	32.78	-1.50e-04	-0.02	0.0
79	12	-1.49e-04	-1.80e-03	-23.03	-5.46e-04	0.01	0.0
79	22	14.38	-5.61	-30.94	1.54e-04	0.01	-3.81e-04
79	23	-14.38	5.61	24.64	-2.83e-04	-9.33e-03	3.81e-04
79	32	-2.25	-16.82	0.82	6.62e-04	1.20e-04	-3.30e-04
79	57	6.15	1.33	-14.97	-1.34e-04	6.25e-03	-1.62e-04
79	60	-6.15	-1.33	8.67	4.78e-06	-3.04e-03	1.62e-04
79	72	-1.67	-5.55	0.27	1.67e-04	2.56e-04	8.78e-06
79	78	-9.29e-05	-1.12e-03	-12.09	-3.75e-04	6.16e-03	0.0
79	81	3.10e-05	3.75e-04	20.62	-1.28e-04	-0.01	0.0
79	84	-3.47e-05	-4.19e-04	-4.94	-1.27e-04	2.51e-03	0.0
79	87	-2.02e-05	-2.44e-04	-3.15	-6.45e-05	1.60e-03	0.0
80	3	1.38e-04	-1.66e-03	-17.78	-5.60e-04	-9.06e-03	0.0
80	10	-5.88e-05	7.10e-04	32.78	-1.50e-04	0.02	0.0
80	12	1.49e-04	-1.80e-03	-23.03	-5.46e-04	-0.01	0.0
80	22	14.38	-4.44	24.70	1.54e-04	9.34e-03	-3.82e-04
80	23	-14.38	4.44	-31.00	-2.83e-04	-0.01	3.81e-04
80	30	4.14	-17.32	5.64	6.62e-04	1.87e-03	-8.83e-05
80	54	6.15	-1.33	8.67	5.21e-06	3.04e-03	-1.62e-04
80	55	-6.15	1.33	-14.97	-1.34e-04	-6.25e-03	1.62e-04
80	62	1.67	-5.55	0.27	1.67e-04	-2.56e-04	-8.77e-06
80	78	9.29e-05	-1.12e-03	-12.09	-3.75e-04	-6.16e-03	0.0
80	81	-3.10e-05	3.75e-04	20.62	-1.28e-04	0.01	0.0
80	84	3.47e-05	-4.19e-04	-4.94	-1.27e-04	-2.51e-03	0.0
80	87	2.02e-05	-2.44e-04	-3.15	-6.45e-05	-1.60e-03	0.0
81	3	0.0	-2.36e-03	1.31e-03	-5.60e-04	0.0	0.0
81	10	0.0	1.01e-03	0.15	-1.50e-04	0.0	0.0
81	12	0.0	-2.55e-03	-0.02	-5.46e-04	0.0	0.0
81	22	14.38	-5.02	-0.05	1.54e-04	0.01	-1.95e-04
81	30	4.14	-16.75	-0.15	6.62e-04	3.04e-03	4.63e-05
81	34	5.17	-16.75	-0.15	6.62e-04	3.72e-03	-1.31e-04
81	57	6.15	1.60	6.49e-03	-1.34e-04	4.27e-03	-8.68e-05
81	62	1.67	-5.32	-0.05	1.67e-04	1.20e-03	2.86e-05
81	66	2.11	-5.32	-0.05	1.67e-04	1.49e-03	-5.05e-05
81	78	0.0	-1.59e-03	-2.63e-04	-3.75e-04	0.0	0.0
81	81	0.0	5.32e-04	0.10	-1.28e-04	0.0	0.0
81	84	0.0	-5.96e-04	-6.00e-03	-1.27e-04	0.0	0.0
81	85	0.0	-1.70e-04	0.01	-7.72e-05	0.0	0.0
81	87	0.0	-3.46e-04	-7.44e-03	-6.45e-05	0.0	0.0
82	3	0.0	-4.00e-03	-0.91	-4.73e-03	0.0	0.0
82	12	0.0	-4.33e-03	-1.04	-5.33e-03	0.0	0.0
82	22	14.40	-5.02	-0.11	-5.53e-04	0.01	-2.74e-04
82	30	4.10	-16.75	-0.02	-1.06e-04	3.00e-03	0.0
82	35	-5.18	16.74	-0.28	-1.39e-03	-3.72e-03	2.05e-04

82	57	6.16	1.59	-0.16	-8.06e-04	4.29e-03	-1.26e-04
82	62	1.65	-5.32	-0.11	-5.41e-04	1.19e-03	2.11e-05
82	75	-1.53	5.32	-0.19	-9.49e-04	-1.03e-03	-4.33e-06
82	78	0.0	-2.70e-03	-0.62	-3.21e-03	0.0	0.0
82	84	0.0	-1.01e-03	-0.24	-1.24e-03	0.0	0.0
82	87	0.0	-5.88e-04	-0.15	-7.45e-04	0.0	0.0
83	3	1.52e-04	-5.08e-03	-7.43	5.59e-03	-9.06e-03	0.0
83	10	-7.27e-05	2.28e-03	31.80	1.02e-03	0.02	0.0
83	12	1.65e-04	-5.52e-03	-12.36	5.53e-03	-0.01	0.0
83	22	14.01	-3.94	28.05	1.79e-03	9.64e-03	-4.40e-04
83	23	-14.01	3.94	-31.57	-3.91e-04	-0.01	4.40e-04
83	30	3.64	-16.72	11.13	4.33e-03	1.86e-03	-9.62e-05
83	55	-5.95	1.09	-14.25	3.58e-04	-6.37e-03	2.00e-04
83	57	5.95	2.11	9.37	3.58e-04	3.16e-03	-2.00e-04
83	70	0.49	-5.63	2.57	1.83e-03	-1.11e-03	1.36e-04
83	78	1.02e-04	-3.43e-03	-5.12	3.76e-03	-6.16e-03	0.0
83	81	-3.93e-05	1.22e-03	20.54	9.73e-04	0.01	0.0
83	84	3.85e-05	-1.29e-03	-2.43	1.31e-03	-2.51e-03	0.0
83	85	1.01e-05	-3.56e-04	2.70	7.53e-04	8.11e-04	0.0
83	87	2.25e-05	-7.49e-04	-1.76	6.98e-04	-1.60e-03	0.0
84	3	2.10e-04	-5.00e-03	-18.69	-4.73e-03	-9.06e-03	0.0
84	10	-1.01e-04	2.24e-03	33.34	3.36e-03	0.02	0.0
84	12	2.29e-04	-5.43e-03	-24.04	-5.33e-03	-0.01	0.0
84	22	14.40	-3.94	24.61	-5.53e-04	9.38e-03	3.51e-04
84	23	-14.40	3.94	-31.19	-9.38e-04	-0.01	-3.51e-04
84	30	4.10	-16.72	5.19	-1.06e-04	1.81e-03	-1.46e-04
84	57	6.16	2.11	8.58	-8.06e-04	3.06e-03	1.90e-04
84	60	-6.16	-2.11	-15.16	-6.84e-04	-6.27e-03	-1.90e-04
84	70	1.07	-5.63	-1.35	-5.41e-04	-8.36e-04	1.57e-04
84	78	1.42e-04	-3.38e-03	-12.71	-3.21e-03	-6.16e-03	0.0
84	81	-5.45e-05	1.20e-03	20.94	1.94e-03	0.01	0.0
84	84	5.33e-05	-1.27e-03	-5.17	-1.24e-03	-2.51e-03	0.0
84	87	3.12e-05	-7.38e-04	-3.29	-7.45e-04	-1.60e-03	0.0
85	3	-2.10e-04	-5.00e-03	-18.69	-4.73e-03	9.06e-03	0.0
85	10	1.01e-04	2.24e-03	33.34	3.36e-03	-0.02	0.0
85	12	-2.29e-04	-5.43e-03	-24.04	-5.33e-03	0.01	0.0
85	22	14.40	-6.11	-31.25	-5.53e-04	0.01	3.51e-04
85	23	-14.40	6.11	24.67	-9.38e-04	-9.38e-03	-3.51e-04
85	32	-2.21	-17.56	0.44	-1.06e-04	1.54e-04	-4.61e-04
85	54	6.16	-2.11	-15.16	-6.84e-04	6.27e-03	1.90e-04
85	55	-6.16	2.11	8.58	-8.07e-04	-3.06e-03	-1.90e-04
85	64	-1.07	-5.63	-1.35	-5.42e-04	8.36e-04	-1.57e-04
85	78	-1.42e-04	-3.38e-03	-12.71	-3.21e-03	6.16e-03	0.0
85	81	5.45e-05	1.20e-03	20.94	1.94e-03	-0.01	0.0
85	84	-5.33e-05	-1.27e-03	-5.17	-1.24e-03	2.51e-03	0.0
85	87	-3.12e-05	-7.38e-04	-3.29	-7.45e-04	1.60e-03	0.0
86	3	1.20e-04	-4.85e-03	-44.46	-0.01	0.02	0.0
86	12	1.31e-04	-5.27e-03	-51.17	-0.01	0.02	0.0
86	22	14.24	-6.11	-37.73	-2.02e-03	0.01	-4.17e-04
86	32	-2.21	-17.56	-2.38	-2.60e-03	8.23e-04	-3.77e-04
86	57	6.09	1.09	-19.71	-1.70e-03	7.65e-03	-1.90e-04
86	64	-1.04	-5.63	-4.33	-2.03e-03	1.55e-03	-1.31e-04
86	78	8.12e-05	-3.28e-03	-30.01	-7.54e-03	0.01	0.0
86	84	3.05e-05	-1.23e-03	-11.10	-2.93e-03	4.17e-03	0.0
86	87	1.78e-05	-7.15e-04	-6.37	-1.77e-03	2.35e-03	0.0
87	3	-1.20e-04	-4.85e-03	-44.46	-0.01	-0.02	0.0
87	12	-1.31e-04	-5.27e-03	-51.17	-0.01	-0.02	0.0
87	23	-14.24	3.94	-37.78	-1.53e-03	-0.01	4.17e-04
87	30	3.79	-16.72	3.14	-2.60e-03	1.47e-03	-8.32e-05
87	55	-6.09	1.09	-19.71	-1.70e-03	-7.65e-03	1.90e-04
87	70	1.04	-5.63	-4.33	-2.03e-03	-1.55e-03	1.31e-04
87	78	-8.11e-05	-3.28e-03	-30.01	-7.54e-03	-0.01	0.0
87	84	-3.05e-05	-1.23e-03	-11.10	-2.93e-03	-4.17e-03	0.0
87	87	-1.78e-05	-7.15e-04	-6.37	-1.77e-03	-2.35e-03	0.0
88	3	0.0	-4.37e-03	-11.10	-0.01	0.0	0.0
88	12	0.0	-4.74e-03	-12.58	-0.01	0.0	0.0
88	22	14.24	-5.02	-1.66	-2.02e-03	0.01	3.23e-04
88	30	3.79	-16.75	-1.41	-2.60e-03	3.17e-03	-1.22e-04
88	35	-4.99	16.74	-2.12	-9.49e-04	-4.06e-03	1.54e-04
88	57	6.09	1.59	-1.80	-1.70e-03	4.70e-03	1.75e-04
88	62	1.55	-5.32	-1.67	-2.03e-03	1.27e-03	-8.74e-06
88	67	-2.06	5.32	-1.87	-1.52e-03	-1.64e-03	1.84e-05
88	78	0.0	-2.95e-03	-7.52	-7.54e-03	0.0	0.0
88	84	0.0	-1.11e-03	-2.92	-2.93e-03	0.0	0.0
88	87	0.0	-6.44e-04	-1.77	-1.77e-03	0.0	0.0
89	3	0.0	-4.66e-03	-22.34	-7.45e-03	0.0	0.0
89	12	0.0	-5.06e-03	-25.30	-8.41e-03	0.0	0.0

89	22	14.11	-5.02	-3.99	-1.56e-03	0.01	-4.28e-04
89	30	3.56	-16.75	-5.00	-2.46e-03	3.18e-03	-8.96e-05
89	34	4.88	-16.75	-5.00	-2.46e-03	4.21e-03	-3.45e-04
89	57	6.04	1.59	-3.42	-1.06e-03	4.94e-03	-1.95e-04
89	62	1.47	-5.32	-4.00	-1.58e-03	1.28e-03	0.0
89	66	2.03	-5.32	-4.00	-1.58e-03	1.72e-03	-1.20e-04
89	78	0.0	-3.15e-03	-15.13	-5.05e-03	0.0	0.0
89	84	0.0	-1.18e-03	-5.87	-1.95e-03	0.0	0.0
89	87	0.0	-6.87e-04	-3.56	-1.18e-03	0.0	0.0
90	3	-1.64e-04	-4.84e-03	-55.70	-7.45e-03	-0.02	0.0
90	12	-1.78e-04	-5.25e-03	-63.89	-8.41e-03	-0.02	0.0
90	23	-14.11	3.94	-39.21	-7.92e-04	-0.02	4.46e-04
90	24	-13.68	-5.86	-41.67	-1.56e-03	-0.01	2.97e-04
90	30	3.56	-16.72	-5.51	-2.46e-03	1.66e-03	-9.96e-05
90	55	-6.04	1.09	-21.62	-1.06e-03	-7.99e-03	2.03e-04
90	56	-5.89	-2.03	-22.39	-1.30e-03	-7.75e-03	1.61e-04
90	70	0.99	-5.63	-5.97	-1.58e-03	-1.51e-03	1.38e-04
90	78	-1.11e-04	-3.27e-03	-37.63	-5.05e-03	-0.01	0.0
90	84	-4.16e-05	-1.22e-03	-14.05	-1.95e-03	-4.17e-03	0.0
90	87	-2.43e-05	-7.13e-04	-8.16	-1.18e-03	-2.35e-03	0.0
91	3	1.64e-04	-4.84e-03	-55.70	-7.45e-03	0.02	0.0
91	12	1.78e-04	-5.25e-03	-63.89	-8.41e-03	0.02	0.0
91	22	14.11	-6.11	-41.15	-1.56e-03	0.02	-4.46e-04
91	26	13.75	-4.18	-41.24	-1.43e-03	0.01	-3.28e-04
91	32	-2.14	-17.56	-3.75	-2.46e-03	6.79e-04	-3.99e-04
91	57	6.04	1.09	-21.62	-1.06e-03	7.99e-03	-2.03e-04
91	58	5.89	-2.03	-22.39	-1.30e-03	7.75e-03	-1.61e-04
91	64	-0.99	-5.63	-5.97	-1.58e-03	1.51e-03	-1.38e-04
91	78	1.11e-04	-3.27e-03	-37.63	-5.05e-03	0.01	0.0
91	84	4.16e-05	-1.22e-03	-14.05	-1.95e-03	4.17e-03	0.0
91	87	2.43e-05	-7.13e-04	-8.16	-1.18e-03	2.35e-03	0.0
92	3	1.58e-04	-4.90e-03	-59.53	1.07e-03	0.02	0.0
92	12	1.72e-04	-5.32e-03	-68.16	1.31e-03	0.02	0.0
92	22	14.03	-6.11	-42.35	-7.98e-05	0.02	-4.39e-04
92	26	13.65	-4.18	-42.42	1.48e-05	0.02	-3.23e-04
92	32	-1.96	-17.56	-5.40	-7.17e-04	6.48e-04	-3.93e-04
92	54	5.99	-2.11	-23.07	1.07e-04	8.05e-03	-2.00e-04
92	58	5.85	-2.03	-23.28	1.07e-04	7.83e-03	-1.58e-04
92	64	-0.92	-5.63	-6.90	-9.42e-05	1.51e-03	-1.36e-04
92	78	1.07e-04	-3.31e-03	-40.22	7.30e-04	0.01	0.0
92	84	4.01e-05	-1.24e-03	-15.04	3.01e-04	4.17e-03	0.0
92	87	2.34e-05	-7.22e-04	-8.75	1.94e-04	2.35e-03	0.0
93	3	-1.58e-04	-4.90e-03	-59.53	1.07e-03	-0.02	0.0
93	12	-1.72e-04	-5.32e-03	-68.16	1.31e-03	-0.02	0.0
93	23	-14.03	3.94	-39.79	4.68e-04	-0.02	4.39e-04
93	24	-13.58	-5.86	-42.98	-7.92e-05	-0.01	2.92e-04
93	30	3.44	-16.72	-7.49	-7.18e-04	1.67e-03	-9.54e-05
93	56	-5.85	-2.03	-23.28	1.08e-04	-7.83e-03	1.58e-04
93	60	-5.99	-2.11	-23.07	1.08e-04	-8.05e-03	2.00e-04
93	70	0.92	-5.63	-6.90	-9.42e-05	-1.51e-03	1.36e-04
93	78	-1.07e-04	-3.31e-03	-40.22	7.30e-04	-0.01	0.0
93	84	-4.01e-05	-1.24e-03	-15.04	3.01e-04	-4.17e-03	0.0
93	87	-2.34e-05	-7.22e-04	-8.75	1.94e-04	-2.35e-03	0.0
94	3	0.0	-4.89e-03	-26.17	1.07e-03	0.0	0.0
94	12	0.0	-5.30e-03	-29.57	1.31e-03	0.0	0.0
94	22	14.03	-5.02	-4.96	-7.98e-05	0.01	-4.43e-04
94	30	3.44	-16.75	-6.86	-7.18e-04	3.06e-03	-9.80e-05
94	34	4.88	-16.75	-6.86	-7.18e-04	4.19e-03	-3.58e-04
94	57	5.99	1.59	-3.89	2.80e-04	4.97e-03	-2.02e-04
94	62	1.41	-5.32	-4.99	-9.42e-05	1.24e-03	-2.77e-06
94	66	2.02	-5.32	-4.99	-9.43e-05	1.72e-03	-1.24e-04
94	78	0.0	-3.30e-03	-17.73	7.30e-04	0.0	0.0
94	84	0.0	-1.24e-03	-6.86	3.01e-04	0.0	0.0
94	87	0.0	-7.20e-04	-4.15	1.94e-04	0.0	0.0

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-14.40	-17.56	-68.16	-0.01	-0.02	-4.61e-04
	14.40	17.56	33.34	0.01	0.02	4.61e-04

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		kN	kN	kN	kN m	kN m	kN m
1	3	0.0	1.18	-56.81	-0.99	0.0	0.0
1	10	0.0	-0.71	56.20	0.60	0.0	0.0
1	12	0.0	1.31	-66.44	-1.10	0.0	0.0
1	16	-2.56	-1.51	-9.87	2.03	-7.46	-4.03e-04
1	33	0.59	5.80	-10.81	-7.43	2.00	-8.18e-05

1	35	-0.47	5.80	-10.81	-7.43	-1.22	4.16e-04
1	36	-0.59	-5.44	-9.37	7.13	-2.00	8.18e-05
1	51	-1.20	0.72	-10.16	-0.85	-3.25	-1.85e-04
1	67	-0.23	1.96	-10.31	-2.46	-0.58	1.61e-04
1	73	0.23	1.96	-10.31	-2.46	0.58	-1.61e-04
1	76	-0.23	-1.60	-9.86	2.16	-0.58	1.61e-04
1	78	0.0	0.80	-38.64	-0.67	0.0	0.0
1	81	0.0	-0.40	33.53	0.34	0.0	0.0
1	84	0.0	0.30	-15.80	-0.26	0.0	0.0
1	85	0.0	0.06	-1.37	-0.05	0.0	0.0
1	87	0.0	0.18	-10.09	-0.15	0.0	0.0
4	3	0.0	-6.52e-06	-47.96	8.38e-06	0.0	0.0
4	10	0.0	3.13e-06	50.03	-4.02e-06	0.0	0.0
4	12	0.0	-7.10e-06	-56.51	9.14e-06	0.0	0.0
4	22	2.45	-1.58	-8.76	2.10	6.72	-7.21e-04
4	23	-2.45	1.58	-8.76	-2.10	-6.72	7.21e-04
4	34	0.74	-5.28	-8.76	6.99	2.02	-5.21e-04
4	57	1.15	0.50	-8.76	-0.67	2.95	-3.05e-04
4	58	1.15	-0.50	-8.76	0.67	2.95	-2.42e-04
4	59	-1.15	0.50	-8.76	-0.67	-2.95	2.42e-04
4	66	0.35	-1.68	-8.76	2.22	0.88	-1.86e-04
4	78	0.0	-4.40e-06	-32.66	5.67e-06	0.0	0.0
4	81	0.0	1.69e-06	29.95	-2.18e-06	0.0	0.0
4	84	0.0	-1.66e-06	-13.54	2.13e-06	0.0	0.0
4	85	0.0	0.0	-1.02	0.0	0.0	0.0
4	87	0.0	0.0	-8.76	1.25e-06	0.0	0.0
5	3	0.0	-1.18	-56.81	0.99	0.0	0.0
5	10	0.0	0.71	56.20	-0.60	0.0	0.0
5	12	0.0	-1.31	-66.44	1.10	0.0	0.0
5	22	2.56	-1.87	-10.31	2.34	7.46	-4.03e-04
5	34	0.82	-5.80	-10.81	7.43	2.59	-2.73e-04
5	35	-0.82	5.44	-9.37	-7.13	-2.59	2.73e-04
5	57	1.20	0.36	-10.03	-0.54	3.25	-1.85e-04
5	66	0.38	-1.96	-10.31	2.46	1.09	-1.03e-04
5	67	-0.38	1.60	-9.86	-2.16	-1.09	1.03e-04
5	78	0.0	-0.80	-38.64	0.67	0.0	0.0
5	81	0.0	0.40	33.53	-0.34	0.0	0.0
5	84	0.0	-0.30	-15.80	0.26	0.0	0.0
5	85	0.0	-0.06	-1.37	0.05	0.0	0.0
5	87	0.0	-0.18	-10.09	0.15	0.0	0.0
8	3	0.0	4.00	-41.26	-3.37	0.0	0.0
8	10	0.0	-1.92	40.48	1.62	0.0	0.0
8	12	0.0	4.36	-48.22	-3.68	0.0	0.0
8	22	2.33	-0.74	-6.91	1.39	7.23	-8.43e-04
8	34	0.99	-3.85	-5.86	5.79	2.80	-6.80e-04
8	35	-0.99	5.04	-8.88	-6.79	-2.80	6.80e-04
8	57	1.07	1.02	-7.50	-1.10	3.12	-3.84e-04
8	66	0.41	-0.82	-6.91	1.50	1.13	-2.36e-04
8	67	-0.41	2.01	-7.83	-2.50	-1.13	2.36e-04
8	78	0.0	2.70	-28.07	-2.28	0.0	0.0
8	81	0.0	-1.04	24.11	0.88	0.0	0.0
8	84	0.0	1.02	-11.51	-0.86	0.0	0.0
8	85	0.0	0.27	-1.07	-0.23	0.0	0.0
8	87	0.0	0.59	-7.37	-0.50	0.0	0.0
10	3	0.0	-4.00	-41.26	3.37	0.0	0.0
10	10	0.0	1.92	40.48	-1.62	0.0	0.0
10	12	0.0	-4.36	-48.22	3.68	0.0	0.0
10	13	2.33	0.74	-6.91	-1.39	7.23	8.43e-04
10	29	0.99	3.85	-5.86	-5.79	2.80	6.80e-04
10	32	-0.99	-5.04	-8.88	6.79	-2.80	-6.80e-04
10	36	-0.69	-5.04	-8.88	6.79	-1.84	-1.84e-04
10	50	1.07	-1.02	-7.50	1.10	3.12	3.84e-04
10	61	0.41	0.82	-6.91	-1.50	1.13	2.36e-04
10	64	-0.41	-2.01	-7.83	2.50	-1.13	-2.36e-04
10	68	-0.29	-2.01	-7.83	2.50	-0.73	-4.48e-06
10	78	0.0	-2.70	-28.07	2.28	0.0	0.0
10	81	0.0	1.04	24.11	-0.88	0.0	0.0
10	84	0.0	-1.02	-11.51	0.86	0.0	0.0
10	85	0.0	-0.27	-1.07	0.23	0.0	0.0
10	87	0.0	-0.59	-7.37	0.50	0.0	0.0

Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-2.56	-5.80	-66.44	-7.43	-7.46	-8.43e-04
		2.56	5.80	56.20	7.43	7.46	8.43e-04

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**

		kN	kN	kN	kN m	kN m	kN m
1	12	0.0	1.31	-66.44	-1.10	0.0	0.0
	10	0.0	-0.71	56.20	0.60	0.0	0.0
	35	-0.47	5.80	-10.81	-7.43	-1.22	4.16e-04
	34	0.47	-5.44	-9.37	7.13	1.22	-4.16e-04
	16	-2.56	-1.51	-9.87	2.03	-7.46	-4.03e-04
	13	2.56	1.87	-10.31	-2.34	7.46	4.03e-04
4	12	0.0	-7.10e-06	-56.51	9.14e-06	0.0	0.0
	10	0.0	3.13e-06	50.03	-4.02e-06	0.0	0.0
	35	-0.74	5.28	-8.76	-6.99	-2.02	5.21e-04
	34	0.74	-5.28	-8.76	6.99	2.02	-5.21e-04
	23	-2.45	1.58	-8.76	-2.10	-6.72	7.21e-04
	22	2.45	-1.58	-8.76	2.10	6.72	-7.21e-04
5	12	0.0	-1.31	-66.44	1.10	0.0	0.0
	10	0.0	0.71	56.20	-0.60	0.0	0.0
	35	-0.82	5.44	-9.37	-7.13	-2.59	2.73e-04
	34	0.82	-5.80	-10.81	7.43	2.59	-2.73e-04
	23	-2.56	1.51	-9.86	-2.03	-7.46	4.03e-04
	22	2.56	-1.87	-10.31	2.34	7.46	-4.03e-04
8	12	0.0	4.36	-48.22	-3.68	0.0	0.0
	10	0.0	-1.92	40.48	1.62	0.0	0.0
	35	-0.99	5.04	-8.88	-6.79	-2.80	6.80e-04
	34	0.99	-3.85	-5.86	5.79	2.80	-6.80e-04
	23	-2.33	1.93	-7.82	-2.39	-7.23	8.43e-04
	22	2.33	-0.74	-6.91	1.39	7.23	-8.43e-04
10	12	0.0	-4.36	-48.22	3.68	0.0	0.0
	10	0.0	1.92	40.48	-1.62	0.0	0.0
	33	0.69	3.85	-5.86	-5.79	1.84	1.84e-04
	36	-0.69	-5.04	-8.88	6.79	-1.84	-1.84e-04
	16	-2.33	-1.93	-7.82	2.39	-7.23	-8.43e-04
	13	2.33	0.74	-6.91	-1.39	7.23	8.43e-04

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**

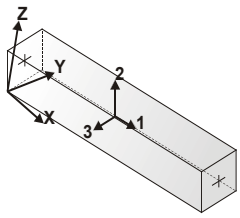
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	3	0.0	1.98	0.0	0.0	0.0	-56.81	0.0	1.18	0.0	-0.99	0.0
		0.0	-0.99	-9.58e-04	0.0	126.5	-56.48	0.0	1.18	0.0	0.50	0.0
						253.0	-56.15	0.0	1.18	0.0	1.98	0.0
1	10	0.0	0.60	0.0	0.0	0.0	56.20	0.0	-0.71	0.0	0.60	0.0
		0.0	-1.20	5.80e-04	0.0	126.5	56.45	0.0	-0.71	0.0	-0.30	0.0
						253.0	56.70	0.0	-0.71	0.0	-1.20	0.0
1	12	0.0	2.20	0.0	0.0	0.0	-66.44	0.0	1.31	0.0	-1.10	0.0
		0.0	-1.10	-1.06e-03	0.0	126.5	-66.12	0.0	1.31	0.0	0.55	0.0
						253.0	-65.79	0.0	1.31	0.0	2.20	0.0
1	13	3.68	2.39	-0.01	0.0	0.0	-10.31	2.56	1.87	4.03e-04	-2.34	-7.46
		-7.46	-2.34	-5.02e-03	0.0	126.5	-10.05	2.56	1.87	4.03e-04	0.03	-1.89
						253.0	-9.80	2.56	1.87	4.03e-04	2.39	3.68
1	16	7.46	2.03	0.01	0.0	0.0	-9.87	-2.56	-1.51	-4.03e-04	2.03	7.46
		-3.68	-1.78	5.02e-03	0.0	126.5	-9.62	-2.56	-1.51	-4.03e-04	0.13	1.89
						253.0	-9.37	-2.56	-1.51	-4.03e-04	-1.78	-3.68
1	33	0.52	7.25	-4.12e-03	0.0	0.0	-10.81	0.59	5.80	-8.18e-05	-7.43	-2.00
		-2.00	-7.43	-0.02	0.0	126.5	-10.56	0.59	5.80	-8.18e-05	-0.09	-0.74
						253.0	-10.31	0.59	5.80	-8.18e-05	7.25	0.52
1	35	1.22	7.25	2.22e-03	0.0	0.0	-10.81	-0.47	5.80	4.16e-04	-7.43	1.22
		-1.26	-7.43	-0.02	0.0	126.5	-10.55	-0.47	5.80	4.16e-04	-0.09	-0.02
						253.0	-10.30	-0.47	5.80	4.16e-04	7.25	-1.26
1	36	2.00	7.13	4.12e-03	0.0	0.0	-9.37	-0.59	-5.44	8.18e-05	7.13	2.00
		-0.52	-6.64	0.02	0.0	126.5	-9.12	-0.59	-5.44	8.18e-05	0.24	0.74
						253.0	-8.86	-0.59	-5.44	8.18e-05	-6.64	-0.52
1	50	1.68	0.54	-6.16e-03	0.0	0.0	-10.02	1.20	-0.36	1.85e-04	0.54	-3.25
		-3.25	-0.36	1.60e-03	0.0	126.5	-9.77	1.20	-0.36	1.85e-04	0.09	-0.79
						253.0	-9.52	1.20	-0.36	1.85e-04	-0.36	1.68
1	51	3.25	0.96	6.16e-03	0.0	0.0	-10.16	-1.20	0.72	-1.85e-04	-0.85	3.25
		-1.68	-0.85	-1.61e-03	0.0	126.5	-9.90	-1.20	0.72	-1.85e-04	0.06	0.79
						253.0	-9.65	-1.20	0.72	-1.85e-04	0.96	-1.68
1	67	0.58	2.51	1.08e-03	0.0	0.0	-10.31	-0.23	1.96	1.61e-04	-2.46	0.58
		-0.51	-2.46	-5.32e-03	0.0	126.5	-10.06	-0.23	1.96	1.61e-04	0.02	0.04
						253.0	-9.81	-0.23	1.96	1.61e-04	2.51	-0.51
1	73	0.51	2.51	-1.08e-03	0.0	0.0	-10.31	0.23	1.96	-1.61e-04	-2.46	-0.58
		-0.58	-2.46	-5.32e-03	0.0	126.5	-10.06	0.23	1.96	-1.61e-04	0.02	-0.04
						253.0	-9.81	0.23	1.96	-1.61e-04	2.51	0.51
1	76	0.58	2.16	1.08e-03	0.0	0.0	-9.86	-0.23	-1.60	1.61e-04	2.16	0.58
		-0.51	-1.90	5.32e-03	0.0	126.5	-9.61	-0.23	-1.60	1.61e-04	0.13	0.04
						253.0	-9.36	-0.23	-1.60	1.61e-04	-1.90	-0.51
1	78	0.0	1.34	0.0	0.0	0.0	-38.64	0.0	0.80	0.0	-0.67	0.0
		0.0	-0.67	-6.48e-04	0.0	126.5	-38.39	0.0	0.80	0.0	0.34	0.0
						253.0	-38.14	0.0	0.80	0.0	1.34	0.0
1	81	0.0	0.34	0.0	0.0	0.0	33.53	0.0	-0.40	0.0	0.34	0.0
		0.0	-0.68	3.28e-04	0.0	126.5	33.78	0.0	-0.40	0.0	-0.17	0.0
						253.0	34.03	0.0	-0.40	0.0	-0.68	0.0
1	84	0.0	0.51	0.0	0.0	0.0	-15.80	0.0	0.30	0.0	-0.26	0.0
		0.0	-0.26	-2.47e-04	0.0	126.5	-15.55	0.0	0.30	0.0	0.13	0.0
						253.0	-15.30	0.0	0.30	0.0	0.51	0.0
1	85	0.0	0.11	0.0	0.0	0.0	-1.37	0.0	0.06	0.0	-0.05	0.0
		0.0	-0.05	-5.17e-05	0.0	126.5	-1.11	0.0	0.06	0.0	0.03	0.0
						253.0	-0.86	0.0	0.06	0.0	0.11	0.0
1	87	0.0	0.30	0.0	0.0	0.0	-10.09	0.0	0.18	0.0	-0.15	0.0
		0.0	-0.15	-1.47e-04	0.0	126.5	-9.84	0.0	0.18	0.0	0.08	0.0
						253.0	-9.59	0.0	0.18	0.0	0.30	0.0
2	3	0.0	8.38e-06	0.0	0.0	0.0	-47.96	0.0	-6.52e-06	0.0	8.38e-06	0.0
		0.0	-8.10e-06	0.0	0.0	126.5	-47.63	0.0	-6.52e-06	0.0	0.0	0.0
						253.0	-47.30	0.0	-6.52e-06	0.0	-8.10e-06	0.0
2	10	0.0	3.89e-06	0.0	0.0	0.0	50.03	0.0	3.13e-06	0.0	-4.02e-06	0.0
		0.0	-4.02e-06	0.0	0.0	126.5	50.29	0.0	3.13e-06	0.0	0.0	0.0
						253.0	50.54	0.0	3.13e-06	0.0	3.89e-06	0.0
2	12	0.0	9.14e-06	0.0	0.0	0.0	-56.51	0.0	-7.10e-06	0.0	9.14e-06	0.0
		0.0	-8.83e-06	0.0	0.0	126.5	-56.18	0.0	-7.10e-06	0.0	0.0	0.0
						253.0	-55.86	0.0	-7.10e-06	0.0	-8.83e-06	0.0
2	22	3.61	2.10	-0.01	0.0	0.0	-8.76	2.45	-1.58	-7.21e-04	2.10	-6.72
		-6.72	-1.91	5.02e-03	0.0	126.5	-8.51	2.45	-1.58	-7.21e-04	0.09	-1.56
						253.0	-8.26	2.45	-1.58	-7.21e-04	-1.91	3.61
2	23	6.72	1.91	0.01	0.0	0.0	-8.76	-2.45	1.58	7.21e-04	-2.10	6.72
		-3.61	-2.10	-5.02e-03	0.0	126.5	-8.51	-2.45	1.58	7.21e-04	-0.09	1.56
						253.0	-8.26	-2.45	1.58	7.21e-04	1.91	-3.61
2	34	1.08	6.99	-3.84e-03	0.0	0.0	-8.76	0.74	-5.28	-5.21e-04	6.99	-2.02
		-2.02	-6.36	0.02	0.0	126.5	-8.51	0.74	-5.28	-5.21e-04	0.31	-0.47
						253.0	-8.26	0.74	-5.28	-5.21e-04	-6.36	1.08
2	35	2.02	6.36	3.84e-03	0.0	0.0	-8.76	-0.74	5.28	5.21e-04	-6.99	2.02

		-1.08	-6.99	-0.02	0.0	126.5	-8.51	-0.74	5.28	5.21e-04	-0.31	0.47
						253.0	-8.26	-0.74	5.28	5.21e-04	6.36	-1.08
2	57	1.64	0.61	-5.51e-03	0.0	0.0	-8.76	1.15	0.50	-3.05e-04	-0.67	-2.95
		-2.95	-0.67	-1.60e-03	0.0	126.5	-8.51	1.15	0.50	-3.05e-04	-0.03	-0.65
						253.0	-8.26	1.15	0.50	-3.05e-04	0.61	1.64
2	58	1.64	0.67	-5.51e-03	0.0	0.0	-8.76	1.15	-0.50	-2.42e-04	0.67	-2.95
		-2.95	-0.61	1.60e-03	0.0	126.5	-8.51	1.15	-0.50	-2.42e-04	0.03	-0.65
						253.0	-8.26	1.15	-0.50	-2.42e-04	-0.61	1.64
2	59	2.95	0.61	5.51e-03	0.0	0.0	-8.76	-1.15	0.50	2.42e-04	-0.67	2.95
		-1.64	-0.67	-1.60e-03	0.0	126.5	-8.51	-1.15	0.50	2.42e-04	-0.03	0.65
						253.0	-8.26	-1.15	0.50	2.42e-04	0.61	-1.64
2	60	2.95	0.67	5.51e-03	0.0	0.0	-8.76	-1.15	-0.50	3.05e-04	0.67	2.95
		-1.64	-0.61	1.60e-03	0.0	126.5	-8.51	-1.15	-0.50	3.05e-04	0.03	0.65
						253.0	-8.26	-1.15	-0.50	3.05e-04	-0.61	-1.64
2	66	0.49	2.22	-1.65e-03	0.0	0.0	-8.76	0.35	-1.68	-1.86e-04	2.22	-0.88
		-0.88	-2.02	5.32e-03	0.0	126.5	-8.51	0.35	-1.68	-1.86e-04	0.10	-0.20
						253.0	-8.26	0.35	-1.68	-1.86e-04	-2.02	0.49
2	67	0.88	2.02	1.65e-03	0.0	0.0	-8.76	-0.35	1.68	1.86e-04	-2.22	0.88
		-0.49	-2.22	-5.32e-03	0.0	126.5	-8.51	-0.35	1.68	1.86e-04	-0.10	0.20
						253.0	-8.26	-0.35	1.68	1.86e-04	2.02	-0.49
2	78	0.0	5.67e-06	0.0	0.0	0.0	-32.66	0.0	-4.40e-06	0.0	5.67e-06	0.0
		0.0	-5.48e-06	0.0	0.0	126.5	-32.41	0.0	-4.40e-06	0.0	0.0	0.0
						253.0	-32.15	0.0	-4.40e-06	0.0	-5.48e-06	0.0
2	81	0.0	2.10e-06	0.0	0.0	0.0	29.95	0.0	1.69e-06	0.0	-2.18e-06	0.0
		0.0	-2.18e-06	0.0	0.0	126.5	30.21	0.0	1.69e-06	0.0	0.0	0.0
						253.0	30.46	0.0	1.69e-06	0.0	2.10e-06	0.0
2	84	0.0	2.13e-06	0.0	0.0	0.0	-13.54	0.0	-1.66e-06	0.0	2.13e-06	0.0
		0.0	-2.06e-06	0.0	0.0	126.5	-13.29	0.0	-1.66e-06	0.0	0.0	0.0
						253.0	-13.04	0.0	-1.66e-06	0.0	-2.06e-06	0.0
2	85	0.0	0.0	0.0	0.0	0.0	-1.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	126.5	-0.77	0.0	0.0	0.0	0.0	0.0
						253.0	-0.52	0.0	0.0	0.0	0.0	0.0
2	87	0.0	1.25e-06	0.0	0.0	0.0	-8.76	0.0	0.0	0.0	1.25e-06	0.0
		0.0	-1.20e-06	0.0	0.0	126.5	-8.51	0.0	0.0	0.0	0.0	0.0
						253.0	-8.26	0.0	0.0	0.0	-1.20e-06	0.0
3	3	0.0	0.99	0.0	0.0	0.0	-56.81	0.0	-1.18	0.0	0.99	0.0
		0.0	-1.98	9.58e-04	0.0	126.5	-56.48	0.0	-1.18	0.0	-0.50	0.0
						253.0	-56.15	0.0	-1.18	0.0	-1.98	0.0
3	10	0.0	1.20	0.0	0.0	0.0	56.20	0.0	0.71	0.0	-0.60	0.0
		0.0	-0.60	-5.80e-04	0.0	126.5	56.45	0.0	0.71	0.0	0.30	0.0
						253.0	56.70	0.0	0.71	0.0	1.20	0.0
3	12	0.0	1.10	0.0	0.0	0.0	-66.44	0.0	-1.31	0.0	1.10	0.0
		0.0	-2.20	1.06e-03	0.0	126.5	-66.12	0.0	-1.31	0.0	-0.55	0.0
						253.0	-65.79	0.0	-1.31	0.0	-2.20	0.0
3	22	3.68	2.34	-0.01	0.0	0.0	-10.31	2.56	-1.87	-4.03e-04	2.34	-7.46
		-7.46	-2.39	5.02e-03	0.0	126.5	-10.06	2.56	-1.87	-4.03e-04	-0.03	-1.89
						253.0	-9.81	2.56	-1.87	-4.03e-04	-2.39	3.68
3	23	7.46	1.78	0.01	0.0	0.0	-9.86	-2.56	1.51	4.03e-04	-2.03	7.46
		-3.68	-2.03	-5.02e-03	0.0	126.5	-9.61	-2.56	1.51	4.03e-04	-0.13	1.89
						253.0	-9.36	-2.56	1.51	4.03e-04	1.78	-3.68
3	34	0.76	7.43	-5.18e-03	0.0	0.0	-10.81	0.82	-5.80	-2.73e-04	7.43	-2.59
		-2.59	-7.25	0.02	0.0	126.5	-10.56	0.82	-5.80	-2.73e-04	0.09	-0.91
						253.0	-10.31	0.82	-5.80	-2.73e-04	-7.25	0.76
3	35	2.59	6.64	5.18e-03	0.0	0.0	-9.37	-0.82	5.44	2.73e-04	-7.13	2.59
		-0.76	-7.13	-0.02	0.0	126.5	-9.12	-0.82	5.44	2.73e-04	-0.24	0.91
						253.0	-8.86	-0.82	5.44	2.73e-04	6.64	-0.76
3	57	1.68	0.36	-6.16e-03	0.0	0.0	-10.03	1.20	0.36	-1.85e-04	-0.54	-3.25
		-3.25	-0.54	-1.60e-03	0.0	126.5	-9.78	1.20	0.36	-1.85e-04	-0.09	-0.79
						253.0	-9.52	1.20	0.36	-1.85e-04	0.36	1.68
3	60	3.25	0.84	6.16e-03	0.0	0.0	-10.15	-1.20	-0.72	1.85e-04	0.84	3.25
		-1.68	-0.96	1.61e-03	0.0	126.5	-9.90	-1.20	-0.72	1.85e-04	-0.06	0.79
						253.0	-9.65	-1.20	-0.72	1.85e-04	-0.96	-1.68
3	66	0.41	2.46	-2.11e-03	0.0	0.0	-10.31	0.38	-1.96	-1.03e-04	2.46	-1.09
		-1.09	-2.51	5.32e-03	0.0	126.5	-10.06	0.38	-1.96	-1.03e-04	-0.02	-0.34
						253.0	-9.81	0.38	-1.96	-1.03e-04	-2.51	0.41
3	67	1.09	1.90	2.11e-03	0.0	0.0	-9.86	-0.38	1.60	1.03e-04	-2.16	1.09
		-0.41	-2.16	-5.32e-03	0.0	126.5	-9.61	-0.38	1.60	1.03e-04	-0.13	0.34
						253.0	-9.36	-0.38	1.60	1.03e-04	1.90	-0.41
3	78	0.0	0.67	0.0	0.0	0.0	-38.64	0.0	-0.80	0.0	0.67	0.0
		0.0	-1.34	6.48e-04	0.0	126.5	-38.39	0.0	-0.80	0.0	-0.34	0.0
						253.0	-38.14	0.0	-0.80	0.0	-1.34	0.0
3	81	0.0	0.68	0.0	0.0	0.0	33.53	0.0	0.40	0.0	-0.34	0.0
		0.0	-0.34	-3.28e-04	0.0	126.5	33.78	0.0	0.40	0.0	0.17	0.0
						253.0	34.03	0.0	0.40	0.0	0.68	0.0
3	84	0.0	0.26	0.0	0.0	0.0	-15.80	0.0	-0.30	0.0	0.26	0.0
		0.0	-0.51	2.47e-04	0.0	126.5	-15.55	0.0	-0.30	0.0	-0.13	0.0
						253.0	-15.30	0.0	-0.30	0.0	-0.51	0.0

3	85	0.0	0.05	0.0	0.0	0.0	-1.37	0.0	-0.06	0.0	0.05	0.0
		0.0	-0.11	5.17e-05	0.0	126.5	-1.11	0.0	-0.06	0.0	-0.03	0.0
						253.0	-0.86	0.0	-0.06	0.0	-0.11	0.0
3	87	0.0	0.15	0.0	0.0	0.0	-10.09	0.0	-0.18	0.0	0.15	0.0
		0.0	-0.30	1.47e-04	0.0	126.5	-9.84	0.0	-0.18	0.0	-0.08	0.0
						253.0	-9.59	0.0	-0.18	0.0	-0.30	0.0
4	3	0.0	6.75	0.0	0.0	0.0	-41.26	0.0	4.00	0.0	-3.37	0.0
		0.0	-3.37	-3.25e-03	0.0	126.5	-40.94	0.0	4.00	0.0	1.69	0.0
						253.0	-40.61	0.0	4.00	0.0	6.75	0.0
4	10	0.0	1.62	0.0	0.0	0.0	40.48	0.0	-1.92	0.0	1.62	0.0
		0.0	-3.24	1.56e-03	0.0	126.5	40.73	0.0	-1.92	0.0	-0.81	0.0
						253.0	40.98	0.0	-1.92	0.0	-3.24	0.0
4	12	0.0	7.36	0.0	0.0	0.0	-48.22	0.0	4.36	0.0	-3.68	0.0
		0.0	-3.68	-3.54e-03	0.0	126.5	-47.89	0.0	4.36	0.0	1.84	0.0
						253.0	-47.57	0.0	4.36	0.0	7.36	0.0
4	22	3.35	1.39	-0.01	0.0	0.0	-6.91	2.33	-0.74	-8.43e-04	1.39	-7.23
		-7.23	-0.49	5.02e-03	0.0	126.5	-6.66	2.33	-0.74	-8.43e-04	0.45	-1.94
						253.0	-6.41	2.33	-0.74	-8.43e-04	-0.49	3.35
4	23	7.23	2.49	0.01	0.0	0.0	-7.82	-2.33	1.93	8.43e-04	-2.39	7.23
		-3.35	-2.39	-5.03e-03	0.0	126.5	-7.57	-2.33	1.93	8.43e-04	0.05	1.94
						253.0	-7.32	-2.33	1.93	8.43e-04	2.49	-3.35
4	34	1.33	5.79	-5.25e-03	0.0	0.0	-5.86	0.99	-3.85	-6.80e-04	5.79	-2.80
		-2.80	-3.96	0.02	0.0	126.5	-5.61	0.99	-3.85	-6.80e-04	0.91	-0.73
						253.0	-5.36	0.99	-3.85	-6.80e-04	-3.96	1.33
4	35	2.80	5.97	5.25e-03	0.0	0.0	-8.88	-0.99	5.04	6.80e-04	-6.79	2.80
		-1.33	-6.79	-0.02	0.0	126.5	-8.62	-0.99	5.04	6.80e-04	-0.41	0.73
						253.0	-8.37	-0.99	5.04	6.80e-04	5.97	-1.33
4	57	1.51	1.48	-5.95e-03	0.0	0.0	-7.50	1.07	1.02	-3.84e-04	-1.10	-3.12
		-3.12	-1.10	-1.76e-03	0.0	126.5	-7.25	1.07	1.02	-3.84e-04	0.19	-0.80
						253.0	-7.00	1.07	1.02	-3.84e-04	1.48	1.51
4	60	3.12	0.53	5.95e-03	0.0	0.0	-7.23	-1.07	0.17	3.84e-04	0.10	3.12
		-1.51	0.10	1.60e-03	0.0	126.5	-6.98	-1.07	0.17	3.84e-04	0.31	0.80
						253.0	-6.73	-1.07	0.17	3.84e-04	0.53	-1.51
4	66	0.56	1.50	-2.11e-03	0.0	0.0	-6.91	0.41	-0.82	-2.36e-04	1.50	-1.13
		-1.13	-0.58	5.32e-03	0.0	126.5	-6.65	0.41	-0.82	-2.36e-04	0.46	-0.29
						253.0	-6.40	0.41	-0.82	-2.36e-04	-0.58	0.56
4	67	1.13	2.59	2.11e-03	0.0	0.0	-7.83	-0.41	2.01	2.36e-04	-2.50	1.13
		-0.56	-2.50	-5.32e-03	0.0	126.5	-7.58	-0.41	2.01	2.36e-04	0.04	0.29
						253.0	-7.33	-0.41	2.01	2.36e-04	2.59	-0.56
4	78	0.0	4.56	0.0	0.0	0.0	-28.07	0.0	2.70	0.0	-2.28	0.0
		0.0	-2.28	-2.20e-03	0.0	126.5	-27.82	0.0	2.70	0.0	1.14	0.0
						253.0	-27.57	0.0	2.70	0.0	4.56	0.0
4	81	0.0	0.88	0.0	0.0	0.0	24.11	0.0	-1.04	0.0	0.88	0.0
		0.0	-1.75	8.44e-04	0.0	126.5	24.36	0.0	-1.04	0.0	-0.44	0.0
						253.0	24.61	0.0	-1.04	0.0	-1.75	0.0
4	84	0.0	1.71	0.0	0.0	0.0	-11.51	0.0	1.02	0.0	-0.86	0.0
		0.0	-0.86	-8.26e-04	0.0	126.5	-11.26	0.0	1.02	0.0	0.43	0.0
						253.0	-11.01	0.0	1.02	0.0	1.71	0.0
4	85	0.0	0.45	0.0	0.0	0.0	-1.07	0.0	0.27	0.0	-0.23	0.0
		0.0	-0.23	-2.18e-04	0.0	126.5	-0.82	0.0	0.27	0.0	0.11	0.0
						253.0	-0.57	0.0	0.27	0.0	0.45	0.0
4	87	0.0	1.00	0.0	0.0	0.0	-7.37	0.0	0.59	0.0	-0.50	0.0
		0.0	-0.50	-4.83e-04	0.0	126.5	-7.12	0.0	0.59	0.0	0.25	0.0
						253.0	-6.87	0.0	0.59	0.0	1.00	0.0
5	3	0.0	3.37	0.0	0.0	0.0	-41.26	0.0	-4.00	0.0	3.37	0.0
		0.0	-6.75	3.25e-03	0.0	126.5	-40.94	0.0	-4.00	0.0	-1.69	0.0
						253.0	-40.61	0.0	-4.00	0.0	-6.75	0.0
5	10	0.0	3.24	0.0	0.0	0.0	40.48	0.0	1.92	0.0	-1.62	0.0
		0.0	-1.62	-1.56e-03	0.0	126.5	40.73	0.0	1.92	0.0	0.81	0.0
						253.0	40.98	0.0	1.92	0.0	3.24	0.0
5	12	0.0	3.68	0.0	0.0	0.0	-48.22	0.0	-4.36	0.0	3.68	0.0
		0.0	-7.36	3.54e-03	0.0	126.5	-47.89	0.0	-4.36	0.0	-1.84	0.0
						253.0	-47.57	0.0	-4.36	0.0	-7.36	0.0
5	13	3.35	0.49	-0.01	0.0	0.0	-6.91	2.33	0.74	8.43e-04	-1.39	-7.23
		-7.23	-1.39	-5.02e-03	0.0	126.5	-6.66	2.33	0.74	8.43e-04	-0.45	-1.94
						253.0	-6.41	2.33	0.74	8.43e-04	0.49	3.35
5	16	7.23	2.39	0.01	0.0	0.0	-7.82	-2.33	-1.93	-8.43e-04	2.39	7.23
		-3.35	-2.49	5.03e-03	0.0	126.5	-7.57	-2.33	-1.93	-8.43e-04	-0.05	1.94
						253.0	-7.32	-2.33	-1.93	-8.43e-04	-2.49	-3.35
5	29	1.33	3.96	-5.25e-03	0.0	0.0	-5.86	0.99	3.85	6.80e-04	-5.79	-2.80
		-2.80	-5.79	-0.02	0.0	126.5	-5.61	0.99	3.85	6.80e-04	-0.91	-0.73
						253.0	-5.36	0.99	3.85	6.80e-04	3.96	1.33
5	32	2.80	6.79	5.25e-03	0.0	0.0	-8.88	-0.99	-5.04	-6.80e-04	6.79	2.80
		-1.33	-5.97	0.02	0.0	126.5	-8.62	-0.99	-5.04	-6.80e-04	0.41	0.73
						253.0	-8.37	-0.99	-5.04	-6.80e-04	-5.97	-1.33
5	36	1.84	6.79	3.50e-03	0.0	0.0	-8.88	-0.69	-5.04	-1.84e-04	6.79	1.84
		0.37	-5.97	0.02	0.0	126.5	-8.62	-0.69	-5.04	-1.84e-04	0.41	1.10

						253.0	-8.37	-0.69	-5.04	-1.84e-04	-5.97	0.37
5	50	1.51	1.10	-5.95e-03	0.0	0.0	-7.50	1.07	-1.02	3.84e-04	1.10	-3.12
		-3.12	-1.48	1.76e-03	0.0	126.5	-7.25	1.07	-1.02	3.84e-04	-0.19	-0.80
						253.0	-7.00	1.07	-1.02	3.84e-04	-1.48	1.51
5	51	3.12	-0.10	5.95e-03	0.0	0.0	-7.23	-1.07	-0.17	-3.84e-04	-0.10	3.12
		-1.51	-0.53	-1.60e-03	0.0	126.5	-6.98	-1.07	-0.17	-3.84e-04	-0.31	0.80
						253.0	-6.73	-1.07	-0.17	-3.84e-04	-0.53	-1.51
5	61	0.56	0.58	-2.11e-03	0.0	0.0	-6.91	0.41	0.82	2.36e-04	-1.50	-1.13
		-1.13	-1.50	-5.32e-03	0.0	126.5	-6.65	0.41	0.82	2.36e-04	-0.46	-0.29
						253.0	-6.40	0.41	0.82	2.36e-04	0.58	0.56
5	64	1.13	2.50	2.11e-03	0.0	0.0	-7.83	-0.41	-2.01	-2.36e-04	2.50	1.13
		-0.56	-2.59	5.32e-03	0.0	126.5	-7.58	-0.41	-2.01	-2.36e-04	-0.04	0.29
						253.0	-7.33	-0.41	-2.01	-2.36e-04	-2.59	-0.56
5	68	0.73	2.50	1.37e-03	0.0	0.0	-7.83	-0.29	-2.01	-4.48e-06	2.50	0.73
		0.23	-2.59	5.32e-03	0.0	126.5	-7.58	-0.29	-2.01	-4.48e-06	-0.04	0.48
						253.0	-7.33	-0.29	-2.01	-4.48e-06	-2.59	0.23
5	78	0.0	2.28	0.0	0.0	0.0	-28.07	0.0	-2.70	0.0	2.28	0.0
		0.0	-4.56	2.20e-03	0.0	126.5	-27.82	0.0	-2.70	0.0	-1.14	0.0
						253.0	-27.57	0.0	-2.70	0.0	-4.56	0.0
5	81	0.0	1.75	0.0	0.0	0.0	24.11	0.0	1.04	0.0	-0.88	0.0
		0.0	-0.88	-8.44e-04	0.0	126.5	24.36	0.0	1.04	0.0	0.44	0.0
						253.0	24.61	0.0	1.04	0.0	1.75	0.0
5	84	0.0	0.86	0.0	0.0	0.0	-11.51	0.0	-1.02	0.0	0.86	0.0
		0.0	-1.71	8.26e-04	0.0	126.5	-11.26	0.0	-1.02	0.0	-0.43	0.0
						253.0	-11.01	0.0	-1.02	0.0	-1.71	0.0
5	85	0.0	0.23	0.0	0.0	0.0	-1.07	0.0	-0.27	0.0	0.23	0.0
		0.0	-0.45	2.18e-04	0.0	126.5	-0.82	0.0	-0.27	0.0	-0.11	0.0
						253.0	-0.57	0.0	-0.27	0.0	-0.45	0.0
5	87	0.0	0.50	0.0	0.0	0.0	-7.37	0.0	-0.59	0.0	0.50	0.0
		0.0	-1.00	4.83e-04	0.0	126.5	-7.12	0.0	-0.59	0.0	-0.25	0.0
						253.0	-6.87	0.0	-0.59	0.0	-1.00	0.0

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-7.46	-7.43	-0.02	0.0	-66.44	-2.56	-5.80	-8.43e-04
	7.46	7.43	0.02	0.0	56.70	2.56	5.80	8.43e-04

Trave	**Cmb**	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**Pos.**	**N**	**V 2**	**V 3**	**T**	**M 2**	**M 3**
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
6	3	20.83	0.0	6.13e-03	-0.40	0.0	-0.14	-5.41	0.0	0.0	0.0	20.83
		14.47	0.0	0.0	0.0	56.7	-0.14	-5.61	0.0	0.0	0.0	17.70
						113.4	-0.14	-5.81	0.0	0.0	0.0	14.47
6	10	-9.72	0.0	-5.31e-03	-0.31	0.0	0.07	6.02	0.0	0.0	0.0	-16.38
		-16.38	0.0	0.0	0.0	56.7	0.07	5.87	0.0	0.0	0.0	-13.01
						113.4	0.07	5.72	0.0	0.0	0.0	-9.72
6	12	23.68	0.0	7.05e-03	-0.40	0.0	-0.15	-6.40	0.0	0.0	0.0	23.68
		16.19	0.0	0.0	0.0	56.7	-0.15	-6.60	0.0	0.0	0.0	19.99
						113.4	-0.15	-6.80	0.0	0.0	0.0	16.19
6	21	2.79	0.03	1.12e-03	-0.31	0.0	-0.03	-1.23	-0.03	0.72	0.03	2.79
		1.23	-7.37e-03	-1.16e-04	0.0	56.7	-0.03	-1.38	-0.03	0.72	9.34e-03	2.06
						113.4	-0.03	-1.53	-0.03	0.72	-7.37e-03	1.23
6	24	3.83	7.37e-03	8.78e-04	-0.31	0.0	-7.68e-03	-0.37	0.03	-0.72	-0.03	3.83
		3.22	-0.03	1.16e-04	0.0	56.7	-7.68e-03	-0.53	0.03	-0.72	-9.34e-03	3.57
						113.4	-7.68e-03	-0.68	0.03	-0.72	7.37e-03	3.22
6	34	5.55	2.60e-03	5.91e-04	-0.31	0.0	0.02	0.63	0.01	0.60	-9.33e-03	5.05
		5.05	-9.33e-03	9.70e-05	0.0	56.7	0.02	0.48	0.01	0.60	-3.36e-03	5.34
						113.4	0.02	0.32	0.01	0.60	2.60e-03	5.55
6	35	1.57	9.33e-03	1.41e-03	-0.31	0.0	-0.06	-2.23	-0.01	-0.60	9.33e-03	1.57
		-1.09	-2.60e-03	-9.70e-05	0.0	56.7	-0.06	-2.39	-0.01	-0.60	3.36e-03	0.28
						113.4	-0.06	-2.54	-0.01	-0.60	-2.60e-03	-1.09
6	58	3.48	0.01	9.62e-04	-0.31	0.0	-0.02	-0.66	-0.01	0.35	0.01	3.48
		2.54	-3.24e-03	-4.56e-05	0.0	56.7	-0.02	-0.82	-0.01	0.35	4.11e-03	3.05
						113.4	-0.02	-0.97	-0.01	0.35	-3.24e-03	2.54
6	59	3.15	3.24e-03	1.04e-03	-0.31	0.0	-0.02	-0.94	0.01	-0.35	-0.01	3.15
		1.91	-0.01	4.56e-05	0.0	56.7	-0.02	-1.09	0.01	-0.35	-4.11e-03	2.57
						113.4	-0.02	-1.25	0.01	-0.35	3.24e-03	1.91
6	67	2.77	1.50e-03	1.13e-03	-0.31	0.0	-0.03	-1.25	-1.69e-03	-0.21	1.50e-03	2.77
		1.18	-4.17e-04	-2.01e-05	0.0	56.7	-0.03	-1.41	-1.69e-03	-0.21	5.44e-04	2.02
						113.4	-0.03	-1.56	-1.69e-03	-0.21	-4.17e-04	1.18
6	74	3.86	7.56e-03	8.69e-04	-0.31	0.0	-7.06e-03	-0.35	-8.55e-03	0.02	7.56e-03	3.86
		3.27	-2.13e-03	-4.19e-05	0.0	56.7	-7.06e-03	-0.50	-8.55e-03	0.02	2.71e-03	3.61
						113.4	-7.06e-03	-0.66	-8.55e-03	0.02	-2.13e-03	3.27
6	75	2.77	2.13e-03	1.13e-03	-0.31	0.0	-0.03	-1.25	8.55e-03	-0.02	-7.56e-03	2.77
		1.18	-7.56e-03	4.19e-05	0.0	56.7	-0.03	-1.41	8.55e-03	-0.02	-2.71e-03	2.02
						113.4	-0.03	-1.56	8.55e-03	-0.02	2.13e-03	1.18
6	78	14.11	0.0	4.16e-03	-0.31	0.0	-0.09	-3.65	0.0	0.0	0.0	14.11
		9.79	0.0	0.0	0.0	56.7	-0.09	-3.81	0.0	0.0	0.0	11.99

						113.4	-0.09	-3.96	0.0	0.0	0.0	9.79
6	81	-5.59	0.0	-3.14e-03	-0.31	0.0	0.04	3.69	0.0	0.0	0.0	-9.60
		-9.60	0.0	0.0	0.0	56.7	0.04	3.54	0.0	0.0	0.0	-7.55
						113.4	0.04	3.38	0.0	0.0	0.0	-5.59
6	84	5.47	0.0	1.63e-03	-0.31	0.0	-0.04	-1.37	0.0	0.0	0.0	5.47
		3.74	0.0	0.0	0.0	56.7	-0.04	-1.53	0.0	0.0	0.0	4.65
						113.4	-0.04	-1.68	0.0	0.0	0.0	3.74
6	85	0.75	0.0	1.73e-04	-0.31	0.0	-9.36e-03	0.10	0.0	0.0	0.0	0.73
		0.67	0.0	0.0	0.0	56.7	-9.36e-03	-0.06	0.0	0.0	0.0	0.74
						113.4	-9.36e-03	-0.21	0.0	0.0	0.0	0.67
6	87	3.31	0.0	1.00e-03	-0.31	0.0	-0.02	-0.80	0.0	0.0	0.0	3.31
		2.23	0.0	0.0	0.0	56.7	-0.02	-0.95	0.0	0.0	0.0	2.81
						113.4	-0.02	-1.11	0.0	0.0	0.0	2.23
7	3	-3.13	0.0	7.08e-03	-0.23	0.0	-0.13	-25.23	0.0	0.0	0.0	-3.13
		-19.86	0.0	0.0	0.0	33.0	-0.13	-25.35	0.0	0.0	0.0	-11.48
						66.0	-0.13	-25.46	0.0	0.0	0.0	-19.86
7	10	22.09	0.0	-4.30e-03	-0.18	0.0	0.06	23.33	0.0	0.0	0.0	6.75
		6.75	0.0	0.0	0.0	33.0	0.06	23.24	0.0	0.0	0.0	14.43
						66.0	0.06	23.15	0.0	0.0	0.0	22.09
7	12	-4.22	0.0	7.85e-03	-0.23	0.0	-0.15	-29.20	0.0	0.0	0.0	-4.22
		-23.57	0.0	0.0	0.0	33.0	-0.15	-29.32	0.0	0.0	0.0	-13.88
						66.0	-0.15	-29.44	0.0	0.0	0.0	-23.57
7	22	0.72	3.19e-03	1.64e-03	-0.18	0.0	0.01	-3.69	6.15e-03	2.35	-1.95e-03	0.72
		-1.78	-1.95e-03	3.29e-06	0.0	33.0	0.01	-3.78	6.15e-03	2.35	6.19e-04	-0.52
						66.0	0.01	-3.87	6.15e-03	2.35	3.19e-03	-1.78
7	23	-2.10	1.95e-03	5.34e-04	-0.18	0.0	-0.05	-4.39	-6.15e-03	-2.35	1.95e-03	-2.10
		-5.05	-3.19e-03	-3.29e-06	0.0	33.0	-0.05	-4.48	-6.15e-03	-2.35	-6.19e-04	-3.56
						66.0	-0.05	-4.57	-6.15e-03	-2.35	-3.19e-03	-5.05
7	33	-5.39	9.44e-04	-7.50e-04	-0.18	0.0	-0.13	-5.19	-1.51e-03	0.33	9.44e-04	-5.39
		-8.86	2.37e-04	-1.34e-04	0.0	33.0	-0.13	-5.28	-1.51e-03	0.33	5.91e-04	-7.11
						66.0	-0.13	-5.37	-1.51e-03	0.33	2.37e-04	-8.86
7	34	4.01	1.56e-03	2.92e-03	-0.18	0.0	0.09	-2.88	4.64e-03	1.02	-1.86e-03	4.01
		2.03	-1.86e-03	1.14e-04	0.0	33.0	0.09	-2.97	4.64e-03	1.02	-1.52e-04	3.03
						66.0	0.09	-3.06	4.64e-03	1.02	1.56e-03	2.03
7	35	-5.39	1.86e-03	-7.50e-04	-0.18	0.0	-0.13	-5.20	-4.64e-03	-1.02	1.86e-03	-5.39
		-8.86	-1.56e-03	-1.14e-04	0.0	33.0	-0.13	-5.29	-4.64e-03	-1.02	1.52e-04	-7.11
						66.0	-0.13	-5.38	-4.64e-03	-1.02	-1.56e-03	-8.86
7	36	4.01	-2.37e-04	2.92e-03	-0.18	0.0	0.09	-2.89	1.51e-03	-0.33	-9.44e-04	4.01
		2.03	-9.44e-04	1.34e-04	0.0	33.0	0.09	-2.98	1.51e-03	-0.33	-5.91e-04	3.03
						66.0	0.09	-3.07	1.51e-03	-0.33	-2.37e-04	2.03
7	57	-1.13	1.47e-03	9.13e-04	-0.18	0.0	-0.03	-4.15	2.87e-03	1.04	-8.87e-04	-1.13
		-3.93	-8.87e-04	-4.14e-06	0.0	33.0	-0.03	-4.24	2.87e-03	1.04	2.94e-04	-2.52
						66.0	-0.03	-4.33	2.87e-03	1.04	1.47e-03	-3.93
7	60	-0.25	8.87e-04	1.26e-03	-0.18	0.0	-9.88e-03	-3.93	-2.87e-03	-1.04	8.87e-04	-0.25
		-2.90	-1.47e-03	4.14e-06	0.0	33.0	-9.88e-03	-4.02	-2.87e-03	-1.04	-2.94e-04	-1.56
						66.0	-9.88e-03	-4.11	-2.87e-03	-1.04	-1.47e-03	-2.90
7	66	0.79	6.25e-04	1.66e-03	-0.18	0.0	0.01	-3.68	1.69e-03	0.41	-6.37e-04	0.79
		-1.70	-6.37e-04	2.85e-05	0.0	33.0	0.01	-3.77	1.69e-03	0.41	-5.62e-06	-0.44
						66.0	0.01	-3.86	1.69e-03	0.41	6.25e-04	-1.70
7	67	-2.17	6.37e-04	5.09e-04	-0.18	0.0	-0.05	-4.40	-1.69e-03	-0.41	6.37e-04	-2.17
		-5.13	-6.25e-04	-2.85e-05	0.0	33.0	-0.05	-4.49	-1.69e-03	-0.41	5.62e-06	-3.64
						66.0	-0.05	-4.58	-1.69e-03	-0.41	-6.25e-04	-5.13
7	73	-2.17	6.25e-04	5.09e-04	-0.18	0.0	-0.05	-4.40	1.69e-03	0.41	-6.37e-04	-2.17
		-5.13	-6.37e-04	2.85e-05	0.0	33.0	-0.05	-4.49	1.69e-03	0.41	-5.62e-06	-3.64
						66.0	-0.05	-4.58	1.69e-03	0.41	6.25e-04	-5.13
7	76	0.79	6.37e-04	1.66e-03	-0.18	0.0	0.01	-3.68	-1.69e-03	-0.41	6.37e-04	0.79
		-1.70	-6.25e-04	-2.85e-05	0.0	33.0	0.01	-3.77	-1.69e-03	-0.41	5.62e-06	-0.44
						66.0	0.01	-3.86	-1.69e-03	-0.41	-6.25e-04	-1.70
7	78	-2.15	0.0	4.79e-03	-0.18	0.0	-0.09	-17.10	0.0	0.0	0.0	-2.15
		-13.49	0.0	0.0	0.0	33.0	-0.09	-17.19	0.0	0.0	0.0	-7.81
						66.0	-0.09	-17.28	0.0	0.0	0.0	-13.49
7	81	13.38	0.0	-2.43e-03	-0.18	0.0	0.03	13.95	0.0	0.0	0.0	4.24
		4.24	0.0	0.0	0.0	33.0	0.03	13.86	0.0	0.0	0.0	8.83
						66.0	0.03	13.77	0.0	0.0	0.0	13.38
7	84	-0.98	0.0	1.83e-03	-0.18	0.0	-0.03	-6.65	0.0	0.0	0.0	-0.98
		-5.43	0.0	0.0	0.0	33.0	-0.03	-6.74	0.0	0.0	0.0	-3.19
						66.0	-0.03	-6.83	0.0	0.0	0.0	-5.43
7	85	0.30	0.0	3.82e-04	-0.18	0.0	-8.96e-03	-0.44	0.0	0.0	0.0	0.30
		-0.06	0.0	0.0	0.0	33.0	-8.96e-03	-0.53	0.0	0.0	0.0	0.13
						66.0	-8.96e-03	-0.62	0.0	0.0	0.0	-0.06
7	87	-0.69	0.0	1.09e-03	-0.18	0.0	-0.02	-4.04	0.0	0.0	0.0	-0.69
		-3.42	0.0	0.0	0.0	33.0	-0.02	-4.13	0.0	0.0	0.0	-2.04
						66.0	-0.02	-4.22	0.0	0.0	0.0	-3.42
8	3	-26.02	0.0	2.70e-04	-0.06	0.0	-2.82	26.70	0.0	0.0	0.0	-30.69
		-30.69	0.0	0.0	0.0	8.8	-2.82	26.67	0.0	0.0	0.0	-28.35
						17.5	-2.82	26.64	0.0	0.0	0.0	-26.02
8	10	26.45	0.0	-1.20e-04	-0.05	0.0	1.21	-27.51	0.0	0.0	0.0	26.45

		21.63	0.0	0.0	0.0	8.8	1.21	-27.53	0.0	0.0	0.0	24.04
						17.5	1.21	-27.56	0.0	0.0	0.0	21.63
8	12	-29.77	0.0	2.93e-04	-0.06	0.0	-3.06	31.37	0.0	0.0	0.0	-35.26
		-35.26	0.0	0.0	0.0	8.8	-3.06	31.33	0.0	0.0	0.0	-32.51
						17.5	-3.06	31.30	0.0	0.0	0.0	-29.77
8	14	-5.01	-1.46	8.21e-05	-0.05	0.0	-1.22	4.89	-1.13	-1.84	-1.46	-5.86
		-5.86	-1.60	-1.28e-05	0.0	8.8	-1.22	4.86	-1.13	-1.84	-1.53	-5.43
						17.5	-1.22	4.84	-1.13	-1.84	-1.60	-5.01
8	15	-3.46	1.60	4.47e-06	-0.05	0.0	0.39	4.28	1.13	1.84	1.46	-4.21
		-4.21	1.46	1.28e-05	0.0	8.8	0.39	4.25	1.13	1.84	1.53	-3.83
						17.5	0.39	4.23	1.13	1.84	1.60	-3.46
8	29	-1.66	0.59	-1.03e-04	-0.05	0.0	2.27	3.58	-0.63	-0.89	0.59	-2.28
		-2.28	0.51	-9.40e-06	0.0	8.8	2.27	3.56	-0.63	-0.89	0.55	-1.97
						17.5	2.27	3.53	-0.63	-0.89	0.51	-1.66
8	32	-6.81	-0.51	1.82e-04	-0.05	0.0	-3.10	5.58	0.63	0.89	-0.59	-7.78
		-7.78	-0.59	9.40e-06	0.0	8.8	-3.10	5.56	0.63	0.89	-0.55	-7.30
						17.5	-3.10	5.54	0.63	0.89	-0.51	-6.81
8	34	-6.81	-0.75	1.82e-04	-0.05	0.0	-3.10	5.59	-8.23e-03	0.89	-0.75	-7.78
		-7.78	-1.13	2.59e-05	0.0	8.8	-3.10	5.56	-8.23e-03	0.89	-0.94	-7.30
						17.5	-3.10	5.54	-8.23e-03	0.89	-1.13	-6.81
8	35	-1.66	1.13	-1.03e-04	-0.05	0.0	2.27	3.58	8.23e-03	-0.89	0.75	-2.28
		-2.28	0.75	-2.59e-05	0.0	8.8	2.27	3.55	8.23e-03	-0.89	0.94	-1.97
						17.5	2.27	3.53	8.23e-03	-0.89	1.13	-1.66
8	49	-3.99	-0.64	2.58e-05	-0.05	0.0	-0.16	4.49	-0.54	-0.86	-0.64	-4.77
		-4.77	-0.71	-5.01e-06	0.0	8.8	-0.16	4.46	-0.54	-0.86	-0.67	-4.38
						17.5	-0.16	4.44	-0.54	-0.86	-0.71	-3.99
8	52	-4.48	0.71	5.30e-05	-0.05	0.0	-0.67	4.68	0.54	0.86	0.64	-5.30
		-5.30	0.64	5.01e-06	0.0	8.8	-0.67	4.65	0.54	0.86	0.67	-4.89
						17.5	-0.67	4.63	0.54	0.86	0.71	-4.48
8	61	-3.42	0.10	-6.01e-06	-0.05	0.0	0.42	4.26	-0.25	-0.34	0.10	-4.16
		-4.16	0.07	-4.00e-06	0.0	8.8	0.42	4.24	-0.25	-0.34	0.09	-3.79
						17.5	0.42	4.22	-0.25	-0.34	0.07	-3.42
8	64	-5.06	-0.07	8.48e-05	-0.05	0.0	-1.25	4.90	0.25	0.34	-0.10	-5.91
		-5.91	-0.10	4.00e-06	0.0	8.8	-1.25	4.88	0.25	0.34	-0.09	-5.48
						17.5	-1.25	4.85	0.25	0.34	-0.07	-5.06
8	74	-5.06	0.37	8.49e-05	-0.05	0.0	-1.25	4.90	-0.21	0.18	0.37	-5.91
		-5.91	0.15	6.58e-06	0.0	8.8	-1.25	4.88	-0.21	0.18	0.26	-5.48
						17.5	-1.25	4.85	-0.21	0.18	0.15	-5.06
8	75	-3.42	-0.15	-6.04e-06	-0.05	0.0	0.42	4.26	0.21	-0.18	-0.37	-4.16
		-4.16	-0.37	-6.58e-06	0.0	8.8	0.42	4.24	0.21	-0.18	-0.26	-3.79
						17.5	0.42	4.21	0.21	-0.18	-0.15	-3.42
8	78	-17.64	0.0	1.83e-04	-0.05	0.0	-1.91	18.14	0.0	0.0	0.0	-20.81
		-20.81	0.0	0.0	0.0	8.8	-1.91	18.11	0.0	0.0	0.0	-19.23
						17.5	-1.91	18.09	0.0	0.0	0.0	-17.64
8	81	15.63	0.0	-6.48e-05	-0.05	0.0	0.64	-16.54	0.0	0.0	0.0	15.63
		12.74	0.0	0.0	0.0	8.8	0.64	-16.56	0.0	0.0	0.0	14.19
						17.5	0.64	-16.59	0.0	0.0	0.0	12.74
8	84	-6.92	0.0	6.80e-05	-0.05	0.0	-0.71	7.29	0.0	0.0	0.0	-8.19
		-8.19	0.0	0.0	0.0	8.8	-0.71	7.27	0.0	0.0	0.0	-7.55
						17.5	-0.71	7.25	0.0	0.0	0.0	-6.92
8	85	-0.84	0.0	1.89e-05	-0.05	0.0	-0.20	0.36	0.0	0.0	0.0	-0.90
		-0.90	0.0	0.0	0.0	8.8	-0.20	0.33	0.0	0.0	0.0	-0.87
						17.5	-0.20	0.31	0.0	0.0	0.0	-0.84
8	87	-4.24	0.0	3.94e-05	-0.05	0.0	-0.41	4.58	0.0	0.0	0.0	-5.03
		-5.03	0.0	0.0	0.0	8.8	-0.41	4.56	0.0	0.0	0.0	-4.63
						17.5	-0.41	4.53	0.0	0.0	0.0	-4.24
9	3	-17.25	0.0	-4.18e-04	-0.11	0.0	-2.82	23.65	0.0	0.0	0.0	-24.45
		-24.45	0.0	0.0	0.0	15.2	-2.82	23.60	0.0	0.0	0.0	-20.85
						30.5	-2.82	23.54	0.0	0.0	0.0	-17.25
9	10	23.09	0.0	3.89e-04	-0.08	0.0	1.21	-25.27	0.0	0.0	0.0	23.09
		15.37	0.0	0.0	0.0	15.2	1.21	-25.31	0.0	0.0	0.0	19.23
						30.5	1.21	-25.35	0.0	0.0	0.0	15.37
9	12	-19.90	0.0	-4.85e-04	-0.11	0.0	-3.06	27.93	0.0	0.0	0.0	-28.40
		-28.40	0.0	0.0	0.0	15.2	-3.06	27.87	0.0	0.0	0.0	-24.14
						30.5	-3.06	27.82	0.0	0.0	0.0	-19.90
9	21	-1.98	0.40	-2.03e-04	-0.08	0.0	0.36	3.87	-1.43	2.07	0.40	-3.15
		-3.15	-0.59	7.02e-05	0.0	15.2	0.36	3.83	-1.43	2.07	-0.10	-2.56
						30.5	0.36	3.79	-1.43	2.07	-0.59	-1.98
9	24	-3.73	0.59	6.38e-05	-0.08	0.0	-1.19	4.39	1.43	-2.07	-0.40	-5.05
		-5.05	-0.40	-7.02e-05	0.0	15.2	-1.19	4.35	1.43	-2.07	0.10	-4.39
						30.5	-1.19	4.31	1.43	-2.07	0.59	-3.73
9	33	0.07	0.12	-5.13e-04	-0.08	0.0	2.16	3.26	-0.77	0.20	0.12	-0.92
		-0.92	-0.28	-2.64e-05	0.0	15.2	2.16	3.22	-0.77	0.20	-0.08	-0.42
						30.5	2.16	3.17	-0.77	0.20	-0.28	0.07
9	34	-5.77	0.12	3.73e-04	-0.08	0.0	-2.99	5.00	-0.02	1.13	0.12	-7.28
		-7.28	-0.05	7.80e-05	0.0	15.2	-2.99	4.96	-0.02	1.13	0.03	-6.53
						30.5	-2.99	4.92	-0.02	1.13	-0.05	-5.77

9	35	0.07	0.05	-5.13e-04	-0.08	0.0	2.16	3.26	0.02	-1.13	-0.12	-0.92
		-0.92	-0.12	-7.80e-05	0.0	15.2	2.16	3.21	0.02	-1.13	-0.03	-0.42
						30.5	2.16	3.17	0.02	-1.13	0.05	0.07
9	36	-5.77	0.28	3.73e-04	-0.08	0.0	-2.99	5.00	0.77	-0.20	-0.12	-7.28
		-7.28	-0.12	2.64e-05	0.0	15.2	-2.99	4.96	0.77	-0.20	0.08	-6.52
						30.5	-2.99	4.92	0.77	-0.20	0.28	-5.77
9	58	-3.13	0.20	-2.78e-05	-0.08	0.0	-0.66	4.22	-0.65	0.96	0.20	-4.40
		-4.40	-0.28	3.19e-05	0.0	15.2	-0.66	4.17	-0.65	0.96	-0.04	-3.77
						30.5	-0.66	4.13	-0.65	0.96	-0.28	-3.13
9	59	-2.57	0.28	-1.12e-04	-0.08	0.0	-0.17	4.04	0.65	-0.96	-0.20	-3.80
		-3.80	-0.20	-3.19e-05	0.0	15.2	-0.17	4.00	0.65	-0.96	0.04	-3.18
						30.5	-0.17	3.96	0.65	-0.96	0.28	-2.57
9	65	-1.93	0.06	-2.10e-04	-0.08	0.0	0.39	3.85	-0.30	0.17	0.06	-3.09
		-3.09	-0.12	-5.18e-06	0.0	15.2	0.39	3.81	-0.30	0.17	-0.03	-2.50
						30.5	0.39	3.77	-0.30	0.17	-0.12	-1.93
9	66	-3.78	0.06	7.07e-05	-0.08	0.0	-1.22	4.41	-0.07	0.43	0.06	-5.11
		-5.11	-0.04	2.72e-05	0.0	15.2	-1.22	4.37	-0.07	0.43	8.23e-03	-4.44
						30.5	-1.22	4.33	-0.07	0.43	-0.04	-3.78
9	67	-1.93	0.04	-2.10e-04	-0.08	0.0	0.39	3.85	0.07	-0.43	-0.06	-3.09
		-3.09	-0.06	-2.72e-05	0.0	15.2	0.39	3.81	0.07	-0.43	-8.23e-03	-2.50
						30.5	0.39	3.77	0.07	-0.43	0.04	-1.93
9	68	-3.78	0.12	7.07e-05	-0.08	0.0	-1.22	4.41	0.30	-0.17	-0.06	-5.11
		-5.11	-0.06	5.18e-06	0.0	15.2	-1.22	4.37	0.30	-0.17	0.03	-4.44
						30.5	-1.22	4.32	0.30	-0.17	0.12	-3.78
9	78	-11.70	0.0	-2.84e-04	-0.08	0.0	-1.91	16.08	0.0	0.0	0.0	-16.59
		-16.59	0.0	0.0	0.0	15.2	-1.91	16.04	0.0	0.0	0.0	-14.15
						30.5	-1.91	15.99	0.0	0.0	0.0	-11.70
9	81	13.78	0.0	2.32e-04	-0.08	0.0	0.64	-15.23	0.0	0.0	0.0	13.78
		9.12	0.0	0.0	0.0	15.2	0.64	-15.27	0.0	0.0	0.0	11.45
						30.5	0.64	-15.31	0.0	0.0	0.0	9.12
9	84	-4.62	0.0	-1.13e-04	-0.08	0.0	-0.71	6.52	0.0	0.0	0.0	-6.60
		-6.60	0.0	0.0	0.0	15.2	-0.71	6.48	0.0	0.0	0.0	-5.61
						30.5	-0.71	6.44	0.0	0.0	0.0	-4.62
9	85	-0.46	0.0	-9.51e-06	-0.08	0.0	-0.20	0.26	0.0	0.0	0.0	-0.53
		-0.53	0.0	0.0	0.0	15.2	-0.20	0.22	0.0	0.0	0.0	-0.49
						30.5	-0.20	0.18	0.0	0.0	0.0	-0.46
9	87	-2.85	0.0	-6.99e-05	-0.08	0.0	-0.41	4.13	0.0	0.0	0.0	-4.10
		-4.10	0.0	0.0	0.0	15.2	-0.41	4.09	0.0	0.0	0.0	-3.47
						30.5	-0.41	4.05	0.0	0.0	0.0	-2.85
10	3	-27.52	0.0	-6.46e-04	-0.06	0.0	-4.00	29.45	0.0	0.0	0.0	-32.67
		-32.67	0.0	0.0	0.0	8.8	-4.00	29.42	0.0	0.0	0.0	-30.10
						17.5	-4.00	29.39	0.0	0.0	0.0	-27.52
10	10	27.65	0.0	4.36e-04	-0.05	0.0	1.92	-29.19	0.0	0.0	0.0	27.65
		22.53	0.0	0.0	0.0	8.8	1.92	-29.21	0.0	0.0	0.0	25.09
						17.5	1.92	-29.24	0.0	0.0	0.0	22.53
10	12	-31.44	0.0	-7.23e-04	-0.06	0.0	-4.36	34.42	0.0	0.0	0.0	-37.46
		-37.46	0.0	0.0	0.0	8.8	-4.36	34.39	0.0	0.0	0.0	-34.45
						17.5	-4.36	34.36	0.0	0.0	0.0	-31.44
10	21	-3.29	-1.46	-1.41e-04	-0.05	0.0	0.25	4.50	-1.33	1.96	-1.46	-4.08
		-4.08	-1.63	6.80e-06	0.0	8.8	0.25	4.48	-1.33	1.96	-1.54	-3.68
						17.5	0.25	4.46	-1.33	1.96	-1.63	-3.29
10	24	-5.64	1.63	-6.02e-05	-0.05	0.0	-1.44	5.50	1.33	-1.96	1.46	-6.60
		-6.60	1.46	-6.80e-06	0.0	8.8	-1.44	5.48	1.33	-1.96	1.54	-6.12
						17.5	-1.44	5.46	1.33	-1.96	1.63	-5.64
10	33	-0.55	-1.30	-2.36e-04	-0.05	0.0	2.22	3.32	-0.65	0.38	-1.30	-1.13
		-1.13	-1.38	6.57e-06	0.0	8.8	2.22	3.29	-0.65	0.38	-1.34	-0.84
						17.5	2.22	3.27	-0.65	0.38	-1.38	-0.55
10	34	-8.38	0.59	3.67e-05	-0.05	0.0	-3.41	6.70	-0.10	0.83	0.59	-9.54
		-9.54	0.58	-3.42e-06	0.0	8.8	-3.41	6.67	-0.10	0.83	0.59	-8.96
						17.5	-3.41	6.65	-0.10	0.83	0.58	-8.38
10	35	-0.55	-0.58	-2.36e-04	-0.05	0.0	2.22	3.31	0.10	-0.83	-0.59	-1.13
		-1.13	-0.59	3.42e-06	0.0	8.8	2.22	3.29	0.10	-0.83	-0.59	-0.84
						17.5	2.22	3.26	0.10	-0.83	-0.58	-0.55
10	36	-8.38	1.38	3.66e-05	-0.05	0.0	-3.41	6.69	0.65	-0.38	1.30	-9.54
		-9.54	1.30	-6.57e-06	0.0	8.8	-3.41	6.67	0.65	-0.38	1.34	-8.96
						17.5	-3.41	6.64	0.65	-0.38	1.38	-8.38
10	58	-4.84	-0.64	-8.77e-05	-0.05	0.0	-0.86	5.17	-0.61	0.89	-0.64	-5.74
		-5.74	-0.72	2.07e-06	0.0	8.8	-0.86	5.14	-0.61	0.89	-0.68	-5.29
						17.5	-0.86	5.12	-0.61	0.89	-0.72	-4.84
10	59	-4.09	0.72	-1.14e-04	-0.05	0.0	-0.33	4.84	0.61	-0.89	0.64	-4.94
		-4.94	0.64	-2.07e-06	0.0	8.8	-0.33	4.82	0.61	-0.89	0.68	-4.51
						17.5	-0.33	4.79	0.61	-0.89	0.72	-4.09
10	66	-5.70	0.10	-5.75e-05	-0.05	0.0	-1.49	5.54	-0.09	0.34	0.10	-6.67
		-6.67	0.09	0.0	0.0	8.8	-1.49	5.51	-0.09	0.34	0.10	-6.18
						17.5	-1.49	5.49	-0.09	0.34	0.09	-5.70
10	67	-3.23	-0.09	-1.44e-04	-0.05	0.0	0.30	4.47	0.09	-0.34	-0.10	-4.01
		-4.01	-0.10	0.0	0.0	8.8	0.30	4.45	0.09	-0.34	-0.10	-3.62

						17.5	0.30	4.42	0.09	-0.34	-0.09	-3.23
10	73	-3.23	0.10	-1.44e-04	-0.05	0.0	0.30	4.47	-0.09	0.34	0.10	-4.01
		-4.01	0.09	0.0	0.0	8.8	0.30	4.45	-0.09	0.34	0.10	-3.62
						17.5	0.30	4.43	-0.09	0.34	0.09	-3.23
10	76	-5.70	-0.09	-5.76e-05	-0.05	0.0	-1.49	5.54	0.09	-0.34	-0.10	-6.67
		-6.67	-0.10	0.0	0.0	8.8	-1.49	5.51	0.09	-0.34	-0.10	-6.18
						17.5	-1.49	5.49	0.09	-0.34	-0.09	-5.70
10	78	-18.66	0.0	-4.37e-04	-0.05	0.0	-2.70	20.00	0.0	0.0	0.0	-22.15
		-22.15	0.0	0.0	0.0	8.8	-2.70	19.98	0.0	0.0	0.0	-20.41
						17.5	-2.70	19.95	0.0	0.0	0.0	-18.66
10	81	16.31	0.0	2.50e-04	-0.05	0.0	1.04	-17.49	0.0	0.0	0.0	16.31
		13.25	0.0	0.0	0.0	8.8	1.04	-17.51	0.0	0.0	0.0	14.78
						17.5	1.04	-17.54	0.0	0.0	0.0	13.25
10	84	-7.30	0.0	-1.68e-04	-0.05	0.0	-1.02	8.00	0.0	0.0	0.0	-8.70
		-8.70	0.0	0.0	0.0	8.8	-1.02	7.98	0.0	0.0	0.0	-8.00
						17.5	-1.02	7.96	0.0	0.0	0.0	-7.30
10	85	-0.92	0.0	-3.05e-05	-0.05	0.0	-0.27	0.51	0.0	0.0	0.0	-1.01
		-1.01	0.0	0.0	0.0	8.8	-0.27	0.48	0.0	0.0	0.0	-0.96
						17.5	-0.27	0.46	0.0	0.0	0.0	-0.92
10	87	-4.47	0.0	-1.01e-04	-0.05	0.0	-0.59	5.00	0.0	0.0	0.0	-5.34
		-5.34	0.0	0.0	0.0	8.8	-0.59	4.98	0.0	0.0	0.0	-4.90
						17.5	-0.59	4.96	0.0	0.0	0.0	-4.47
11	3	-5.97	0.0	3.68e-03	-0.17	0.0	0.08	15.15	0.0	0.0	0.0	-13.11
		-13.11	0.0	0.0	0.0	23.7	0.08	15.06	0.0	0.0	0.0	-9.53
						47.4	0.08	14.98	0.0	0.0	0.0	-5.97
11	10	18.85	0.0	-1.27e-03	-0.13	0.0	-0.04	-17.83	0.0	0.0	0.0	18.85
		10.37	0.0	0.0	0.0	23.7	-0.04	-17.89	0.0	0.0	0.0	14.62
						47.4	-0.04	-17.96	0.0	0.0	0.0	10.37
11	12	-7.66	0.0	3.94e-03	-0.17	0.0	0.09	18.13	0.0	0.0	0.0	-16.22
		-16.22	0.0	0.0	0.0	23.7	0.09	18.04	0.0	0.0	0.0	-11.93
						47.4	0.09	17.96	0.0	0.0	0.0	-7.66
11	22	-1.09	3.30e-03	1.03e-03	-0.13	0.0	-0.03	2.52	-9.87e-03	-1.59	3.30e-03	-2.25
		-2.25	-1.39e-03	6.73e-06	0.0	23.7	-0.03	2.46	-9.87e-03	-1.59	9.56e-04	-1.66
						47.4	-0.03	2.39	-9.87e-03	-1.59	-1.39e-03	-1.09
11	23	-1.30	1.39e-03	3.74e-05	-0.13	0.0	0.05	2.77	9.87e-03	1.59	-3.30e-03	-2.58
		-2.58	-3.30e-03	-6.73e-06	0.0	23.7	0.05	2.70	9.87e-03	1.59	-9.56e-04	-1.93
						47.4	0.05	2.64	9.87e-03	1.59	1.39e-03	-1.30
11	34	-0.84	2.00e-03	2.20e-03	-0.13	0.0	-0.11	2.22	-5.60e-03	-0.71	2.00e-03	-1.86
		-1.86	-6.65e-04	8.79e-05	0.0	23.7	-0.11	2.16	-5.60e-03	-0.71	6.65e-04	-1.35
						47.4	-0.11	2.09	-5.60e-03	-0.71	-6.65e-04	-0.84
11	35	-1.54	6.65e-04	-1.14e-03	-0.13	0.0	0.14	3.07	5.60e-03	0.71	-2.00e-03	-2.96
		-2.96	-2.00e-03	-8.79e-05	0.0	23.7	0.14	3.00	5.60e-03	0.71	-6.65e-04	-2.25
						47.4	0.14	2.94	5.60e-03	0.71	6.65e-04	-1.54
11	57	-1.22	1.53e-03	3.71e-04	-0.13	0.0	0.02	2.61	-4.56e-03	-0.77	1.53e-03	-2.46
		-2.46	-6.43e-04	0.0	0.0	23.7	0.02	2.55	-4.56e-03	-0.77	4.42e-04	-1.83
						47.4	0.02	2.48	-4.56e-03	-0.77	-6.43e-04	-1.22
11	60	-1.16	6.43e-04	6.85e-04	-0.13	0.0	3.53e-05	2.68	4.56e-03	0.77	-1.53e-03	-2.37
		-2.37	-1.53e-03	0.0	0.0	23.7	3.53e-05	2.61	4.56e-03	0.77	-4.42e-04	-1.76
						47.4	3.53e-05	2.55	4.56e-03	0.77	6.43e-04	-1.16
11	66	-1.10	7.57e-04	1.05e-03	-0.13	0.0	-0.03	2.53	-2.16e-03	-0.29	7.57e-04	-2.27
		-2.27	-2.68e-04	2.26e-05	0.0	23.7	-0.03	2.47	-2.16e-03	-0.29	2.44e-04	-1.68
						47.4	-0.03	2.40	-2.16e-03	-0.29	-2.68e-04	-1.10
11	67	-1.28	2.68e-04	2.45e-05	-0.13	0.0	0.05	2.76	2.16e-03	0.29	-7.57e-04	-2.56
		-2.56	-7.57e-04	-2.26e-05	0.0	23.7	0.05	2.70	2.16e-03	0.29	-2.44e-04	-1.91
						47.4	0.05	2.63	2.16e-03	0.29	2.68e-04	-1.28
11	74	-1.10	1.01e-04	1.05e-03	-0.13	0.0	-0.03	2.76	-4.26e-04	-0.16	1.01e-04	-2.27
		-2.27	-1.03e-04	-2.77e-05	0.0	23.7	-0.03	2.70	-4.26e-04	-0.16	-1.25e-06	-1.68
						47.4	-0.03	2.63	-4.26e-04	-0.16	-1.03e-04	-1.10
11	78	-4.08	0.0	2.48e-03	-0.13	0.0	0.05	10.30	0.0	0.0	0.0	-8.93
		-8.93	0.0	0.0	0.0	23.7	0.05	10.23	0.0	0.0	0.0	-6.50
						47.4	0.05	10.17	0.0	0.0	0.0	-4.08
11	81	11.63	0.0	-6.29e-04	-0.13	0.0	-0.02	-10.85	0.0	0.0	0.0	11.63
		6.46	0.0	0.0	0.0	23.7	-0.02	-10.91	0.0	0.0	0.0	9.05
						47.4	-0.02	-10.98	0.0	0.0	0.0	6.46
11	84	-1.77	0.0	9.19e-04	-0.13	0.0	0.02	4.18	0.0	0.0	0.0	-3.72
		-3.72	0.0	0.0	0.0	23.7	0.02	4.11	0.0	0.0	0.0	-2.74
						47.4	0.02	4.05	0.0	0.0	0.0	-1.77
11	85	0.39	0.0	2.97e-04	-0.13	0.0	5.36e-03	-0.05	0.0	0.0	0.0	0.39
		0.34	0.0	0.0	0.0	23.7	5.36e-03	-0.12	0.0	0.0	0.0	0.37
						47.4	5.36e-03	-0.18	0.0	0.0	0.0	0.34
11	87	-1.19	0.0	5.28e-04	-0.13	0.0	0.01	2.65	0.0	0.0	0.0	-2.41
		-2.41	0.0	0.0	0.0	23.7	0.01	2.58	0.0	0.0	0.0	-1.80
						47.4	0.01	2.52	0.0	0.0	0.0	-1.19
12	3	-5.97	3.30e-04	-3.68e-03	-0.17	0.0	0.13	-14.98	1.12e-03	0.0	-2.01e-04	-5.97
		-13.11	-2.01e-04	0.0	0.0	23.7	0.13	-15.06	1.12e-03	0.0	6.44e-05	-9.53
						47.4	0.13	-15.15	1.12e-03	0.0	3.30e-04	-13.11
12	10	18.85	9.65e-05	1.27e-03	-0.13	0.0	-0.06	17.96	-5.37e-04	0.0	9.65e-05	10.37

		10.37	-1.58e-04	0.0	0.0	23.7	-0.06	17.89	-5.37e-04	0.0	-3.09e-05	14.62
						47.4	-0.06	17.83	-5.37e-04	0.0	-1.58e-04	18.85
12	12	-7.66	3.60e-04	-3.94e-03	-0.17	0.0	0.14	-17.96	1.22e-03	0.0	-2.19e-04	-7.66
		-16.22	-2.19e-04	0.0	0.0	23.7	0.14	-18.04	1.22e-03	0.0	7.02e-05	-11.93
						47.4	0.14	-18.13	1.22e-03	0.0	3.60e-04	-16.22
12	13	-1.09	6.39e-03	-1.03e-03	-0.13	0.0	-0.04	-2.65	0.02	1.59	-2.42e-03	-1.09
		-2.25	-2.42e-03	-6.79e-06	0.0	23.7	-0.04	-2.71	0.02	1.59	1.99e-03	-1.66
						47.4	-0.04	-2.77	0.02	1.59	6.39e-03	-2.25
12	16	-1.30	2.36e-03	-2.78e-05	-0.13	0.0	0.08	-2.39	-0.02	-1.59	2.36e-03	-1.30
		-2.58	-6.29e-03	6.78e-06	0.0	23.7	0.08	-2.45	-0.02	-1.59	-1.97e-03	-1.93
						47.4	0.08	-2.52	-0.02	-1.59	-6.29e-03	-2.58
12	29	-0.84	3.15e-03	-2.20e-03	-0.13	0.0	-0.16	-2.94	8.77e-03	0.71	-1.02e-03	-0.84
		-1.87	-1.02e-03	-8.79e-05	0.0	23.7	-0.16	-3.00	8.77e-03	0.71	1.06e-03	-1.35
						47.4	-0.16	-3.07	8.77e-03	0.71	3.15e-03	-1.87
12	32	-1.54	9.59e-04	1.14e-03	-0.13	0.0	0.19	-2.09	-8.44e-03	-0.71	9.59e-04	-1.54
		-2.96	-3.05e-03	8.79e-05	0.0	23.7	0.19	-2.16	-8.44e-03	-0.71	-1.05e-03	-2.24
						47.4	0.19	-2.22	-8.44e-03	-0.71	-3.05e-03	-2.96
12	33	-0.84	2.36e-03	-2.20e-03	-0.13	0.0	-0.16	-2.94	6.45e-03	0.59	-7.11e-04	-0.84
		-1.87	-7.11e-04	-3.71e-05	0.0	23.7	-0.16	-3.01	6.45e-03	0.59	8.22e-04	-1.35
						47.4	-0.16	-3.07	6.45e-03	0.59	2.36e-03	-1.87
12	34	-1.54	-1.12e-04	1.14e-03	-0.13	0.0	0.19	-2.09	-3.30e-04	0.07	-1.12e-04	-1.54
		-2.96	-2.72e-04	1.52e-04	0.0	23.7	0.19	-2.16	-3.30e-04	0.07	-1.92e-04	-2.24
						47.4	0.19	-2.22	-3.30e-04	0.07	-2.72e-04	-2.96
12	50	-1.22	3.02e-03	-3.71e-04	-0.13	0.0	0.03	-2.48	8.81e-03	0.77	-1.16e-03	-1.22
		-2.46	-1.16e-03	0.0	0.0	23.7	0.03	-2.55	8.81e-03	0.77	9.29e-04	-1.83
						47.4	0.03	-2.61	8.81e-03	0.77	3.02e-03	-2.46
12	51	-1.16	1.10e-03	-6.85e-04	-0.13	0.0	7.93e-03	-2.55	-8.48e-03	-0.77	1.10e-03	-1.16
		-2.37	-2.92e-03	0.0	0.0	23.7	7.93e-03	-2.61	-8.48e-03	-0.77	-9.10e-04	-1.76
						47.4	7.93e-03	-2.68	-8.48e-03	-0.77	-2.92e-03	-2.37
12	65	-1.10	9.78e-04	-1.05e-03	-0.13	0.0	-0.04	-2.63	2.74e-03	0.11	-3.23e-04	-1.10
		-2.56	-3.23e-04	-1.61e-06	0.0	23.7	-0.04	-2.70	2.74e-03	0.11	3.27e-04	-1.82
						47.4	-0.04	-2.76	2.74e-03	0.11	9.78e-04	-2.56
12	69	-1.10	3.82e-04	-1.05e-03	-0.13	0.0	-0.04	-2.63	1.20e-03	0.16	-1.88e-04	-1.10
		-2.27	-1.88e-04	2.77e-05	0.0	23.7	-0.04	-2.70	1.20e-03	0.16	9.68e-05	-1.68
						47.4	-0.04	-2.76	1.20e-03	0.16	3.82e-04	-2.27
12	72	-1.28	1.29e-04	1.94e-05	-0.13	0.0	0.07	-2.40	-8.70e-04	-0.16	1.29e-04	-1.28
		-2.56	-2.84e-04	-2.77e-05	0.0	23.7	0.07	-2.46	-8.70e-04	-0.16	-7.77e-05	-1.91
						47.4	0.07	-2.53	-8.70e-04	-0.16	-2.84e-04	-2.56
12	74	-1.28	1.10e-03	1.93e-05	-0.13	0.0	0.07	-2.40	3.15e-03	0.23	-3.99e-04	-1.28
		-2.56	-3.99e-04	-1.62e-06	0.0	23.7	0.07	-2.47	3.15e-03	0.23	3.50e-04	-1.91
						47.4	0.07	-2.53	3.15e-03	0.23	1.10e-03	-2.56
12	78	-4.08	2.23e-04	-2.48e-03	-0.13	0.0	0.09	-10.17	7.57e-04	0.0	-1.36e-04	-4.08
		-8.93	-1.36e-04	0.0	0.0	23.7	0.09	-10.23	7.57e-04	0.0	4.35e-05	-6.50
						47.4	0.09	-10.30	7.57e-04	0.0	2.23e-04	-8.93
12	81	11.63	5.22e-05	6.29e-04	-0.13	0.0	-0.03	10.98	-2.91e-04	0.0	5.22e-05	6.46
		6.46	-8.56e-05	0.0	0.0	23.7	-0.03	10.91	-2.91e-04	0.0	-1.67e-05	9.05
						47.4	-0.03	10.85	-2.91e-04	0.0	-8.56e-05	11.63
12	84	-1.77	8.38e-05	-9.19e-04	-0.13	0.0	0.03	-4.05	2.84e-04	0.0	-5.11e-05	-1.77
		-3.72	-5.11e-05	0.0	0.0	23.7	0.03	-4.11	2.84e-04	0.0	1.63e-05	-2.74
						47.4	0.03	-4.18	2.84e-04	0.0	8.38e-05	-3.72
12	85	0.39	2.21e-05	-2.97e-04	-0.13	0.0	8.57e-03	0.18	7.49e-05	0.0	-1.35e-05	0.34
		0.34	-1.35e-05	0.0	0.0	23.7	8.57e-03	0.12	7.49e-05	0.0	4.31e-06	0.37
						47.4	8.57e-03	0.05	7.49e-05	0.0	2.21e-05	0.39
12	87	-1.19	4.90e-05	-5.28e-04	-0.13	0.0	0.02	-2.52	1.66e-04	0.0	-2.99e-05	-1.19
		-2.41	-2.99e-05	0.0	0.0	23.7	0.02	-2.58	1.66e-04	0.0	9.56e-06	-1.80
						47.4	0.02	-2.65	1.66e-04	0.0	4.90e-05	-2.41
13	3	3.31	9.63e-05	-0.02	2.53	0.0	-0.02	0.0	3.68e-05	0.0	0.0	0.0
		0.0	0.0	-1.01e-06	0.0	130.8	-0.02	1.27	3.68e-05	0.0	4.82e-05	0.83
						261.5	-0.02	2.53	3.68e-05	0.0	9.63e-05	3.31
13	10	0.0	0.0	0.03	-4.65	0.0	9.54e-03	0.0	-1.77e-05	0.0	0.0	0.0
		-6.08	-4.62e-05	0.0	0.0	130.8	9.54e-03	-2.33	-1.77e-05	0.0	-2.31e-05	-1.52
						261.5	9.54e-03	-4.65	-1.77e-05	0.0	-4.62e-05	-6.08
13	12	4.29	1.05e-04	-0.02	3.28	0.0	-0.02	0.0	4.02e-05	0.0	0.0	0.0
		0.0	0.0	-1.10e-06	0.0	130.8	-0.02	1.64	4.02e-05	0.0	5.25e-05	1.07
						261.5	-0.02	3.28	4.02e-05	0.0	1.05e-04	4.29
13	14	0.30	0.05	0.02	0.45	0.0	-0.04	-0.11	0.02	0.0	0.0	0.0
		-0.03	0.0	8.35e-04	0.0	130.8	-0.04	0.11	0.02	0.0	0.03	3.65e-03
						261.5	-0.04	0.34	0.02	0.0	0.05	0.30
13	15	0.87	0.0	-0.03	0.45	0.0	0.03	0.11	-0.02	0.0	0.0	0.0
		0.0	-0.05	-8.35e-04	0.0	130.8	0.03	0.33	-0.02	0.0	-0.03	0.29
						261.5	0.03	0.56	-0.02	0.0	-0.05	0.87
13	17	0.31	0.05	0.02	0.45	0.0	-0.05	-0.10	0.02	0.0	0.0	0.0
		-0.03	0.0	8.75e-04	0.0	130.8	-0.05	0.12	0.02	0.0	0.02	7.64e-03
						261.5	-0.05	0.35	0.02	0.0	0.05	0.31
13	20	0.86	0.0	-0.03	0.45	0.0	0.04	0.10	-0.02	0.0	0.0	0.0
		0.0	-0.05	-8.75e-04	0.0	130.8	0.04	0.32	-0.02	0.0	-0.02	0.29
						261.5	0.04	0.55	-0.02	0.0	-0.05	0.86

13	49	0.45	0.02	8.28e-03	0.45	0.0	-0.02	-0.05	8.55e-03	0.0	0.0	0.0
		-7.77e-03	0.0	4.29e-04	0.0	130.8	-0.02	0.18	8.55e-03	0.0	0.01	0.08
						261.5	-0.02	0.40	8.55e-03	0.0	0.02	0.45
13	52	0.72	0.0	-0.01	0.45	0.0	0.02	0.05	-8.54e-03	0.0	0.0	0.0
		0.0	-0.02	-4.29e-04	0.0	130.8	0.02	0.27	-8.54e-03	0.0	-0.01	0.21
						261.5	0.02	0.50	-8.54e-03	0.0	-0.02	0.72
13	78	2.25	6.51e-05	-0.01	1.72	0.0	-0.01	0.0	2.49e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	0.86	2.49e-05	0.0	3.25e-05	0.56
						261.5	-0.01	1.72	2.49e-05	0.0	6.51e-05	2.25
13	81	0.0	0.0	0.02	-2.93	0.0	5.17e-03	0.0	-9.56e-06	0.0	0.0	0.0
		-3.82	-2.50e-05	0.0	0.0	130.8	5.17e-03	-1.46	-9.56e-06	0.0	-1.25e-05	-0.96
						261.5	5.17e-03	-2.93	-9.56e-06	0.0	-2.50e-05	-3.82
13	84	0.92	2.45e-05	-4.93e-03	0.70	0.0	-5.05e-03	0.0	9.36e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-5.05e-03	0.35	9.36e-06	0.0	1.22e-05	0.23
						261.5	-5.05e-03	0.70	9.36e-06	0.0	2.45e-05	0.92
13	85	0.0	6.44e-06	1.59e-03	-0.23	0.0	-1.33e-03	0.0	2.46e-06	0.0	0.0	0.0
		-0.30	0.0	0.0	0.0	130.8	-1.33e-03	-0.11	2.46e-06	0.0	3.22e-06	-0.07
						261.5	-1.33e-03	-0.23	2.46e-06	0.0	6.44e-06	-0.30
13	87	0.59	1.43e-05	-3.14e-03	0.45	0.0	-2.96e-03	0.0	5.47e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-2.96e-03	0.22	5.47e-06	0.0	7.15e-06	0.15
						261.5	-2.96e-03	0.45	5.47e-06	0.0	1.43e-05	0.59
14	3	3.31	9.63e-05	0.02	2.53	0.0	-0.02	-2.53	-3.68e-05	0.0	9.63e-05	3.31
		0.0	0.0	1.01e-06	0.0	130.8	-0.02	-1.27	-3.68e-05	0.0	4.82e-05	0.83
						261.5	-0.02	0.0	-3.68e-05	0.0	0.0	0.0
14	10	0.0	0.0	-0.03	-4.65	0.0	9.54e-03	4.65	1.77e-05	0.0	-4.62e-05	-6.08
		-6.08	-4.62e-05	0.0	0.0	130.8	9.54e-03	2.33	1.77e-05	0.0	-2.31e-05	-1.52
						261.5	9.54e-03	0.0	1.77e-05	0.0	0.0	0.0
14	12	4.29	1.05e-04	0.02	3.28	0.0	-0.02	-3.28	-4.01e-05	0.0	1.05e-04	4.29
		0.0	0.0	1.10e-06	0.0	130.8	-0.02	-1.64	-4.01e-05	0.0	5.25e-05	1.07
						261.5	-0.02	0.0	-4.01e-05	0.0	0.0	0.0
14	13	0.30	0.0	0.03	0.45	0.0	0.02	-0.34	0.01	0.0	-0.03	0.30
		-0.04	-0.03	1.09e-03	0.0	130.8	0.02	-0.11	0.01	0.0	-0.02	3.06e-03
						261.5	0.02	0.11	0.01	0.0	0.0	0.0
14	14	0.33	0.0	0.03	0.45	0.0	0.04	-0.35	0.02	0.0	-0.05	0.33
		-0.03	-0.05	8.31e-04	0.0	130.8	0.04	-0.13	0.02	0.0	-0.03	0.02
						261.5	0.04	0.10	0.02	0.0	0.0	0.0
14	15	0.84	0.05	-0.02	0.45	0.0	-0.05	-0.54	-0.02	0.0	0.05	0.84
		0.0	0.0	-8.30e-04	0.0	130.8	-0.05	-0.32	-0.02	0.0	0.03	0.27
						261.5	-0.05	-0.10	-0.02	0.0	0.0	0.0
14	16	0.87	0.03	-0.02	0.45	0.0	-0.03	-0.56	-0.01	0.0	0.03	0.87
		0.0	0.0	-1.09e-03	0.0	130.8	-0.03	-0.33	-0.01	0.0	0.02	0.29
						261.5	-0.03	-0.11	-0.01	0.0	0.0	0.0
14	45	0.45	0.0	0.02	0.45	0.0	0.01	-0.40	6.52e-03	0.0	-0.02	0.45
		-7.77e-03	-0.02	5.10e-04	0.0	130.8	0.01	-0.17	6.52e-03	0.0	-8.52e-03	0.08
						261.5	0.01	0.05	6.52e-03	0.0	0.0	0.0
14	46	0.46	0.0	0.01	0.45	0.0	0.02	-0.40	8.54e-03	0.0	-0.02	0.46
		-6.72e-03	-0.02	4.29e-04	0.0	130.8	0.02	-0.18	8.54e-03	0.0	-0.01	0.08
						261.5	0.02	0.05	8.54e-03	0.0	0.0	0.0
14	47	0.71	0.02	-8.28e-03	0.45	0.0	-0.02	-0.50	-8.55e-03	0.0	0.02	0.71
		0.0	0.0	-4.29e-04	0.0	130.8	-0.02	-0.27	-8.55e-03	0.0	0.01	0.21
						261.5	-0.02	-0.05	-8.55e-03	0.0	0.0	0.0
14	48	0.72	0.02	-8.74e-03	0.45	0.0	-0.02	-0.50	-6.53e-03	0.0	0.02	0.72
		0.0	0.0	-5.10e-04	0.0	130.8	-0.02	-0.28	-6.53e-03	0.0	8.53e-03	0.21
						261.5	-0.02	-0.05	-6.53e-03	0.0	0.0	0.0
14	78	2.25	6.51e-05	0.01	1.72	0.0	-0.01	-1.72	-2.49e-05	0.0	6.51e-05	2.25
		0.0	0.0	0.0	0.0	130.8	-0.01	-0.86	-2.49e-05	0.0	3.25e-05	0.56
						261.5	-0.01	0.0	-2.49e-05	0.0	0.0	0.0
14	81	0.0	0.0	-0.02	-2.93	0.0	5.17e-03	2.93	9.56e-06	0.0	-2.50e-05	-3.82
		-3.82	-2.50e-05	0.0	0.0	130.8	5.17e-03	1.46	9.56e-06	0.0	-1.25e-05	-0.96
						261.5	5.17e-03	0.0	9.56e-06	0.0	0.0	0.0
14	84	0.92	2.45e-05	4.93e-03	0.70	0.0	-5.05e-03	-0.70	-9.35e-06	0.0	2.45e-05	0.92
		0.0	0.0	0.0	0.0	130.8	-5.05e-03	-0.35	-9.35e-06	0.0	1.22e-05	0.23
						261.5	-5.05e-03	0.0	-9.35e-06	0.0	0.0	0.0
14	85	0.0	6.44e-06	-1.59e-03	-0.23	0.0	-1.33e-03	0.23	-2.46e-06	0.0	6.44e-06	-0.30
		-0.30	0.0	0.0	0.0	130.8	-1.33e-03	0.11	-2.46e-06	0.0	3.22e-06	-0.07
						261.5	-1.33e-03	0.0	-2.46e-06	0.0	0.0	0.0
14	87	0.59	1.43e-05	3.14e-03	0.45	0.0	-2.96e-03	-0.45	-5.47e-06	0.0	1.43e-05	0.59
		0.0	0.0	0.0	0.0	130.8	-2.96e-03	-0.22	-5.47e-06	0.0	7.15e-06	0.15
						261.5	-2.96e-03	0.0	-5.47e-06	0.0	0.0	0.0
15	3	3.31	0.0	-0.02	2.53	0.0	-0.01	0.0	-2.55e-05	0.0	0.0	0.0
		0.0	-6.67e-05	0.0	0.0	130.8	-0.01	1.27	-2.55e-05	0.0	-3.34e-05	0.83
						261.5	-0.01	2.53	-2.55e-05	0.0	-6.67e-05	3.31
15	10	0.0	2.85e-05	0.03	-4.65	0.0	5.53e-03	0.0	1.09e-05	0.0	0.0	0.0
		-6.08	0.0	0.0	0.0	130.8	5.53e-03	-2.33	1.09e-05	0.0	1.42e-05	-1.52
						261.5	5.53e-03	-4.65	1.09e-05	0.0	2.85e-05	-6.08
15	12	4.29	0.0	-0.02	3.28	0.0	-0.01	0.0	-2.76e-05	0.0	0.0	0.0
		0.0	-7.22e-05	0.0	0.0	130.8	-0.01	1.64	-2.76e-05	0.0	-3.61e-05	1.07

						261.5	-0.01	3.28	-2.76e-05	0.0	-7.22e-05	4.29
15	13	0.87	0.0	0.02	0.45	0.0	-0.03	-0.09	-0.01	0.0	0.0	0.0
		0.0	-0.03	5.84e-04	0.0	130.8	-0.03	0.13	-0.01	0.0	-0.02	0.29
						261.5	-0.03	0.35	-0.01	0.0	-0.03	0.87
15	14	0.83	0.0	0.02	0.45	0.0	-0.04	-0.11	-0.02	0.0	0.0	0.0
		0.0	-0.05	7.36e-04	0.0	130.8	-0.04	0.12	-0.02	0.0	-0.03	0.27
						261.5	-0.04	0.34	-0.02	0.0	-0.05	0.83
15	15	0.34	0.05	-0.03	0.45	0.0	0.04	0.11	0.02	0.0	0.0	0.0
		-0.03	0.0	-7.36e-04	0.0	130.8	0.04	0.33	0.02	0.0	0.03	0.02
						261.5	0.04	0.56	0.02	0.0	0.05	0.34
15	16	0.30	0.03	-0.03	0.45	0.0	0.03	0.09	0.01	0.0	0.0	0.0
		-0.03	0.0	-5.83e-04	0.0	130.8	0.03	0.32	0.01	0.0	0.02	5.54e-03
						261.5	0.03	0.54	0.01	0.0	0.03	0.30
15	45	0.72	0.0	8.69e-03	0.45	0.0	-0.02	-0.05	-6.59e-03	0.0	0.0	0.0
		0.0	-0.02	2.69e-04	0.0	130.8	-0.02	0.18	-6.59e-03	0.0	-8.62e-03	0.21
						261.5	-0.02	0.40	-6.59e-03	0.0	-0.02	0.72
15	46	0.71	0.0	8.22e-03	0.45	0.0	-0.02	-0.05	-8.44e-03	0.0	0.0	0.0
		0.0	-0.02	3.21e-04	0.0	130.8	-0.02	0.17	-8.44e-03	0.0	-0.01	0.21
						261.5	-0.02	0.40	-8.44e-03	0.0	-0.02	0.71
15	47	0.46	0.02	-0.01	0.45	0.0	0.02	0.05	8.43e-03	0.0	0.0	0.0
		-6.37e-03	0.0	-3.20e-04	0.0	130.8	0.02	0.27	8.43e-03	0.0	0.01	0.08
						261.5	0.02	0.50	8.43e-03	0.0	0.02	0.46
15	48	0.45	0.02	-0.01	0.45	0.0	0.01	0.05	6.58e-03	0.0	0.0	0.0
		-7.45e-03	0.0	-2.69e-04	0.0	130.8	0.01	0.27	6.58e-03	0.0	8.61e-03	0.08
						261.5	0.01	0.50	6.58e-03	0.0	0.02	0.45
15	78	2.25	0.0	-0.01	1.72	0.0	-8.74e-03	0.0	-1.72e-05	0.0	0.0	0.0
		0.0	-4.51e-05	0.0	0.0	130.8	-8.74e-03	0.86	-1.72e-05	0.0	-2.25e-05	0.56
						261.5	-8.74e-03	1.72	-1.72e-05	0.0	-4.51e-05	2.25
15	81	0.0	1.50e-05	0.02	-2.93	0.0	2.91e-03	0.0	5.75e-06	0.0	0.0	0.0
		-3.82	0.0	0.0	0.0	130.8	2.91e-03	-1.46	5.75e-06	0.0	7.51e-06	-0.96
						261.5	2.91e-03	-2.93	5.75e-06	0.0	1.50e-05	-3.82
15	84	0.92	0.0	-4.93e-03	0.70	0.0	-3.27e-03	0.0	-6.44e-06	0.0	0.0	0.0
		0.0	-1.68e-05	0.0	0.0	130.8	-3.27e-03	0.35	-6.44e-06	0.0	-8.42e-06	0.23
						261.5	-3.27e-03	0.70	-6.44e-06	0.0	-1.68e-05	0.92
15	85	0.0	0.0	1.59e-03	-0.23	0.0	-9.35e-04	0.0	-1.84e-06	0.0	0.0	0.0
		-0.30	-4.82e-06	0.0	0.0	130.8	-9.35e-04	-0.11	-1.84e-06	0.0	-2.41e-06	-0.07
						261.5	-9.35e-04	-0.23	-1.84e-06	0.0	-4.82e-06	-0.30
15	87	0.59	0.0	-3.14e-03	0.45	0.0	-1.90e-03	0.0	-3.74e-06	0.0	0.0	0.0
		0.0	-9.79e-06	0.0	0.0	130.8	-1.90e-03	0.22	-3.74e-06	0.0	-4.89e-06	0.15
						261.5	-1.90e-03	0.45	-3.74e-06	0.0	-9.79e-06	0.59
16	3	3.31	0.0	0.02	2.53	0.0	-0.01	-2.53	2.55e-05	0.0	-6.67e-05	3.31
		0.0	-6.67e-05	0.0	0.0	130.8	-0.01	-1.27	2.55e-05	0.0	-3.33e-05	0.83
						261.5	-0.01	0.0	2.55e-05	0.0	0.0	0.0
16	10	0.0	2.85e-05	-0.03	-4.65	0.0	5.53e-03	4.65	-1.09e-05	0.0	2.85e-05	-6.08
		-6.08	0.0	0.0	0.0	130.8	5.53e-03	2.33	-1.09e-05	0.0	1.42e-05	-1.52
						261.5	5.53e-03	0.0	-1.09e-05	0.0	0.0	0.0
16	12	4.29	0.0	0.02	3.28	0.0	-0.01	-3.28	2.76e-05	0.0	-7.22e-05	4.29
		0.0	-7.22e-05	0.0	0.0	130.8	-0.01	-1.64	2.76e-05	0.0	-3.61e-05	1.07
						261.5	-0.01	0.0	2.76e-05	0.0	0.0	0.0
16	13	0.31	0.03	0.03	0.45	0.0	0.04	-0.34	-0.01	0.0	0.03	0.31
		-0.03	0.0	5.86e-04	0.0	130.8	0.04	-0.12	-0.01	0.0	0.02	6.21e-03
						261.5	0.04	0.11	-0.01	0.0	0.0	0.0
16	14	0.34	0.05	0.03	0.45	0.0	0.03	-0.35	-0.02	0.0	0.05	0.34
		-0.03	0.0	7.34e-04	0.0	130.8	0.03	-0.13	-0.02	0.0	0.03	0.02
						261.5	0.03	0.09	-0.02	0.0	0.0	0.0
16	15	0.83	0.0	-0.02	0.45	0.0	-0.03	-0.54	0.02	0.0	-0.05	0.83
		0.0	-0.05	-7.34e-04	0.0	130.8	-0.03	-0.32	0.02	0.0	-0.03	0.27
						261.5	-0.03	-0.09	0.02	0.0	0.0	0.0
16	16	0.87	0.0	-0.02	0.45	0.0	-0.04	-0.56	0.01	0.0	-0.03	0.87
		0.0	-0.03	-5.86e-04	0.0	130.8	-0.04	-0.33	0.01	0.0	-0.02	0.29
						261.5	-0.04	-0.11	0.01	0.0	0.0	0.0
16	49	0.45	0.02	0.01	0.45	0.0	0.02	-0.40	-8.43e-03	0.0	0.02	0.45
		-7.45e-03	0.0	3.20e-04	0.0	130.8	0.02	-0.17	-8.43e-03	0.0	0.01	0.08
						261.5	0.02	0.05	-8.43e-03	0.0	0.0	0.0
16	52	0.72	0.0	-8.22e-03	0.45	0.0	-0.02	-0.50	8.44e-03	0.0	-0.02	0.72
		0.0	-0.02	-3.21e-04	0.0	130.8	-0.02	-0.27	8.44e-03	0.0	-0.01	0.21
						261.5	-0.02	-0.05	8.44e-03	0.0	0.0	0.0
16	78	2.25	0.0	0.01	1.72	0.0	-8.74e-03	-1.72	1.72e-05	0.0	-4.51e-05	2.25
		0.0	-4.51e-05	0.0	0.0	130.8	-8.74e-03	-0.86	1.72e-05	0.0	-2.25e-05	0.56
						261.5	-8.74e-03	0.0	1.72e-05	0.0	0.0	0.0
16	81	0.0	1.50e-05	-0.02	-2.93	0.0	2.91e-03	2.93	-5.74e-06	0.0	1.50e-05	-3.82
		-3.82	0.0	0.0	0.0	130.8	2.91e-03	1.46	-5.74e-06	0.0	7.51e-06	-0.96
						261.5	2.91e-03	0.0	-5.74e-06	0.0	0.0	0.0
16	84	0.92	0.0	4.93e-03	0.70	0.0	-3.27e-03	-0.70	6.44e-06	0.0	-1.68e-05	0.92
		0.0	-1.68e-05	0.0	0.0	130.8	-3.27e-03	-0.35	6.44e-06	0.0	-8.42e-06	0.23
						261.5	-3.27e-03	0.0	6.44e-06	0.0	0.0	0.0
16	85	0.0	0.0	-1.59e-03	-0.23	0.0	-9.35e-04	0.23	1.84e-06	0.0	-4.82e-06	-0.30

		-0.30	-4.82e-06	0.0	0.0	130.8	-9.35e-04	0.11	1.84e-06	0.0	-2.41e-06	-0.07
						261.5	-9.35e-04	0.0	1.84e-06	0.0	0.0	0.0
16	87	0.59	0.0	3.14e-03	0.45	0.0	-1.90e-03	-0.45	3.74e-06	0.0	-9.78e-06	0.59
		0.0	-9.78e-06	0.0	0.0	130.8	-1.90e-03	-0.22	3.74e-06	0.0	-4.89e-06	0.15
						261.5	-1.90e-03	0.0	3.74e-06	0.0	0.0	0.0
17	3	-27.52	0.0	6.46e-04	-0.06	0.0	-4.00	-29.39	0.0	0.0	0.0	-27.52
		-32.67	0.0	0.0	0.0	8.8	-4.00	-29.42	0.0	0.0	0.0	-30.10
						17.5	-4.00	-29.45	0.0	0.0	0.0	-32.67
17	10	27.65	0.0	-4.36e-04	-0.05	0.0	1.92	29.24	0.0	0.0	0.0	22.53
		22.53	0.0	0.0	0.0	8.8	1.92	29.21	0.0	0.0	0.0	25.09
						17.5	1.92	29.19	0.0	0.0	0.0	27.65
17	12	-31.44	0.0	7.23e-04	-0.06	0.0	-4.36	-34.36	0.0	0.0	0.0	-31.44
		-37.46	0.0	0.0	0.0	8.8	-4.36	-34.39	0.0	0.0	0.0	-34.45
						17.5	-4.36	-34.42	0.0	0.0	0.0	-37.46
17	14	-3.29	-1.46	1.41e-04	-0.05	0.0	0.25	-4.45	1.33	-1.96	-1.63	-3.29
		-4.08	-1.63	-6.55e-06	0.0	8.8	0.25	-4.48	1.33	-1.96	-1.54	-3.68
						17.5	0.25	-4.50	1.33	-1.96	-1.46	-4.08
17	15	-5.64	1.63	6.01e-05	-0.05	0.0	-1.44	-5.46	-1.33	1.96	1.63	-5.64
		-6.60	1.46	6.55e-06	0.0	8.8	-1.44	-5.49	-1.33	1.96	1.54	-6.12
						17.5	-1.44	-5.51	-1.33	1.96	1.46	-6.60
17	33	-8.38	1.14	-3.48e-05	-0.05	0.0	-3.41	-6.65	-0.03	0.10	0.76	-8.38
		-9.54	0.76	2.64e-05	0.0	8.8	-3.41	-6.67	-0.03	0.10	0.95	-8.96
						17.5	-3.41	-6.70	-0.03	0.10	1.14	-9.54
17	34	-0.55	-0.75	2.36e-04	-0.05	0.0	2.22	-3.27	0.51	0.56	-1.19	-0.55
		-1.13	-1.19	1.65e-05	0.0	8.8	2.22	-3.29	0.51	0.56	-0.97	-0.84
						17.5	2.22	-3.31	0.51	0.56	-0.75	-1.13
17	35	-8.38	1.19	-3.48e-05	-0.05	0.0	-3.41	-6.65	-0.51	-0.56	1.19	-8.38
		-9.54	0.75	-1.65e-05	0.0	8.8	-3.41	-6.67	-0.51	-0.56	0.97	-8.96
						17.5	-3.41	-6.69	-0.51	-0.56	0.75	-9.54
17	36	-0.55	-0.76	2.36e-04	-0.05	0.0	2.22	-3.27	0.03	-0.10	-0.76	-0.55
		-1.13	-1.14	-2.64e-05	0.0	8.8	2.22	-3.29	0.03	-0.10	-0.95	-0.84
						17.5	2.22	-3.31	0.03	-0.10	-1.14	-1.13
17	49	-4.84	-0.64	8.78e-05	-0.05	0.0	-0.86	-5.12	0.61	-0.89	-0.72	-4.84
		-5.74	-0.72	-1.67e-06	0.0	8.8	-0.86	-5.14	0.61	-0.89	-0.68	-5.29
						17.5	-0.86	-5.17	0.61	-0.89	-0.64	-5.74
17	52	-4.09	0.72	1.14e-04	-0.05	0.0	-0.33	-4.80	-0.61	0.89	0.72	-4.09
		-4.94	0.64	1.67e-06	0.0	8.8	-0.33	-4.82	-0.61	0.89	0.68	-4.52
						17.5	-0.33	-4.84	-0.61	0.89	0.64	-4.94
17	65	-5.70	0.37	5.75e-05	-0.05	0.0	-1.49	-5.49	0.03	0.08	0.17	-5.70
		-6.67	0.17	9.69e-06	0.0	8.8	-1.49	-5.51	0.03	0.08	0.27	-6.18
						17.5	-1.49	-5.54	0.03	0.08	0.37	-6.67
17	68	-3.23	-0.17	1.44e-04	-0.05	0.0	0.30	-4.42	-0.03	-0.08	-0.17	-3.23
		-4.01	-0.37	-9.69e-06	0.0	8.8	0.30	-4.45	-0.03	-0.08	-0.27	-3.62
						17.5	0.30	-4.47	-0.03	-0.08	-0.37	-4.01
17	74	-3.23	0.37	1.44e-04	-0.05	0.0	0.30	-4.42	0.03	0.08	0.17	-3.23
		-4.01	0.17	9.69e-06	0.0	8.8	0.30	-4.45	0.03	0.08	0.27	-3.62
						17.5	0.30	-4.47	0.03	0.08	0.37	-4.01
17	75	-5.70	-0.17	5.75e-05	-0.05	0.0	-1.49	-5.49	-0.03	-0.08	-0.17	-5.70
		-6.67	-0.37	-9.69e-06	0.0	8.8	-1.49	-5.51	-0.03	-0.08	-0.27	-6.18
						17.5	-1.49	-5.54	-0.03	-0.08	-0.37	-6.67
17	78	-18.66	0.0	4.37e-04	-0.05	0.0	-2.70	-19.95	0.0	0.0	0.0	-18.66
		-22.15	0.0	0.0	0.0	8.8	-2.70	-19.98	0.0	0.0	0.0	-20.41
						17.5	-2.70	-20.00	0.0	0.0	0.0	-22.15
17	81	16.31	0.0	-2.50e-04	-0.05	0.0	1.04	17.54	0.0	0.0	0.0	13.25
		13.25	0.0	0.0	0.0	8.8	1.04	17.51	0.0	0.0	0.0	14.78
						17.5	1.04	17.49	0.0	0.0	0.0	16.31
17	84	-7.30	0.0	1.68e-04	-0.05	0.0	-1.02	-7.96	0.0	0.0	0.0	-7.30
		-8.70	0.0	0.0	0.0	8.8	-1.02	-7.98	0.0	0.0	0.0	-8.00
						17.5	-1.02	-8.00	0.0	0.0	0.0	-8.70
17	85	-0.92	0.0	3.05e-05	-0.05	0.0	-0.27	-0.46	0.0	0.0	0.0	-0.92
		-1.01	0.0	0.0	0.0	8.8	-0.27	-0.48	0.0	0.0	0.0	-0.96
						17.5	-0.27	-0.51	0.0	0.0	0.0	-1.01
17	87	-4.47	0.0	1.01e-04	-0.05	0.0	-0.59	-4.96	0.0	0.0	0.0	-4.47
		-5.34	0.0	0.0	0.0	8.8	-0.59	-4.98	0.0	0.0	0.0	-4.90
						17.5	-0.59	-5.00	0.0	0.0	0.0	-5.34
18	3	-1.79	0.0	-4.06e-03	-0.40	0.0	-0.17	21.57	0.0	0.0	0.0	-26.02
		-26.02	0.0	0.0	0.0	56.7	-0.17	21.37	0.0	0.0	0.0	-13.85
						113.4	-0.17	21.17	0.0	0.0	0.0	-1.79
18	10	21.63	0.0	4.03e-03	-0.31	0.0	0.07	-18.26	0.0	0.0	0.0	21.63
		0.75	0.0	0.0	0.0	56.7	0.07	-18.41	0.0	0.0	0.0	11.23
						113.4	0.07	-18.57	0.0	0.0	0.0	0.75
18	12	-1.94	0.0	-4.75e-03	-0.40	0.0	-0.19	24.75	0.0	0.0	0.0	-29.77
		-29.77	0.0	0.0	0.0	56.7	-0.19	24.55	0.0	0.0	0.0	-15.80
						113.4	-0.19	24.34	0.0	0.0	0.0	-1.94
18	14	-0.72	0.41	-5.96e-04	-0.31	0.0	-0.07	3.94	1.69	-1.76	-1.50	-5.01
		-5.01	-1.50	-1.92e-04	0.0	56.7	-0.07	3.79	1.69	-1.76	-0.55	-2.82
						113.4	-0.07	3.63	1.69	-1.76	0.41	-0.72

18	15	0.15	1.50	-7.74e-04	-0.31	0.0	0.02	3.34	-1.69	1.76	1.50	-3.46
		-3.46	-0.41	1.92e-04	0.0	56.7	0.02	3.18	-1.69	1.76	0.55	-1.61
						113.4	0.02	3.03	-1.69	1.76	-0.41	0.15
18	29	1.17	0.48	-9.83e-04	-0.31	0.0	0.12	2.63	-0.54	-0.76	0.48	-1.66
		-1.66	-0.13	-2.52e-04	0.0	56.7	0.12	2.48	-0.54	-0.76	0.17	-0.20
						113.4	0.12	2.32	-0.54	-0.76	-0.13	1.17
18	32	-1.74	0.13	-3.87e-04	-0.31	0.0	-0.17	4.65	0.54	0.76	-0.48	-6.81
		-6.81	-0.48	2.52e-04	0.0	56.7	-0.17	4.49	0.54	0.76	-0.17	-4.23
						113.4	-0.17	4.34	0.54	0.76	0.13	-1.74
18	34	-1.74	0.29	-3.87e-04	-0.31	0.0	-0.17	4.65	1.19	0.74	-1.06	-6.81
		-6.81	-1.06	2.99e-04	0.0	56.7	-0.17	4.49	1.19	0.74	-0.38	-4.23
						113.4	-0.17	4.34	1.19	0.74	0.29	-1.74
18	35	1.17	1.06	-9.83e-04	-0.31	0.0	0.12	2.63	-1.19	-0.74	1.06	-1.66
		-1.66	-0.29	-2.99e-04	0.0	56.7	0.12	2.48	-1.19	-0.74	0.38	-0.20
						113.4	0.12	2.32	-1.19	-0.74	-0.29	1.17
18	49	-0.15	0.18	-7.13e-04	-0.31	0.0	-0.01	3.54	0.74	-0.84	-0.66	-3.99
		-3.99	-0.66	-8.88e-05	0.0	56.7	-0.01	3.39	0.74	-0.84	-0.24	-2.02
						113.4	-0.01	3.23	0.74	-0.84	0.18	-0.15
18	52	-0.42	0.66	-6.57e-04	-0.31	0.0	-0.04	3.73	-0.74	0.84	0.66	-4.48
		-4.48	-0.18	8.88e-05	0.0	56.7	-0.04	3.58	-0.74	0.84	0.24	-2.41
						113.4	-0.04	3.43	-0.74	0.84	-0.18	-0.42
18	61	0.18	0.07	-7.78e-04	-0.31	0.0	0.02	3.32	-0.07	-0.31	0.07	-3.42
		-3.42	-0.02	-8.66e-05	0.0	56.7	0.02	3.16	-0.07	-0.31	0.02	-1.57
						113.4	0.02	3.01	-0.07	-0.31	-0.02	0.18
18	64	-0.75	0.02	-5.92e-04	-0.31	0.0	-0.07	3.96	0.07	0.31	-0.07	-5.06
		-5.06	-0.07	8.66e-05	0.0	56.7	-0.07	3.80	0.07	0.31	-0.02	-2.86
						113.4	-0.07	3.65	0.07	0.31	0.02	-0.75
18	74	-0.75	0.14	-5.92e-04	-0.31	0.0	-0.07	3.96	-0.16	0.18	0.14	-5.06
		-5.06	-0.04	-5.30e-06	0.0	56.7	-0.07	3.80	-0.16	0.18	0.05	-2.86
						113.4	-0.07	3.65	-0.16	0.18	-0.04	-0.75
18	75	0.18	0.04	-7.78e-04	-0.31	0.0	0.02	3.32	0.16	-0.18	-0.14	-3.42
		-3.42	-0.14	5.30e-06	0.0	56.7	0.02	3.16	0.16	-0.18	-0.05	-1.57
						113.4	0.02	3.01	0.16	-0.18	0.04	0.18
18	78	-1.21	0.0	-2.76e-03	-0.31	0.0	-0.12	14.64	0.0	0.0	0.0	-17.64
		-17.64	0.0	0.0	0.0	56.7	-0.12	14.49	0.0	0.0	0.0	-9.38
						113.4	-0.12	14.33	0.0	0.0	0.0	-1.21
18	81	12.74	0.0	2.41e-03	-0.31	0.0	0.04	-10.74	0.0	0.0	0.0	12.74
		0.38	0.0	0.0	0.0	56.7	0.04	-10.89	0.0	0.0	0.0	6.60
						113.4	0.04	-11.05	0.0	0.0	0.0	0.38
18	84	-0.47	0.0	-1.10e-03	-0.31	0.0	-0.04	5.84	0.0	0.0	0.0	-6.92
		-6.92	0.0	0.0	0.0	56.7	-0.04	5.69	0.0	0.0	0.0	-3.65
						113.4	-0.04	5.53	0.0	0.0	0.0	-0.47
18	85	-0.15	0.0	-6.53e-05	-0.31	0.0	-0.01	0.76	0.0	0.0	0.0	-0.84
		-0.84	0.0	0.0	0.0	56.7	-0.01	0.61	0.0	0.0	0.0	-0.45
						113.4	-0.01	0.45	0.0	0.0	0.0	-0.15
18	87	-0.29	0.0	-6.85e-04	-0.31	0.0	-0.03	3.64	0.0	0.0	0.0	-4.24
		-4.24	0.0	0.0	0.0	56.7	-0.03	3.48	0.0	0.0	0.0	-2.22
						113.4	-0.03	3.33	0.0	0.0	0.0	-0.29
19	3	6.22	4.60e-05	0.03	4.75	0.0	0.01	-4.75	-1.76e-05	0.0	4.60e-05	6.22
		0.0	0.0	0.0	0.0	130.8	0.01	-2.38	-1.76e-05	0.0	2.30e-05	1.55
						261.5	0.01	0.0	-1.76e-05	0.0	0.0	0.0
19	10	0.0	0.0	-0.03	-4.48	0.0	-5.34e-03	4.48	8.43e-06	0.0	-2.20e-05	-5.86
		-5.86	-2.20e-05	0.0	0.0	130.8	-5.34e-03	2.24	8.43e-06	0.0	-1.10e-05	-1.46
						261.5	-5.34e-03	0.0	8.43e-06	0.0	0.0	0.0
19	12	7.19	5.01e-05	0.04	5.50	0.0	0.01	-5.50	-1.92e-05	0.0	5.01e-05	7.19
		0.0	0.0	0.0	0.0	130.8	0.01	-2.75	-1.92e-05	0.0	2.50e-05	1.80
						261.5	0.01	0.0	-1.92e-05	0.0	0.0	0.0
19	13	0.44	8.38e-03	0.04	0.66	0.0	-0.01	-0.50	-3.21e-03	0.0	8.38e-03	0.44
		-0.05	0.0	1.09e-03	0.0	130.8	-0.01	-0.17	-3.21e-03	0.0	4.19e-03	6.30e-03
						261.5	-0.01	0.16	-3.21e-03	0.0	0.0	0.0
19	14	0.51	0.01	0.03	0.66	0.0	-0.02	-0.52	-5.01e-03	0.0	0.01	0.51
		-0.04	0.0	8.31e-04	0.0	130.8	-0.02	-0.19	-5.01e-03	0.0	6.55e-03	0.04
						261.5	-0.02	0.13	-5.01e-03	0.0	0.0	0.0
19	15	1.21	0.0	-0.03	0.66	0.0	0.02	-0.79	5.00e-03	0.0	-0.01	1.21
		0.0	-0.01	-8.30e-04	0.0	130.8	0.02	-0.46	5.00e-03	0.0	-6.54e-03	0.39
						261.5	0.02	-0.13	5.00e-03	0.0	0.0	0.0
19	16	1.27	0.0	-0.03	0.66	0.0	0.01	-0.81	3.20e-03	0.0	-8.37e-03	1.27
		0.0	-8.37e-03	-1.09e-03	0.0	130.8	0.01	-0.49	3.20e-03	0.0	-4.19e-03	0.42
						261.5	0.01	-0.16	3.20e-03	0.0	0.0	0.0
19	46	0.69	5.76e-03	0.02	0.66	0.0	-7.59e-03	-0.58	-2.20e-03	0.0	5.76e-03	0.69
		-7.65e-03	0.0	4.29e-04	0.0	130.8	-7.59e-03	-0.26	-2.20e-03	0.0	2.88e-03	0.13
						261.5	-7.59e-03	0.07	-2.20e-03	0.0	0.0	0.0
19	47	1.03	0.0	-8.20e-03	0.66	0.0	0.01	-0.73	2.20e-03	0.0	-5.75e-03	1.03
		0.0	-5.75e-03	-4.29e-04	0.0	130.8	0.01	-0.40	2.20e-03	0.0	-2.87e-03	0.30
						261.5	0.01	-0.07	2.20e-03	0.0	0.0	0.0
19	49	0.69	5.77e-03	0.02	0.66	0.0	-5.55e-03	-0.58	-2.21e-03	0.0	5.77e-03	0.69
		-7.54e-03	0.0	4.30e-04	0.0	130.8	-5.55e-03	-0.26	-2.21e-03	0.0	2.88e-03	0.13

						261.5	-5.55e-03	0.07	-2.21e-03	0.0	0.0	0.0
19	50	0.67	4.40e-03	0.02	0.66	0.0	-6.86e-03	-0.59	-1.68e-03	0.0	4.40e-03	0.67
		-0.01	0.0	5.09e-04	0.0	130.8	-6.86e-03	-0.26	-1.68e-03	0.0	2.20e-03	0.12
						261.5	-6.86e-03	0.06	-1.68e-03	0.0	0.0	0.0
19	51	1.04	0.0	-8.71e-03	0.66	0.0	0.01	-0.72	1.68e-03	0.0	-4.39e-03	1.04
		0.0	-4.39e-03	-5.09e-04	0.0	130.8	0.01	-0.39	1.68e-03	0.0	-2.19e-03	0.31
						261.5	0.01	-0.06	1.68e-03	0.0	0.0	0.0
19	52	1.02	0.0	-8.25e-03	0.66	0.0	8.86e-03	-0.73	2.20e-03	0.0	-5.75e-03	1.02
		0.0	-5.75e-03	-4.30e-04	0.0	130.8	8.86e-03	-0.40	2.20e-03	0.0	-2.88e-03	0.30
						261.5	8.86e-03	-0.07	2.20e-03	0.0	0.0	0.0
19	78	4.19	3.11e-05	0.02	3.21	0.0	7.52e-03	-3.21	-1.19e-05	0.0	3.11e-05	4.19
		0.0	0.0	0.0	0.0	130.8	7.52e-03	-1.60	-1.19e-05	0.0	1.55e-05	1.05
						261.5	7.52e-03	0.0	-1.19e-05	0.0	0.0	0.0
19	81	0.0	0.0	-0.02	-2.72	0.0	-2.89e-03	2.72	4.56e-06	0.0	-1.19e-05	-3.55
		-3.55	-1.19e-05	0.0	0.0	130.8	-2.89e-03	1.36	4.56e-06	0.0	-5.97e-06	-0.89
						261.5	-2.89e-03	0.0	4.56e-06	0.0	0.0	0.0
19	84	1.52	1.17e-05	8.18e-03	1.17	0.0	2.83e-03	-1.17	-4.46e-06	0.0	1.17e-05	1.52
		0.0	0.0	0.0	0.0	130.8	2.83e-03	-0.58	-4.46e-06	0.0	5.84e-06	0.38
						261.5	2.83e-03	0.0	-4.46e-06	0.0	0.0	0.0
19	85	0.0	3.07e-06	-1.34e-04	-0.02	0.0	7.45e-04	0.02	-1.18e-06	0.0	3.07e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	7.45e-04	9.57e-03	-1.18e-06	0.0	1.54e-06	-6.26e-03
						261.5	7.45e-04	0.0	-1.18e-06	0.0	0.0	0.0
19	87	0.86	6.83e-06	4.60e-03	0.66	0.0	1.65e-03	-0.66	-2.61e-06	0.0	6.83e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.65e-03	-0.33	-2.61e-06	0.0	3.41e-06	0.21
						261.5	1.65e-03	0.0	-2.61e-06	0.0	0.0	0.0
20	3	6.22	4.59e-05	-0.03	4.75	0.0	0.01	0.0	1.76e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.38	1.76e-05	0.0	2.30e-05	1.55
						261.5	0.01	4.75	1.76e-05	0.0	4.59e-05	6.22
20	10	0.0	0.0	0.03	-4.48	0.0	-5.34e-03	0.0	-8.43e-06	0.0	0.0	0.0
		-5.86	-2.20e-05	0.0	0.0	130.8	-5.34e-03	-2.24	-8.43e-06	0.0	-1.10e-05	-1.46
						261.5	-5.34e-03	-4.48	-8.43e-06	0.0	-2.20e-05	-5.86
20	12	7.19	5.01e-05	-0.04	5.50	0.0	0.01	0.0	1.92e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.75	1.92e-05	0.0	2.50e-05	1.80
						261.5	0.01	5.50	1.92e-05	0.0	5.01e-05	7.19
20	14	1.28	0.0	0.03	0.66	0.0	0.02	-0.13	-5.01e-03	0.0	0.0	0.0
		0.0	-0.01	8.35e-04	0.0	130.8	0.02	0.19	-5.01e-03	0.0	-6.55e-03	0.42
						261.5	0.02	0.52	-5.01e-03	0.0	-0.01	1.28
20	15	0.44	0.01	-0.03	0.66	0.0	-0.01	0.13	5.01e-03	0.0	0.0	0.0
		-0.05	0.0	-8.35e-04	0.0	130.8	-0.01	0.46	5.01e-03	0.0	6.56e-03	4.81e-03
						261.5	-0.01	0.79	5.01e-03	0.0	0.01	0.44
20	17	1.22	0.0	0.03	0.66	0.0	0.02	-0.15	-4.64e-03	0.0	0.0	0.0
		0.0	-0.01	8.75e-04	0.0	130.8	0.02	0.17	-4.64e-03	0.0	-6.07e-03	0.40
						261.5	0.02	0.50	-4.64e-03	0.0	-0.01	1.22
20	20	0.49	0.01	-0.03	0.66	0.0	-0.02	0.15	4.64e-03	0.0	0.0	0.0
		-0.04	0.0	-8.75e-04	0.0	130.8	-0.02	0.48	4.64e-03	0.0	6.07e-03	0.03
						261.5	-0.02	0.81	4.64e-03	0.0	0.01	0.49
20	46	1.04	0.0	8.25e-03	0.66	0.0	8.84e-03	-0.07	-2.20e-03	0.0	0.0	0.0
		0.0	-5.75e-03	4.30e-04	0.0	130.8	8.84e-03	0.26	-2.20e-03	0.0	-2.88e-03	0.31
						261.5	8.84e-03	0.58	-2.20e-03	0.0	-5.75e-03	1.04
20	47	0.67	5.77e-03	-0.02	0.66	0.0	-5.53e-03	0.07	2.21e-03	0.0	0.0	0.0
		-0.01	0.0	-4.30e-04	0.0	130.8	-5.53e-03	0.40	2.21e-03	0.0	2.88e-03	0.12
						261.5	-5.53e-03	0.73	2.21e-03	0.0	5.77e-03	0.67
20	49	1.03	0.0	8.20e-03	0.66	0.0	0.01	-0.07	-2.20e-03	0.0	0.0	0.0
		0.0	-5.75e-03	4.29e-04	0.0	130.8	0.01	0.26	-2.20e-03	0.0	-2.87e-03	0.30
						261.5	0.01	0.58	-2.20e-03	0.0	-5.75e-03	1.03
20	52	0.69	5.76e-03	-0.02	0.66	0.0	-7.57e-03	0.07	2.20e-03	0.0	0.0	0.0
		-7.65e-03	0.0	-4.29e-04	0.0	130.8	-7.57e-03	0.40	2.20e-03	0.0	2.88e-03	0.13
						261.5	-7.57e-03	0.73	2.20e-03	0.0	5.76e-03	0.69
20	78	4.19	3.10e-05	-0.02	3.21	0.0	7.52e-03	0.0	1.19e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	7.52e-03	1.60	1.19e-05	0.0	1.55e-05	1.05
						261.5	7.52e-03	3.21	1.19e-05	0.0	3.10e-05	4.19
20	81	0.0	0.0	0.02	-2.72	0.0	-2.89e-03	0.0	-4.56e-06	0.0	0.0	0.0
		-3.55	-1.19e-05	0.0	0.0	130.8	-2.89e-03	-1.36	-4.56e-06	0.0	-5.96e-06	-0.89
						261.5	-2.89e-03	-2.72	-4.56e-06	0.0	-1.19e-05	-3.55
20	84	1.52	1.17e-05	-8.18e-03	1.17	0.0	2.83e-03	0.0	4.46e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.83e-03	0.58	4.46e-06	0.0	5.83e-06	0.38
						261.5	2.83e-03	1.17	4.46e-06	0.0	1.17e-05	1.52
20	85	0.0	3.07e-06	1.34e-04	-0.02	0.0	7.45e-04	0.0	1.18e-06	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	7.45e-04	-9.57e-03	1.18e-06	0.0	1.54e-06	-6.26e-03
						261.5	7.45e-04	-0.02	1.18e-06	0.0	3.07e-06	-0.03
20	87	0.86	6.82e-06	-4.60e-03	0.66	0.0	1.65e-03	0.0	2.61e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.65e-03	0.33	2.61e-06	0.0	3.41e-06	0.21
						261.5	1.65e-03	0.66	2.61e-06	0.0	6.82e-06	0.86
21	3	14.47	0.0	0.01	-0.40	0.0	-0.17	-15.32	0.0	0.0	0.0	14.47
		-3.13	0.0	0.0	0.0	56.7	-0.17	-15.52	0.0	0.0	0.0	5.72
						113.4	-0.17	-15.72	0.0	0.0	0.0	-3.13
21	10	6.75	0.0	-9.53e-03	-0.31	0.0	0.08	14.68	0.0	0.0	0.0	-9.72

		-9.72	0.0	0.0	0.0	56.7	0.08	14.52	0.0	0.0	0.0	-1.44
						113.4	0.08	14.37	0.0	0.0	0.0	6.75
21	12	16.19	0.0	0.01	-0.40	0.0	-0.18	-17.80	0.0	0.0	0.0	16.19
		-4.22	0.0	0.0	0.0	56.7	-0.18	-18.00	0.0	0.0	0.0	6.04
						113.4	-0.18	-18.20	0.0	0.0	0.0	-4.22
21	21	1.23	-1.18e-03	1.64e-03	-0.31	0.0	-0.06	-2.80	7.83e-03	1.55	-6.95e-03	1.23
		-2.10	-6.95e-03	-1.23e-04	0.0	56.7	-0.06	-2.95	7.83e-03	1.55	-4.06e-03	-0.39
						113.4	-0.06	-3.10	7.83e-03	1.55	-1.18e-03	-2.10
21	24	3.22	6.95e-03	2.41e-03	-0.31	0.0	9.56e-03	-2.04	-7.83e-03	-1.55	6.95e-03	3.22
		0.72	1.18e-03	1.23e-04	0.0	56.7	9.56e-03	-2.20	-7.83e-03	-1.55	4.06e-03	2.01
						113.4	9.56e-03	-2.35	-7.83e-03	-1.55	1.18e-03	0.72
21	34	5.55	2.44e-03	3.32e-03	-0.31	0.0	0.09	-1.17	-3.03e-03	0.87	2.44e-03	5.55
		4.01	-1.92e-03	1.63e-04	0.0	56.7	0.09	-1.32	-3.03e-03	0.87	2.56e-04	4.82
						113.4	0.09	-1.48	-3.03e-03	0.87	-1.92e-03	4.01
21	35	-1.09	1.92e-03	7.46e-04	-0.31	0.0	-0.14	-3.67	3.03e-03	-0.87	-2.44e-03	-1.09
		-5.39	-2.44e-03	-1.63e-04	0.0	56.7	-0.14	-3.83	3.03e-03	-0.87	-2.56e-04	-3.20
						113.4	-0.14	-3.98	3.03e-03	-0.87	1.92e-03	-5.39
21	58	2.54	-6.72e-04	2.15e-03	-0.31	0.0	-0.01	-2.30	3.46e-03	0.73	-3.06e-03	2.54
		-0.25	-3.06e-03	-4.37e-05	0.0	56.7	-0.01	-2.46	3.46e-03	0.73	-1.86e-03	1.19
						113.4	-0.01	-2.61	3.46e-03	0.73	-6.72e-04	-0.25
21	59	1.91	3.06e-03	1.90e-03	-0.31	0.0	-0.04	-2.54	-3.46e-03	-0.73	3.06e-03	1.91
		-1.14	6.72e-04	4.37e-05	0.0	56.7	-0.04	-2.69	-3.46e-03	-0.73	1.86e-03	0.43
						113.4	-0.04	-2.85	-3.46e-03	-0.73	6.72e-04	-1.14
21	66	3.27	3.87e-04	2.43e-03	-0.31	0.0	0.01	-2.03	-5.14e-04	0.33	3.87e-04	3.27
		0.79	-6.57e-04	3.86e-05	0.0	56.7	0.01	-2.18	-5.14e-04	0.33	-1.35e-04	2.08
						113.4	0.01	-2.33	-5.14e-04	0.33	-6.57e-04	0.79
21	67	1.18	6.57e-04	1.62e-03	-0.31	0.0	-0.06	-2.81	5.14e-04	-0.33	-3.87e-04	1.18
		-2.17	-3.87e-04	-3.86e-05	0.0	56.7	-0.06	-2.97	5.14e-04	-0.33	1.35e-04	-0.45
						113.4	-0.06	-3.12	5.14e-04	-0.33	6.57e-04	-2.17
21	74	3.27	1.78e-04	2.43e-03	-0.31	0.0	0.01	-2.03	2.33e-03	0.12	-2.01e-03	3.27
		0.79	-2.01e-03	-5.62e-05	0.0	56.7	0.01	-2.18	2.33e-03	0.12	-9.13e-04	2.08
						113.4	0.01	-2.33	2.33e-03	0.12	1.78e-04	0.79
21	75	1.18	2.01e-03	1.62e-03	-0.31	0.0	-0.06	-2.81	-2.33e-03	-0.12	2.01e-03	1.18
		-2.17	-1.78e-04	5.62e-05	0.0	56.7	-0.06	-2.97	-2.33e-03	-0.12	9.13e-04	-0.45
						113.4	-0.06	-3.12	-2.33e-03	-0.12	-1.78e-04	-2.17
21	78	9.79	0.0	8.65e-03	-0.31	0.0	-0.11	-10.38	0.0	0.0	0.0	9.79
		-2.15	0.0	0.0	0.0	56.7	-0.11	-10.53	0.0	0.0	0.0	3.86
						113.4	-0.11	-10.68	0.0	0.0	0.0	-2.15
21	81	4.24	0.0	-5.55e-03	-0.31	0.0	0.04	8.82	0.0	0.0	0.0	-5.59
		-5.59	0.0	0.0	0.0	56.7	0.04	8.66	0.0	0.0	0.0	-0.63
						113.4	0.04	8.51	0.0	0.0	0.0	4.24
21	84	3.74	0.0	3.35e-03	-0.31	0.0	-0.04	-4.01	0.0	0.0	0.0	3.74
		-0.98	0.0	0.0	0.0	56.7	-0.04	-4.17	0.0	0.0	0.0	1.42
						113.4	-0.04	-4.32	0.0	0.0	0.0	-0.98
21	85	0.67	0.0	5.11e-04	-0.31	0.0	-0.01	-0.17	0.0	0.0	0.0	0.67
		0.30	0.0	0.0	0.0	56.7	-0.01	-0.33	0.0	0.0	0.0	0.52
						113.4	-0.01	-0.48	0.0	0.0	0.0	0.30
21	87	2.23	0.0	2.03e-03	-0.31	0.0	-0.02	-2.42	0.0	0.0	0.0	2.23
		-0.69	0.0	0.0	0.0	56.7	-0.02	-2.57	0.0	0.0	0.0	0.81
						113.4	-0.02	-2.73	0.0	0.0	0.0	-0.69
22	3	0.0	0.0	6.86e-03	-0.40	0.0	0.03	5.47	0.0	0.0	0.0	-5.97
		-5.97	0.0	0.0	0.0	56.7	0.03	5.27	0.0	0.0	0.0	-2.93
						113.4	0.03	5.07	0.0	0.0	0.0	0.0
22	10	10.37	0.0	-2.58e-04	-0.31	0.0	-0.01	-8.99	0.0	0.0	0.0	10.37
		0.0	0.0	0.0	0.0	56.7	-0.01	-9.15	0.0	0.0	0.0	5.23
						113.4	-0.01	-9.30	0.0	0.0	0.0	0.0
22	12	0.0	0.0	6.93e-03	-0.40	0.0	0.03	6.96	0.0	0.0	0.0	-7.66
		-7.66	0.0	0.0	0.0	56.7	0.03	6.76	0.0	0.0	0.0	-3.78
						113.4	0.03	6.56	0.0	0.0	0.0	0.0
22	22	0.0	2.67e-05	2.11e-03	-0.31	0.0	-9.70e-03	1.11	1.14e-03	-0.67	-1.27e-03	-1.09
		-1.09	-1.27e-03	2.86e-05	0.0	56.7	-9.70e-03	0.96	1.14e-03	-0.67	-6.22e-04	-0.50
						113.4	-9.70e-03	0.80	1.14e-03	-0.67	2.67e-05	0.0
22	23	0.0	1.27e-03	-3.39e-04	-0.31	0.0	0.02	1.30	-1.14e-03	0.67	1.27e-03	-1.29
		-1.29	-2.67e-05	-2.86e-05	0.0	56.7	0.02	1.14	-1.14e-03	0.67	6.22e-04	-0.60
						113.4	0.02	0.99	-1.14e-03	0.67	-2.67e-05	0.0
22	33	0.0	1.03e-06	-3.20e-03	-0.31	0.0	0.05	1.51	9.75e-05	-0.07	-1.09e-04	-1.54
		-1.54	-1.09e-04	-2.51e-04	0.0	56.7	0.05	1.36	9.75e-05	-0.07	-5.42e-05	-0.73
						113.4	0.05	1.20	9.75e-05	-0.07	1.03e-06	0.0
22	34	0.0	1.38e-05	4.98e-03	-0.31	0.0	-0.04	0.90	5.48e-04	-0.31	-6.08e-04	-0.84
		-0.84	-6.08e-04	2.25e-04	0.0	56.7	-0.04	0.74	5.48e-04	-0.31	-2.97e-04	-0.38
						113.4	-0.04	0.59	5.48e-04	-0.31	1.38e-05	0.0
22	35	0.0	6.08e-04	-3.20e-03	-0.31	0.0	0.05	1.51	-5.48e-04	0.31	6.08e-04	-1.54
		-1.54	-1.38e-05	-2.25e-04	0.0	56.7	0.05	1.36	-5.48e-04	0.31	2.97e-04	-0.73
						113.4	0.05	1.20	-5.48e-04	0.31	-1.38e-05	0.0
22	36	0.0	1.09e-04	4.97e-03	-0.31	0.0	-0.04	0.90	-9.75e-05	0.07	1.09e-04	-0.84
		-0.84	-1.03e-06	2.51e-04	0.0	56.7	-0.04	0.74	-9.75e-05	0.07	5.42e-05	-0.38
						113.4	-0.04	0.59	-9.75e-05	0.07	-1.03e-06	0.0

22	57	0.0	1.22e-05	5.05e-04	-0.31	0.0	8.19e-03	1.18	5.29e-04	-0.32	-5.88e-04	-1.22
		-1.22	-5.88e-04	3.91e-06	0.0	56.7	8.19e-03	1.03	5.29e-04	-0.32	-2.88e-04	-0.57
						113.4	8.19e-03	0.87	5.29e-04	-0.32	1.22e-05	0.0
22	60	0.0	5.88e-04	1.27e-03	-0.31	0.0	-1.07e-04	1.23	-5.29e-04	0.32	5.88e-04	-1.16
		-1.16	-1.22e-05	-3.91e-06	0.0	56.7	-1.07e-04	1.07	-5.29e-04	0.32	2.88e-04	-0.54
						113.4	-1.07e-04	0.92	-5.29e-04	0.32	-1.22e-05	0.0
22	66	0.0	5.47e-06	2.16e-03	-0.31	0.0	-9.79e-03	1.29	2.21e-04	-0.12	-2.45e-04	-1.10
		-1.10	-2.45e-04	5.96e-05	0.0	56.7	-9.79e-03	1.13	2.21e-04	-0.12	-1.20e-04	-0.51
						113.4	-9.79e-03	0.98	2.21e-04	-0.12	5.47e-06	0.0
22	67	0.0	2.45e-04	-3.89e-04	-0.31	0.0	0.02	1.12	-2.21e-04	0.12	2.45e-04	-1.28
		-1.28	-5.47e-06	-5.96e-05	0.0	56.7	0.02	0.97	-2.21e-04	0.12	1.20e-04	-0.60
						113.4	0.02	0.81	-2.21e-04	0.12	-5.47e-06	0.0
22	68	0.0	9.41e-05	2.16e-03	-0.31	0.0	-9.79e-03	1.29	-8.43e-05	0.07	9.41e-05	-1.10
		-1.10	-1.50e-06	6.88e-05	0.0	56.7	-9.79e-03	1.13	-8.43e-05	0.07	4.63e-05	-0.51
						113.4	-9.79e-03	0.98	-8.43e-05	0.07	-1.50e-06	0.0
22	73	0.0	5.47e-06	-3.89e-04	-0.31	0.0	0.02	1.12	2.21e-04	-0.12	-2.45e-04	-1.28
		-1.28	-2.45e-04	5.96e-05	0.0	56.7	0.02	0.97	2.21e-04	-0.12	-1.20e-04	-0.60
						113.4	0.02	0.81	2.21e-04	-0.12	5.47e-06	0.0
22	78	0.0	0.0	4.61e-03	-0.31	0.0	0.02	3.76	0.0	0.0	0.0	-4.08
		-4.08	0.0	0.0	0.0	56.7	0.02	3.60	0.0	0.0	0.0	-2.00
						113.4	0.02	3.45	0.0	0.0	0.0	0.0
22	81	6.46	0.0	5.31e-04	-0.31	0.0	-7.07e-03	-5.54	0.0	0.0	0.0	6.46
		0.0	0.0	0.0	0.0	56.7	-7.07e-03	-5.70	0.0	0.0	0.0	3.27
						113.4	-7.07e-03	-5.85	0.0	0.0	0.0	0.0
22	84	0.0	0.0	1.63e-03	-0.31	0.0	6.91e-03	1.72	0.0	0.0	0.0	-1.77
		-1.77	0.0	0.0	0.0	56.7	6.91e-03	1.56	0.0	0.0	0.0	-0.84
						113.4	6.91e-03	1.41	0.0	0.0	0.0	0.0
22	85	0.34	0.0	8.16e-04	-0.31	0.0	1.82e-03	-0.14	0.0	0.0	0.0	0.34
		0.0	0.0	0.0	0.0	56.7	1.82e-03	-0.30	0.0	0.0	0.0	0.21
						113.4	1.82e-03	-0.45	0.0	0.0	0.0	0.0
22	87	0.0	0.0	8.88e-04	-0.31	0.0	4.04e-03	1.20	0.0	0.0	0.0	-1.19
		-1.19	0.0	0.0	0.0	56.7	4.04e-03	1.05	0.0	0.0	0.0	-0.55
						113.4	4.04e-03	0.90	0.0	0.0	0.0	0.0
23	3	6.22	1.76e-05	0.03	4.75	0.0	0.02	-4.75	-6.72e-06	0.0	1.76e-05	6.22
		0.0	0.0	0.0	0.0	130.8	0.02	-2.38	-6.72e-06	0.0	8.78e-06	1.55
						261.5	0.02	0.0	-6.72e-06	0.0	0.0	0.0
23	10	0.0	0.0	-0.03	-4.48	0.0	-7.24e-03	4.48	3.22e-06	0.0	-8.42e-06	-5.86
		-5.86	-8.42e-06	0.0	0.0	130.8	-7.24e-03	2.24	3.22e-06	0.0	-4.21e-06	-1.46
						261.5	-7.24e-03	0.0	3.22e-06	0.0	0.0	0.0
23	12	7.19	1.91e-05	0.04	5.50	0.0	0.02	-5.50	-7.32e-06	0.0	1.91e-05	7.19
		0.0	0.0	0.0	0.0	130.8	0.02	-2.75	-7.32e-06	0.0	9.57e-06	1.80
						261.5	0.02	0.0	-7.32e-06	0.0	0.0	0.0
23	14	0.36	0.0	0.04	0.66	0.0	-4.89e-04	-0.82	1.29e-03	0.0	-3.38e-03	0.36
		-0.07	-3.38e-03	8.31e-04	0.0	130.8	-4.89e-04	-0.49	1.29e-03	0.0	-1.69e-03	-0.04
						261.5	-4.89e-04	-0.16	1.29e-03	0.0	0.0	0.0
23	15	1.36	3.39e-03	-0.03	0.66	0.0	4.97e-03	-0.49	-1.29e-03	0.0	3.39e-03	1.36
		0.0	0.0	-8.31e-04	0.0	130.8	4.97e-03	-0.17	-1.29e-03	0.0	1.69e-03	0.46
						261.5	4.97e-03	0.16	-1.29e-03	0.0	0.0	0.0
23	38	0.82	3.79e-04	0.01	0.66	0.0	-1.86e-03	-0.75	-1.45e-04	0.0	3.79e-04	0.82
		0.0	0.0	5.62e-04	0.0	130.8	-1.86e-03	-0.42	-1.45e-04	0.0	1.90e-04	0.19
						261.5	-1.86e-03	-0.09	-1.45e-04	0.0	0.0	0.0
23	39	0.90	0.0	-3.34e-03	0.66	0.0	6.34e-03	-0.56	1.43e-04	0.0	-3.74e-04	0.90
		0.0	-3.74e-04	-5.62e-04	0.0	130.8	6.34e-03	-0.24	1.43e-04	0.0	-1.87e-04	0.23
						261.5	6.34e-03	0.09	1.43e-04	0.0	0.0	0.0
23	46	0.65	0.0	0.02	0.66	0.0	1.04e-03	-0.74	5.68e-04	0.0	-1.48e-03	0.65
		-0.01	-1.48e-03	4.29e-04	0.0	130.8	1.04e-03	-0.41	5.68e-04	0.0	-7.42e-04	0.11
						261.5	1.04e-03	-0.09	5.68e-04	0.0	0.0	0.0
23	47	1.06	1.49e-03	-9.17e-03	0.66	0.0	3.44e-03	-0.57	-5.70e-04	0.0	1.49e-03	1.06
		0.0	0.0	-4.29e-04	0.0	130.8	3.44e-03	-0.24	-5.70e-04	0.0	7.45e-04	0.32
						261.5	3.44e-03	0.09	-5.70e-04	0.0	0.0	0.0
23	49	0.63	0.0	0.02	0.66	0.0	1.87e-03	-0.73	5.67e-04	0.0	-1.48e-03	0.63
		-0.02	-1.48e-03	4.30e-04	0.0	130.8	1.87e-03	-0.40	5.67e-04	0.0	-7.42e-04	0.10
						261.5	1.87e-03	-0.08	5.67e-04	0.0	0.0	0.0
23	52	1.08	1.49e-03	-9.51e-03	0.66	0.0	2.62e-03	-0.58	-5.69e-04	0.0	1.49e-03	1.08
		0.0	0.0	-4.30e-04	0.0	130.8	2.62e-03	-0.25	-5.69e-04	0.0	7.44e-04	0.33
						261.5	2.62e-03	0.08	-5.69e-04	0.0	0.0	0.0
23	70	0.84	1.93e-04	7.91e-03	0.66	0.0	2.47e-04	-0.70	-7.40e-05	0.0	1.93e-04	0.84
		0.0	0.0	2.74e-04	0.0	130.8	2.47e-04	-0.37	-7.40e-05	0.0	9.67e-05	0.21
						261.5	2.47e-04	-0.04	-7.40e-05	0.0	0.0	0.0
23	71	0.87	0.0	1.29e-03	0.66	0.0	4.24e-03	-0.61	7.20e-05	0.0	-1.88e-04	0.87
		0.0	-1.88e-04	-2.73e-04	0.0	130.8	4.24e-03	-0.28	7.20e-05	0.0	-9.41e-05	0.22
						261.5	4.24e-03	0.04	7.20e-05	0.0	0.0	0.0
23	78	4.19	1.19e-05	0.02	3.21	0.0	0.01	-3.21	-4.54e-06	0.0	1.19e-05	4.19
		0.0	0.0	0.0	0.0	130.8	0.01	-1.60	-4.54e-06	0.0	5.93e-06	1.05
						261.5	0.01	0.0	-4.54e-06	0.0	0.0	0.0
23	81	0.0	0.0	-0.02	-2.72	0.0	-3.92e-03	2.72	1.74e-06	0.0	-4.56e-06	-3.55
		-3.55	-4.56e-06	0.0	0.0	130.8	-3.92e-03	1.36	1.74e-06	0.0	-2.28e-06	-0.89

						261.5	-3.92e-03	0.0	1.74e-06	0.0	0.0	0.0
23	84	1.52	4.46e-06	8.18e-03	1.17	0.0	3.83e-03	-1.17	-1.71e-06	0.0	4.46e-06	1.52
		0.0	0.0	0.0	0.0	130.8	3.83e-03	-0.58	-1.71e-06	0.0	2.23e-06	0.38
						261.5	3.83e-03	0.0	-1.71e-06	0.0	0.0	0.0
23	85	0.0	1.17e-06	-1.34e-04	-0.02	0.0	1.01e-03	0.02	0.0	0.0	1.17e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	1.01e-03	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	1.01e-03	0.0	0.0	0.0	0.0	0.0
23	87	0.86	2.61e-06	4.60e-03	0.66	0.0	2.24e-03	-0.66	0.0	0.0	2.61e-06	0.86
		0.0	0.0	0.0	0.0	130.8	2.24e-03	-0.33	0.0	0.0	1.30e-06	0.21
						261.5	2.24e-03	0.0	0.0	0.0	0.0	0.0
24	3	6.22	1.76e-05	-0.03	4.75	0.0	0.02	0.0	6.72e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.02	2.38	6.72e-06	0.0	8.79e-06	1.55
						261.5	0.02	4.75	6.72e-06	0.0	1.76e-05	6.22
24	10	0.0	0.0	0.03	-4.48	0.0	-7.24e-03	0.0	-3.23e-06	0.0	0.0	0.0
		-5.86	-8.44e-06	0.0	0.0	130.8	-7.24e-03	-2.24	-3.23e-06	0.0	-4.22e-06	-1.46
						261.5	-7.24e-03	-4.48	-3.23e-06	0.0	-8.44e-06	-5.86
24	12	7.19	1.92e-05	-0.04	5.50	0.0	0.02	0.0	7.33e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.02	2.75	7.33e-06	0.0	9.59e-06	1.80
						261.5	0.02	5.50	7.33e-06	0.0	1.92e-05	7.19
24	13	1.37	2.17e-03	0.03	0.66	0.0	5.60e-03	0.16	8.29e-04	0.0	0.0	0.0
		0.0	0.0	1.08e-03	0.0	130.8	5.60e-03	0.49	8.29e-04	0.0	1.08e-03	0.47
						261.5	5.60e-03	0.81	8.29e-04	0.0	2.17e-03	1.37
24	14	1.27	3.38e-03	0.03	0.66	0.0	2.36e-03	0.20	1.29e-03	0.0	0.0	0.0
		0.0	0.0	8.35e-04	0.0	130.8	2.36e-03	0.52	1.29e-03	0.0	1.69e-03	0.42
						261.5	2.36e-03	0.85	1.29e-03	0.0	3.38e-03	1.27
24	15	0.44	0.0	-0.04	0.66	0.0	2.13e-03	-0.20	-1.29e-03	0.0	0.0	0.0
		-0.05	-3.38e-03	-8.35e-04	0.0	130.8	2.13e-03	0.13	-1.29e-03	0.0	-1.69e-03	7.97e-03
						261.5	2.13e-03	0.46	-1.29e-03	0.0	-3.38e-03	0.44
24	16	0.34	0.0	-0.04	0.66	0.0	-1.12e-03	-0.16	-8.27e-04	0.0	0.0	0.0
		-0.08	-2.16e-03	-1.08e-03	0.0	130.8	-1.12e-03	0.17	-8.27e-04	0.0	-1.08e-03	-0.04
						261.5	-1.12e-03	0.50	-8.27e-04	0.0	-2.16e-03	0.34
24	29	1.16	0.0	2.42e-03	0.66	0.0	8.18e-03	-0.01	-4.56e-04	0.0	0.0	0.0
		0.0	-1.19e-03	7.01e-04	0.0	130.8	8.18e-03	0.32	-4.56e-04	0.0	-5.96e-04	0.37
						261.5	8.18e-03	0.64	-4.56e-04	0.0	-1.19e-03	1.16
24	32	0.55	1.20e-03	-0.01	0.66	0.0	-3.69e-03	0.01	4.58e-04	0.0	0.0	0.0
		-0.03	0.0	-7.01e-04	0.0	130.8	-3.69e-03	0.34	4.58e-04	0.0	5.98e-04	0.06
						261.5	-3.69e-03	0.67	4.58e-04	0.0	1.20e-03	0.55
24	46	1.08	1.49e-03	9.51e-03	0.66	0.0	2.61e-03	0.09	5.69e-04	0.0	0.0	0.0
		0.0	0.0	4.30e-04	0.0	130.8	2.61e-03	0.41	5.69e-04	0.0	7.44e-04	0.33
						261.5	2.61e-03	0.74	5.69e-04	0.0	1.49e-03	1.08
24	47	0.63	0.0	-0.02	0.66	0.0	1.88e-03	-0.09	-5.67e-04	0.0	0.0	0.0
		-0.02	-1.48e-03	-4.30e-04	0.0	130.8	1.88e-03	0.24	-5.67e-04	0.0	-7.42e-04	0.10
						261.5	1.88e-03	0.57	-5.67e-04	0.0	-1.48e-03	0.63
24	49	1.06	1.49e-03	9.17e-03	0.66	0.0	3.43e-03	0.08	5.70e-04	0.0	0.0	0.0
		0.0	0.0	4.29e-04	0.0	130.8	3.43e-03	0.41	5.70e-04	0.0	7.45e-04	0.32
						261.5	3.43e-03	0.73	5.70e-04	0.0	1.49e-03	1.06
24	52	0.65	0.0	-0.02	0.66	0.0	1.05e-03	-0.08	-5.68e-04	0.0	0.0	0.0
		-0.01	-1.48e-03	-4.29e-04	0.0	130.8	1.05e-03	0.25	-5.68e-04	0.0	-7.42e-04	0.11
						261.5	1.05e-03	0.58	-5.68e-04	0.0	-1.48e-03	0.65
24	61	0.87	0.0	-1.65e-03	0.66	0.0	4.23e-03	5.60e-03	-7.20e-05	0.0	0.0	0.0
		0.0	-1.88e-04	2.73e-04	0.0	130.8	4.23e-03	0.33	-7.20e-05	0.0	-9.41e-05	0.22
						261.5	4.23e-03	0.66	-7.20e-05	0.0	-1.88e-04	0.87
24	64	0.84	1.93e-04	-7.91e-03	0.66	0.0	2.51e-04	-5.60e-03	7.39e-05	0.0	0.0	0.0
		0.0	0.0	-2.74e-04	0.0	130.8	2.51e-04	0.32	7.39e-05	0.0	9.67e-05	0.21
						261.5	2.51e-04	0.65	7.39e-05	0.0	1.93e-04	0.84
24	78	4.19	1.19e-05	-0.02	3.21	0.0	0.01	0.0	4.54e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	1.60	4.54e-06	0.0	5.94e-06	1.05
						261.5	0.01	3.21	4.54e-06	0.0	1.19e-05	4.19
24	81	0.0	0.0	0.02	-2.72	0.0	-3.92e-03	0.0	-1.75e-06	0.0	0.0	0.0
		-3.55	-4.57e-06	0.0	0.0	130.8	-3.92e-03	-1.36	-1.75e-06	0.0	-2.28e-06	-0.89
						261.5	-3.92e-03	-2.72	-1.75e-06	0.0	-4.57e-06	-3.55
24	84	1.52	4.47e-06	-8.18e-03	1.17	0.0	3.83e-03	0.0	1.71e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.83e-03	0.58	1.71e-06	0.0	2.23e-06	0.38
						261.5	3.83e-03	1.17	1.71e-06	0.0	4.47e-06	1.52
24	85	0.0	1.18e-06	1.34e-04	-0.02	0.0	1.01e-03	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	1.01e-03	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	1.01e-03	-0.02	0.0	0.0	1.18e-06	-0.03
24	87	0.86	2.61e-06	-4.60e-03	0.66	0.0	2.24e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.24e-03	0.33	0.0	0.0	1.31e-06	0.21
						261.5	2.24e-03	0.66	0.0	0.0	2.61e-06	0.86
25	3	6.22	2.54e-06	-0.03	4.75	0.0	0.01	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.38	0.0	0.0	1.27e-06	1.55
						261.5	0.01	4.75	0.0	0.0	2.54e-06	6.22
25	10	0.0	0.0	0.03	-4.48	0.0	-6.89e-03	0.0	0.0	0.0	0.0	0.0
		-5.86	-1.22e-06	0.0	0.0	130.8	-6.89e-03	-2.24	0.0	0.0	0.0	-1.46
						261.5	-6.89e-03	-4.48	0.0	0.0	-1.22e-06	-5.86
25	12	7.19	2.77e-06	-0.04	5.50	0.0	0.02	0.0	1.06e-06	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	130.8	0.02	2.75	1.06e-06	0.0	1.38e-06	1.80
						261.5	0.02	5.50	1.06e-06	0.0	2.77e-06	7.19
25	14	1.45	0.0	0.03	0.66	0.0	6.94e-03	0.23	-3.36e-04	0.0	0.0	0.0
		0.0	-8.77e-04	8.35e-04	0.0	130.8	6.94e-03	0.56	-3.36e-04	0.0	-4.39e-04	0.51
						261.5	6.94e-03	0.88	-3.36e-04	0.0	-8.77e-04	1.45
25	15	0.26	8.78e-04	-0.04	0.66	0.0	-2.68e-03	-0.23	3.36e-04	0.0	0.0	0.0
		-0.10	0.0	-8.35e-04	0.0	130.8	-2.68e-03	0.10	3.36e-04	0.0	4.39e-04	-0.08
						261.5	-2.68e-03	0.43	3.36e-04	0.0	8.78e-04	0.26
25	46	1.12	0.0	9.68e-03	0.66	0.0	4.25e-03	0.10	-1.47e-04	0.0	0.0	0.0
		0.0	-3.85e-04	4.30e-04	0.0	130.8	4.25e-03	0.43	-1.47e-04	0.0	-1.93e-04	0.35
						261.5	4.25e-03	0.76	-1.47e-04	0.0	-3.85e-04	1.12
25	47	0.59	3.86e-04	-0.02	0.66	0.0	1.16e-05	-0.10	1.48e-04	0.0	0.0	0.0
		-0.02	0.0	-4.30e-04	0.0	130.8	1.16e-05	0.23	1.48e-04	0.0	1.93e-04	0.08
						261.5	1.16e-05	0.55	1.48e-04	0.0	3.86e-04	0.59
25	78	4.19	1.71e-06	-0.02	3.21	0.0	9.70e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	9.70e-03	1.60	0.0	0.0	0.0	1.05
						261.5	9.70e-03	3.21	0.0	0.0	1.71e-06	4.19
25	81	0.0	0.0	0.02	-2.72	0.0	-3.73e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-3.73e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-3.73e-03	-2.72	0.0	0.0	0.0	-3.55
25	84	1.52	0.0	-8.18e-03	1.17	0.0	3.65e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.65e-03	0.58	0.0	0.0	0.0	0.38
						261.5	3.65e-03	1.17	0.0	0.0	0.0	1.52
25	85	0.0	0.0	1.34e-04	-0.02	0.0	9.60e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	9.60e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.60e-04	-0.02	0.0	0.0	0.0	-0.03
25	87	0.86	0.0	-4.60e-03	0.66	0.0	2.13e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.13e-03	0.33	0.0	0.0	0.0	0.21
						261.5	2.13e-03	0.66	0.0	0.0	0.0	0.86
26	3	6.22	2.63e-06	0.03	4.75	0.0	0.01	-4.75	-1.01e-06	0.0	2.63e-06	6.22
		0.0	0.0	0.0	0.0	130.8	0.01	-2.38	-1.01e-06	0.0	1.32e-06	1.55
						261.5	0.01	0.0	-1.01e-06	0.0	0.0	0.0
26	10	0.0	0.0	-0.03	-4.48	0.0	-6.89e-03	4.48	0.0	0.0	-1.26e-06	-5.86
		-5.86	-1.26e-06	0.0	0.0	130.8	-6.89e-03	2.24	0.0	0.0	0.0	-1.46
						261.5	-6.89e-03	0.0	0.0	0.0	0.0	0.0
26	12	7.19	2.87e-06	0.04	5.50	0.0	0.02	-5.50	-1.10e-06	0.0	2.87e-06	7.19
		0.0	0.0	0.0	0.0	130.8	0.02	-2.75	-1.10e-06	0.0	1.44e-06	1.80
						261.5	0.02	0.0	-1.10e-06	0.0	0.0	0.0
26	13	0.28	5.66e-04	0.04	0.66	0.0	-2.15e-03	-0.84	-2.17e-04	0.0	5.66e-04	0.28
		-0.10	0.0	1.09e-03	0.0	130.8	-2.15e-03	-0.51	-2.17e-04	0.0	2.83e-04	-0.07
						261.5	-2.15e-03	-0.19	-2.17e-04	0.0	0.0	0.0
26	14	0.37	8.77e-04	0.04	0.66	0.0	-1.44e-03	-0.88	-3.35e-04	0.0	8.77e-04	0.37
		-0.07	0.0	8.31e-04	0.0	130.8	-1.44e-03	-0.55	-3.35e-04	0.0	4.38e-04	-0.03
						261.5	-1.44e-03	-0.22	-3.35e-04	0.0	0.0	0.0
26	15	1.35	0.0	-0.03	0.66	0.0	5.70e-03	-0.43	3.35e-04	0.0	-8.76e-04	1.35
		0.0	-8.76e-04	-8.31e-04	0.0	130.8	5.70e-03	-0.11	3.35e-04	0.0	-4.38e-04	0.46
						261.5	5.70e-03	0.22	3.35e-04	0.0	0.0	0.0
26	16	1.43	0.0	-0.03	0.66	0.0	6.42e-03	-0.47	2.16e-04	0.0	-5.66e-04	1.43
		0.0	-5.66e-04	-1.09e-03	0.0	130.8	6.42e-03	-0.14	2.16e-04	0.0	-2.83e-04	0.50
						261.5	6.42e-03	0.19	2.16e-04	0.0	0.0	0.0
26	17	0.29	8.15e-04	0.04	0.66	0.0	-2.19e-03	-0.87	-3.12e-04	0.0	8.15e-04	0.29
		-0.09	0.0	8.77e-04	0.0	130.8	-2.19e-03	-0.55	-3.12e-04	0.0	4.08e-04	-0.07
						261.5	-2.19e-03	-0.22	-3.12e-04	0.0	0.0	0.0
26	20	1.43	0.0	-0.03	0.66	0.0	6.45e-03	-0.44	3.11e-04	0.0	-8.14e-04	1.43
		0.0	-8.14e-04	-8.77e-04	0.0	130.8	6.45e-03	-0.11	3.11e-04	0.0	-4.07e-04	0.50
						261.5	6.45e-03	0.22	3.11e-04	0.0	0.0	0.0
26	49	0.59	3.86e-04	0.02	0.66	0.0	1.25e-04	-0.76	-1.48e-04	0.0	3.86e-04	0.59
		-0.02	0.0	4.30e-04	0.0	130.8	1.25e-04	-0.43	-1.48e-04	0.0	1.93e-04	0.08
						261.5	1.25e-04	-0.10	-1.48e-04	0.0	0.0	0.0
26	52	1.12	0.0	-9.68e-03	0.66	0.0	4.14e-03	-0.55	1.47e-04	0.0	-3.85e-04	1.12
		0.0	-3.85e-04	-4.30e-04	0.0	130.8	4.14e-03	-0.23	1.47e-04	0.0	-1.93e-04	0.35
						261.5	4.14e-03	0.10	1.47e-04	0.0	0.0	0.0
26	78	4.19	1.78e-06	0.02	3.21	0.0	9.70e-03	-3.21	0.0	0.0	1.78e-06	4.19
		0.0	0.0	0.0	0.0	130.8	9.70e-03	-1.60	0.0	0.0	0.0	1.05
						261.5	9.70e-03	0.0	0.0	0.0	0.0	0.0
26	81	0.0	0.0	-0.02	-2.72	0.0	-3.73e-03	2.72	0.0	0.0	0.0	-3.55
		-3.55	0.0	0.0	0.0	130.8	-3.73e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-3.73e-03	0.0	0.0	0.0	0.0	0.0
26	84	1.52	0.0	8.18e-03	1.17	0.0	3.65e-03	-1.17	0.0	0.0	0.0	1.52
		0.0	0.0	0.0	0.0	130.8	3.65e-03	-0.58	0.0	0.0	0.0	0.38
						261.5	3.65e-03	0.0	0.0	0.0	0.0	0.0
26	85	0.0	0.0	-1.34e-04	-0.02	0.0	9.60e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	9.60e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.60e-04	0.0	0.0	0.0	0.0	0.0
26	87	0.86	0.0	4.60e-03	0.66	0.0	2.13e-03	-0.66	0.0	0.0	0.0	0.86
		0.0	0.0	0.0	0.0	130.8	2.13e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	2.13e-03	0.0	0.0	0.0	0.0	0.0

27	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	3.78e-06	0.0	-9.89e-06	6.22
		0.0	-9.89e-06	0.0	0.0	130.8	0.01	-2.38	3.78e-06	0.0	-4.94e-06	1.55
						261.5	0.01	0.0	3.78e-06	0.0	0.0	0.0
27	10	0.0	4.74e-06	-0.03	-4.48	0.0	-6.75e-03	4.48	-1.81e-06	0.0	4.74e-06	-5.86
		-5.86	0.0	0.0	0.0	130.8	-6.75e-03	2.24	-1.81e-06	0.0	2.37e-06	-1.46
						261.5	-6.75e-03	0.0	-1.81e-06	0.0	0.0	0.0
27	12	7.19	0.0	0.04	5.50	0.0	0.02	-5.50	4.12e-06	0.0	-1.08e-05	7.19
		0.0	-1.08e-05	0.0	0.0	130.8	0.02	-2.75	4.12e-06	0.0	-5.39e-06	1.80
						261.5	0.02	0.0	4.12e-06	0.0	0.0	0.0
27	13	1.37	0.0	0.04	0.66	0.0	-9.20e-04	-0.81	5.34e-05	0.0	-1.40e-04	1.37
		0.0	-1.40e-04	1.09e-03	0.0	130.8	-9.20e-04	-0.49	5.34e-05	0.0	-6.99e-05	0.47
						261.5	-9.20e-04	-0.16	5.34e-05	0.0	0.0	0.0
27	14	1.27	0.0	0.04	0.66	0.0	2.12e-03	-0.85	8.55e-05	0.0	-2.24e-04	1.27
		0.0	-2.24e-04	8.31e-04	0.0	130.8	2.12e-03	-0.52	8.55e-05	0.0	-1.12e-04	0.42
						261.5	2.12e-03	-0.19	8.55e-05	0.0	0.0	0.0
27	15	0.44	2.21e-04	-0.03	0.66	0.0	2.06e-03	-0.46	-8.44e-05	0.0	2.21e-04	0.44
		-0.05	0.0	-8.31e-04	0.0	130.8	2.06e-03	-0.13	-8.44e-05	0.0	1.10e-04	6.24e-03
						261.5	2.06e-03	0.19	-8.44e-05	0.0	0.0	0.0
27	16	0.35	1.37e-04	-0.03	0.66	0.0	5.10e-03	-0.50	-5.23e-05	0.0	1.37e-04	0.35
		-0.08	0.0	-1.09e-03	0.0	130.8	5.10e-03	-0.17	-5.23e-05	0.0	6.84e-05	-0.04
						261.5	5.10e-03	0.16	-5.23e-05	0.0	0.0	0.0
27	29	1.15	8.43e-05	0.01	0.66	0.0	-3.42e-03	-0.65	-3.22e-05	0.0	8.43e-05	1.15
		0.0	0.0	7.15e-04	0.0	130.8	-3.42e-03	-0.32	-3.22e-05	0.0	4.21e-05	0.36
						261.5	-3.42e-03	6.58e-03	-3.22e-05	0.0	0.0	0.0
27	32	0.56	0.0	-5.67e-03	0.66	0.0	7.61e-03	-0.66	3.34e-05	0.0	-8.72e-05	0.56
		-0.03	-8.72e-05	-7.15e-04	0.0	130.8	7.61e-03	-0.33	3.34e-05	0.0	-4.36e-05	0.07
						261.5	7.61e-03	-6.58e-03	3.34e-05	0.0	0.0	0.0
27	46	1.06	0.0	0.02	0.66	0.0	1.87e-03	-0.73	3.77e-05	0.0	-9.86e-05	1.06
		0.0	-9.86e-05	4.29e-04	0.0	130.8	1.87e-03	-0.40	3.77e-05	0.0	-4.93e-05	0.31
						261.5	1.87e-03	-0.08	3.77e-05	0.0	0.0	0.0
27	47	0.66	9.56e-05	-8.71e-03	0.66	0.0	2.31e-03	-0.58	-3.66e-05	0.0	9.56e-05	0.66
		-0.01	0.0	-4.29e-04	0.0	130.8	2.31e-03	-0.25	-3.66e-05	0.0	4.78e-05	0.11
						261.5	2.31e-03	0.08	-3.66e-05	0.0	0.0	0.0
27	49	1.09	0.0	0.02	0.66	0.0	7.90e-04	-0.73	3.72e-05	0.0	-9.74e-05	1.09
		0.0	-9.74e-05	4.30e-04	0.0	130.8	7.90e-04	-0.40	3.72e-05	0.0	-4.87e-05	0.33
						261.5	7.90e-04	-0.07	3.72e-05	0.0	0.0	0.0
27	52	0.63	9.44e-05	-9.00e-03	0.66	0.0	3.39e-03	-0.58	-3.61e-05	0.0	9.44e-05	0.63
		-0.02	0.0	-4.30e-04	0.0	130.8	3.39e-03	-0.25	-3.61e-05	0.0	4.72e-05	0.10
						261.5	3.39e-03	0.07	-3.61e-05	0.0	0.0	0.0
27	69	0.98	0.0	9.32e-03	0.66	0.0	-1.23e-04	-0.66	2.43e-05	0.0	-6.35e-05	0.98
		0.0	-6.35e-05	8.31e-06	0.0	130.8	-1.23e-04	-0.33	2.43e-05	0.0	-3.17e-05	0.28
						261.5	-1.23e-04	-1.33e-03	2.43e-05	0.0	0.0	0.0
27	72	0.73	6.06e-05	-6.03e-04	0.66	0.0	4.30e-03	-0.65	-2.32e-05	0.0	6.06e-05	0.73
		-4.41e-03	0.0	-8.34e-06	0.0	130.8	4.30e-03	-0.33	-2.32e-05	0.0	3.03e-05	0.15
						261.5	4.30e-03	1.33e-03	-2.32e-05	0.0	0.0	0.0
27	78	4.19	0.0	0.02	3.21	0.0	9.51e-03	-3.21	2.55e-06	0.0	-6.68e-06	4.19
		0.0	-6.68e-06	0.0	0.0	130.8	9.51e-03	-1.60	2.55e-06	0.0	-3.34e-06	1.05
						261.5	9.51e-03	0.0	2.55e-06	0.0	0.0	0.0
27	81	0.0	2.57e-06	-0.02	-2.72	0.0	-3.65e-03	2.72	0.0	0.0	2.57e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-3.65e-03	1.36	0.0	0.0	1.28e-06	-0.89
						261.5	-3.65e-03	0.0	0.0	0.0	0.0	0.0
27	84	1.52	0.0	8.18e-03	1.17	0.0	3.57e-03	-1.17	0.0	0.0	-2.51e-06	1.52
		0.0	-2.51e-06	0.0	0.0	130.8	3.57e-03	-0.58	0.0	0.0	-1.26e-06	0.38
						261.5	3.57e-03	0.0	0.0	0.0	0.0	0.0
27	85	0.0	0.0	-1.34e-04	-0.02	0.0	9.42e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	9.42e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.42e-04	0.0	0.0	0.0	0.0	0.0
27	87	0.86	0.0	4.60e-03	0.66	0.0	2.09e-03	-0.66	0.0	0.0	-1.47e-06	0.86
		0.0	-1.47e-06	0.0	0.0	130.8	2.09e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	2.09e-03	0.0	0.0	0.0	0.0	0.0
28	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	-3.64e-06	0.0	0.0	0.0
		0.0	-9.52e-06	0.0	0.0	130.8	0.01	2.38	-3.64e-06	0.0	-4.76e-06	1.55
						261.5	0.01	4.75	-3.64e-06	0.0	-9.52e-06	6.22
28	10	0.0	4.57e-06	0.03	-4.48	0.0	-6.75e-03	0.0	1.75e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-6.75e-03	-2.24	1.75e-06	0.0	2.28e-06	-1.46
						261.5	-6.75e-03	-4.48	1.75e-06	0.0	4.57e-06	-5.86
28	12	7.19	0.0	-0.04	5.50	0.0	0.02	0.0	-3.97e-06	0.0	0.0	0.0
		0.0	-1.04e-05	0.0	0.0	130.8	0.02	2.75	-3.97e-06	0.0	-5.19e-06	1.80
						261.5	0.02	5.50	-3.97e-06	0.0	-1.04e-05	7.19
28	13	1.38	1.42e-04	0.03	0.66	0.0	3.39e-03	0.15	5.44e-05	0.0	0.0	0.0
		0.0	0.0	1.08e-03	0.0	130.8	3.39e-03	0.48	5.44e-05	0.0	7.11e-05	0.48
						261.5	3.39e-03	0.81	5.44e-05	0.0	1.42e-04	1.38
28	14	1.26	2.18e-04	0.03	0.66	0.0	7.05e-03	0.20	8.32e-05	0.0	0.0	0.0
		0.0	0.0	8.35e-04	0.0	130.8	7.05e-03	0.53	8.32e-05	0.0	1.09e-04	0.42
						261.5	7.05e-03	0.86	8.32e-05	0.0	2.18e-04	1.26
28	15	0.46	0.0	-0.04	0.66	0.0	-2.87e-03	-0.20	-8.43e-05	0.0	0.0	0.0
		-0.05	-2.20e-04	-8.35e-04	0.0	130.8	-2.87e-03	0.13	-8.43e-05	0.0	-1.10e-04	0.01

						261.5	-2.87e-03	0.46	-8.43e-05	0.0	-2.20e-04	0.46
28	16	0.33	0.0	-0.04	0.66	0.0	7.93e-04	-0.15	-5.54e-05	0.0	0.0	0.0
		-0.08	-1.45e-04	-1.08e-03	0.0	130.8	7.93e-04	0.17	-5.54e-05	0.0	-7.25e-05	-0.05
						261.5	7.93e-04	0.50	-5.54e-05	0.0	-1.45e-04	0.33
28	30	0.79	1.79e-04	6.99e-03	0.66	0.0	9.14e-03	0.13	6.83e-05	0.0	0.0	0.0
		-6.54e-04	0.0	-1.26e-04	0.0	130.8	9.14e-03	0.46	6.83e-05	0.0	8.94e-05	0.18
						261.5	9.14e-03	0.79	6.83e-05	0.0	1.79e-04	0.79
28	31	0.92	0.0	-0.02	0.66	0.0	-4.96e-03	-0.13	-6.94e-05	0.0	0.0	0.0
		0.0	-1.82e-04	1.26e-04	0.0	130.8	-4.96e-03	0.20	-6.94e-05	0.0	-9.08e-05	0.25
						261.5	-4.96e-03	0.52	-6.94e-05	0.0	-1.82e-04	0.92
28	46	1.09	9.49e-05	9.00e-03	0.66	0.0	4.12e-03	0.07	3.63e-05	0.0	0.0	0.0
		0.0	0.0	4.30e-04	0.0	130.8	4.12e-03	0.40	3.63e-05	0.0	4.74e-05	0.33
						261.5	4.12e-03	0.73	3.63e-05	0.0	9.49e-05	1.09
28	47	0.63	0.0	-0.02	0.66	0.0	6.30e-05	-0.07	-3.74e-05	0.0	0.0	0.0
		-0.02	-9.77e-05	-4.30e-04	0.0	130.8	6.30e-05	0.25	-3.74e-05	0.0	-4.88e-05	0.10
						261.5	6.30e-05	0.58	-3.74e-05	0.0	-9.77e-05	0.63
28	49	1.06	9.61e-05	8.71e-03	0.66	0.0	3.04e-03	0.08	3.68e-05	0.0	0.0	0.0
		0.0	0.0	4.29e-04	0.0	130.8	3.04e-03	0.40	3.68e-05	0.0	4.81e-05	0.31
						261.5	3.04e-03	0.73	3.68e-05	0.0	9.61e-05	1.06
28	52	0.66	0.0	-0.02	0.66	0.0	1.14e-03	-0.08	-3.78e-05	0.0	0.0	0.0
		-0.01	-9.89e-05	-4.29e-04	0.0	130.8	1.14e-03	0.25	-3.78e-05	0.0	-4.95e-05	0.11
						261.5	1.14e-03	0.58	-3.78e-05	0.0	-9.89e-05	0.66
28	62	0.98	6.05e-05	-8.22e-04	0.66	0.0	4.46e-03	1.33e-03	2.32e-05	0.0	0.0	0.0
		0.0	0.0	8.34e-06	0.0	130.8	4.46e-03	0.33	2.32e-05	0.0	3.03e-05	0.28
						261.5	4.46e-03	0.66	2.32e-05	0.0	6.05e-05	0.98
28	63	0.73	0.0	-9.32e-03	0.66	0.0	-2.76e-04	-1.33e-03	-2.42e-05	0.0	0.0	0.0
		-4.41e-03	-6.34e-05	-8.31e-06	0.0	130.8	-2.76e-04	0.33	-2.42e-05	0.0	-3.17e-05	0.15
						261.5	-2.76e-04	0.65	-2.42e-05	0.0	-6.34e-05	0.73
28	78	4.19	0.0	-0.02	3.21	0.0	9.51e-03	0.0	-2.46e-06	0.0	0.0	0.0
		0.0	-6.43e-06	0.0	0.0	130.8	9.51e-03	1.60	-2.46e-06	0.0	-3.22e-06	1.05
						261.5	9.51e-03	3.21	-2.46e-06	0.0	-6.43e-06	4.19
28	81	0.0	2.47e-06	0.02	-2.72	0.0	-3.65e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-3.65e-03	-1.36	0.0	0.0	1.24e-06	-0.89
						261.5	-3.65e-03	-2.72	0.0	0.0	2.47e-06	-3.55
28	84	1.52	0.0	-8.18e-03	1.17	0.0	3.57e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-2.42e-06	0.0	0.0	130.8	3.57e-03	0.58	0.0	0.0	-1.21e-06	0.38
						261.5	3.57e-03	1.17	0.0	0.0	-2.42e-06	1.52
28	85	0.0	0.0	1.34e-04	-0.02	0.0	9.41e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	9.41e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.41e-04	-0.02	0.0	0.0	0.0	-0.03
28	87	0.86	0.0	-4.60e-03	0.66	0.0	2.09e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-1.41e-06	0.0	0.0	130.8	2.09e-03	0.33	0.0	0.0	0.0	0.21
						261.5	2.09e-03	0.66	0.0	0.0	-1.41e-06	0.86
29	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	-1.18e-05	0.0	0.0	0.0
		0.0	-3.09e-05	0.0	0.0	130.8	0.01	2.38	-1.18e-05	0.0	-1.55e-05	1.55
						261.5	0.01	4.75	-1.18e-05	0.0	-3.09e-05	6.22
29	10	0.0	1.48e-05	0.03	-4.48	0.0	-5.55e-03	0.0	5.67e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-5.55e-03	-2.24	5.67e-06	0.0	7.41e-06	-1.46
						261.5	-5.55e-03	-4.48	5.67e-06	0.0	1.48e-05	-5.86
29	12	7.19	0.0	-0.04	5.50	0.0	0.01	0.0	-1.29e-05	0.0	0.0	0.0
		0.0	-3.37e-05	0.0	0.0	130.8	0.01	2.75	-1.29e-05	0.0	-1.68e-05	1.80
						261.5	0.01	5.50	-1.29e-05	0.0	-3.37e-05	7.19
29	14	1.25	0.0	0.02	0.66	0.0	6.71e-03	-0.12	-5.62e-05	0.0	0.0	0.0
		0.0	-1.47e-04	8.35e-04	0.0	130.8	6.71e-03	0.20	-5.62e-05	0.0	-7.34e-05	0.41
						261.5	6.71e-03	0.53	-5.62e-05	0.0	-1.47e-04	1.25
29	15	0.46	1.38e-04	-0.03	0.66	0.0	-3.27e-03	0.12	5.26e-05	0.0	0.0	0.0
		-0.05	0.0	-8.35e-04	0.0	130.8	-3.27e-03	0.45	5.26e-05	0.0	6.88e-05	0.02
						261.5	-3.27e-03	0.78	5.26e-05	0.0	1.38e-04	0.46
29	30	1.09	0.0	5.47e-03	0.66	0.0	9.82e-03	5.47e-03	-3.11e-05	0.0	0.0	0.0
		0.0	-8.12e-05	-1.26e-04	0.0	130.8	9.82e-03	0.33	-3.11e-05	0.0	-4.06e-05	0.33
						261.5	9.82e-03	0.66	-3.11e-05	0.0	-8.12e-05	1.09
29	31	0.63	7.21e-05	-0.01	0.66	0.0	-6.38e-03	-5.47e-03	2.76e-05	0.0	0.0	0.0
		-0.02	0.0	1.26e-04	0.0	130.8	-6.38e-03	0.32	2.76e-05	0.0	3.60e-05	0.10
						261.5	-6.38e-03	0.65	2.76e-05	0.0	7.21e-05	0.63
29	46	1.04	0.0	7.70e-03	0.66	0.0	3.71e-03	-0.06	-2.60e-05	0.0	0.0	0.0
		0.0	-6.80e-05	4.30e-04	0.0	130.8	3.71e-03	0.27	-2.60e-05	0.0	-3.40e-05	0.30
						261.5	3.71e-03	0.60	-2.60e-05	0.0	-6.80e-05	1.04
29	47	0.68	5.88e-05	-0.02	0.66	0.0	-2.75e-04	0.06	2.25e-05	0.0	0.0	0.0
		-9.01e-03	0.0	-4.30e-04	0.0	130.8	-2.75e-04	0.39	2.25e-05	0.0	2.94e-05	0.12
						261.5	-2.75e-04	0.72	2.25e-05	0.0	5.88e-05	0.68
29	62	0.94	0.0	-1.15e-03	0.66	0.0	4.42e-03	-5.52e-03	-1.29e-05	0.0	0.0	0.0
		0.0	-3.37e-05	8.43e-06	0.0	130.8	4.42e-03	0.32	-1.29e-05	0.0	-1.68e-05	0.26
						261.5	4.42e-03	0.65	-1.29e-05	0.0	-3.37e-05	0.94
29	63	0.77	2.45e-05	-8.73e-03	0.66	0.0	-9.89e-04	5.52e-03	9.37e-06	0.0	0.0	0.0
		-2.06e-03	0.0	-8.34e-06	0.0	130.8	-9.89e-04	0.33	9.37e-06	0.0	1.23e-05	0.17
						261.5	-9.89e-04	0.66	9.37e-06	0.0	2.45e-05	0.77
29	78	4.19	0.0	-0.02	3.21	0.0	7.81e-03	0.0	-7.99e-06	0.0	0.0	0.0

		0.0	-2.09e-05	0.0	0.0	130.8	7.81e-03	1.60	-7.99e-06	0.0	-1.04e-05	1.05
						261.5	7.81e-03	3.21	-7.99e-06	0.0	-2.09e-05	4.19
29	81	0.0	8.03e-06	0.02	-2.72	0.0	-3.00e-03	0.0	3.07e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-3.00e-03	-1.36	3.07e-06	0.0	4.01e-06	-0.89
						261.5	-3.00e-03	-2.72	3.07e-06	0.0	8.03e-06	-3.55
29	84	1.52	0.0	-8.18e-03	1.17	0.0	2.94e-03	0.0	-3.00e-06	0.0	0.0	0.0
		0.0	-7.85e-06	0.0	0.0	130.8	2.94e-03	0.58	-3.00e-06	0.0	-3.93e-06	0.38
						261.5	2.94e-03	1.17	-3.00e-06	0.0	-7.85e-06	1.52
29	85	0.0	0.0	1.34e-04	-0.02	0.0	7.74e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	-2.07e-06	0.0	0.0	130.8	7.74e-04	-9.57e-03	0.0	0.0	-1.03e-06	-6.26e-03
						261.5	7.74e-04	-0.02	0.0	0.0	-2.07e-06	-0.03
29	87	0.86	0.0	-4.60e-03	0.66	0.0	1.72e-03	0.0	-1.76e-06	0.0	0.0	0.0
		0.0	-4.59e-06	0.0	0.0	130.8	1.72e-03	0.33	-1.76e-06	0.0	-2.30e-06	0.21
						261.5	1.72e-03	0.66	-1.76e-06	0.0	-4.59e-06	0.86
30	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	1.04e-05	0.0	-2.72e-05	6.22
		0.0	-2.72e-05	0.0	0.0	130.8	0.01	-2.38	1.04e-05	0.0	-1.36e-05	1.55
						261.5	0.01	0.0	1.04e-05	0.0	0.0	0.0
30	10	0.0	1.30e-05	-0.03	-4.48	0.0	-5.87e-03	4.48	-4.99e-06	0.0	1.30e-05	-5.86
		-5.86	0.0	0.0	0.0	130.8	-5.87e-03	2.24	-4.99e-06	0.0	6.52e-06	-1.46
						261.5	-5.87e-03	0.0	-4.99e-06	0.0	0.0	0.0
30	12	7.19	0.0	0.04	5.50	0.0	0.01	-5.50	1.13e-05	0.0	-2.96e-05	7.19
		0.0	-2.96e-05	0.0	0.0	130.8	0.01	-2.75	1.13e-05	0.0	-1.48e-05	1.80
						261.5	0.01	0.0	1.13e-05	0.0	0.0	0.0
30	13	0.47	1.37e-04	0.03	0.66	0.0	4.31e-03	-0.51	-5.23e-05	0.0	1.37e-04	0.47
		-0.04	0.0	1.09e-03	0.0	130.8	4.31e-03	-0.18	-5.23e-05	0.0	6.84e-05	0.02
						261.5	4.31e-03	0.15	-5.23e-05	0.0	0.0	0.0
30	16	1.25	0.0	-0.02	0.66	0.0	-6.75e-04	-0.80	5.54e-05	0.0	-1.45e-04	1.25
		0.0	-1.45e-04	-1.09e-03	0.0	130.8	-6.75e-04	-0.48	5.54e-05	0.0	-7.24e-05	0.41
						261.5	-6.75e-04	-0.15	5.54e-05	0.0	0.0	0.0
30	30	0.85	6.30e-06	0.01	0.66	0.0	9.33e-03	-0.65	-2.41e-06	0.0	6.30e-06	0.85
		0.0	0.0	-1.40e-04	0.0	130.8	9.33e-03	-0.33	-2.41e-06	0.0	3.15e-06	0.21
						261.5	9.33e-03	1.43e-03	-2.41e-06	0.0	0.0	0.0
30	31	0.86	0.0	-2.51e-03	0.66	0.0	-5.70e-03	-0.66	5.50e-06	0.0	-1.44e-05	0.86
		0.0	-1.44e-05	1.40e-04	0.0	130.8	-5.70e-03	-0.33	5.50e-06	0.0	-7.19e-06	0.22
						261.5	-5.70e-03	-1.43e-03	5.50e-06	0.0	0.0	0.0
30	49	0.70	5.98e-05	0.02	0.66	0.0	3.04e-03	-0.59	-2.29e-05	0.0	5.98e-05	0.70
		-6.50e-03	0.0	4.30e-04	0.0	130.8	3.04e-03	-0.26	-2.29e-05	0.0	2.99e-05	0.14
						261.5	3.04e-03	0.07	-2.29e-05	0.0	0.0	0.0
30	50	0.68	5.33e-05	0.02	0.66	0.0	4.72e-03	-0.60	-2.04e-05	0.0	5.33e-05	0.68
		-9.01e-03	0.0	5.09e-04	0.0	130.8	4.72e-03	-0.27	-2.04e-05	0.0	2.66e-05	0.12
						261.5	4.72e-03	0.06	-2.04e-05	0.0	0.0	0.0
30	51	1.04	0.0	-7.42e-03	0.66	0.0	-1.09e-03	-0.72	2.35e-05	0.0	-6.13e-05	1.04
		0.0	-6.13e-05	-5.10e-04	0.0	130.8	-1.09e-03	-0.39	2.35e-05	0.0	-3.07e-05	0.30
						261.5	-1.09e-03	-0.06	2.35e-05	0.0	0.0	0.0
30	52	1.01	0.0	-7.70e-03	0.66	0.0	5.89e-04	-0.72	2.60e-05	0.0	-6.79e-05	1.01
		0.0	-6.79e-05	-4.30e-04	0.0	130.8	5.89e-04	-0.40	2.60e-05	0.0	-3.39e-05	0.29
						261.5	5.89e-04	-0.07	2.60e-05	0.0	0.0	0.0
30	70	0.77	3.25e-06	7.77e-03	0.66	0.0	5.23e-03	-0.65	-1.24e-06	0.0	3.25e-06	0.77
		-2.06e-03	0.0	2.73e-04	0.0	130.8	5.23e-03	-0.32	-1.24e-06	0.0	1.62e-06	0.17
						261.5	5.23e-03	5.51e-03	-1.24e-06	0.0	0.0	0.0
30	71	0.94	0.0	1.43e-03	0.66	0.0	-1.60e-03	-0.66	4.33e-06	0.0	-1.13e-05	0.94
		0.0	-1.13e-05	-2.74e-04	0.0	130.8	-1.60e-03	-0.33	4.33e-06	0.0	-5.66e-06	0.26
						261.5	-1.60e-03	-5.51e-03	4.33e-06	0.0	0.0	0.0
30	78	4.19	0.0	0.02	3.21	0.0	8.27e-03	-3.21	7.03e-06	0.0	-1.84e-05	4.19
		0.0	-1.84e-05	0.0	0.0	130.8	8.27e-03	-1.60	7.03e-06	0.0	-9.19e-06	1.05
						261.5	8.27e-03	0.0	7.03e-06	0.0	0.0	0.0
30	81	0.0	7.06e-06	-0.02	-2.72	0.0	-3.18e-03	2.72	-2.70e-06	0.0	7.06e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-3.18e-03	1.36	-2.70e-06	0.0	3.53e-06	-0.89
						261.5	-3.18e-03	0.0	-2.70e-06	0.0	0.0	0.0
30	84	1.52	0.0	8.18e-03	1.17	0.0	3.11e-03	-1.17	2.64e-06	0.0	-6.91e-06	1.52
		0.0	-6.91e-06	0.0	0.0	130.8	3.11e-03	-0.58	2.64e-06	0.0	-3.45e-06	0.38
						261.5	3.11e-03	0.0	2.64e-06	0.0	0.0	0.0
30	85	0.0	0.0	-1.34e-04	-0.02	0.0	8.18e-04	0.02	0.0	0.0	-1.82e-06	-0.03
		-0.03	-1.82e-06	0.0	0.0	130.8	8.18e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.18e-04	0.0	0.0	0.0	0.0	0.0
30	87	0.86	0.0	4.60e-03	0.66	0.0	1.82e-03	-0.66	1.54e-06	0.0	-4.04e-06	0.86
		0.0	-4.04e-06	0.0	0.0	130.8	1.82e-03	-0.33	1.54e-06	0.0	-2.02e-06	0.21
						261.5	1.82e-03	0.0	1.54e-06	0.0	0.0	0.0
31	3	6.22	0.0	0.03	4.75	0.0	4.88e-04	-4.75	2.19e-05	0.0	-5.73e-05	6.22
		0.0	-5.73e-05	0.0	0.0	130.8	4.88e-04	-2.38	2.19e-05	0.0	-2.86e-05	1.55
						261.5	4.88e-04	0.0	2.19e-05	0.0	0.0	0.0
31	10	0.0	2.75e-05	-0.03	-4.48	0.0	-2.34e-04	4.48	-1.05e-05	0.0	2.75e-05	-5.86
		-5.86	0.0	0.0	0.0	130.8	-2.34e-04	2.24	-1.05e-05	0.0	1.37e-05	-1.46
						261.5	-2.34e-04	0.0	-1.05e-05	0.0	0.0	0.0
31	12	7.19	0.0	0.04	5.50	0.0	5.32e-04	-5.50	2.39e-05	0.0	-6.24e-05	7.19
		0.0	-6.24e-05	0.0	0.0	130.8	5.32e-04	-2.75	2.39e-05	0.0	-3.12e-05	1.80
						261.5	5.32e-04	0.0	2.39e-05	0.0	0.0	0.0

31	13	1.26	0.0	0.03	0.66	0.0	0.01	-0.84	3.74e-05	0.0	-9.78e-05	1.26
		0.0	-9.78e-05	1.09e-03	0.0	130.8	0.01	-0.51	3.74e-05	0.0	-4.89e-05	0.41
						261.5	0.01	-0.18	3.74e-05	0.0	0.0	0.0
31	14	1.33	0.0	0.03	0.66	0.0	9.79e-03	-0.81	4.69e-05	0.0	-1.23e-04	1.33
		0.0	-1.23e-04	8.31e-04	0.0	130.8	9.79e-03	-0.48	4.69e-05	0.0	-6.13e-05	0.45
						261.5	9.79e-03	-0.15	4.69e-05	0.0	0.0	0.0
31	15	0.38	1.06e-04	-0.02	0.66	0.0	-9.64e-03	-0.50	-4.04e-05	0.0	1.06e-04	0.38
		-0.06	0.0	-8.31e-04	0.0	130.8	-9.64e-03	-0.17	-4.04e-05	0.0	5.28e-05	-0.02
						261.5	-9.64e-03	0.15	-4.04e-05	0.0	0.0	0.0
31	16	0.46	8.08e-05	-0.02	0.66	0.0	-0.01	-0.47	-3.09e-05	0.0	8.08e-05	0.46
		-0.05	0.0	-1.09e-03	0.0	130.8	-0.01	-0.15	-3.09e-05	0.0	4.04e-05	0.01
						261.5	-0.01	0.18	-3.09e-05	0.0	0.0	0.0
31	18	1.31	0.0	0.03	0.66	0.0	0.01	-0.83	4.72e-05	0.0	-1.24e-04	1.31
		0.0	-1.24e-04	1.04e-03	0.0	130.8	0.01	-0.50	4.72e-05	0.0	-6.18e-05	0.44
						261.5	0.01	-0.17	4.72e-05	0.0	0.0	0.0
31	19	0.40	1.07e-04	-0.02	0.66	0.0	-0.01	-0.48	-4.07e-05	0.0	1.07e-04	0.40
		-0.06	0.0	-1.04e-03	0.0	130.8	-0.01	-0.15	-4.07e-05	0.0	5.33e-05	-0.01
						261.5	-0.01	0.17	-4.07e-05	0.0	0.0	0.0
31	45	1.06	0.0	0.02	0.66	0.0	5.57e-03	-0.73	2.01e-05	0.0	-5.26e-05	1.06
		0.0	-5.26e-05	5.10e-04	0.0	130.8	5.57e-03	-0.41	2.01e-05	0.0	-2.63e-05	0.32
						261.5	5.57e-03	-0.08	2.01e-05	0.0	0.0	0.0
31	46	1.08	0.0	0.02	0.66	0.0	4.86e-03	-0.74	2.30e-05	0.0	-6.01e-05	1.08
		0.0	-6.01e-05	4.29e-04	0.0	130.8	4.86e-03	-0.41	2.30e-05	0.0	-3.00e-05	0.33
						261.5	4.86e-03	-0.09	2.30e-05	0.0	0.0	0.0
31	47	0.63	4.31e-05	-7.24e-03	0.66	0.0	-4.71e-03	-0.57	-1.65e-05	0.0	4.31e-05	0.63
		-0.01	0.0	-4.29e-04	0.0	130.8	-4.71e-03	-0.24	-1.65e-05	0.0	2.15e-05	0.10
						261.5	-4.71e-03	0.09	-1.65e-05	0.0	0.0	0.0
31	48	0.65	3.56e-05	-6.98e-03	0.66	0.0	-5.42e-03	-0.58	-1.36e-05	0.0	3.56e-05	0.65
		-0.01	0.0	-5.11e-04	0.0	130.8	-5.42e-03	-0.25	-1.36e-05	0.0	1.78e-05	0.11
						261.5	-5.42e-03	0.08	-1.36e-05	0.0	0.0	0.0
31	50	1.08	0.0	0.02	0.66	0.0	5.14e-03	-0.74	2.40e-05	0.0	-6.28e-05	1.08
		0.0	-6.28e-05	5.09e-04	0.0	130.8	5.14e-03	-0.41	2.40e-05	0.0	-3.14e-05	0.33
						261.5	5.14e-03	-0.09	2.40e-05	0.0	0.0	0.0
31	51	0.63	4.58e-05	-7.27e-03	0.66	0.0	-4.99e-03	-0.57	-1.75e-05	0.0	4.58e-05	0.63
		-0.01	0.0	-5.10e-04	0.0	130.8	-4.99e-03	-0.24	-1.75e-05	0.0	2.29e-05	0.10
						261.5	-4.99e-03	0.09	-1.75e-05	0.0	0.0	0.0
31	78	4.19	0.0	0.02	3.21	0.0	3.30e-04	-3.21	1.48e-05	0.0	-3.87e-05	4.19
		0.0	-3.87e-05	0.0	0.0	130.8	3.30e-04	-1.60	1.48e-05	0.0	-1.93e-05	1.05
						261.5	3.30e-04	0.0	1.48e-05	0.0	0.0	0.0
31	81	0.0	1.49e-05	-0.02	-2.72	0.0	-1.27e-04	2.72	-5.69e-06	0.0	1.49e-05	-3.55
		-3.55	0.0	0.0	0.0	130.8	-1.27e-04	1.36	-5.69e-06	0.0	7.43e-06	-0.89
						261.5	-1.27e-04	0.0	-5.69e-06	0.0	0.0	0.0
31	84	1.52	0.0	8.18e-03	1.17	0.0	1.24e-04	-1.17	5.56e-06	0.0	-1.45e-05	1.52
		0.0	-1.45e-05	0.0	0.0	130.8	1.24e-04	-0.58	5.56e-06	0.0	-7.27e-06	0.38
						261.5	1.24e-04	0.0	5.56e-06	0.0	0.0	0.0
31	85	0.0	0.0	-1.34e-04	-0.02	0.0	3.27e-05	0.02	1.46e-06	0.0	-3.83e-06	-0.03
		-0.03	-3.83e-06	0.0	0.0	130.8	3.27e-05	9.57e-03	1.46e-06	0.0	-1.92e-06	-6.26e-03
						261.5	3.27e-05	0.0	1.46e-06	0.0	0.0	0.0
31	87	0.86	0.0	4.60e-03	0.66	0.0	7.25e-05	-0.66	3.25e-06	0.0	-8.51e-06	0.86
		0.0	-8.51e-06	0.0	0.0	130.8	7.25e-05	-0.33	3.25e-06	0.0	-4.25e-06	0.21
						261.5	7.25e-05	0.0	3.25e-06	0.0	0.0	0.0
32	3	6.22	0.0	-0.03	4.75	0.0	-4.72e-04	0.0	-1.61e-05	0.0	0.0	0.0
		0.0	-4.20e-05	0.0	0.0	130.8	-4.72e-04	2.38	-1.61e-05	0.0	-2.10e-05	1.55
						261.5	-4.72e-04	4.75	-1.61e-05	0.0	-4.20e-05	6.22
32	10	0.0	2.01e-05	0.03	-4.48	0.0	2.27e-04	0.0	7.70e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	2.27e-04	-2.24	7.70e-06	0.0	1.01e-05	-1.46
						261.5	2.27e-04	-4.48	7.70e-06	0.0	2.01e-05	-5.86
32	12	7.19	0.0	-0.04	5.50	0.0	-5.15e-04	0.0	-1.75e-05	0.0	0.0	0.0
		0.0	-4.58e-05	0.0	0.0	130.8	-5.15e-04	2.75	-1.75e-05	0.0	-2.29e-05	1.80
						261.5	-5.15e-04	5.50	-1.75e-05	0.0	-4.58e-05	7.19
32	13	1.33	1.09e-04	0.02	0.66	0.0	-9.21e-03	0.18	4.15e-05	0.0	0.0	0.0
		0.0	0.0	1.08e-03	0.0	130.8	-9.21e-03	0.51	4.15e-05	0.0	5.43e-05	0.45
						261.5	-9.21e-03	0.84	4.15e-05	0.0	1.09e-04	1.33
32	16	0.39	0.0	-0.03	0.66	0.0	9.07e-03	-0.18	-4.63e-05	0.0	0.0	0.0
		-0.06	-1.21e-04	-1.08e-03	0.0	130.8	9.07e-03	0.15	-4.63e-05	0.0	-6.05e-05	-0.02
						261.5	9.07e-03	0.48	-4.63e-05	0.0	-1.21e-04	0.39
32	18	1.27	8.53e-05	0.02	0.66	0.0	-0.01	0.16	3.26e-05	0.0	0.0	0.0
		0.0	0.0	1.04e-03	0.0	130.8	-0.01	0.49	3.26e-05	0.0	4.26e-05	0.42
						261.5	-0.01	0.81	3.26e-05	0.0	8.53e-05	1.27
32	19	0.44	0.0	-0.03	0.66	0.0	0.01	-0.16	-3.74e-05	0.0	0.0	0.0
		-0.05	-9.78e-05	-1.04e-03	0.0	130.8	0.01	0.17	-3.74e-05	0.0	-4.89e-05	5.83e-03
						261.5	0.01	0.50	-3.74e-05	0.0	-9.78e-05	0.44
32	45	1.08	4.48e-05	7.27e-03	0.66	0.0	-4.47e-03	0.09	1.71e-05	0.0	0.0	0.0
		0.0	0.0	5.10e-04	0.0	130.8	-4.47e-03	0.41	1.71e-05	0.0	2.24e-05	0.33
						261.5	-4.47e-03	0.74	1.71e-05	0.0	4.48e-05	1.08
32	48	0.63	0.0	-0.02	0.66	0.0	4.33e-03	-0.09	-2.19e-05	0.0	0.0	0.0
		-0.01	-5.73e-05	-5.09e-04	0.0	130.8	4.33e-03	0.24	-2.19e-05	0.0	-2.87e-05	0.10

						261.5	4.33e-03	0.57	-2.19e-05	0.0	-5.73e-05	0.63
32	49	1.08	4.22e-05	7.24e-03	0.66	0.0	-4.18e-03	0.09	1.61e-05	0.0	0.0	0.0
		0.0	0.0	4.29e-04	0.0	130.8	-4.18e-03	0.41	1.61e-05	0.0	2.11e-05	0.33
						261.5	-4.18e-03	0.74	1.61e-05	0.0	4.22e-05	1.08
32	50	1.06	3.68e-05	6.98e-03	0.66	0.0	-5.09e-03	0.08	1.41e-05	0.0	0.0	0.0
		0.0	0.0	5.11e-04	0.0	130.8	-5.09e-03	0.41	1.41e-05	0.0	1.84e-05	0.32
						261.5	-5.09e-03	0.73	1.41e-05	0.0	3.68e-05	1.06
32	51	0.65	0.0	-0.02	0.66	0.0	4.95e-03	-0.08	-1.88e-05	0.0	0.0	0.0
		-0.01	-4.93e-05	-5.10e-04	0.0	130.8	4.95e-03	0.25	-1.88e-05	0.0	-2.46e-05	0.11
						261.5	4.95e-03	0.58	-1.88e-05	0.0	-4.93e-05	0.65
32	52	0.63	0.0	-0.02	0.66	0.0	4.04e-03	-0.09	-2.09e-05	0.0	0.0	0.0
		-0.01	-5.47e-05	-4.29e-04	0.0	130.8	4.04e-03	0.24	-2.09e-05	0.0	-2.73e-05	0.10
						261.5	4.04e-03	0.57	-2.09e-05	0.0	-5.47e-05	0.63
32	78	4.19	0.0	-0.02	3.21	0.0	-3.19e-04	0.0	-1.09e-05	0.0	0.0	0.0
		0.0	-2.84e-05	0.0	0.0	130.8	-3.19e-04	1.60	-1.09e-05	0.0	-1.42e-05	1.05
						261.5	-3.19e-04	3.21	-1.09e-05	0.0	-2.84e-05	4.19
32	81	0.0	1.09e-05	0.02	-2.72	0.0	1.23e-04	0.0	4.17e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	1.23e-04	-1.36	4.17e-06	0.0	5.45e-06	-0.89
						261.5	1.23e-04	-2.72	4.17e-06	0.0	1.09e-05	-3.55
32	84	1.52	0.0	-8.18e-03	1.17	0.0	-1.20e-04	0.0	-4.08e-06	0.0	0.0	0.0
		0.0	-1.07e-05	0.0	0.0	130.8	-1.20e-04	0.58	-4.08e-06	0.0	-5.33e-06	0.38
						261.5	-1.20e-04	1.17	-4.08e-06	0.0	-1.07e-05	1.52
32	85	0.0	0.0	1.34e-04	-0.02	0.0	-3.16e-05	0.0	-1.07e-06	0.0	0.0	0.0
		-0.03	-2.81e-06	0.0	0.0	130.8	-3.16e-05	-9.57e-03	-1.07e-06	0.0	-1.40e-06	-6.26e-03
						261.5	-3.16e-05	-0.02	-1.07e-06	0.0	-2.81e-06	-0.03
32	87	0.86	0.0	-4.60e-03	0.66	0.0	-7.02e-05	0.0	-2.39e-06	0.0	0.0	0.0
		0.0	-6.24e-06	0.0	0.0	130.8	-7.02e-05	0.33	-2.39e-06	0.0	-3.12e-06	0.21
						261.5	-7.02e-05	0.66	-2.39e-06	0.0	-6.24e-06	0.86
33	3	3.31	0.0	-0.02	2.53	0.0	-0.02	0.0	-1.69e-05	0.0	0.0	0.0
		0.0	-4.43e-05	0.0	0.0	130.8	-0.02	1.27	-1.69e-05	0.0	-2.22e-05	0.83
						261.5	-0.02	2.53	-1.69e-05	0.0	-4.43e-05	3.31
33	10	0.0	2.13e-05	0.03	-4.65	0.0	9.01e-03	0.0	8.13e-06	0.0	0.0	0.0
		-6.08	0.0	0.0	0.0	130.8	9.01e-03	-2.33	8.13e-06	0.0	1.06e-05	-1.52
						261.5	9.01e-03	-4.65	8.13e-06	0.0	2.13e-05	-6.08
33	12	4.29	0.0	-0.02	3.28	0.0	-0.02	0.0	-1.85e-05	0.0	0.0	0.0
		0.0	-4.83e-05	0.0	0.0	130.8	-0.02	1.64	-1.85e-05	0.0	-2.41e-05	1.07
						261.5	-0.02	3.28	-1.85e-05	0.0	-4.83e-05	4.29
33	13	0.20	0.0	0.02	0.45	0.0	3.15e-03	-0.15	-6.96e-06	0.0	0.0	0.0
		-0.06	-1.82e-05	1.08e-03	0.0	130.8	3.15e-03	0.08	-6.96e-06	0.0	-9.11e-06	-0.05
						261.5	3.15e-03	0.30	-6.96e-06	0.0	-1.82e-05	0.20
33	16	0.97	5.05e-06	-0.03	0.45	0.0	-8.73e-03	0.15	1.93e-06	0.0	0.0	0.0
		0.0	0.0	-1.08e-03	0.0	130.8	-8.73e-03	0.37	1.93e-06	0.0	2.52e-06	0.34
						261.5	-8.73e-03	0.60	1.93e-06	0.0	5.05e-06	0.97
33	30	0.72	0.0	2.91e-03	0.45	0.0	-0.02	0.05	-1.96e-05	0.0	0.0	0.0
		0.0	-5.13e-05	-1.25e-04	0.0	130.8	-0.02	0.28	-1.96e-05	0.0	-2.56e-05	0.22
						261.5	-0.02	0.50	-1.96e-05	0.0	-5.13e-05	0.72
33	31	0.45	3.81e-05	-9.20e-03	0.45	0.0	0.02	-0.05	1.46e-05	0.0	0.0	0.0
		-8.23e-03	0.0	1.26e-04	0.0	130.8	0.02	0.17	1.46e-05	0.0	1.91e-05	0.08
						261.5	0.02	0.39	1.46e-05	0.0	3.81e-05	0.45
33	49	0.41	0.0	8.76e-03	0.45	0.0	-1.00e-03	-0.05	-5.04e-06	0.0	0.0	0.0
		-0.01	-1.32e-05	4.29e-04	0.0	130.8	-1.00e-03	0.17	-5.04e-06	0.0	-6.59e-06	0.06
						261.5	-1.00e-03	0.39	-5.04e-06	0.0	-1.32e-05	0.41
33	52	0.76	0.0	-0.02	0.45	0.0	-4.58e-03	0.05	0.0	0.0	0.0	0.0
		0.0	0.0	-4.29e-04	0.0	130.8	-4.58e-03	0.28	0.0	0.0	0.0	0.23
						261.5	-4.58e-03	0.50	0.0	0.0	0.0	0.76
33	70	0.60	0.0	-5.04e-04	0.45	0.0	-9.05e-03	-0.04	-9.07e-06	0.0	0.0	0.0
		0.0	-2.37e-05	2.77e-04	0.0	130.8	-9.05e-03	0.18	-9.07e-06	0.0	-1.19e-05	0.15
						261.5	-9.05e-03	0.41	-9.07e-06	0.0	-2.37e-05	0.60
33	71	0.58	1.06e-05	-6.30e-03	0.45	0.0	3.47e-03	0.04	4.04e-06	0.0	0.0	0.0
		0.0	0.0	-2.76e-04	0.0	130.8	3.47e-03	0.26	4.04e-06	0.0	5.28e-06	0.14
						261.5	3.47e-03	0.49	4.04e-06	0.0	1.06e-05	0.58
33	78	2.25	0.0	-0.01	1.72	0.0	-0.01	0.0	-1.15e-05	0.0	0.0	0.0
		0.0	-2.99e-05	0.0	0.0	130.8	-0.01	0.86	-1.15e-05	0.0	-1.50e-05	0.56
						261.5	-0.01	1.72	-1.15e-05	0.0	-2.99e-05	2.25
33	81	0.0	1.15e-05	0.02	-2.93	0.0	4.88e-03	0.0	4.40e-06	0.0	0.0	0.0
		-3.82	0.0	0.0	0.0	130.8	4.88e-03	-1.46	4.40e-06	0.0	5.75e-06	-0.96
						261.5	4.88e-03	-2.93	4.40e-06	0.0	1.15e-05	-3.82
33	84	0.92	0.0	-4.93e-03	0.70	0.0	-4.77e-03	0.0	-4.30e-06	0.0	0.0	0.0
		0.0	-1.13e-05	0.0	0.0	130.8	-4.77e-03	0.35	-4.30e-06	0.0	-5.63e-06	0.23
						261.5	-4.77e-03	0.70	-4.30e-06	0.0	-1.13e-05	0.92
33	85	0.0	0.0	1.59e-03	-0.23	0.0	-1.26e-03	0.0	-1.13e-06	0.0	0.0	0.0
		-0.30	-2.96e-06	0.0	0.0	130.8	-1.26e-03	-0.11	-1.13e-06	0.0	-1.48e-06	-0.07
						261.5	-1.26e-03	-0.23	-1.13e-06	0.0	-2.96e-06	-0.30
33	87	0.59	0.0	-3.14e-03	0.45	0.0	-2.79e-03	0.0	-2.52e-06	0.0	0.0	0.0
		0.0	-6.58e-06	0.0	0.0	130.8	-2.79e-03	0.22	-2.52e-06	0.0	-3.29e-06	0.15
						261.5	-2.79e-03	0.45	-2.52e-06	0.0	-6.58e-06	0.59
34	3	3.31	0.0	0.02	2.53	0.0	-0.02	-2.53	1.48e-05	0.0	-3.87e-05	3.31

		0.0	-3.87e-05	0.0	0.0	130.8	-0.02	-1.27	1.48e-05	0.0	-1.93e-05	0.83
						261.5	-0.02	0.0	1.48e-05	0.0	0.0	0.0
34	10	0.0	1.85e-05	-0.03	-4.65	0.0	9.01e-03	4.65	-7.09e-06	0.0	1.85e-05	-6.08
		-6.08	0.0	0.0	0.0	130.8	9.01e-03	2.33	-7.09e-06	0.0	9.27e-06	-1.52
						261.5	9.01e-03	0.0	-7.09e-06	0.0	0.0	0.0
34	12	4.29	0.0	0.02	3.28	0.0	-0.02	-3.28	1.61e-05	0.0	-4.21e-05	4.29
		0.0	-4.21e-05	0.0	0.0	130.8	-0.02	-1.64	1.61e-05	0.0	-2.11e-05	1.07
						261.5	-0.02	0.0	1.61e-05	0.0	0.0	0.0
34	13	0.20	2.60e-05	0.03	0.45	0.0	2.47e-03	-0.30	-9.93e-06	0.0	2.60e-05	0.20
		-0.06	0.0	1.09e-03	0.0	130.8	2.47e-03	-0.08	-9.93e-06	0.0	1.30e-05	-0.05
						261.5	2.47e-03	0.15	-9.93e-06	0.0	0.0	0.0
34	16	0.98	0.0	-0.02	0.45	0.0	-8.05e-03	-0.60	1.43e-05	0.0	-3.75e-05	0.98
		0.0	-3.75e-05	-1.09e-03	0.0	130.8	-8.05e-03	-0.37	1.43e-05	0.0	-1.87e-05	0.34
						261.5	-8.05e-03	-0.15	1.43e-05	0.0	0.0	0.0
34	29	0.25	4.25e-05	9.77e-03	0.45	0.0	0.02	-0.32	-1.63e-05	0.0	4.25e-05	0.25
		-0.05	0.0	7.16e-04	0.0	130.8	0.02	-0.10	-1.63e-05	0.0	2.13e-05	-0.02
						261.5	0.02	0.13	-1.63e-05	0.0	0.0	0.0
34	30	0.73	0.0	0.01	0.45	0.0	-0.02	-0.50	1.63e-05	0.0	-4.26e-05	0.73
		0.0	-4.26e-05	-1.40e-04	0.0	130.8	-0.02	-0.28	1.63e-05	0.0	-2.13e-05	0.22
						261.5	-0.02	-0.06	1.63e-05	0.0	0.0	0.0
34	31	0.44	3.12e-05	-6.69e-03	0.45	0.0	0.02	-0.39	-1.19e-05	0.0	3.12e-05	0.44
		-8.92e-03	0.0	1.40e-04	0.0	130.8	0.02	-0.17	-1.19e-05	0.0	1.56e-05	0.07
						261.5	0.02	0.06	-1.19e-05	0.0	0.0	0.0
34	32	0.92	0.0	-3.48e-03	0.45	0.0	-0.02	-0.58	2.07e-05	0.0	-5.40e-05	0.92
		0.0	-5.40e-05	-7.16e-04	0.0	130.8	-0.02	-0.35	2.07e-05	0.0	-2.70e-05	0.31
						261.5	-0.02	-0.13	2.07e-05	0.0	0.0	0.0
34	46	0.41	0.0	0.02	0.45	0.0	-5.12e-03	-0.38	0.0	0.0	0.0	0.41
		-0.01	0.0	4.29e-04	0.0	130.8	-5.12e-03	-0.16	0.0	0.0	0.0	0.06
						261.5	-5.12e-03	0.07	0.0	0.0	0.0	0.0
34	47	0.76	0.0	-8.76e-03	0.45	0.0	-4.54e-04	-0.52	4.13e-06	0.0	-1.08e-05	0.76
		0.0	-1.08e-05	-4.29e-04	0.0	130.8	-4.54e-04	-0.29	4.13e-06	0.0	-5.40e-06	0.23
						261.5	-4.54e-04	-0.07	4.13e-06	0.0	0.0	0.0
34	61	0.60	9.66e-06	6.30e-03	0.45	0.0	3.28e-03	-0.45	-3.69e-06	0.0	9.66e-06	0.60
		0.0	0.0	2.76e-04	0.0	130.8	3.28e-03	-0.23	-3.69e-06	0.0	4.83e-06	0.15
						261.5	3.28e-03	-3.82e-03	-3.69e-06	0.0	0.0	0.0
34	62	0.48	0.0	7.06e-03	0.45	0.0	-9.14e-03	-0.41	6.05e-06	0.0	-1.58e-05	0.48
		-4.28e-03	-1.58e-05	5.32e-06	0.0	130.8	-9.14e-03	-0.18	6.05e-06	0.0	-7.91e-06	0.09
						261.5	-9.14e-03	0.04	6.05e-06	0.0	0.0	0.0
34	63	0.69	4.33e-06	-9.90e-04	0.45	0.0	3.56e-03	-0.49	-1.66e-06	0.0	4.33e-06	0.69
		0.0	0.0	-5.44e-06	0.0	130.8	3.56e-03	-0.26	-1.66e-06	0.0	2.16e-06	0.20
						261.5	3.56e-03	-0.04	-1.66e-06	0.0	0.0	0.0
34	64	0.58	0.0	-4.87e-04	0.45	0.0	-8.86e-03	-0.44	8.09e-06	0.0	-2.11e-05	0.58
		0.0	-2.11e-05	-2.77e-04	0.0	130.8	-8.86e-03	-0.22	8.09e-06	0.0	-1.06e-05	0.14
						261.5	-8.86e-03	3.82e-03	8.09e-06	0.0	0.0	0.0
34	78	2.25	0.0	0.01	1.72	0.0	-0.01	-1.72	9.99e-06	0.0	-2.61e-05	2.25
		0.0	-2.61e-05	0.0	0.0	130.8	-0.01	-0.86	9.99e-06	0.0	-1.31e-05	0.56
						261.5	-0.01	0.0	9.99e-06	0.0	0.0	0.0
34	81	0.0	1.00e-05	-0.02	-2.93	0.0	4.88e-03	2.93	-3.84e-06	0.0	1.00e-05	-3.82
		-3.82	0.0	0.0	0.0	130.8	4.88e-03	1.46	-3.84e-06	0.0	5.02e-06	-0.96
						261.5	4.88e-03	0.0	-3.84e-06	0.0	0.0	0.0
34	84	0.92	0.0	4.93e-03	0.70	0.0	-4.77e-03	-0.70	3.76e-06	0.0	-9.82e-06	0.92
		0.0	-9.82e-06	0.0	0.0	130.8	-4.77e-03	-0.35	3.76e-06	0.0	-4.91e-06	0.23
						261.5	-4.77e-03	0.0	3.76e-06	0.0	0.0	0.0
34	85	0.0	0.0	-1.59e-03	-0.23	0.0	-1.26e-03	0.23	0.0	0.0	-2.59e-06	-0.30
		-0.30	-2.59e-06	0.0	0.0	130.8	-1.26e-03	0.11	0.0	0.0	-1.29e-06	-0.07
						261.5	-1.26e-03	0.0	0.0	0.0	0.0	0.0
34	87	0.59	0.0	3.14e-03	0.45	0.0	-2.79e-03	-0.45	2.20e-06	0.0	-5.74e-06	0.59
		0.0	-5.74e-06	0.0	0.0	130.8	-2.79e-03	-0.22	2.20e-06	0.0	-2.87e-06	0.15
						261.5	-2.79e-03	0.0	2.20e-06	0.0	0.0	0.0
35	3	0.0	5.64e-06	-6.86e-03	-0.40	0.0	0.04	-5.07	-1.69e-04	0.0	5.64e-06	0.0
		-5.97	-1.86e-04	0.0	0.0	56.7	0.04	-5.27	-1.69e-04	0.0	-9.01e-05	-2.93
						113.4	0.04	-5.47	-1.69e-04	0.0	-1.86e-04	-5.97
35	10	10.37	8.91e-05	-4.97e-04	-0.31	0.0	-0.02	9.30	8.10e-05	0.0	-2.71e-06	0.0
		0.0	-2.71e-06	0.0	0.0	56.7	-0.02	9.15	8.10e-05	0.0	4.32e-05	5.23
						113.4	-0.02	8.99	8.10e-05	0.0	8.91e-05	10.37
35	12	0.0	6.15e-06	-6.93e-03	-0.40	0.0	0.04	-6.56	-1.84e-04	0.0	6.15e-06	0.0
		-7.66	-2.03e-04	0.0	0.0	56.7	0.04	-6.76	-1.84e-04	0.0	-9.82e-05	-3.78
						113.4	0.04	-6.96	-1.84e-04	0.0	-2.03e-04	-7.66
35	18	0.0	4.51e-05	-9.59e-05	-0.31	0.0	0.02	-0.94	-2.00e-03	0.65	4.51e-05	0.0
		-1.25	-2.22e-03	3.02e-06	0.0	56.7	0.02	-1.10	-2.00e-03	0.65	-1.09e-03	-0.58
						113.4	0.02	-1.25	-2.00e-03	0.65	-2.22e-03	-1.25
35	19	0.0	2.17e-03	-1.68e-03	-0.31	0.0	-5.90e-03	-0.85	1.95e-03	-0.65	-4.34e-05	0.0
		-1.14	-4.34e-05	-3.02e-06	0.0	56.7	-5.90e-03	-1.00	1.95e-03	-0.65	1.06e-03	-0.52
						113.4	-5.90e-03	-1.16	1.95e-03	-0.65	2.17e-03	-1.14
35	30	0.0	7.21e-06	3.20e-03	-0.31	0.0	0.06	-1.20	-3.45e-04	0.07	7.21e-06	0.0
		-1.54	-3.84e-04	2.51e-04	0.0	56.7	0.06	-1.36	-3.45e-04	0.07	-1.88e-04	-0.73
						113.4	0.06	-1.51	-3.45e-04	0.07	-3.84e-04	-1.54

35	31	0.0	3.29e-04	-4.97e-03	-0.31	0.0	-0.05	-0.59	2.95e-04	-0.07	-5.53e-06	0.0
		-0.84	-5.53e-06	-2.51e-04	0.0	56.7	-0.05	-0.74	2.95e-04	-0.07	1.62e-04	-0.38
						113.4	-0.05	-0.90	2.95e-04	-0.07	3.29e-04	-0.84
35	36	0.0	5.94e-04	3.20e-03	-0.31	0.0	0.06	-1.20	5.35e-04	-0.26	-1.24e-05	0.0
		-1.54	-1.24e-05	1.04e-04	0.0	56.7	0.06	-1.36	5.35e-04	-0.26	2.91e-04	-0.73
						113.4	0.06	-1.51	5.35e-04	-0.26	5.94e-04	-1.54
35	47	0.0	9.35e-04	-1.27e-03	-0.31	0.0	-1.38e-04	-0.87	8.40e-04	-0.31	-1.82e-05	0.0
		-1.16	-1.82e-05	-3.46e-05	0.0	56.7	-1.38e-04	-1.03	8.40e-04	-0.31	4.58e-04	-0.54
						113.4	-1.38e-04	-1.18	8.40e-04	-0.31	9.35e-04	-1.16
35	50	0.0	2.16e-05	-5.05e-04	-0.31	0.0	0.01	-0.92	-9.54e-04	0.32	2.16e-05	0.0
		-1.22	-1.06e-03	-3.94e-06	0.0	56.7	0.01	-1.07	-9.54e-04	0.32	-5.19e-04	-0.57
						113.4	0.01	-1.23	-9.54e-04	0.32	-1.06e-03	-1.22
35	51	0.0	1.00e-03	-1.27e-03	-0.31	0.0	-1.45e-04	-0.87	9.04e-04	-0.32	-2.00e-05	0.0
		-1.16	-2.00e-05	3.93e-06	0.0	56.7	-1.45e-04	-1.03	9.04e-04	-0.32	4.92e-04	-0.54
						113.4	-1.45e-04	-1.18	9.04e-04	-0.32	1.00e-03	-1.16
35	68	0.0	2.40e-04	3.89e-04	-0.31	0.0	0.02	-0.98	2.16e-04	-0.10	-4.82e-06	0.0
		-1.28	-4.82e-06	9.86e-06	0.0	56.7	0.02	-1.13	2.16e-04	-0.10	1.18e-04	-0.60
						113.4	0.02	-1.29	2.16e-04	-0.10	2.40e-04	-1.28
35	70	0.0	1.05e-05	3.89e-04	-0.31	0.0	0.02	-0.98	-4.28e-04	0.12	1.05e-05	0.0
		-1.28	-4.75e-04	-5.96e-05	0.0	56.7	0.02	-1.13	-4.28e-04	0.12	-2.32e-04	-0.60
						113.4	0.02	-1.29	-4.28e-04	0.12	-4.75e-04	-1.28
35	71	0.0	4.20e-04	-2.16e-03	-0.31	0.0	-0.01	-0.81	3.78e-04	-0.12	-8.86e-06	0.0
		-1.10	-8.86e-06	5.96e-05	0.0	56.7	-0.01	-0.97	3.78e-04	-0.12	2.06e-04	-0.51
						113.4	-0.01	-1.12	3.78e-04	-0.12	4.20e-04	-1.10
35	78	0.0	3.81e-06	-4.61e-03	-0.31	0.0	0.02	-3.45	-1.14e-04	0.0	3.81e-06	0.0
		-4.08	-1.26e-04	0.0	0.0	56.7	0.02	-3.60	-1.14e-04	0.0	-6.09e-05	-2.00
						113.4	0.02	-3.76	-1.14e-04	0.0	-1.26e-04	-4.08
35	81	6.46	4.83e-05	-5.88e-04	-0.31	0.0	-9.11e-03	5.85	4.38e-05	0.0	-1.46e-06	0.0
		0.0	-1.46e-06	0.0	0.0	56.7	-9.11e-03	5.70	4.38e-05	0.0	2.34e-05	3.27
						113.4	-9.11e-03	5.54	4.38e-05	0.0	4.83e-05	6.46
35	84	0.0	1.43e-06	-1.63e-03	-0.31	0.0	8.91e-03	-1.41	-4.29e-05	0.0	1.43e-06	0.0
		-1.77	-4.72e-05	0.0	0.0	56.7	8.91e-03	-1.56	-4.29e-05	0.0	-2.29e-05	-0.84
						113.4	8.91e-03	-1.72	-4.29e-05	0.0	-4.72e-05	-1.77
35	85	0.34	0.0	-8.16e-04	-0.31	0.0	2.35e-03	0.45	-1.13e-05	0.0	0.0	0.0
		0.0	-1.24e-05	0.0	0.0	56.7	2.35e-03	0.30	-1.13e-05	0.0	-6.03e-06	0.21
						113.4	2.35e-03	0.14	-1.13e-05	0.0	-1.24e-05	0.34
35	87	0.0	0.0	-8.88e-04	-0.31	0.0	5.21e-03	-0.90	-2.51e-05	0.0	0.0	0.0
		-1.19	-2.76e-05	0.0	0.0	56.7	5.21e-03	-1.05	-2.51e-05	0.0	-1.34e-05	-0.55
						113.4	5.21e-03	-1.20	-2.51e-05	0.0	-2.76e-05	-1.19
36	3	6.22	0.0	0.03	4.75	0.0	8.84e-03	-4.75	1.17e-05	0.0	-3.07e-05	6.22
		0.0	-3.07e-05	0.0	0.0	130.8	8.84e-03	-2.38	1.17e-05	0.0	-1.53e-05	1.55
						261.5	8.84e-03	0.0	1.17e-05	0.0	0.0	0.0
36	10	0.0	1.31e-05	-0.03	-4.48	0.0	-3.78e-03	4.48	-5.01e-06	0.0	1.31e-05	-5.86
		-5.86	0.0	0.0	0.0	130.8	-3.78e-03	2.24	-5.01e-06	0.0	6.55e-06	-1.46
						261.5	-3.78e-03	0.0	-5.01e-06	0.0	0.0	0.0
36	12	7.19	0.0	0.04	5.50	0.0	9.56e-03	-5.50	1.27e-05	0.0	-3.32e-05	7.19
		0.0	-3.32e-05	0.0	0.0	130.8	9.56e-03	-2.75	1.27e-05	0.0	-1.66e-05	1.80
						261.5	9.56e-03	0.0	1.27e-05	0.0	0.0	0.0
36	13	0.44	0.0	0.04	0.66	0.0	-0.02	-0.49	3.26e-03	0.0	-8.53e-03	0.44
		-0.05	-8.53e-03	5.86e-04	0.0	130.8	-0.02	-0.17	3.26e-03	0.0	-4.27e-03	3.90e-03
						261.5	-0.02	0.16	3.26e-03	0.0	0.0	0.0
36	14	0.50	0.0	0.03	0.66	0.0	-0.01	-0.52	4.96e-03	0.0	-0.01	0.50
		-0.04	-0.01	7.34e-04	0.0	130.8	-0.01	-0.19	4.96e-03	0.0	-6.48e-03	0.04
						261.5	-0.01	0.13	4.96e-03	0.0	0.0	0.0
36	15	1.21	0.01	-0.02	0.66	0.0	0.02	-0.79	-4.95e-03	0.0	0.01	1.21
		0.0	0.0	-7.34e-04	0.0	130.8	0.02	-0.46	-4.95e-03	0.0	6.48e-03	0.39
						261.5	0.02	-0.13	-4.95e-03	0.0	0.0	0.0
36	16	1.28	8.52e-03	-0.03	0.66	0.0	0.02	-0.82	-3.26e-03	0.0	8.52e-03	1.28
		0.0	0.0	-5.86e-04	0.0	130.8	0.02	-0.49	-3.26e-03	0.0	4.26e-03	0.42
						261.5	0.02	-0.16	-3.26e-03	0.0	0.0	0.0
36	46	0.69	0.0	0.02	0.66	0.0	-5.89e-03	-0.58	2.19e-03	0.0	-5.72e-03	0.69
		-7.73e-03	-5.72e-03	3.20e-04	0.0	130.8	-5.89e-03	-0.26	2.19e-03	0.0	-2.86e-03	0.13
						261.5	-5.89e-03	0.07	2.19e-03	0.0	0.0	0.0
36	47	1.03	5.71e-03	-7.97e-03	0.66	0.0	8.48e-03	-0.73	-2.18e-03	0.0	5.71e-03	1.03
		0.0	0.0	-3.20e-04	0.0	130.8	8.48e-03	-0.40	-2.18e-03	0.0	2.85e-03	0.30
						261.5	8.48e-03	-0.07	-2.18e-03	0.0	0.0	0.0
36	49	0.69	0.0	0.02	0.66	0.0	-7.75e-03	-0.58	2.18e-03	0.0	-5.71e-03	0.69
		-7.63e-03	-5.71e-03	3.20e-04	0.0	130.8	-7.75e-03	-0.26	2.18e-03	0.0	-2.86e-03	0.13
						261.5	-7.75e-03	0.07	2.18e-03	0.0	0.0	0.0
36	50	0.67	0.0	0.02	0.66	0.0	-5.36e-03	-0.59	1.71e-03	0.0	-4.46e-03	0.67
		-0.01	-4.46e-03	2.69e-04	0.0	130.8	-5.36e-03	-0.26	1.71e-03	0.0	-2.23e-03	0.12
						261.5	-5.36e-03	0.06	1.71e-03	0.0	0.0	0.0
36	51	1.05	4.46e-03	-7.92e-03	0.66	0.0	7.95e-03	-0.72	-1.70e-03	0.0	4.46e-03	1.05
		0.0	0.0	-2.69e-04	0.0	130.8	7.95e-03	-0.39	-1.70e-03	0.0	2.23e-03	0.31
						261.5	7.95e-03	-0.06	-1.70e-03	0.0	0.0	0.0
36	52	1.03	5.70e-03	-8.40e-03	0.66	0.0	0.01	-0.73	-2.18e-03	0.0	5.70e-03	1.03
		0.0	0.0	-3.20e-04	0.0	130.8	0.01	-0.40	-2.18e-03	0.0	2.85e-03	0.30

						261.5	0.01	-0.07	-2.18e-03	0.0	0.0	0.0
36	78	4.19	0.0	0.02	3.21	0.0	5.97e-03	-3.21	7.93e-06	0.0	-2.07e-05	4.19
		0.0	-2.07e-05	0.0	0.0	130.8	5.97e-03	-1.60	7.93e-06	0.0	-1.04e-05	1.05
						261.5	5.97e-03	0.0	7.93e-06	0.0	0.0	0.0
36	81	0.0	6.91e-06	-0.02	-2.72	0.0	-1.99e-03	2.72	-2.64e-06	0.0	6.91e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-1.99e-03	1.36	-2.64e-06	0.0	3.46e-06	-0.89
						261.5	-1.99e-03	0.0	-2.64e-06	0.0	0.0	0.0
36	84	1.52	0.0	8.18e-03	1.17	0.0	2.23e-03	-1.17	2.96e-06	0.0	-7.75e-06	1.52
		0.0	-7.75e-06	0.0	0.0	130.8	2.23e-03	-0.58	2.96e-06	0.0	-3.87e-06	0.38
						261.5	2.23e-03	0.0	2.96e-06	0.0	0.0	0.0
36	85	0.0	0.0	-1.34e-04	-0.02	0.0	6.39e-04	0.02	0.0	0.0	-2.22e-06	-0.03
		-0.03	-2.22e-06	0.0	0.0	130.8	6.39e-04	9.57e-03	0.0	0.0	-1.11e-06	-6.26e-03
						261.5	6.39e-04	0.0	0.0	0.0	0.0	0.0
36	87	0.86	0.0	4.60e-03	0.66	0.0	1.30e-03	-0.66	1.72e-06	0.0	-4.50e-06	0.86
		0.0	-4.50e-06	0.0	0.0	130.8	1.30e-03	-0.33	1.72e-06	0.0	-2.25e-06	0.21
						261.5	1.30e-03	0.0	1.72e-06	0.0	0.0	0.0
37	3	6.22	0.0	-0.03	4.75	0.0	8.84e-03	0.0	-1.17e-05	0.0	0.0	0.0
		0.0	-3.07e-05	0.0	0.0	130.8	8.84e-03	2.38	-1.17e-05	0.0	-1.53e-05	1.55
						261.5	8.84e-03	4.75	-1.17e-05	0.0	-3.07e-05	6.22
37	10	0.0	1.31e-05	0.03	-4.48	0.0	-3.78e-03	0.0	5.01e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-3.78e-03	-2.24	5.01e-06	0.0	6.55e-06	-1.46
						261.5	-3.78e-03	-4.48	5.01e-06	0.0	1.31e-05	-5.86
37	12	7.19	0.0	-0.04	5.50	0.0	9.56e-03	0.0	-1.27e-05	0.0	0.0	0.0
		0.0	-3.32e-05	0.0	0.0	130.8	9.56e-03	2.75	-1.27e-05	0.0	-1.66e-05	1.80
						261.5	9.56e-03	5.50	-1.27e-05	0.0	-3.32e-05	7.19
37	14	1.28	0.01	0.03	0.66	0.0	0.02	0.16	4.95e-03	0.0	0.0	0.0
		0.0	0.0	7.36e-04	0.0	130.8	0.02	0.49	4.95e-03	0.0	6.47e-03	0.43
						261.5	0.02	0.82	4.95e-03	0.0	0.01	1.28
37	15	0.43	0.0	-0.04	0.66	0.0	-0.02	-0.16	-4.95e-03	0.0	0.0	0.0
		-0.05	-0.01	-7.36e-04	0.0	130.8	-0.02	0.17	-4.95e-03	0.0	-6.48e-03	2.84e-03
						261.5	-0.02	0.49	-4.95e-03	0.0	-0.01	0.43
37	46	1.05	5.70e-03	8.40e-03	0.66	0.0	0.01	0.07	2.18e-03	0.0	0.0	0.0
		0.0	0.0	3.20e-04	0.0	130.8	0.01	0.40	2.18e-03	0.0	2.85e-03	0.31
						261.5	0.01	0.73	2.18e-03	0.0	5.70e-03	1.05
37	47	0.67	0.0	-0.02	0.66	0.0	-7.75e-03	-0.07	-2.18e-03	0.0	0.0	0.0
		-0.01	-5.71e-03	-3.20e-04	0.0	130.8	-7.75e-03	0.26	-2.18e-03	0.0	-2.86e-03	0.12
						261.5	-7.75e-03	0.58	-2.18e-03	0.0	-5.71e-03	0.67
37	49	1.03	5.71e-03	7.97e-03	0.66	0.0	8.48e-03	0.06	2.18e-03	0.0	0.0	0.0
		0.0	0.0	3.20e-04	0.0	130.8	8.48e-03	0.39	2.18e-03	0.0	2.85e-03	0.30
						261.5	8.48e-03	0.72	2.18e-03	0.0	5.71e-03	1.03
37	52	0.69	0.0	-0.02	0.66	0.0	-5.89e-03	-0.06	-2.19e-03	0.0	0.0	0.0
		-7.73e-03	-5.72e-03	-3.20e-04	0.0	130.8	-5.89e-03	0.26	-2.19e-03	0.0	-2.86e-03	0.13
						261.5	-5.89e-03	0.59	-2.19e-03	0.0	-5.72e-03	0.69
37	78	4.19	0.0	-0.02	3.21	0.0	5.97e-03	0.0	-7.93e-06	0.0	0.0	0.0
		0.0	-2.07e-05	0.0	0.0	130.8	5.97e-03	1.60	-7.93e-06	0.0	-1.04e-05	1.05
						261.5	5.97e-03	3.21	-7.93e-06	0.0	-2.07e-05	4.19
37	81	0.0	6.91e-06	0.02	-2.72	0.0	-1.99e-03	0.0	2.64e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-1.99e-03	-1.36	2.64e-06	0.0	3.45e-06	-0.89
						261.5	-1.99e-03	-2.72	2.64e-06	0.0	6.91e-06	-3.55
37	84	1.52	0.0	-8.18e-03	1.17	0.0	2.23e-03	0.0	-2.96e-06	0.0	0.0	0.0
		0.0	-7.75e-06	0.0	0.0	130.8	2.23e-03	0.58	-2.96e-06	0.0	-3.87e-06	0.38
						261.5	2.23e-03	1.17	-2.96e-06	0.0	-7.75e-06	1.52
37	85	0.0	0.0	1.34e-04	-0.02	0.0	6.39e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	-2.22e-06	0.0	0.0	130.8	6.39e-04	-9.57e-03	0.0	0.0	-1.11e-06	-6.26e-03
						261.5	6.39e-04	-0.02	0.0	0.0	-2.22e-06	-0.03
37	87	0.86	0.0	-4.60e-03	0.66	0.0	1.30e-03	0.0	-1.72e-06	0.0	0.0	0.0
		0.0	-4.50e-06	0.0	0.0	130.8	1.30e-03	0.33	-1.72e-06	0.0	-2.25e-06	0.21
						261.5	1.30e-03	0.66	-1.72e-06	0.0	-4.50e-06	0.86
38	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	-3.22e-06	0.0	0.0	0.0
		0.0	-8.41e-06	0.0	0.0	130.8	0.01	2.38	-3.22e-06	0.0	-4.20e-06	1.55
						261.5	0.01	4.75	-3.22e-06	0.0	-8.41e-06	6.22
38	10	0.0	3.59e-06	0.03	-4.48	0.0	-5.26e-03	0.0	1.37e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-5.26e-03	-2.24	1.37e-06	0.0	1.80e-06	-1.46
						261.5	-5.26e-03	-4.48	1.37e-06	0.0	3.59e-06	-5.86
38	12	7.19	0.0	-0.04	5.50	0.0	0.01	0.0	-3.48e-06	0.0	0.0	0.0
		0.0	-9.10e-06	0.0	0.0	130.8	0.01	2.75	-3.48e-06	0.0	-4.55e-06	1.80
						261.5	0.01	5.50	-3.48e-06	0.0	-9.10e-06	7.19
38	13	0.26	0.0	0.03	0.66	0.0	2.94e-03	-0.23	-9.05e-04	0.0	0.0	0.0
		-0.10	-2.37e-03	5.84e-04	0.0	130.8	2.94e-03	0.10	-9.05e-04	0.0	-1.18e-03	-0.08
						261.5	2.94e-03	0.43	-9.05e-04	0.0	-2.37e-03	0.26
38	14	0.34	0.0	0.03	0.66	0.0	4.16e-03	-0.20	-1.35e-03	0.0	0.0	0.0
		-0.08	-3.54e-03	7.36e-04	0.0	130.8	4.16e-03	0.13	-1.35e-03	0.0	-1.77e-03	-0.05
						261.5	4.16e-03	0.46	-1.35e-03	0.0	-3.54e-03	0.34
38	15	1.38	3.54e-03	-0.03	0.66	0.0	-5.46e-04	0.20	1.35e-03	0.0	0.0	0.0
		0.0	0.0	-7.36e-04	0.0	130.8	-5.46e-04	0.53	1.35e-03	0.0	1.77e-03	0.47
						261.5	-5.46e-04	0.85	1.35e-03	0.0	3.54e-03	1.38
38	16	1.45	2.36e-03	-0.04	0.66	0.0	6.77e-04	0.23	9.04e-04	0.0	0.0	0.0

		0.0	0.0	-5.84e-04	0.0	130.8	6.77e-04	0.56	9.04e-04	0.0	1.18e-03	0.51
						261.5	6.77e-04	0.88	9.04e-04	0.0	2.36e-03	1.45
38	42	1.06	6.69e-04	4.91e-03	0.66	0.0	4.84e-03	0.08	2.56e-04	0.0	0.0	0.0
		0.0	0.0	-4.91e-04	0.0	130.8	4.84e-03	0.41	2.56e-04	0.0	3.35e-04	0.32
						261.5	4.84e-03	0.73	2.56e-04	0.0	6.69e-04	1.06
38	43	0.65	0.0	-0.01	0.66	0.0	-1.22e-03	-0.08	-2.57e-04	0.0	0.0	0.0
		-0.01	-6.72e-04	4.91e-04	0.0	130.8	-1.22e-03	0.25	-2.57e-04	0.0	-3.36e-04	0.11
						261.5	-1.22e-03	0.58	-2.57e-04	0.0	-6.72e-04	0.65
38	46	0.61	0.0	8.55e-03	0.66	0.0	2.85e-03	-0.10	-5.97e-04	0.0	0.0	0.0
		-0.02	-1.56e-03	3.20e-04	0.0	130.8	2.85e-03	0.23	-5.97e-04	0.0	-7.80e-04	0.09
						261.5	2.85e-03	0.56	-5.97e-04	0.0	-1.56e-03	0.61
38	47	1.11	1.56e-03	-0.02	0.66	0.0	7.68e-04	0.10	5.96e-04	0.0	0.0	0.0
		0.0	0.0	-3.20e-04	0.0	130.8	7.68e-04	0.42	5.96e-04	0.0	7.79e-04	0.34
						261.5	7.68e-04	0.75	5.96e-04	0.0	1.56e-03	1.11
38	49	0.58	0.0	8.60e-03	0.66	0.0	2.32e-03	-0.10	-5.96e-04	0.0	0.0	0.0
		-0.02	-1.56e-03	3.20e-04	0.0	130.8	2.32e-03	0.22	-5.96e-04	0.0	-7.79e-04	0.08
						261.5	2.32e-03	0.55	-5.96e-04	0.0	-1.56e-03	0.58
38	52	1.13	1.56e-03	-0.02	0.66	0.0	1.29e-03	0.10	5.95e-04	0.0	0.0	0.0
		0.0	0.0	-3.20e-04	0.0	130.8	1.29e-03	0.43	5.95e-04	0.0	7.78e-04	0.35
						261.5	1.29e-03	0.76	5.95e-04	0.0	1.56e-03	1.13
38	74	0.95	3.16e-04	-1.14e-03	0.66	0.0	3.27e-03	0.04	1.21e-04	0.0	0.0	0.0
		0.0	0.0	-2.25e-04	0.0	130.8	3.27e-03	0.37	1.21e-04	0.0	1.58e-04	0.26
						261.5	3.27e-03	0.69	1.21e-04	0.0	3.16e-04	0.95
38	75	0.76	0.0	-8.77e-03	0.66	0.0	3.43e-04	-0.04	-1.22e-04	0.0	0.0	0.0
		-2.75e-03	-3.18e-04	2.25e-04	0.0	130.8	3.43e-04	0.29	-1.22e-04	0.0	-1.59e-04	0.17
						261.5	3.43e-04	0.62	-1.22e-04	0.0	-3.18e-04	0.76
38	78	4.19	0.0	-0.02	3.21	0.0	8.33e-03	0.0	-2.17e-06	0.0	0.0	0.0
		0.0	-5.68e-06	0.0	0.0	130.8	8.33e-03	1.60	-2.17e-06	0.0	-2.84e-06	1.05
						261.5	8.33e-03	3.21	-2.17e-06	0.0	-5.68e-06	4.19
38	81	0.0	1.89e-06	0.02	-2.72	0.0	-2.78e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-2.78e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	-2.72	0.0	0.0	1.89e-06	-3.55
38	84	1.52	0.0	-8.18e-03	1.17	0.0	3.11e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-2.12e-06	0.0	0.0	130.8	3.11e-03	0.58	0.0	0.0	-1.06e-06	0.38
						261.5	3.11e-03	1.17	0.0	0.0	-2.12e-06	1.52
38	85	0.0	0.0	1.34e-04	-0.02	0.0	8.91e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	-0.02	0.0	0.0	0.0	-0.03
38	87	0.86	0.0	-4.60e-03	0.66	0.0	1.81e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-1.23e-06	0.0	0.0	130.8	1.81e-03	0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.66	0.0	0.0	-1.23e-06	0.86
39	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	3.22e-06	0.0	-8.41e-06	6.22
		0.0	-8.41e-06	0.0	0.0	130.8	0.01	-2.38	3.22e-06	0.0	-4.20e-06	1.55
						261.5	0.01	0.0	3.22e-06	0.0	0.0	0.0
39	10	0.0	3.59e-06	-0.03	-4.48	0.0	-5.26e-03	4.48	-1.37e-06	0.0	3.59e-06	-5.86
		-5.86	0.0	0.0	0.0	130.8	-5.26e-03	2.24	-1.37e-06	0.0	1.80e-06	-1.46
						261.5	-5.26e-03	0.0	-1.37e-06	0.0	0.0	0.0
39	12	7.19	0.0	0.04	5.50	0.0	0.01	-5.50	3.48e-06	0.0	-9.10e-06	7.19
		0.0	-9.10e-06	0.0	0.0	130.8	0.01	-2.75	3.48e-06	0.0	-4.55e-06	1.80
						261.5	0.01	0.0	3.48e-06	0.0	0.0	0.0
39	13	0.26	2.37e-03	0.04	0.66	0.0	-1.05e-03	-0.43	-9.06e-04	0.0	2.37e-03	0.26
		-0.10	0.0	5.86e-04	0.0	130.8	-1.05e-03	-0.10	-9.06e-04	0.0	1.18e-03	-0.08
						261.5	-1.05e-03	0.23	-9.06e-04	0.0	0.0	0.0
39	14	0.34	3.53e-03	0.04	0.66	0.0	1.18e-03	-0.46	-1.35e-03	0.0	3.53e-03	0.34
		-0.08	0.0	7.34e-04	0.0	130.8	1.18e-03	-0.13	-1.35e-03	0.0	1.77e-03	-0.04
						261.5	1.18e-03	0.20	-1.35e-03	0.0	0.0	0.0
39	15	1.37	0.0	-0.03	0.66	0.0	2.43e-03	-0.85	1.35e-03	0.0	-3.53e-03	1.37
		0.0	-3.53e-03	-7.34e-04	0.0	130.8	2.43e-03	-0.53	1.35e-03	0.0	-1.77e-03	0.47
						261.5	2.43e-03	-0.20	1.35e-03	0.0	0.0	0.0
39	16	1.45	0.0	-0.03	0.66	0.0	4.67e-03	-0.88	9.07e-04	0.0	-2.37e-03	1.45
		0.0	-2.37e-03	-5.86e-04	0.0	130.8	4.67e-03	-0.56	9.07e-04	0.0	-1.19e-03	0.51
						261.5	4.67e-03	-0.23	9.07e-04	0.0	0.0	0.0
39	33	0.60	0.0	0.02	0.66	0.0	-2.54e-03	-0.56	5.62e-04	0.0	-1.47e-03	0.60
		-0.02	-1.47e-03	-5.64e-04	0.0	130.8	-2.54e-03	-0.23	5.62e-04	0.0	-7.35e-04	0.08
						261.5	-2.54e-03	0.10	5.62e-04	0.0	0.0	0.0
39	36	1.12	1.47e-03	-6.01e-03	0.66	0.0	6.16e-03	-0.76	-5.61e-04	0.0	1.47e-03	1.12
		0.0	0.0	5.64e-04	0.0	130.8	6.16e-03	-0.43	-5.61e-04	0.0	7.34e-04	0.34
						261.5	6.16e-03	-0.10	-5.61e-04	0.0	0.0	0.0
39	45	0.58	1.23e-03	0.02	0.66	0.0	5.96e-04	-0.56	-4.69e-04	0.0	1.23e-03	0.58
		-0.02	0.0	2.69e-04	0.0	130.8	5.96e-04	-0.23	-4.69e-04	0.0	6.13e-04	0.08
						261.5	5.96e-04	0.10	-4.69e-04	0.0	0.0	0.0
39	48	1.13	0.0	-9.06e-03	0.66	0.0	3.02e-03	-0.75	4.70e-04	0.0	-1.23e-03	1.13
		0.0	-1.23e-03	-2.70e-04	0.0	130.8	3.02e-03	-0.42	4.70e-04	0.0	-6.14e-04	0.35
						261.5	3.02e-03	-0.10	4.70e-04	0.0	0.0	0.0
39	49	0.61	1.56e-03	0.02	0.66	0.0	7.68e-04	-0.55	-5.96e-04	0.0	1.56e-03	0.61
		-0.02	0.0	3.20e-04	0.0	130.8	7.68e-04	-0.22	-5.96e-04	0.0	7.79e-04	0.09
						261.5	7.68e-04	0.10	-5.96e-04	0.0	0.0	0.0

39	52	1.11	0.0	-8.55e-03	0.66	0.0	2.85e-03	-0.76	5.97e-04	0.0	-1.56e-03	1.11
		0.0	-1.56e-03	-3.20e-04	0.0	130.8	2.85e-03	-0.43	5.97e-04	0.0	-7.80e-04	0.34
						261.5	2.85e-03	-0.10	5.97e-04	0.0	0.0	0.0
39	65	0.76	0.0	8.77e-03	0.66	0.0	3.43e-04	-0.65	1.22e-04	0.0	-3.18e-04	0.76
		-2.75e-03	-3.18e-04	-2.25e-04	0.0	130.8	3.43e-04	-0.32	1.22e-04	0.0	-1.59e-04	0.17
						261.5	3.43e-04	8.51e-03	1.22e-04	0.0	0.0	0.0
39	68	0.95	3.16e-04	-7.07e-04	0.66	0.0	3.27e-03	-0.66	-1.21e-04	0.0	3.16e-04	0.95
		0.0	0.0	2.25e-04	0.0	130.8	3.27e-03	-0.34	-1.21e-04	0.0	1.58e-04	0.26
						261.5	3.27e-03	-8.51e-03	-1.21e-04	0.0	0.0	0.0
39	78	4.19	0.0	0.02	3.21	0.0	8.33e-03	-3.21	2.17e-06	0.0	-5.68e-06	4.19
		0.0	-5.68e-06	0.0	0.0	130.8	8.33e-03	-1.60	2.17e-06	0.0	-2.84e-06	1.05
						261.5	8.33e-03	0.0	2.17e-06	0.0	0.0	0.0
39	81	0.0	1.89e-06	-0.02	-2.72	0.0	-2.78e-03	2.72	0.0	0.0	1.89e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-2.78e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	0.0	0.0	0.0	0.0	0.0
39	84	1.52	0.0	8.18e-03	1.17	0.0	3.11e-03	-1.17	0.0	0.0	-2.12e-06	1.52
		0.0	-2.12e-06	0.0	0.0	130.8	3.11e-03	-0.58	0.0	0.0	-1.06e-06	0.38
						261.5	3.11e-03	0.0	0.0	0.0	0.0	0.0
39	85	0.0	0.0	-1.34e-04	-0.02	0.0	8.91e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	0.0	0.0	0.0	0.0	0.0
39	87	0.86	0.0	4.60e-03	0.66	0.0	1.81e-03	-0.66	0.0	0.0	-1.23e-06	0.86
		0.0	-1.23e-06	0.0	0.0	130.8	1.81e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.0	0.0	0.0	0.0	0.0
40	3	6.22	8.41e-06	0.03	4.75	0.0	0.01	-4.75	-3.22e-06	0.0	8.41e-06	6.22
		0.0	0.0	0.0	0.0	130.8	0.01	-2.38	-3.22e-06	0.0	4.20e-06	1.55
						261.5	0.01	0.0	-3.22e-06	0.0	0.0	0.0
40	10	0.0	0.0	-0.03	-4.48	0.0	-5.26e-03	4.48	1.37e-06	0.0	-3.59e-06	-5.86
		-5.86	-3.59e-06	0.0	0.0	130.8	-5.26e-03	2.24	1.37e-06	0.0	-1.80e-06	-1.46
						261.5	-5.26e-03	0.0	1.37e-06	0.0	0.0	0.0
40	12	7.19	9.10e-06	0.04	5.50	0.0	0.01	-5.50	-3.48e-06	0.0	9.10e-06	7.19
		0.0	0.0	0.0	0.0	130.8	0.01	-2.75	-3.48e-06	0.0	4.55e-06	1.80
						261.5	0.01	0.0	-3.48e-06	0.0	0.0	0.0
40	13	0.23	0.0	0.03	0.66	0.0	-5.15e-04	-0.42	5.66e-04	0.0	-1.48e-03	0.23
		-0.11	-1.48e-03	5.86e-04	0.0	130.8	-5.15e-04	-0.09	5.66e-04	0.0	-7.40e-04	-0.10
						261.5	-5.15e-04	0.24	5.66e-04	0.0	0.0	0.0
40	14	0.31	0.0	0.04	0.66	0.0	-2.16e-03	-0.45	7.32e-04	0.0	-1.91e-03	0.31
		-0.09	-1.91e-03	7.34e-04	0.0	130.8	-2.16e-03	-0.12	7.32e-04	0.0	-9.57e-04	-0.06
						261.5	-2.16e-03	0.21	7.32e-04	0.0	0.0	0.0
40	15	1.40	1.92e-03	-0.03	0.66	0.0	5.77e-03	-0.86	-7.33e-04	0.0	1.92e-03	1.40
		0.0	0.0	-7.34e-04	0.0	130.8	5.77e-03	-0.54	-7.33e-04	0.0	9.58e-04	0.49
						261.5	5.77e-03	-0.21	-7.33e-04	0.0	0.0	0.0
40	16	1.48	1.48e-03	-0.03	0.66	0.0	4.13e-03	-0.89	-5.67e-04	0.0	1.48e-03	1.48
		0.0	0.0	-5.86e-04	0.0	130.8	4.13e-03	-0.57	-5.67e-04	0.0	7.41e-04	0.53
						261.5	4.13e-03	-0.24	-5.67e-04	0.0	0.0	0.0
40	45	0.57	0.0	0.02	0.66	0.0	5.88e-04	-0.55	2.79e-04	0.0	-7.30e-04	0.57
		-0.02	-7.30e-04	2.70e-04	0.0	130.8	5.88e-04	-0.23	2.79e-04	0.0	-3.65e-04	0.07
						261.5	5.88e-04	0.10	2.79e-04	0.0	0.0	0.0
40	46	0.59	0.0	0.02	0.66	0.0	5.69e-05	-0.55	3.28e-04	0.0	-8.58e-04	0.59
		-0.02	-8.58e-04	3.20e-04	0.0	130.8	5.69e-05	-0.22	3.28e-04	0.0	-4.29e-04	0.08
						261.5	5.69e-05	0.11	3.28e-04	0.0	0.0	0.0
40	47	1.12	8.61e-04	-8.93e-03	0.66	0.0	3.56e-03	-0.77	-3.29e-04	0.0	8.61e-04	1.12
		0.0	0.0	-3.20e-04	0.0	130.8	3.56e-03	-0.44	-3.29e-04	0.0	4.30e-04	0.35
						261.5	3.56e-03	-0.11	-3.29e-04	0.0	0.0	0.0
40	48	1.14	7.33e-04	-8.55e-03	0.66	0.0	3.03e-03	-0.76	-2.80e-04	0.0	7.33e-04	1.14
		0.0	0.0	-2.70e-04	0.0	130.8	3.03e-03	-0.43	-2.80e-04	0.0	3.66e-04	0.36
						261.5	3.03e-03	-0.10	-2.80e-04	0.0	0.0	0.0
40	78	4.19	5.68e-06	0.02	3.21	0.0	8.33e-03	-3.21	-2.17e-06	0.0	5.68e-06	4.19
		0.0	0.0	0.0	0.0	130.8	8.33e-03	-1.60	-2.17e-06	0.0	2.84e-06	1.05
						261.5	8.33e-03	0.0	-2.17e-06	0.0	0.0	0.0
40	81	0.0	0.0	-0.02	-2.72	0.0	-2.78e-03	2.72	0.0	0.0	-1.89e-06	-3.55
		-3.55	-1.89e-06	0.0	0.0	130.8	-2.78e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	0.0	0.0	0.0	0.0	0.0
40	84	1.52	2.12e-06	8.18e-03	1.17	0.0	3.11e-03	-1.17	0.0	0.0	2.12e-06	1.52
		0.0	0.0	0.0	0.0	130.8	3.11e-03	-0.58	0.0	0.0	1.06e-06	0.38
						261.5	3.11e-03	0.0	0.0	0.0	0.0	0.0
40	85	0.0	0.0	-1.34e-04	-0.02	0.0	8.91e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	0.0	0.0	0.0	0.0	0.0
40	87	0.86	1.23e-06	4.60e-03	0.66	0.0	1.81e-03	-0.66	0.0	0.0	1.23e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.81e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.0	0.0	0.0	0.0	0.0
41	3	6.22	8.41e-06	-0.03	4.75	0.0	0.01	0.0	3.22e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.38	3.22e-06	0.0	4.20e-06	1.55
						261.5	0.01	4.75	3.22e-06	0.0	8.41e-06	6.22
41	10	0.0	0.0	0.03	-4.48	0.0	-5.26e-03	0.0	-1.37e-06	0.0	0.0	0.0
		-5.86	-3.59e-06	0.0	0.0	130.8	-5.26e-03	-2.24	-1.37e-06	0.0	-1.80e-06	-1.46

						261.5	-5.26e-03	-4.48	-1.37e-06	0.0	-3.59e-06	-5.86
41	12	7.19	9.10e-06	-0.04	5.50	0.0	0.01	0.0	3.48e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.75	3.48e-06	0.0	4.55e-06	1.80
						261.5	0.01	5.50	3.48e-06	0.0	9.10e-06	7.19
41	14	1.48	1.91e-03	0.03	0.66	0.0	4.44e-03	0.24	7.30e-04	0.0	0.0	0.0
		0.0	0.0	7.36e-04	0.0	130.8	4.44e-03	0.57	7.30e-04	0.0	9.55e-04	0.52
						261.5	4.44e-03	0.89	7.30e-04	0.0	1.91e-03	1.48
41	15	0.24	0.0	-0.04	0.66	0.0	-8.26e-04	-0.24	-7.29e-04	0.0	0.0	0.0
		-0.11	-1.91e-03	-7.36e-04	0.0	130.8	-8.26e-04	0.09	-7.29e-04	0.0	-9.54e-04	-0.10
						261.5	-8.26e-04	0.42	-7.29e-04	0.0	-1.91e-03	0.24
41	17	1.42	1.83e-03	0.03	0.66	0.0	5.50e-03	0.23	7.00e-04	0.0	0.0	0.0
		0.0	0.0	7.12e-04	0.0	130.8	5.50e-03	0.56	7.00e-04	0.0	9.16e-04	0.50
						261.5	5.50e-03	0.89	7.00e-04	0.0	1.83e-03	1.42
41	20	0.29	0.0	-0.04	0.66	0.0	-1.89e-03	-0.23	-6.99e-04	0.0	0.0	0.0
		-0.09	-1.83e-03	-7.12e-04	0.0	130.8	-1.89e-03	0.09	-6.99e-04	0.0	-9.14e-04	-0.07
						261.5	-1.89e-03	0.42	-6.99e-04	0.0	-1.83e-03	0.29
41	49	1.12	8.61e-04	8.93e-03	0.66	0.0	3.56e-03	0.11	3.29e-04	0.0	0.0	0.0
		0.0	0.0	3.20e-04	0.0	130.8	3.56e-03	0.44	3.29e-04	0.0	4.30e-04	0.35
						261.5	3.56e-03	0.77	3.29e-04	0.0	8.61e-04	1.12
41	50	1.14	7.33e-04	8.55e-03	0.66	0.0	3.03e-03	0.10	2.80e-04	0.0	0.0	0.0
		0.0	0.0	2.70e-04	0.0	130.8	3.03e-03	0.43	2.80e-04	0.0	3.66e-04	0.36
						261.5	3.03e-03	0.76	2.80e-04	0.0	7.33e-04	1.14
41	51	0.57	0.0	-0.02	0.66	0.0	5.88e-04	-0.10	-2.79e-04	0.0	0.0	0.0
		-0.02	-7.30e-04	-2.70e-04	0.0	130.8	5.88e-04	0.23	-2.79e-04	0.0	-3.65e-04	0.07
						261.5	5.88e-04	0.55	-2.79e-04	0.0	-7.30e-04	0.57
41	52	0.59	0.0	-0.02	0.66	0.0	5.69e-05	-0.11	-3.28e-04	0.0	0.0	0.0
		-0.02	-8.58e-04	-3.20e-04	0.0	130.8	5.69e-05	0.22	-3.28e-04	0.0	-4.29e-04	0.08
						261.5	5.69e-05	0.55	-3.28e-04	0.0	-8.58e-04	0.59
41	78	4.19	5.68e-06	-0.02	3.21	0.0	8.33e-03	0.0	2.17e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	8.33e-03	1.60	2.17e-06	0.0	2.84e-06	1.05
						261.5	8.33e-03	3.21	2.17e-06	0.0	5.68e-06	4.19
41	81	0.0	0.0	0.02	-2.72	0.0	-2.78e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	-1.89e-06	0.0	0.0	130.8	-2.78e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	-2.72	0.0	0.0	-1.89e-06	-3.55
41	84	1.52	2.12e-06	-8.18e-03	1.17	0.0	3.11e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.11e-03	0.58	0.0	0.0	1.06e-06	0.38
						261.5	3.11e-03	1.17	0.0	0.0	2.12e-06	1.52
41	85	0.0	0.0	1.34e-04	-0.02	0.0	8.91e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	-0.02	0.0	0.0	0.0	-0.03
41	87	0.86	1.23e-06	-4.60e-03	0.66	0.0	1.81e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.81e-03	0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.66	0.0	0.0	1.23e-06	0.86
42	3	6.22	3.07e-05	-0.03	4.75	0.0	8.84e-03	0.0	1.17e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	8.84e-03	2.38	1.17e-05	0.0	1.53e-05	1.55
						261.5	8.84e-03	4.75	1.17e-05	0.0	3.07e-05	6.22
42	10	0.0	0.0	0.03	-4.48	0.0	-3.78e-03	0.0	-5.01e-06	0.0	0.0	0.0
		-5.86	-1.31e-05	0.0	0.0	130.8	-3.78e-03	-2.24	-5.01e-06	0.0	-6.55e-06	-1.46
						261.5	-3.78e-03	-4.48	-5.01e-06	0.0	-1.31e-05	-5.86
42	12	7.19	3.32e-05	-0.04	5.50	0.0	9.56e-03	0.0	1.27e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	9.56e-03	2.75	1.27e-05	0.0	1.66e-05	1.80
						261.5	9.56e-03	5.50	1.27e-05	0.0	3.32e-05	7.19
42	14	1.32	0.0	0.02	0.66	0.0	8.42e-03	-0.16	-1.88e-03	0.0	0.0	0.0
		0.0	-4.92e-03	7.36e-04	0.0	130.8	8.42e-03	0.17	-1.88e-03	0.0	-2.46e-03	0.45
						261.5	8.42e-03	0.50	-1.88e-03	0.0	-4.92e-03	1.32
42	15	0.39	4.93e-03	-0.03	0.66	0.0	-5.83e-03	0.16	1.89e-03	0.0	0.0	0.0
		-0.06	0.0	-7.37e-04	0.0	130.8	-5.83e-03	0.49	1.89e-03	0.0	2.46e-03	-0.02
						261.5	-5.83e-03	0.81	1.89e-03	0.0	4.93e-03	0.39
42	17	1.28	0.0	0.02	0.66	0.0	9.96e-03	-0.17	-1.84e-03	0.0	0.0	0.0
		0.0	-4.80e-03	7.12e-04	0.0	130.8	9.96e-03	0.15	-1.84e-03	0.0	-2.40e-03	0.42
						261.5	9.96e-03	0.48	-1.84e-03	0.0	-4.80e-03	1.28
42	20	0.44	4.81e-03	-0.03	0.66	0.0	-7.36e-03	0.17	1.84e-03	0.0	0.0	0.0
		-0.05	0.0	-7.12e-04	0.0	130.8	-7.36e-03	0.50	1.84e-03	0.0	2.40e-03	4.46e-03
						261.5	-7.36e-03	0.83	1.84e-03	0.0	4.81e-03	0.44
42	46	1.07	0.0	7.74e-03	0.66	0.0	4.71e-03	-0.08	-8.70e-04	0.0	0.0	0.0
		0.0	-2.27e-03	3.20e-04	0.0	130.8	4.71e-03	0.25	-8.70e-04	0.0	-1.14e-03	0.32
						261.5	4.71e-03	0.57	-8.70e-04	0.0	-2.27e-03	1.07
42	47	0.65	2.28e-03	-0.02	0.66	0.0	-2.11e-03	0.08	8.73e-04	0.0	0.0	0.0
		-0.01	0.0	-3.21e-04	0.0	130.8	-2.11e-03	0.41	8.73e-04	0.0	1.14e-03	0.11
						261.5	-2.11e-03	0.74	8.73e-04	0.0	2.28e-03	0.65
42	49	1.05	0.0	7.89e-03	0.66	0.0	5.37e-03	-0.08	-8.68e-04	0.0	0.0	0.0
		0.0	-2.27e-03	3.20e-04	0.0	130.8	5.37e-03	0.25	-8.68e-04	0.0	-1.14e-03	0.31
						261.5	5.37e-03	0.57	-8.68e-04	0.0	-2.27e-03	1.05
42	50	1.07	0.0	7.64e-03	0.66	0.0	4.47e-03	-0.07	-7.97e-04	0.0	0.0	0.0
		0.0	-2.08e-03	2.70e-04	0.0	130.8	4.47e-03	0.25	-7.97e-04	0.0	-1.04e-03	0.32
						261.5	4.47e-03	0.58	-7.97e-04	0.0	-2.08e-03	1.07
42	51	0.64	2.09e-03	-0.02	0.66	0.0	-1.88e-03	0.07	8.00e-04	0.0	0.0	0.0

		-0.01	0.0	-2.70e-04	0.0	130.8	-1.88e-03	0.40	8.00e-04	0.0	1.05e-03	0.11
						261.5	-1.88e-03	0.73	8.00e-04	0.0	2.09e-03	0.64
42	52	0.66	2.28e-03	-0.02	0.66	0.0	-2.78e-03	0.08	8.72e-04	0.0	0.0	0.0
		-0.01	0.0	-3.20e-04	0.0	130.8	-2.78e-03	0.41	8.72e-04	0.0	1.14e-03	0.12
						261.5	-2.78e-03	0.74	8.72e-04	0.0	2.28e-03	0.66
42	78	4.19	2.07e-05	-0.02	3.21	0.0	5.97e-03	0.0	7.93e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	5.97e-03	1.60	7.93e-06	0.0	1.04e-05	1.05
						261.5	5.97e-03	3.21	7.93e-06	0.0	2.07e-05	4.19
42	81	0.0	0.0	0.02	-2.72	0.0	-1.99e-03	0.0	-2.64e-06	0.0	0.0	0.0
		-3.55	-6.91e-06	0.0	0.0	130.8	-1.99e-03	-1.36	-2.64e-06	0.0	-3.46e-06	-0.89
						261.5	-1.99e-03	-2.72	-2.64e-06	0.0	-6.91e-06	-3.55
42	84	1.52	7.75e-06	-8.18e-03	1.17	0.0	2.23e-03	0.0	2.96e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.23e-03	0.58	2.96e-06	0.0	3.87e-06	0.38
						261.5	2.23e-03	1.17	2.96e-06	0.0	7.75e-06	1.52
42	85	0.0	2.22e-06	1.34e-04	-0.02	0.0	6.39e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	6.39e-04	-9.57e-03	0.0	0.0	1.11e-06	-6.26e-03
						261.5	6.39e-04	-0.02	0.0	0.0	2.22e-06	-0.03
42	87	0.86	4.50e-06	-4.60e-03	0.66	0.0	1.30e-03	0.0	1.72e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.30e-03	0.33	1.72e-06	0.0	2.25e-06	0.21
						261.5	1.30e-03	0.66	1.72e-06	0.0	4.50e-06	0.86
43	3	6.22	3.07e-05	0.03	4.75	0.0	8.84e-03	-4.75	-1.17e-05	0.0	3.07e-05	6.22
		0.0	0.0	0.0	0.0	130.8	8.84e-03	-2.38	-1.17e-05	0.0	1.53e-05	1.55
						261.5	8.84e-03	0.0	-1.17e-05	0.0	0.0	0.0
43	10	0.0	0.0	-0.03	-4.48	0.0	-3.78e-03	4.48	5.01e-06	0.0	-1.31e-05	-5.86
		-5.86	-1.31e-05	0.0	0.0	130.8	-3.78e-03	2.24	5.01e-06	0.0	-6.55e-06	-1.46
						261.5	-3.78e-03	0.0	5.01e-06	0.0	0.0	0.0
43	12	7.19	3.32e-05	0.04	5.50	0.0	9.56e-03	-5.50	-1.27e-05	0.0	3.32e-05	7.19
		0.0	0.0	0.0	0.0	130.8	9.56e-03	-2.75	-1.27e-05	0.0	1.66e-05	1.80
						261.5	9.56e-03	0.0	-1.27e-05	0.0	0.0	0.0
43	14	1.33	4.91e-03	0.03	0.66	0.0	-7.75e-03	-0.83	-1.88e-03	0.0	4.91e-03	1.33
		0.0	0.0	7.34e-04	0.0	130.8	-7.75e-03	-0.51	-1.88e-03	0.0	2.46e-03	0.45
						261.5	-7.75e-03	-0.18	-1.88e-03	0.0	0.0	0.0
43	15	0.39	0.0	-0.02	0.66	0.0	0.01	-0.48	1.88e-03	0.0	-4.91e-03	0.39
		-0.06	-4.91e-03	-7.34e-04	0.0	130.8	0.01	-0.15	1.88e-03	0.0	-2.45e-03	-0.02
						261.5	0.01	0.18	1.88e-03	0.0	0.0	0.0
43	45	1.07	2.09e-03	0.02	0.66	0.0	-1.88e-03	-0.73	-8.00e-04	0.0	2.09e-03	1.07
		0.0	0.0	2.70e-04	0.0	130.8	-1.88e-03	-0.40	-8.00e-04	0.0	1.05e-03	0.32
						261.5	-1.88e-03	-0.07	-8.00e-04	0.0	0.0	0.0
43	46	1.05	2.28e-03	0.02	0.66	0.0	-2.78e-03	-0.74	-8.72e-04	0.0	2.28e-03	1.05
		0.0	0.0	3.20e-04	0.0	130.8	-2.78e-03	-0.41	-8.72e-04	0.0	1.14e-03	0.31
						261.5	-2.78e-03	-0.08	-8.72e-04	0.0	0.0	0.0
43	47	0.66	0.0	-7.89e-03	0.66	0.0	5.37e-03	-0.57	8.68e-04	0.0	-2.27e-03	0.66
		-0.01	-2.27e-03	-3.20e-04	0.0	130.8	5.37e-03	-0.25	8.68e-04	0.0	-1.14e-03	0.12
						261.5	5.37e-03	0.08	8.68e-04	0.0	0.0	0.0
43	48	0.64	0.0	-7.64e-03	0.66	0.0	4.47e-03	-0.58	7.97e-04	0.0	-2.08e-03	0.64
		-0.01	-2.08e-03	-2.70e-04	0.0	130.8	4.47e-03	-0.25	7.97e-04	0.0	-1.04e-03	0.11
						261.5	4.47e-03	0.07	7.97e-04	0.0	0.0	0.0
43	49	1.05	2.28e-03	0.02	0.66	0.0	-2.11e-03	-0.74	-8.73e-04	0.0	2.28e-03	1.05
		0.0	0.0	3.21e-04	0.0	130.8	-2.11e-03	-0.41	-8.73e-04	0.0	1.14e-03	0.31
						261.5	-2.11e-03	-0.08	-8.73e-04	0.0	0.0	0.0
43	52	0.66	0.0	-7.74e-03	0.66	0.0	4.71e-03	-0.57	8.70e-04	0.0	-2.27e-03	0.66
		-0.01	-2.27e-03	-3.20e-04	0.0	130.8	4.71e-03	-0.25	8.70e-04	0.0	-1.14e-03	0.12
						261.5	4.71e-03	0.08	8.70e-04	0.0	0.0	0.0
43	78	4.19	2.07e-05	0.02	3.21	0.0	5.97e-03	-3.21	-7.93e-06	0.0	2.07e-05	4.19
		0.0	0.0	0.0	0.0	130.8	5.97e-03	-1.60	-7.93e-06	0.0	1.04e-05	1.05
						261.5	5.97e-03	0.0	-7.93e-06	0.0	0.0	0.0
43	81	0.0	0.0	-0.02	-2.72	0.0	-1.99e-03	2.72	2.64e-06	0.0	-6.91e-06	-3.55
		-3.55	-6.91e-06	0.0	0.0	130.8	-1.99e-03	1.36	2.64e-06	0.0	-3.46e-06	-0.89
						261.5	-1.99e-03	0.0	2.64e-06	0.0	0.0	0.0
43	84	1.52	7.75e-06	8.18e-03	1.17	0.0	2.23e-03	-1.17	-2.96e-06	0.0	7.75e-06	1.52
		0.0	0.0	0.0	0.0	130.8	2.23e-03	-0.58	-2.96e-06	0.0	3.87e-06	0.38
						261.5	2.23e-03	0.0	-2.96e-06	0.0	0.0	0.0
43	85	0.0	2.22e-06	-1.34e-04	-0.02	0.0	6.39e-04	0.02	0.0	0.0	2.22e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	6.39e-04	9.57e-03	0.0	0.0	1.11e-06	-6.26e-03
						261.5	6.39e-04	0.0	0.0	0.0	0.0	0.0
43	87	0.86	4.50e-06	4.60e-03	0.66	0.0	1.30e-03	-0.66	-1.72e-06	0.0	4.50e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.30e-03	-0.33	-1.72e-06	0.0	2.25e-06	0.21
						261.5	1.30e-03	0.0	-1.72e-06	0.0	0.0	0.0
44	3	3.31	6.67e-05	0.02	2.53	0.0	-0.01	-2.53	-2.55e-05	0.0	6.67e-05	3.31
		0.0	0.0	0.0	0.0	130.8	-0.01	-1.27	-2.55e-05	0.0	3.33e-05	0.83
						261.5	-0.01	0.0	-2.55e-05	0.0	0.0	0.0
44	10	0.0	0.0	-0.03	-4.65	0.0	5.53e-03	4.65	1.09e-05	0.0	-2.85e-05	-6.08
		-6.08	-2.85e-05	0.0	0.0	130.8	5.53e-03	2.33	1.09e-05	0.0	-1.42e-05	-1.52
						261.5	5.53e-03	0.0	1.09e-05	0.0	0.0	0.0
44	12	4.29	7.22e-05	0.02	3.28	0.0	-0.01	-3.28	-2.76e-05	0.0	7.22e-05	4.29
		0.0	0.0	0.0	0.0	130.8	-0.01	-1.64	-2.76e-05	0.0	3.61e-05	1.07
						261.5	-0.01	0.0	-2.76e-05	0.0	0.0	0.0

44	13	0.34	0.0	0.03	0.45	0.0	0.02	-0.54	6.28e-03	0.0	-0.02	0.34
		-0.03	-0.02	5.86e-04	0.0	130.8	0.02	-0.31	6.28e-03	0.0	-8.22e-03	0.02
						261.5	0.02	-0.09	6.28e-03	0.0	0.0	0.0
44	14	0.35	0.0	0.03	0.45	0.0	0.03	-0.54	7.12e-03	0.0	-0.02	0.35
		-0.02	-0.02	7.34e-04	0.0	130.8	0.03	-0.32	7.12e-03	0.0	-9.31e-03	0.03
						261.5	0.03	-0.09	7.12e-03	0.0	0.0	0.0
44	15	0.82	0.02	-0.02	0.45	0.0	-0.03	-0.35	-7.13e-03	0.0	0.02	0.82
		0.0	0.0	-7.34e-04	0.0	130.8	-0.03	-0.13	-7.13e-03	0.0	9.32e-03	0.26
						261.5	-0.03	0.09	-7.13e-03	0.0	0.0	0.0
44	16	0.83	0.02	-0.02	0.45	0.0	-0.02	-0.36	-6.29e-03	0.0	0.02	0.83
		0.0	0.0	-5.86e-04	0.0	130.8	-0.02	-0.13	-6.29e-03	0.0	8.23e-03	0.27
						261.5	-0.02	0.09	-6.29e-03	0.0	0.0	0.0
44	45	0.46	0.0	0.01	0.45	0.0	8.20e-03	-0.49	3.04e-03	0.0	-7.95e-03	0.46
		-5.96e-03	-7.95e-03	2.70e-04	0.0	130.8	8.20e-03	-0.27	3.04e-03	0.0	-3.97e-03	0.09
						261.5	8.20e-03	-0.05	3.04e-03	0.0	0.0	0.0
44	46	0.47	0.0	0.01	0.45	0.0	0.01	-0.49	3.30e-03	0.0	-8.64e-03	0.47
		-5.56e-03	-8.64e-03	3.20e-04	0.0	130.8	0.01	-0.27	3.30e-03	0.0	-4.32e-03	0.09
						261.5	0.01	-0.05	3.30e-03	0.0	0.0	0.0
44	47	0.70	8.66e-03	-7.61e-03	0.45	0.0	-0.02	-0.40	-3.31e-03	0.0	8.66e-03	0.70
		0.0	0.0	-3.20e-04	0.0	130.8	-0.02	-0.18	-3.31e-03	0.0	4.33e-03	0.21
						261.5	-0.02	0.05	-3.31e-03	0.0	0.0	0.0
44	48	0.71	7.97e-03	-7.56e-03	0.45	0.0	-0.01	-0.40	-3.05e-03	0.0	7.97e-03	0.71
		0.0	0.0	-2.69e-04	0.0	130.8	-0.01	-0.18	-3.05e-03	0.0	3.98e-03	0.21
						261.5	-0.01	0.05	-3.05e-03	0.0	0.0	0.0
44	78	2.25	4.51e-05	0.01	1.72	0.0	-8.74e-03	-1.72	-1.72e-05	0.0	4.51e-05	2.25
		0.0	0.0	0.0	0.0	130.8	-8.74e-03	-0.86	-1.72e-05	0.0	2.25e-05	0.56
						261.5	-8.74e-03	0.0	-1.72e-05	0.0	0.0	0.0
44	81	0.0	0.0	-0.02	-2.93	0.0	2.91e-03	2.93	5.75e-06	0.0	-1.50e-05	-3.82
		-3.82	-1.50e-05	0.0	0.0	130.8	2.91e-03	1.46	5.75e-06	0.0	-7.51e-06	-0.96
						261.5	2.91e-03	0.0	5.75e-06	0.0	0.0	0.0
44	84	0.92	1.68e-05	4.93e-03	0.70	0.0	-3.27e-03	-0.70	-6.44e-06	0.0	1.68e-05	0.92
		0.0	0.0	0.0	0.0	130.8	-3.27e-03	-0.35	-6.44e-06	0.0	8.42e-06	0.23
						261.5	-3.27e-03	0.0	-6.44e-06	0.0	0.0	0.0
44	85	0.0	4.82e-06	-1.59e-03	-0.23	0.0	-9.35e-04	0.23	-1.84e-06	0.0	4.82e-06	-0.30
		-0.30	0.0	0.0	0.0	130.8	-9.35e-04	0.11	-1.84e-06	0.0	2.41e-06	-0.07
						261.5	-9.35e-04	0.0	-1.84e-06	0.0	0.0	0.0
44	87	0.59	9.78e-06	3.14e-03	0.45	0.0	-1.90e-03	-0.45	-3.74e-06	0.0	9.78e-06	0.59
		0.0	0.0	0.0	0.0	130.8	-1.90e-03	-0.22	-3.74e-06	0.0	4.89e-06	0.15
						261.5	-1.90e-03	0.0	-3.74e-06	0.0	0.0	0.0
45	3	3.31	6.67e-05	-0.02	2.53	0.0	-0.01	0.0	2.55e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	1.27	2.55e-05	0.0	3.33e-05	0.83
						261.5	-0.01	2.53	2.55e-05	0.0	6.67e-05	3.31
45	10	0.0	0.0	0.03	-4.65	0.0	5.53e-03	0.0	-1.09e-05	0.0	0.0	0.0
		-6.08	-2.85e-05	0.0	0.0	130.8	5.53e-03	-2.33	-1.09e-05	0.0	-1.42e-05	-1.52
						261.5	5.53e-03	-4.65	-1.09e-05	0.0	-2.85e-05	-6.08
45	12	4.29	7.22e-05	-0.02	3.28	0.0	-0.01	0.0	2.76e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	1.64	2.76e-05	0.0	3.61e-05	1.07
						261.5	-0.01	3.28	2.76e-05	0.0	7.22e-05	4.29
45	14	0.34	0.02	0.02	0.45	0.0	-0.03	-0.09	7.12e-03	0.0	0.0	0.0
		-0.03	0.0	7.36e-04	0.0	130.8	-0.03	0.13	7.12e-03	0.0	9.31e-03	0.02
						261.5	-0.03	0.35	7.12e-03	0.0	0.02	0.34
45	15	0.83	0.0	-0.03	0.45	0.0	0.02	0.09	-7.11e-03	0.0	0.0	0.0
		0.0	-0.02	-7.37e-04	0.0	130.8	0.02	0.32	-7.11e-03	0.0	-9.30e-03	0.27
						261.5	0.02	0.54	-7.11e-03	0.0	-0.02	0.83
45	17	0.35	0.02	0.02	0.45	0.0	-0.03	-0.09	6.98e-03	0.0	0.0	0.0
		-0.02	0.0	7.12e-04	0.0	130.8	-0.03	0.13	6.98e-03	0.0	9.13e-03	0.03
						261.5	-0.03	0.36	6.98e-03	0.0	0.02	0.35
45	20	0.82	0.0	-0.03	0.45	0.0	0.03	0.09	-6.98e-03	0.0	0.0	0.0
		0.0	-0.02	-7.12e-04	0.0	130.8	0.03	0.31	-6.98e-03	0.0	-9.12e-03	0.27
						261.5	0.03	0.54	-6.98e-03	0.0	-0.02	0.82
45	49	0.47	8.66e-03	7.61e-03	0.45	0.0	-0.02	-0.05	3.31e-03	0.0	0.0	0.0
		-5.56e-03	0.0	3.20e-04	0.0	130.8	-0.02	0.18	3.31e-03	0.0	4.33e-03	0.09
						261.5	-0.02	0.40	3.31e-03	0.0	8.66e-03	0.47
45	50	0.46	7.97e-03	7.56e-03	0.45	0.0	-0.01	-0.05	3.05e-03	0.0	0.0	0.0
		-5.96e-03	0.0	2.69e-04	0.0	130.8	-0.01	0.18	3.05e-03	0.0	3.98e-03	0.09
						261.5	-0.01	0.40	3.05e-03	0.0	7.97e-03	0.46
45	51	0.71	0.0	-0.01	0.45	0.0	8.20e-03	0.05	-3.04e-03	0.0	0.0	0.0
		0.0	-7.95e-03	-2.70e-04	0.0	130.8	8.20e-03	0.27	-3.04e-03	0.0	-3.97e-03	0.21
						261.5	8.20e-03	0.49	-3.04e-03	0.0	-7.95e-03	0.71
45	52	0.70	0.0	-0.01	0.45	0.0	0.01	0.05	-3.30e-03	0.0	0.0	0.0
		0.0	-8.64e-03	-3.20e-04	0.0	130.8	0.01	0.27	-3.30e-03	0.0	-4.32e-03	0.21
						261.5	0.01	0.49	-3.30e-03	0.0	-8.64e-03	0.70
45	78	2.25	4.51e-05	-0.01	1.72	0.0	-8.74e-03	0.0	1.72e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-8.74e-03	0.86	1.72e-05	0.0	2.25e-05	0.56
						261.5	-8.74e-03	1.72	1.72e-05	0.0	4.51e-05	2.25
45	81	0.0	0.0	0.02	-2.93	0.0	2.91e-03	0.0	-5.75e-06	0.0	0.0	0.0
		-3.82	-1.50e-05	0.0	0.0	130.8	2.91e-03	-1.46	-5.75e-06	0.0	-7.51e-06	-0.96

						261.5	2.91e-03	-2.93	-5.75e-06	0.0	-1.50e-05	-3.82
45	84	0.92	1.68e-05	-4.93e-03	0.70	0.0	-3.27e-03	0.0	6.44e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-3.27e-03	0.35	6.44e-06	0.0	8.42e-06	0.23
						261.5	-3.27e-03	0.70	6.44e-06	0.0	1.68e-05	0.92
45	85	0.0	4.82e-06	1.59e-03	-0.23	0.0	-9.35e-04	0.0	1.84e-06	0.0	0.0	0.0
		-0.30	0.0	0.0	0.0	130.8	-9.35e-04	-0.11	1.84e-06	0.0	2.41e-06	-0.07
						261.5	-9.35e-04	-0.23	1.84e-06	0.0	4.82e-06	-0.30
45	87	0.59	9.79e-06	-3.14e-03	0.45	0.0	-1.90e-03	0.0	3.74e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-1.90e-03	0.22	3.74e-06	0.0	4.89e-06	0.15
						261.5	-1.90e-03	0.45	3.74e-06	0.0	9.79e-06	0.59
46	3	3.47	0.0	-5.65e-03	-0.40	0.0	-0.17	18.48	0.0	0.0	0.0	-17.25
		-17.25	0.0	0.0	0.0	56.7	-0.17	18.28	0.0	0.0	0.0	-6.83
						113.4	-0.17	18.07	0.0	0.0	0.0	3.47
46	10	15.37	0.0	5.15e-03	-0.31	0.0	0.07	-16.05	0.0	0.0	0.0	15.37
		-3.01	0.0	0.0	0.0	56.7	0.07	-16.20	0.0	0.0	0.0	6.23
						113.4	0.07	-16.36	0.0	0.0	0.0	-3.01
46	12	3.99	0.0	-6.53e-03	-0.40	0.0	-0.19	21.26	0.0	0.0	0.0	-19.90
		-19.90	0.0	0.0	0.0	56.7	-0.19	21.06	0.0	0.0	0.0	-7.90
						113.4	-0.19	20.86	0.0	0.0	0.0	3.99
46	21	1.12	0.15	-1.16e-03	-0.31	0.0	0.02	2.89	0.62	1.83	-0.56	-1.98
		-1.98	-0.56	1.86e-04	0.0	56.7	0.02	2.73	0.62	1.83	-0.20	-0.38
						113.4	0.02	2.58	0.62	1.83	0.15	1.12
46	24	-0.03	0.56	-7.04e-04	-0.31	0.0	-0.07	3.41	-0.62	-1.83	0.56	-3.73
		-3.73	-0.15	-1.86e-04	0.0	56.7	-0.07	3.26	-0.62	-1.83	0.20	-1.84
						113.4	-0.07	3.11	-0.62	-1.83	-0.15	-0.03
46	33	2.48	0.07	-1.70e-03	-0.31	0.0	0.11	2.26	0.29	0.14	-0.26	0.07
		0.07	-0.26	-1.07e-04	0.0	56.7	0.11	2.11	0.29	0.14	-0.10	1.32
						113.4	0.11	1.95	0.29	0.14	0.07	2.48
46	34	-1.39	0.02	1.67e-04	-0.31	0.0	-0.16	4.04	0.06	1.04	-0.05	-5.77
		-5.77	-0.05	2.50e-04	0.0	56.7	-0.16	3.89	0.06	1.04	-0.02	-3.54
						113.4	-0.16	3.74	0.06	1.04	0.02	-1.39
46	35	2.48	0.05	-1.70e-03	-0.31	0.0	0.11	2.26	-0.06	-1.04	0.05	0.07
		0.07	-0.02	-2.50e-04	0.0	56.7	0.11	2.10	-0.06	-1.04	0.02	1.32
						113.4	0.11	1.95	-0.06	-1.04	-0.02	2.48
46	36	-1.39	0.26	1.67e-04	-0.31	0.0	-0.16	4.04	-0.29	-0.14	0.26	-5.77
		-5.77	-0.07	1.07e-04	0.0	56.7	-0.16	3.89	-0.29	-0.14	0.10	-3.54
						113.4	-0.16	3.73	-0.29	-0.14	-0.07	-1.39
46	58	0.36	0.07	-8.62e-04	-0.31	0.0	-0.04	3.24	0.29	0.86	-0.26	-3.13
		-3.13	-0.26	8.53e-05	0.0	56.7	-0.04	3.08	0.29	0.86	-0.09	-1.34
						113.4	-0.04	2.93	0.29	0.86	0.07	0.36
46	59	0.73	0.26	-1.01e-03	-0.31	0.0	-0.01	3.06	-0.29	-0.86	0.26	-2.57
		-2.57	-0.07	-8.53e-05	0.0	56.7	-0.01	2.91	-0.29	-0.86	0.09	-0.88
						113.4	-0.01	2.75	-0.29	-0.86	-0.07	0.73
46	65	1.16	0.03	-1.18e-03	-0.31	0.0	0.02	2.87	0.12	0.14	-0.11	-1.93
		-1.93	-0.11	-2.45e-05	0.0	56.7	0.02	2.71	0.12	0.14	-0.04	-0.34
						113.4	0.02	2.56	0.12	0.14	0.03	1.16
46	66	-0.07	0.01	-6.92e-04	-0.31	0.0	-0.07	3.43	0.05	0.40	-0.04	-3.78
		-3.78	-0.04	8.56e-05	0.0	56.7	-0.07	3.28	0.05	0.40	-0.01	-1.88
						113.4	-0.07	3.13	0.05	0.40	0.01	-0.07
46	67	1.16	0.04	-1.18e-03	-0.31	0.0	0.02	2.87	-0.05	-0.40	0.04	-1.93
		-1.93	-0.01	-8.56e-05	0.0	56.7	0.02	2.71	-0.05	-0.40	0.01	-0.34
						113.4	0.02	2.56	-0.05	-0.40	-0.01	1.16
46	68	-0.07	0.11	-6.92e-04	-0.31	0.0	-0.07	3.43	-0.12	-0.14	0.11	-3.78
		-3.78	-0.03	2.45e-05	0.0	56.7	-0.07	3.28	-0.12	-0.14	0.04	-1.88
						113.4	-0.07	3.12	-0.12	-0.14	-0.03	-0.07
46	78	2.35	0.0	-3.83e-03	-0.31	0.0	-0.12	12.55	0.0	0.0	0.0	-11.70
		-11.70	0.0	0.0	0.0	56.7	-0.12	12.39	0.0	0.0	0.0	-4.63
						113.4	-0.12	12.24	0.0	0.0	0.0	2.35
46	81	9.12	0.0	3.06e-03	-0.31	0.0	0.04	-9.46	0.0	0.0	0.0	9.12
		-1.79	0.0	0.0	0.0	56.7	0.04	-9.62	0.0	0.0	0.0	3.71
						113.4	0.04	-9.77	0.0	0.0	0.0	-1.79
46	84	0.91	0.0	-1.51e-03	-0.31	0.0	-0.04	5.03	0.0	0.0	0.0	-4.62
		-4.62	0.0	0.0	0.0	56.7	-0.04	4.88	0.0	0.0	0.0	-1.81
						113.4	-0.04	4.72	0.0	0.0	0.0	0.91
46	85	0.08	0.0	-1.35e-04	-0.31	0.0	-0.01	0.63	0.0	0.0	0.0	-0.46
		-0.46	0.0	0.0	0.0	56.7	-0.01	0.47	0.0	0.0	0.0	-0.15
						113.4	-0.01	0.32	0.0	0.0	0.0	0.08
46	87	0.54	0.0	-9.34e-04	-0.31	0.0	-0.03	3.15	0.0	0.0	0.0	-2.85
		-2.85	0.0	0.0	0.0	56.7	-0.03	3.00	0.0	0.0	0.0	-1.11
						113.4	-0.03	2.84	0.0	0.0	0.0	0.54
47	3	3.31	0.0	-0.02	2.53	0.0	-0.01	0.0	-2.55e-05	0.0	0.0	0.0
		0.0	-6.67e-05	0.0	0.0	130.8	-0.01	1.27	-2.55e-05	0.0	-3.33e-05	0.83
						261.5	-0.01	2.53	-2.55e-05	0.0	-6.67e-05	3.31
47	10	0.0	2.85e-05	0.03	-4.65	0.0	5.53e-03	0.0	1.09e-05	0.0	0.0	0.0
		-6.08	0.0	0.0	0.0	130.8	5.53e-03	-2.33	1.09e-05	0.0	1.42e-05	-1.52
						261.5	5.53e-03	-4.65	1.09e-05	0.0	2.85e-05	-6.08
47	12	4.29	0.0	-0.02	3.28	0.0	-0.01	0.0	-2.76e-05	0.0	0.0	0.0

		0.0	-7.22e-05	0.0	0.0	130.8	-0.01	1.64	-2.76e-05	0.0	-3.61e-05	1.07
						261.5	-0.01	3.28	-2.76e-05	0.0	-7.22e-05	4.29
47	21	0.83	0.0	0.02	0.45	0.0	-0.03	0.09	-7.12e-03	0.0	0.0	0.0
		0.0	-0.02	-7.36e-04	0.0	130.8	-0.03	0.32	-7.12e-03	0.0	-9.31e-03	0.27
						261.5	-0.03	0.54	-7.12e-03	0.0	-0.02	0.83
47	24	0.34	0.02	-0.03	0.45	0.0	0.02	-0.09	7.11e-03	0.0	0.0	0.0
		-0.03	0.0	7.37e-04	0.0	130.8	0.02	0.13	7.11e-03	0.0	9.30e-03	0.02
						261.5	0.02	0.35	7.11e-03	0.0	0.02	0.34
47	26	0.82	0.0	0.02	0.45	0.0	-0.03	0.09	-6.98e-03	0.0	0.0	0.0
		0.0	-0.02	-7.12e-04	0.0	130.8	-0.03	0.31	-6.98e-03	0.0	-9.13e-03	0.27
						261.5	-0.03	0.54	-6.98e-03	0.0	-0.02	0.82
47	27	0.35	0.02	-0.03	0.45	0.0	0.03	-0.09	6.98e-03	0.0	0.0	0.0
		-0.02	0.0	7.12e-04	0.0	130.8	0.03	0.13	6.98e-03	0.0	9.12e-03	0.03
						261.5	0.03	0.36	6.98e-03	0.0	0.02	0.35
47	57	0.71	0.0	7.56e-03	0.45	0.0	-0.01	0.05	-3.05e-03	0.0	0.0	0.0
		0.0	-7.97e-03	-2.69e-04	0.0	130.8	-0.01	0.27	-3.05e-03	0.0	-3.98e-03	0.21
						261.5	-0.01	0.49	-3.05e-03	0.0	-7.97e-03	0.71
47	58	0.70	0.0	7.61e-03	0.45	0.0	-0.02	0.04	-3.31e-03	0.0	0.0	0.0
		0.0	-8.66e-03	-3.20e-04	0.0	130.8	-0.02	0.27	-3.31e-03	0.0	-4.33e-03	0.21
						261.5	-0.02	0.49	-3.31e-03	0.0	-8.66e-03	0.70
47	59	0.47	8.64e-03	-0.01	0.45	0.0	0.01	-0.04	3.30e-03	0.0	0.0	0.0
		-5.56e-03	0.0	3.20e-04	0.0	130.8	0.01	0.18	3.30e-03	0.0	4.32e-03	0.09
						261.5	0.01	0.40	3.30e-03	0.0	8.64e-03	0.47
47	60	0.46	7.95e-03	-0.01	0.45	0.0	8.20e-03	-0.05	3.04e-03	0.0	0.0	0.0
		-5.96e-03	0.0	2.70e-04	0.0	130.8	8.20e-03	0.18	3.04e-03	0.0	3.97e-03	0.09
						261.5	8.20e-03	0.40	3.04e-03	0.0	7.95e-03	0.46
47	78	2.25	0.0	-0.01	1.72	0.0	-8.74e-03	0.0	-1.72e-05	0.0	0.0	0.0
		0.0	-4.51e-05	0.0	0.0	130.8	-8.74e-03	0.86	-1.72e-05	0.0	-2.25e-05	0.56
						261.5	-8.74e-03	1.72	-1.72e-05	0.0	-4.51e-05	2.25
47	81	0.0	1.50e-05	0.02	-2.93	0.0	2.91e-03	0.0	5.75e-06	0.0	0.0	0.0
		-3.82	0.0	0.0	0.0	130.8	2.91e-03	-1.46	5.75e-06	0.0	7.51e-06	-0.96
						261.5	2.91e-03	-2.93	5.75e-06	0.0	1.50e-05	-3.82
47	84	0.92	0.0	-4.93e-03	0.70	0.0	-3.27e-03	0.0	-6.44e-06	0.0	0.0	0.0
		0.0	-1.68e-05	0.0	0.0	130.8	-3.27e-03	0.35	-6.44e-06	0.0	-8.42e-06	0.23
						261.5	-3.27e-03	0.70	-6.44e-06	0.0	-1.68e-05	0.92
47	85	0.0	0.0	1.59e-03	-0.23	0.0	-9.35e-04	0.0	-1.84e-06	0.0	0.0	0.0
		-0.30	-4.82e-06	0.0	0.0	130.8	-9.35e-04	-0.11	-1.84e-06	0.0	-2.41e-06	-0.07
						261.5	-9.35e-04	-0.23	-1.84e-06	0.0	-4.82e-06	-0.30
47	87	0.59	0.0	-3.14e-03	0.45	0.0	-1.90e-03	0.0	-3.74e-06	0.0	0.0	0.0
		0.0	-9.79e-06	0.0	0.0	130.8	-1.90e-03	0.22	-3.74e-06	0.0	-4.89e-06	0.15
						261.5	-1.90e-03	0.45	-3.74e-06	0.0	-9.79e-06	0.59
48	3	3.31	0.0	0.02	2.53	0.0	-0.01	-2.53	2.55e-05	0.0	-6.67e-05	3.31
		0.0	-6.67e-05	0.0	0.0	130.8	-0.01	-1.27	2.55e-05	0.0	-3.33e-05	0.83
						261.5	-0.01	0.0	2.55e-05	0.0	0.0	0.0
48	10	0.0	2.85e-05	-0.03	-4.65	0.0	5.53e-03	4.65	-1.09e-05	0.0	2.85e-05	-6.08
		-6.08	0.0	0.0	0.0	130.8	5.53e-03	2.33	-1.09e-05	0.0	1.42e-05	-1.52
						261.5	5.53e-03	0.0	-1.09e-05	0.0	0.0	0.0
48	12	4.29	0.0	0.02	3.28	0.0	-0.01	-3.28	2.76e-05	0.0	-7.22e-05	4.29
		0.0	-7.22e-05	0.0	0.0	130.8	-0.01	-1.64	2.76e-05	0.0	-3.61e-05	1.07
						261.5	-0.01	0.0	2.76e-05	0.0	0.0	0.0
48	21	0.34	0.02	0.03	0.45	0.0	0.03	-0.54	-7.12e-03	0.0	0.02	0.34
		-0.03	0.0	-7.34e-04	0.0	130.8	0.03	-0.31	-7.12e-03	0.0	9.31e-03	0.02
						261.5	0.03	-0.09	-7.12e-03	0.0	0.0	0.0
48	24	0.83	0.0	-0.02	0.45	0.0	-0.03	-0.36	7.13e-03	0.0	-0.02	0.83
		0.0	-0.02	7.34e-04	0.0	130.8	-0.03	-0.13	7.13e-03	0.0	-9.32e-03	0.27
						261.5	-0.03	0.09	7.13e-03	0.0	0.0	0.0
48	53	0.46	8.64e-03	0.01	0.45	0.0	0.01	-0.49	-3.30e-03	0.0	8.64e-03	0.46
		-5.96e-03	0.0	-3.20e-04	0.0	130.8	0.01	-0.27	-3.30e-03	0.0	4.32e-03	0.09
						261.5	0.01	-0.05	-3.30e-03	0.0	0.0	0.0
48	56	0.71	0.0	-7.61e-03	0.45	0.0	-0.02	-0.40	3.31e-03	0.0	-8.66e-03	0.71
		0.0	-8.66e-03	3.20e-04	0.0	130.8	-0.02	-0.18	3.31e-03	0.0	-4.33e-03	0.21
						261.5	-0.02	0.05	3.31e-03	0.0	0.0	0.0
48	78	2.25	0.0	0.01	1.72	0.0	-8.74e-03	-1.72	1.72e-05	0.0	-4.51e-05	2.25
		0.0	-4.51e-05	0.0	0.0	130.8	-8.74e-03	-0.86	1.72e-05	0.0	-2.25e-05	0.56
						261.5	-8.74e-03	0.0	1.72e-05	0.0	0.0	0.0
48	81	0.0	1.50e-05	-0.02	-2.93	0.0	2.91e-03	2.93	-5.75e-06	0.0	1.50e-05	-3.82
		-3.82	0.0	0.0	0.0	130.8	2.91e-03	1.46	-5.75e-06	0.0	7.51e-06	-0.96
						261.5	2.91e-03	0.0	-5.75e-06	0.0	0.0	0.0
48	84	0.92	0.0	4.93e-03	0.70	0.0	-3.27e-03	-0.70	6.44e-06	0.0	-1.68e-05	0.92
		0.0	-1.68e-05	0.0	0.0	130.8	-3.27e-03	-0.35	6.44e-06	0.0	-8.42e-06	0.23
						261.5	-3.27e-03	0.0	6.44e-06	0.0	0.0	0.0
48	85	0.0	0.0	-1.59e-03	-0.23	0.0	-9.35e-04	0.23	1.84e-06	0.0	-4.82e-06	-0.30
		-0.30	-4.82e-06	0.0	0.0	130.8	-9.35e-04	0.11	1.84e-06	0.0	-2.41e-06	-0.07
						261.5	-9.35e-04	0.0	1.84e-06	0.0	0.0	0.0
48	87	0.59	0.0	3.14e-03	0.45	0.0	-1.90e-03	-0.45	3.74e-06	0.0	-9.78e-06	0.59
		0.0	-9.78e-06	0.0	0.0	130.8	-1.90e-03	-0.22	3.74e-06	0.0	-4.89e-06	0.15
						261.5	-1.90e-03	0.0	3.74e-06	0.0	0.0	0.0

49	3	6.22	0.0	0.03	4.75	0.0	8.84e-03	-4.75	1.17e-05	0.0	-3.07e-05	6.22
		0.0	-3.07e-05	0.0	0.0	130.8	8.84e-03	-2.38	1.17e-05	0.0	-1.53e-05	1.55
						261.5	8.84e-03	0.0	1.17e-05	0.0	0.0	0.0
49	10	0.0	1.31e-05	-0.03	-4.48	0.0	-3.78e-03	4.48	-5.01e-06	0.0	1.31e-05	-5.86
		-5.86	0.0	0.0	0.0	130.8	-3.78e-03	2.24	-5.01e-06	0.0	6.55e-06	-1.46
						261.5	-3.78e-03	0.0	-5.01e-06	0.0	0.0	0.0
49	12	7.19	0.0	0.04	5.50	0.0	9.56e-03	-5.50	1.27e-05	0.0	-3.32e-05	7.19
		0.0	-3.32e-05	0.0	0.0	130.8	9.56e-03	-2.75	1.27e-05	0.0	-1.66e-05	1.80
						261.5	9.56e-03	0.0	1.27e-05	0.0	0.0	0.0
49	21	1.33	0.0	0.03	0.66	0.0	-7.75e-03	-0.50	1.88e-03	0.0	-4.92e-03	1.33
		0.0	-4.92e-03	-7.34e-04	0.0	130.8	-7.75e-03	-0.17	1.88e-03	0.0	-2.46e-03	0.45
						261.5	-7.75e-03	0.16	1.88e-03	0.0	0.0	0.0
49	24	0.39	4.91e-03	-0.02	0.66	0.0	0.01	-0.81	-1.88e-03	0.0	4.91e-03	0.39
		-0.06	0.0	7.34e-04	0.0	130.8	0.01	-0.48	-1.88e-03	0.0	2.45e-03	-0.02
						261.5	0.01	-0.16	-1.88e-03	0.0	0.0	0.0
49	53	1.05	0.0	0.02	0.66	0.0	-2.78e-03	-0.58	8.71e-04	0.0	-2.28e-03	1.05
		0.0	-2.28e-03	-3.20e-04	0.0	130.8	-2.78e-03	-0.25	8.71e-04	0.0	-1.14e-03	0.31
						261.5	-2.78e-03	0.07	8.71e-04	0.0	0.0	0.0
49	54	1.07	0.0	0.02	0.66	0.0	-1.88e-03	-0.57	8.00e-04	0.0	-2.09e-03	1.07
		0.0	-2.09e-03	-2.70e-04	0.0	130.8	-1.88e-03	-0.25	8.00e-04	0.0	-1.05e-03	0.32
						261.5	-1.88e-03	0.08	8.00e-04	0.0	0.0	0.0
49	55	0.64	2.08e-03	-7.64e-03	0.66	0.0	4.47e-03	-0.74	-7.97e-04	0.0	2.08e-03	0.64
		-0.01	0.0	2.70e-04	0.0	130.8	4.47e-03	-0.41	-7.97e-04	0.0	1.04e-03	0.11
						261.5	4.47e-03	-0.08	-7.97e-04	0.0	0.0	0.0
49	56	0.66	2.27e-03	-7.89e-03	0.66	0.0	5.37e-03	-0.73	-8.68e-04	0.0	2.27e-03	0.66
		-0.01	0.0	3.20e-04	0.0	130.8	5.37e-03	-0.40	-8.68e-04	0.0	1.13e-03	0.12
						261.5	5.37e-03	-0.07	-8.68e-04	0.0	0.0	0.0
49	58	1.05	0.0	0.02	0.66	0.0	-2.11e-03	-0.58	8.73e-04	0.0	-2.28e-03	1.05
		0.0	-2.28e-03	-3.21e-04	0.0	130.8	-2.11e-03	-0.25	8.73e-04	0.0	-1.14e-03	0.31
						261.5	-2.11e-03	0.08	8.73e-04	0.0	0.0	0.0
49	59	0.66	2.27e-03	-7.74e-03	0.66	0.0	4.71e-03	-0.73	-8.70e-04	0.0	2.27e-03	0.66
		-0.01	0.0	3.20e-04	0.0	130.8	4.71e-03	-0.40	-8.70e-04	0.0	1.14e-03	0.12
						261.5	4.71e-03	-0.08	-8.70e-04	0.0	0.0	0.0
49	78	4.19	0.0	0.02	3.21	0.0	5.97e-03	-3.21	7.93e-06	0.0	-2.07e-05	4.19
		0.0	-2.07e-05	0.0	0.0	130.8	5.97e-03	-1.60	7.93e-06	0.0	-1.04e-05	1.05
						261.5	5.97e-03	0.0	7.93e-06	0.0	0.0	0.0
49	81	0.0	6.91e-06	-0.02	-2.72	0.0	-1.99e-03	2.72	-2.64e-06	0.0	6.91e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-1.99e-03	1.36	-2.64e-06	0.0	3.46e-06	-0.89
						261.5	-1.99e-03	0.0	-2.64e-06	0.0	0.0	0.0
49	84	1.52	0.0	8.18e-03	1.17	0.0	2.23e-03	-1.17	2.96e-06	0.0	-7.75e-06	1.52
		0.0	-7.75e-06	0.0	0.0	130.8	2.23e-03	-0.58	2.96e-06	0.0	-3.87e-06	0.38
						261.5	2.23e-03	0.0	2.96e-06	0.0	0.0	0.0
49	85	0.0	0.0	-1.34e-04	-0.02	0.0	6.39e-04	0.02	0.0	0.0	-2.22e-06	-0.03
		-0.03	-2.22e-06	0.0	0.0	130.8	6.39e-04	9.57e-03	0.0	0.0	-1.11e-06	-6.26e-03
						261.5	6.39e-04	0.0	0.0	0.0	0.0	0.0
49	87	0.86	0.0	4.60e-03	0.66	0.0	1.30e-03	-0.66	1.72e-06	0.0	-4.50e-06	0.86
		0.0	-4.50e-06	0.0	0.0	130.8	1.30e-03	-0.33	1.72e-06	0.0	-2.25e-06	0.21
						261.5	1.30e-03	0.0	1.72e-06	0.0	0.0	0.0
50	3	6.22	0.0	-0.03	4.75	0.0	8.84e-03	0.0	-1.17e-05	0.0	0.0	0.0
		0.0	-3.07e-05	0.0	0.0	130.8	8.84e-03	2.38	-1.17e-05	0.0	-1.53e-05	1.55
						261.5	8.84e-03	4.75	-1.17e-05	0.0	-3.07e-05	6.22
50	10	0.0	1.31e-05	0.03	-4.48	0.0	-3.78e-03	0.0	5.01e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-3.78e-03	-2.24	5.01e-06	0.0	6.55e-06	-1.46
						261.5	-3.78e-03	-4.48	5.01e-06	0.0	1.31e-05	-5.86
50	12	7.19	0.0	-0.04	5.50	0.0	9.56e-03	0.0	-1.27e-05	0.0	0.0	0.0
		0.0	-3.32e-05	0.0	0.0	130.8	9.56e-03	2.75	-1.27e-05	0.0	-1.66e-05	1.80
						261.5	9.56e-03	5.50	-1.27e-05	0.0	-3.32e-05	7.19
50	21	0.39	4.92e-03	0.02	0.66	0.0	8.42e-03	0.18	1.88e-03	0.0	0.0	0.0
		-0.06	0.0	-7.36e-04	0.0	130.8	8.42e-03	0.51	1.88e-03	0.0	2.46e-03	-0.02
						261.5	8.42e-03	0.83	1.88e-03	0.0	4.92e-03	0.39
50	24	1.32	0.0	-0.03	0.66	0.0	-5.83e-03	-0.18	-1.89e-03	0.0	0.0	0.0
		0.0	-4.93e-03	7.36e-04	0.0	130.8	-5.83e-03	0.15	-1.89e-03	0.0	-2.46e-03	0.45
						261.5	-5.83e-03	0.48	-1.89e-03	0.0	-4.93e-03	1.32
50	26	0.44	4.80e-03	0.02	0.66	0.0	9.96e-03	0.17	1.84e-03	0.0	0.0	0.0
		-0.05	0.0	-7.12e-04	0.0	130.8	9.96e-03	0.50	1.84e-03	0.0	2.40e-03	4.45e-03
						261.5	9.96e-03	0.83	1.84e-03	0.0	4.80e-03	0.44
50	27	1.28	0.0	-0.03	0.66	0.0	-7.36e-03	-0.17	-1.84e-03	0.0	0.0	0.0
		0.0	-4.81e-03	7.12e-04	0.0	130.8	-7.36e-03	0.15	-1.84e-03	0.0	-2.40e-03	0.42
						261.5	-7.36e-03	0.48	-1.84e-03	0.0	-4.81e-03	1.28
50	53	0.65	2.27e-03	7.74e-03	0.66	0.0	4.71e-03	0.08	8.70e-04	0.0	0.0	0.0
		-0.01	0.0	-3.20e-04	0.0	130.8	4.71e-03	0.40	8.70e-04	0.0	1.14e-03	0.11
						261.5	4.71e-03	0.73	8.70e-04	0.0	2.27e-03	0.65
50	56	1.07	0.0	-0.02	0.66	0.0	-2.11e-03	-0.08	-8.73e-04	0.0	0.0	0.0
		0.0	-2.28e-03	3.21e-04	0.0	130.8	-2.11e-03	0.25	-8.73e-04	0.0	-1.14e-03	0.32
						261.5	-2.11e-03	0.58	-8.73e-04	0.0	-2.28e-03	1.07
50	57	0.64	2.08e-03	7.64e-03	0.66	0.0	4.47e-03	0.07	7.97e-04	0.0	0.0	0.0
		-0.01	0.0	-2.70e-04	0.0	130.8	4.47e-03	0.40	7.97e-04	0.0	1.04e-03	0.11

						261.5	4.47e-03	0.73	7.97e-04	0.0	2.08e-03	0.64
50	58	0.66	2.27e-03	7.89e-03	0.66	0.0	5.37e-03	0.08	8.68e-04	0.0	0.0	0.0
		-0.01	0.0	-3.20e-04	0.0	130.8	5.37e-03	0.41	8.68e-04	0.0	1.13e-03	0.12
						261.5	5.37e-03	0.74	8.68e-04	0.0	2.27e-03	0.66
50	59	1.05	0.0	-0.02	0.66	0.0	-2.78e-03	-0.08	-8.71e-04	0.0	0.0	0.0
		0.0	-2.28e-03	3.20e-04	0.0	130.8	-2.78e-03	0.25	-8.71e-04	0.0	-1.14e-03	0.31
						261.5	-2.78e-03	0.57	-8.71e-04	0.0	-2.28e-03	1.05
50	60	1.07	0.0	-0.02	0.66	0.0	-1.88e-03	-0.07	-8.00e-04	0.0	0.0	0.0
		0.0	-2.09e-03	2.70e-04	0.0	130.8	-1.88e-03	0.25	-8.00e-04	0.0	-1.05e-03	0.32
						261.5	-1.88e-03	0.58	-8.00e-04	0.0	-2.09e-03	1.07
50	78	4.19	0.0	-0.02	3.21	0.0	5.97e-03	0.0	-7.93e-06	0.0	0.0	0.0
		0.0	-2.07e-05	0.0	0.0	130.8	5.97e-03	1.60	-7.93e-06	0.0	-1.04e-05	1.05
						261.5	5.97e-03	3.21	-7.93e-06	0.0	-2.07e-05	4.19
50	81	0.0	6.91e-06	0.02	-2.72	0.0	-1.99e-03	0.0	2.64e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-1.99e-03	-1.36	2.64e-06	0.0	3.46e-06	-0.89
						261.5	-1.99e-03	-2.72	2.64e-06	0.0	6.91e-06	-3.55
50	84	1.52	0.0	-8.18e-03	1.17	0.0	2.23e-03	0.0	-2.96e-06	0.0	0.0	0.0
		0.0	-7.75e-06	0.0	0.0	130.8	2.23e-03	0.58	-2.96e-06	0.0	-3.87e-06	0.38
						261.5	2.23e-03	1.17	-2.96e-06	0.0	-7.75e-06	1.52
50	85	0.0	0.0	1.34e-04	-0.02	0.0	6.39e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	-2.22e-06	0.0	0.0	130.8	6.39e-04	-9.57e-03	0.0	0.0	-1.11e-06	-6.26e-03
						261.5	6.39e-04	-0.02	0.0	0.0	-2.22e-06	-0.03
50	87	0.86	0.0	-4.60e-03	0.66	0.0	1.30e-03	0.0	-1.72e-06	0.0	0.0	0.0
		0.0	-4.50e-06	0.0	0.0	130.8	1.30e-03	0.33	-1.72e-06	0.0	-2.25e-06	0.21
						261.5	1.30e-03	0.66	-1.72e-06	0.0	-4.50e-06	0.86
51	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	-3.22e-06	0.0	0.0	0.0
		0.0	-8.41e-06	0.0	0.0	130.8	0.01	2.38	-3.22e-06	0.0	-4.20e-06	1.55
						261.5	0.01	4.75	-3.22e-06	0.0	-8.41e-06	6.22
51	10	0.0	3.59e-06	0.03	-4.48	0.0	-5.26e-03	0.0	1.37e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-5.26e-03	-2.24	1.37e-06	0.0	1.80e-06	-1.46
						261.5	-5.26e-03	-4.48	1.37e-06	0.0	3.59e-06	-5.86
51	12	7.19	0.0	-0.04	5.50	0.0	0.01	0.0	-3.48e-06	0.0	0.0	0.0
		0.0	-9.10e-06	0.0	0.0	130.8	0.01	2.75	-3.48e-06	0.0	-4.55e-06	1.80
						261.5	0.01	5.50	-3.48e-06	0.0	-9.10e-06	7.19
51	21	1.41	0.0	0.03	0.66	0.0	4.44e-03	0.21	-7.30e-04	0.0	0.0	0.0
		0.0	-1.91e-03	-7.36e-04	0.0	130.8	4.44e-03	0.54	-7.30e-04	0.0	-9.55e-04	0.49
						261.5	4.44e-03	0.87	-7.30e-04	0.0	-1.91e-03	1.41
51	22	1.48	0.0	0.03	0.66	0.0	5.46e-03	0.24	-5.69e-04	0.0	0.0	0.0
		0.0	-1.49e-03	-5.84e-04	0.0	130.8	5.46e-03	0.57	-5.69e-04	0.0	-7.44e-04	0.52
						261.5	5.46e-03	0.89	-5.69e-04	0.0	-1.49e-03	1.48
51	23	0.24	1.49e-03	-0.04	0.66	0.0	-1.85e-03	-0.24	5.68e-04	0.0	0.0	0.0
		-0.11	0.0	5.84e-04	0.0	130.8	-1.85e-03	0.09	5.68e-04	0.0	7.43e-04	-0.10
						261.5	-1.85e-03	0.42	5.68e-04	0.0	1.49e-03	0.24
51	24	0.30	1.91e-03	-0.04	0.66	0.0	-8.26e-04	-0.21	7.30e-04	0.0	0.0	0.0
		-0.09	0.0	7.36e-04	0.0	130.8	-8.26e-04	0.12	7.30e-04	0.0	9.54e-04	-0.06
						261.5	-8.26e-04	0.44	7.30e-04	0.0	1.91e-03	0.30
51	26	1.47	0.0	0.03	0.66	0.0	5.50e-03	0.23	-7.00e-04	0.0	0.0	0.0
		0.0	-1.83e-03	-7.12e-04	0.0	130.8	5.50e-03	0.56	-7.00e-04	0.0	-9.16e-04	0.52
						261.5	5.50e-03	0.89	-7.00e-04	0.0	-1.83e-03	1.47
51	27	0.25	1.83e-03	-0.04	0.66	0.0	-1.88e-03	-0.23	6.99e-04	0.0	0.0	0.0
		-0.11	0.0	7.12e-04	0.0	130.8	-1.88e-03	0.09	6.99e-04	0.0	9.14e-04	-0.09
						261.5	-1.88e-03	0.42	6.99e-04	0.0	1.83e-03	0.25
51	58	1.14	0.0	8.93e-03	0.66	0.0	3.56e-03	0.11	-3.29e-04	0.0	0.0	0.0
		0.0	-8.61e-04	-3.20e-04	0.0	130.8	3.56e-03	0.44	-3.29e-04	0.0	-4.30e-04	0.36
						261.5	3.56e-03	0.77	-3.29e-04	0.0	-8.61e-04	1.14
51	59	0.57	8.58e-04	-0.02	0.66	0.0	5.71e-05	-0.11	3.28e-04	0.0	0.0	0.0
		-0.02	0.0	3.20e-04	0.0	130.8	5.71e-05	0.22	3.28e-04	0.0	4.29e-04	0.07
						261.5	5.71e-05	0.55	3.28e-04	0.0	8.58e-04	0.57
51	78	4.19	0.0	-0.02	3.21	0.0	8.33e-03	0.0	-2.17e-06	0.0	0.0	0.0
		0.0	-5.68e-06	0.0	0.0	130.8	8.33e-03	1.60	-2.17e-06	0.0	-2.84e-06	1.05
						261.5	8.33e-03	3.21	-2.17e-06	0.0	-5.68e-06	4.19
51	81	0.0	1.89e-06	0.02	-2.72	0.0	-2.78e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-2.78e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	-2.72	0.0	0.0	1.89e-06	-3.55
51	84	1.52	0.0	-8.18e-03	1.17	0.0	3.11e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-2.12e-06	0.0	0.0	130.8	3.11e-03	0.58	0.0	0.0	-1.06e-06	0.38
						261.5	3.11e-03	1.17	0.0	0.0	-2.12e-06	1.52
51	85	0.0	0.0	1.34e-04	-0.02	0.0	8.91e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	-0.02	0.0	0.0	0.0	-0.03
51	87	0.86	0.0	-4.60e-03	0.66	0.0	1.81e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-1.23e-06	0.0	0.0	130.8	1.81e-03	0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.66	0.0	0.0	-1.23e-06	0.86
52	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	3.22e-06	0.0	-8.41e-06	6.22
		0.0	-8.41e-06	0.0	0.0	130.8	0.01	-2.38	3.22e-06	0.0	-4.20e-06	1.55
						261.5	0.01	0.0	3.22e-06	0.0	0.0	0.0
52	10	0.0	3.59e-06	-0.03	-4.48	0.0	-5.26e-03	4.48	-1.37e-06	0.0	3.59e-06	-5.86

		-5.86	0.0	0.0	0.0	130.8	-5.26e-03	2.24	-1.37e-06	0.0	1.80e-06	-1.46
						261.5	-5.26e-03	0.0	-1.37e-06	0.0	0.0	0.0
52	12	7.19	0.0	0.04	5.50	0.0	0.01	-5.50	3.48e-06	0.0	-9.10e-06	7.19
		0.0	-9.10e-06	0.0	0.0	130.8	0.01	-2.75	3.48e-06	0.0	-4.55e-06	1.80
						261.5	0.01	0.0	3.48e-06	0.0	0.0	0.0
52	21	0.31	1.91e-03	0.04	0.66	0.0	-2.16e-03	-0.45	-7.32e-04	0.0	1.91e-03	0.31
		-0.09	0.0	-7.34e-04	0.0	130.8	-2.16e-03	-0.12	-7.32e-04	0.0	9.57e-04	-0.06
						261.5	-2.16e-03	0.21	-7.32e-04	0.0	0.0	0.0
52	22	0.23	1.48e-03	0.03	0.66	0.0	-5.15e-04	-0.42	-5.66e-04	0.0	1.48e-03	0.23
		-0.11	0.0	-5.86e-04	0.0	130.8	-5.15e-04	-0.09	-5.66e-04	0.0	7.40e-04	-0.10
						261.5	-5.15e-04	0.24	-5.66e-04	0.0	0.0	0.0
52	23	1.48	0.0	-0.03	0.66	0.0	4.13e-03	-0.89	5.67e-04	0.0	-1.48e-03	1.48
		0.0	-1.48e-03	5.86e-04	0.0	130.8	4.13e-03	-0.57	5.67e-04	0.0	-7.41e-04	0.53
						261.5	4.13e-03	-0.24	5.67e-04	0.0	0.0	0.0
52	24	1.40	0.0	-0.03	0.66	0.0	5.77e-03	-0.86	7.33e-04	0.0	-1.92e-03	1.40
		0.0	-1.92e-03	7.34e-04	0.0	130.8	5.77e-03	-0.54	7.33e-04	0.0	-9.58e-04	0.49
						261.5	5.77e-03	-0.21	7.33e-04	0.0	0.0	0.0
52	53	0.57	8.58e-04	0.02	0.66	0.0	5.71e-05	-0.55	-3.28e-04	0.0	8.58e-04	0.57
		-0.02	0.0	-3.20e-04	0.0	130.8	5.71e-05	-0.23	-3.28e-04	0.0	4.29e-04	0.07
						261.5	5.71e-05	0.10	-3.28e-04	0.0	0.0	0.0
52	56	1.14	0.0	-8.93e-03	0.66	0.0	3.56e-03	-0.76	3.29e-04	0.0	-8.61e-04	1.14
		0.0	-8.61e-04	3.20e-04	0.0	130.8	3.56e-03	-0.43	3.29e-04	0.0	-4.30e-04	0.36
						261.5	3.56e-03	-0.10	3.29e-04	0.0	0.0	0.0
52	78	4.19	0.0	0.02	3.21	0.0	8.33e-03	-3.21	2.17e-06	0.0	-5.68e-06	4.19
		0.0	-5.68e-06	0.0	0.0	130.8	8.33e-03	-1.60	2.17e-06	0.0	-2.84e-06	1.05
						261.5	8.33e-03	0.0	2.17e-06	0.0	0.0	0.0
52	81	0.0	1.89e-06	-0.02	-2.72	0.0	-2.78e-03	2.72	0.0	0.0	1.89e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-2.78e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	0.0	0.0	0.0	0.0	0.0
52	84	1.52	0.0	8.18e-03	1.17	0.0	3.11e-03	-1.17	0.0	0.0	-2.12e-06	1.52
		0.0	-2.12e-06	0.0	0.0	130.8	3.11e-03	-0.58	0.0	0.0	-1.06e-06	0.38
						261.5	3.11e-03	0.0	0.0	0.0	0.0	0.0
52	85	0.0	0.0	-1.34e-04	-0.02	0.0	8.91e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	0.0	0.0	0.0	0.0	0.0
52	87	0.86	0.0	4.60e-03	0.66	0.0	1.81e-03	-0.66	0.0	0.0	-1.23e-06	0.86
		0.0	-1.23e-06	0.0	0.0	130.8	1.81e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.0	0.0	0.0	0.0	0.0
53	3	6.22	8.41e-06	0.03	4.75	0.0	0.01	-4.75	-3.22e-06	0.0	8.41e-06	6.22
		0.0	0.0	0.0	0.0	130.8	0.01	-2.38	-3.22e-06	0.0	4.20e-06	1.55
						261.5	0.01	0.0	-3.22e-06	0.0	0.0	0.0
53	10	0.0	0.0	-0.03	-4.48	0.0	-5.26e-03	4.48	1.37e-06	0.0	-3.59e-06	-5.86
		-5.86	-3.59e-06	0.0	0.0	130.8	-5.26e-03	2.24	1.37e-06	0.0	-1.80e-06	-1.46
						261.5	-5.26e-03	0.0	1.37e-06	0.0	0.0	0.0
53	12	7.19	9.10e-06	0.04	5.50	0.0	0.01	-5.50	-3.48e-06	0.0	9.10e-06	7.19
		0.0	0.0	0.0	0.0	130.8	0.01	-2.75	-3.48e-06	0.0	4.55e-06	1.80
						261.5	0.01	0.0	-3.48e-06	0.0	0.0	0.0
53	21	0.34	0.0	0.04	0.66	0.0	1.18e-03	-0.43	1.35e-03	0.0	-3.53e-03	0.34
		-0.08	-3.53e-03	-7.34e-04	0.0	130.8	1.18e-03	-0.10	1.35e-03	0.0	-1.77e-03	-0.04
						261.5	1.18e-03	0.23	1.35e-03	0.0	0.0	0.0
53	22	0.26	0.0	0.04	0.66	0.0	-1.05e-03	-0.46	9.06e-04	0.0	-2.37e-03	0.26
		-0.10	-2.37e-03	-5.86e-04	0.0	130.8	-1.05e-03	-0.13	9.06e-04	0.0	-1.18e-03	-0.08
						261.5	-1.05e-03	0.20	9.06e-04	0.0	0.0	0.0
53	23	1.45	2.37e-03	-0.03	0.66	0.0	4.67e-03	-0.85	-9.07e-04	0.0	2.37e-03	1.45
		0.0	0.0	5.86e-04	0.0	130.8	4.67e-03	-0.53	-9.07e-04	0.0	1.19e-03	0.51
						261.5	4.67e-03	-0.20	-9.07e-04	0.0	0.0	0.0
53	24	1.37	3.53e-03	-0.03	0.66	0.0	2.43e-03	-0.88	-1.35e-03	0.0	3.53e-03	1.37
		0.0	0.0	7.34e-04	0.0	130.8	2.43e-03	-0.56	-1.35e-03	0.0	1.77e-03	0.47
						261.5	2.43e-03	-0.23	-1.35e-03	0.0	0.0	0.0
53	30	0.60	1.47e-03	0.02	0.66	0.0	-2.54e-03	-0.76	-5.62e-04	0.0	1.47e-03	0.60
		-0.02	0.0	5.64e-04	0.0	130.8	-2.54e-03	-0.43	-5.62e-04	0.0	7.35e-04	0.08
						261.5	-2.54e-03	-0.10	-5.62e-04	0.0	0.0	0.0
53	31	1.12	0.0	-6.01e-03	0.66	0.0	6.16e-03	-0.56	5.61e-04	0.0	-1.47e-03	1.12
		0.0	-1.47e-03	-5.64e-04	0.0	130.8	6.16e-03	-0.23	5.61e-04	0.0	-7.34e-04	0.34
						261.5	6.16e-03	0.10	5.61e-04	0.0	0.0	0.0
53	53	0.58	0.0	0.02	0.66	0.0	1.29e-03	-0.55	5.95e-04	0.0	-1.56e-03	0.58
		-0.02	-1.56e-03	-3.20e-04	0.0	130.8	1.29e-03	-0.22	5.95e-04	0.0	-7.78e-04	0.08
						261.5	1.29e-03	0.10	5.95e-04	0.0	0.0	0.0
53	56	1.13	1.56e-03	-8.60e-03	0.66	0.0	2.32e-03	-0.76	-5.96e-04	0.0	1.56e-03	1.13
		0.0	0.0	3.20e-04	0.0	130.8	2.32e-03	-0.43	-5.96e-04	0.0	7.79e-04	0.35
						261.5	2.32e-03	-0.10	-5.96e-04	0.0	0.0	0.0
53	58	0.59	0.0	0.02	0.66	0.0	7.68e-04	-0.55	5.96e-04	0.0	-1.56e-03	0.59
		-0.02	-1.56e-03	-3.20e-04	0.0	130.8	7.68e-04	-0.22	5.96e-04	0.0	-7.79e-04	0.08
						261.5	7.68e-04	0.10	5.96e-04	0.0	0.0	0.0
53	59	1.13	1.56e-03	-8.55e-03	0.66	0.0	2.85e-03	-0.76	-5.97e-04	0.0	1.56e-03	1.13
		0.0	0.0	3.20e-04	0.0	130.8	2.85e-03	-0.43	-5.97e-04	0.0	7.80e-04	0.35
						261.5	2.85e-03	-0.10	-5.97e-04	0.0	0.0	0.0

53	62	0.83	3.18e-04	8.77e-03	0.66	0.0	3.43e-04	-0.69	-1.22e-04	0.0	3.18e-04	0.83
		0.0	0.0	2.25e-04	0.0	130.8	3.43e-04	-0.37	-1.22e-04	0.0	1.59e-04	0.20
						261.5	3.43e-04	-0.04	-1.22e-04	0.0	0.0	0.0
53	63	0.88	0.0	-6.09e-04	0.66	0.0	3.27e-03	-0.62	1.21e-04	0.0	-3.16e-04	0.88
		0.0	-3.16e-04	-2.25e-04	0.0	130.8	3.27e-03	-0.29	1.21e-04	0.0	-1.58e-04	0.23
						261.5	3.27e-03	0.04	1.21e-04	0.0	0.0	0.0
53	78	4.19	5.68e-06	0.02	3.21	0.0	8.33e-03	-3.21	-2.17e-06	0.0	5.68e-06	4.19
		0.0	0.0	0.0	0.0	130.8	8.33e-03	-1.60	-2.17e-06	0.0	2.84e-06	1.05
						261.5	8.33e-03	0.0	-2.17e-06	0.0	0.0	0.0
53	81	0.0	0.0	-0.02	-2.72	0.0	-2.78e-03	2.72	0.0	0.0	-1.89e-06	-3.55
		-3.55	-1.89e-06	0.0	0.0	130.8	-2.78e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	0.0	0.0	0.0	0.0	0.0
53	84	1.52	2.12e-06	8.18e-03	1.17	0.0	3.11e-03	-1.17	0.0	0.0	2.12e-06	1.52
		0.0	0.0	0.0	0.0	130.8	3.11e-03	-0.58	0.0	0.0	1.06e-06	0.38
						261.5	3.11e-03	0.0	0.0	0.0	0.0	0.0
53	85	0.0	0.0	-1.34e-04	-0.02	0.0	8.91e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	0.0	0.0	0.0	0.0	0.0
53	87	0.86	1.23e-06	4.60e-03	0.66	0.0	1.81e-03	-0.66	0.0	0.0	1.23e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.81e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.0	0.0	0.0	0.0	0.0
54	3	6.22	8.41e-06	-0.03	4.75	0.0	0.01	0.0	3.22e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.38	3.22e-06	0.0	4.20e-06	1.55
						261.5	0.01	4.75	3.22e-06	0.0	8.41e-06	6.22
54	10	0.0	0.0	0.03	-4.48	0.0	-5.26e-03	0.0	-1.37e-06	0.0	0.0	0.0
		-5.86	-3.59e-06	0.0	0.0	130.8	-5.26e-03	-2.24	-1.37e-06	0.0	-1.80e-06	-1.46
						261.5	-5.26e-03	-4.48	-1.37e-06	0.0	-3.59e-06	-5.86
54	12	7.19	9.10e-06	-0.04	5.50	0.0	0.01	0.0	3.48e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.75	3.48e-06	0.0	4.55e-06	1.80
						261.5	0.01	5.50	3.48e-06	0.0	9.10e-06	7.19
54	21	0.26	3.54e-03	0.03	0.66	0.0	4.16e-03	0.20	1.35e-03	0.0	0.0	0.0
		-0.10	0.0	-7.36e-04	0.0	130.8	4.16e-03	0.53	1.35e-03	0.0	1.77e-03	-0.08
						261.5	4.16e-03	0.85	1.35e-03	0.0	3.54e-03	0.26
54	24	1.45	0.0	-0.03	0.66	0.0	-5.46e-04	-0.20	-1.35e-03	0.0	0.0	0.0
		0.0	-3.54e-03	7.36e-04	0.0	130.8	-5.46e-04	0.13	-1.35e-03	0.0	-1.77e-03	0.51
						261.5	-5.46e-04	0.46	-1.35e-03	0.0	-3.54e-03	1.45
54	37	0.91	0.0	4.91e-03	0.66	0.0	4.84e-03	-0.08	-2.56e-04	0.0	0.0	0.0
		0.0	-6.69e-04	4.91e-04	0.0	130.8	4.84e-03	0.25	-2.56e-04	0.0	-3.35e-04	0.24
						261.5	4.84e-03	0.58	-2.56e-04	0.0	-6.69e-04	0.91
54	40	0.80	6.72e-04	-0.01	0.66	0.0	-1.22e-03	0.08	2.57e-04	0.0	0.0	0.0
		0.0	0.0	-4.91e-04	0.0	130.8	-1.22e-03	0.41	2.57e-04	0.0	3.36e-04	0.19
						261.5	-1.22e-03	0.73	2.57e-04	0.0	6.72e-04	0.80
54	53	0.59	1.56e-03	8.55e-03	0.66	0.0	2.85e-03	0.10	5.97e-04	0.0	0.0	0.0
		-0.02	0.0	-3.20e-04	0.0	130.8	2.85e-03	0.42	5.97e-04	0.0	7.80e-04	0.08
						261.5	2.85e-03	0.75	5.97e-04	0.0	1.56e-03	0.59
54	56	1.13	0.0	-0.02	0.66	0.0	7.68e-04	-0.10	-5.96e-04	0.0	0.0	0.0
		0.0	-1.56e-03	3.20e-04	0.0	130.8	7.68e-04	0.23	-5.96e-04	0.0	-7.79e-04	0.35
						261.5	7.68e-04	0.56	-5.96e-04	0.0	-1.56e-03	1.13
54	57	0.58	1.23e-03	9.06e-03	0.66	0.0	3.02e-03	0.10	4.70e-04	0.0	0.0	0.0
		-0.02	0.0	-2.70e-04	0.0	130.8	3.02e-03	0.42	4.70e-04	0.0	6.14e-04	0.08
						261.5	3.02e-03	0.75	4.70e-04	0.0	1.23e-03	0.58
54	60	1.13	0.0	-0.02	0.66	0.0	5.96e-04	-0.10	-4.69e-04	0.0	0.0	0.0
		0.0	-1.23e-03	2.69e-04	0.0	130.8	5.96e-04	0.23	-4.69e-04	0.0	-6.13e-04	0.35
						261.5	5.96e-04	0.56	-4.69e-04	0.0	-1.23e-03	1.13
54	69	0.88	0.0	-1.04e-03	0.66	0.0	3.27e-03	-0.04	-1.21e-04	0.0	0.0	0.0
		0.0	-3.16e-04	2.25e-04	0.0	130.8	3.27e-03	0.29	-1.21e-04	0.0	-1.58e-04	0.23
						261.5	3.27e-03	0.62	-1.21e-04	0.0	-3.16e-04	0.88
54	72	0.83	3.18e-04	-8.77e-03	0.66	0.0	3.43e-04	0.04	1.22e-04	0.0	0.0	0.0
		0.0	0.0	-2.25e-04	0.0	130.8	3.43e-04	0.37	1.22e-04	0.0	1.59e-04	0.20
						261.5	3.43e-04	0.69	1.22e-04	0.0	3.18e-04	0.83
54	78	4.19	5.68e-06	-0.02	3.21	0.0	8.33e-03	0.0	2.17e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	8.33e-03	1.60	2.17e-06	0.0	2.84e-06	1.05
						261.5	8.33e-03	3.21	2.17e-06	0.0	5.68e-06	4.19
54	81	0.0	0.0	0.02	-2.72	0.0	-2.78e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	-1.89e-06	0.0	0.0	130.8	-2.78e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-2.78e-03	-2.72	0.0	0.0	-1.89e-06	-3.55
54	84	1.52	2.12e-06	-8.18e-03	1.17	0.0	3.11e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.11e-03	0.58	0.0	0.0	1.06e-06	0.38
						261.5	3.11e-03	1.17	0.0	0.0	2.12e-06	1.52
54	85	0.0	0.0	1.34e-04	-0.02	0.0	8.91e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	8.91e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	8.91e-04	-0.02	0.0	0.0	0.0	-0.03
54	87	0.86	1.23e-06	-4.60e-03	0.66	0.0	1.81e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.81e-03	0.33	0.0	0.0	0.0	0.21
						261.5	1.81e-03	0.66	0.0	0.0	1.23e-06	0.86
55	3	6.22	3.07e-05	-0.03	4.75	0.0	8.84e-03	0.0	1.17e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	8.84e-03	2.38	1.17e-05	0.0	1.53e-05	1.55

						261.5	8.84e-03	4.75	1.17e-05	0.0	3.07e-05	6.22
55	10	0.0	0.0	0.03	-4.48	0.0	-3.78e-03	0.0	-5.01e-06	0.0	0.0	0.0
		-5.86	-1.31e-05	0.0	0.0	130.8	-3.78e-03	-2.24	-5.01e-06	0.0	-6.55e-06	-1.46
						261.5	-3.78e-03	-4.48	-5.01e-06	0.0	-1.31e-05	-5.86
55	12	7.19	3.32e-05	-0.04	5.50	0.0	9.56e-03	0.0	1.27e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	9.56e-03	2.75	1.27e-05	0.0	1.66e-05	1.80
						261.5	9.56e-03	5.50	1.27e-05	0.0	3.32e-05	7.19
55	21	1.21	0.0	0.03	0.66	0.0	0.02	0.13	-4.95e-03	0.0	0.0	0.0
		0.0	-0.01	-7.36e-04	0.0	130.8	0.02	0.46	-4.95e-03	0.0	-6.47e-03	0.39
						261.5	0.02	0.79	-4.95e-03	0.0	-0.01	1.21
55	22	1.28	0.0	0.02	0.66	0.0	0.01	0.16	-3.26e-03	0.0	0.0	0.0
		0.0	-8.53e-03	-5.84e-04	0.0	130.8	0.01	0.49	-3.26e-03	0.0	-4.27e-03	0.43
						261.5	0.01	0.82	-3.26e-03	0.0	-8.53e-03	1.28
55	23	0.43	8.54e-03	-0.03	0.66	0.0	-0.01	-0.16	3.27e-03	0.0	0.0	0.0
		-0.05	0.0	5.84e-04	0.0	130.8	-0.01	0.17	3.27e-03	0.0	4.27e-03	2.82e-03
						261.5	-0.01	0.49	3.27e-03	0.0	8.54e-03	0.43
55	24	0.51	0.01	-0.04	0.66	0.0	-0.02	-0.13	4.95e-03	0.0	0.0	0.0
		-0.04	0.0	7.36e-04	0.0	130.8	-0.02	0.19	4.95e-03	0.0	6.48e-03	0.04
						261.5	-0.02	0.52	4.95e-03	0.0	0.01	0.51
55	53	1.03	0.0	8.40e-03	0.66	0.0	0.01	0.06	-2.18e-03	0.0	0.0	0.0
		0.0	-5.70e-03	-3.20e-04	0.0	130.8	0.01	0.39	-2.18e-03	0.0	-2.85e-03	0.30
						261.5	0.01	0.72	-2.18e-03	0.0	-5.70e-03	1.03
55	54	1.05	0.0	7.92e-03	0.66	0.0	7.95e-03	0.07	-1.70e-03	0.0	0.0	0.0
		0.0	-4.46e-03	-2.69e-04	0.0	130.8	7.95e-03	0.40	-1.70e-03	0.0	-2.23e-03	0.31
						261.5	7.95e-03	0.73	-1.70e-03	0.0	-4.46e-03	1.05
55	55	0.67	4.46e-03	-0.02	0.66	0.0	-5.36e-03	-0.07	1.71e-03	0.0	0.0	0.0
		-0.01	0.0	2.69e-04	0.0	130.8	-5.36e-03	0.26	1.71e-03	0.0	2.23e-03	0.12
						261.5	-5.36e-03	0.58	1.71e-03	0.0	4.46e-03	0.67
55	56	0.69	5.71e-03	-0.02	0.66	0.0	-7.75e-03	-0.06	2.18e-03	0.0	0.0	0.0
		-7.63e-03	0.0	3.20e-04	0.0	130.8	-7.75e-03	0.26	2.18e-03	0.0	2.86e-03	0.13
						261.5	-7.75e-03	0.59	2.18e-03	0.0	5.71e-03	0.69
55	58	1.04	0.0	7.97e-03	0.66	0.0	8.48e-03	0.06	-2.18e-03	0.0	0.0	0.0
		0.0	-5.71e-03	-3.20e-04	0.0	130.8	8.48e-03	0.39	-2.18e-03	0.0	-2.85e-03	0.31
						261.5	8.48e-03	0.72	-2.18e-03	0.0	-5.71e-03	1.04
55	59	0.67	5.72e-03	-0.02	0.66	0.0	-5.89e-03	-0.06	2.19e-03	0.0	0.0	0.0
		-0.01	0.0	3.20e-04	0.0	130.8	-5.89e-03	0.26	2.19e-03	0.0	2.86e-03	0.12
						261.5	-5.89e-03	0.59	2.19e-03	0.0	5.72e-03	0.67
55	78	4.19	2.07e-05	-0.02	3.21	0.0	5.97e-03	0.0	7.93e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	5.97e-03	1.60	7.93e-06	0.0	1.04e-05	1.05
						261.5	5.97e-03	3.21	7.93e-06	0.0	2.07e-05	4.19
55	81	0.0	0.0	0.02	-2.72	0.0	-1.99e-03	0.0	-2.64e-06	0.0	0.0	0.0
		-3.55	-6.91e-06	0.0	0.0	130.8	-1.99e-03	-1.36	-2.64e-06	0.0	-3.46e-06	-0.89
						261.5	-1.99e-03	-2.72	-2.64e-06	0.0	-6.91e-06	-3.55
55	84	1.52	7.75e-06	-8.18e-03	1.17	0.0	2.23e-03	0.0	2.96e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.23e-03	0.58	2.96e-06	0.0	3.87e-06	0.38
						261.5	2.23e-03	1.17	2.96e-06	0.0	7.75e-06	1.52
55	85	0.0	2.22e-06	1.34e-04	-0.02	0.0	6.39e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	6.39e-04	-9.57e-03	0.0	0.0	1.11e-06	-6.26e-03
						261.5	6.39e-04	-0.02	0.0	0.0	2.22e-06	-0.03
55	87	0.86	4.50e-06	-4.60e-03	0.66	0.0	1.30e-03	0.0	1.72e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.30e-03	0.33	1.72e-06	0.0	2.25e-06	0.21
						261.5	1.30e-03	0.66	1.72e-06	0.0	4.50e-06	0.86
56	3	6.22	3.07e-05	0.03	4.75	0.0	8.84e-03	-4.75	-1.17e-05	0.0	3.07e-05	6.22
		0.0	0.0	0.0	0.0	130.8	8.84e-03	-2.38	-1.17e-05	0.0	1.53e-05	1.55
						261.5	8.84e-03	0.0	-1.17e-05	0.0	0.0	0.0
56	10	0.0	0.0	-0.03	-4.48	0.0	-3.78e-03	4.48	5.01e-06	0.0	-1.31e-05	-5.86
		-5.86	-1.31e-05	0.0	0.0	130.8	-3.78e-03	2.24	5.01e-06	0.0	-6.55e-06	-1.46
						261.5	-3.78e-03	0.0	5.01e-06	0.0	0.0	0.0
56	12	7.19	3.32e-05	0.04	5.50	0.0	9.56e-03	-5.50	-1.27e-05	0.0	3.32e-05	7.19
		0.0	0.0	0.0	0.0	130.8	9.56e-03	-2.75	-1.27e-05	0.0	1.66e-05	1.80
						261.5	9.56e-03	0.0	-1.27e-05	0.0	0.0	0.0
56	21	0.44	0.01	0.03	0.66	0.0	-0.01	-0.49	-4.96e-03	0.0	0.01	0.44
		-0.05	0.0	-7.34e-04	0.0	130.8	-0.01	-0.17	-4.96e-03	0.0	6.48e-03	3.88e-03
						261.5	-0.01	0.16	-4.96e-03	0.0	0.0	0.0
56	22	0.50	8.53e-03	0.04	0.66	0.0	-0.02	-0.52	-3.26e-03	0.0	8.53e-03	0.50
		-0.04	0.0	-5.86e-04	0.0	130.8	-0.02	-0.19	-3.26e-03	0.0	4.27e-03	0.04
						261.5	-0.02	0.13	-3.26e-03	0.0	0.0	0.0
56	23	1.21	0.0	-0.03	0.66	0.0	0.02	-0.79	3.26e-03	0.0	-8.52e-03	1.21
		0.0	-8.52e-03	5.86e-04	0.0	130.8	0.02	-0.46	3.26e-03	0.0	-4.26e-03	0.39
						261.5	0.02	-0.13	3.26e-03	0.0	0.0	0.0
56	24	1.28	0.0	-0.02	0.66	0.0	0.02	-0.82	4.95e-03	0.0	-0.01	1.28
		0.0	-0.01	7.34e-04	0.0	130.8	0.02	-0.49	4.95e-03	0.0	-6.48e-03	0.42
						261.5	0.02	-0.16	4.95e-03	0.0	0.0	0.0
56	53	0.69	5.72e-03	0.02	0.66	0.0	-5.89e-03	-0.59	-2.19e-03	0.0	5.72e-03	0.69
		-7.74e-03	0.0	-3.20e-04	0.0	130.8	-5.89e-03	-0.26	-2.19e-03	0.0	2.86e-03	0.13
						261.5	-5.89e-03	0.06	-2.19e-03	0.0	0.0	0.0
56	56	1.03	0.0	-7.97e-03	0.66	0.0	8.48e-03	-0.72	2.18e-03	0.0	-5.71e-03	1.03

		0.0	-5.71e-03	3.20e-04	0.0	130.8	8.48e-03	-0.39	2.18e-03	0.0	-2.85e-03	0.30
						261.5	8.48e-03	-0.06	2.18e-03	0.0	0.0	0.0
56	58	0.67	5.71e-03	0.02	0.66	0.0	-7.75e-03	-0.58	-2.18e-03	0.0	5.71e-03	0.67
		-0.01	0.0	-3.20e-04	0.0	130.8	-7.75e-03	-0.26	-2.18e-03	0.0	2.86e-03	0.12
						261.5	-7.75e-03	0.07	-2.18e-03	0.0	0.0	0.0
56	59	1.05	0.0	-8.40e-03	0.66	0.0	0.01	-0.73	2.18e-03	0.0	-5.70e-03	1.05
		0.0	-5.70e-03	3.20e-04	0.0	130.8	0.01	-0.40	2.18e-03	0.0	-2.85e-03	0.31
						261.5	0.01	-0.07	2.18e-03	0.0	0.0	0.0
56	78	4.19	2.07e-05	0.02	3.21	0.0	5.97e-03	-3.21	-7.93e-06	0.0	2.07e-05	4.19
		0.0	0.0	0.0	0.0	130.8	5.97e-03	-1.60	-7.93e-06	0.0	1.04e-05	1.05
						261.5	5.97e-03	0.0	-7.93e-06	0.0	0.0	0.0
56	81	0.0	0.0	-0.02	-2.72	0.0	-1.99e-03	2.72	2.64e-06	0.0	-6.91e-06	-3.55
		-3.55	-6.91e-06	0.0	0.0	130.8	-1.99e-03	1.36	2.64e-06	0.0	-3.46e-06	-0.89
						261.5	-1.99e-03	0.0	2.64e-06	0.0	0.0	0.0
56	84	1.52	7.75e-06	8.18e-03	1.17	0.0	2.23e-03	-1.17	-2.96e-06	0.0	7.75e-06	1.52
		0.0	0.0	0.0	0.0	130.8	2.23e-03	-0.58	-2.96e-06	0.0	3.87e-06	0.38
						261.5	2.23e-03	0.0	-2.96e-06	0.0	0.0	0.0
56	85	0.0	2.22e-06	-1.34e-04	-0.02	0.0	6.39e-04	0.02	0.0	0.0	2.22e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	6.39e-04	9.57e-03	0.0	0.0	1.11e-06	-6.26e-03
						261.5	6.39e-04	0.0	0.0	0.0	0.0	0.0
56	87	0.86	4.50e-06	4.60e-03	0.66	0.0	1.30e-03	-0.66	-1.72e-06	0.0	4.50e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.30e-03	-0.33	-1.72e-06	0.0	2.25e-06	0.21
						261.5	1.30e-03	0.0	-1.72e-06	0.0	0.0	0.0
57	3	3.31	6.67e-05	0.02	2.53	0.0	-0.01	-2.53	-2.55e-05	0.0	6.67e-05	3.31
		0.0	0.0	0.0	0.0	130.8	-0.01	-1.27	-2.55e-05	0.0	3.33e-05	0.83
						261.5	-0.01	0.0	-2.55e-05	0.0	0.0	0.0
57	10	0.0	0.0	-0.03	-4.65	0.0	5.53e-03	4.65	1.09e-05	0.0	-2.85e-05	-6.08
		-6.08	-2.85e-05	0.0	0.0	130.8	5.53e-03	2.33	1.09e-05	0.0	-1.42e-05	-1.52
						261.5	5.53e-03	0.0	1.09e-05	0.0	0.0	0.0
57	12	4.29	7.22e-05	0.02	3.28	0.0	-0.01	-3.28	-2.76e-05	0.0	7.22e-05	4.29
		0.0	0.0	0.0	0.0	130.8	-0.01	-1.64	-2.76e-05	0.0	3.61e-05	1.07
						261.5	-0.01	0.0	-2.76e-05	0.0	0.0	0.0
57	21	0.31	0.0	0.03	0.45	0.0	0.03	-0.34	0.02	0.0	-0.05	0.31
		-0.03	-0.05	-7.34e-04	0.0	130.8	0.03	-0.12	0.02	0.0	-0.03	6.20e-03
						261.5	0.03	0.11	0.02	0.0	0.0	0.0
57	22	0.34	0.0	0.03	0.45	0.0	0.04	-0.35	0.01	0.0	-0.03	0.34
		-0.03	-0.03	-5.86e-04	0.0	130.8	0.04	-0.13	0.01	0.0	-0.02	0.02
						261.5	0.04	0.09	0.01	0.0	0.0	0.0
57	23	0.83	0.03	-0.02	0.45	0.0	-0.04	-0.54	-0.01	0.0	0.03	0.83
		0.0	0.0	5.86e-04	0.0	130.8	-0.04	-0.32	-0.01	0.0	0.02	0.27
						261.5	-0.04	-0.09	-0.01	0.0	0.0	0.0
57	24	0.87	0.05	-0.02	0.45	0.0	-0.03	-0.56	-0.02	0.0	0.05	0.87
		0.0	0.0	7.34e-04	0.0	130.8	-0.03	-0.33	-0.02	0.0	0.03	0.29
						261.5	-0.03	-0.11	-0.02	0.0	0.0	0.0
57	57	0.45	0.0	0.01	0.45	0.0	0.01	-0.40	6.58e-03	0.0	-0.02	0.45
		-7.45e-03	-0.02	-2.69e-04	0.0	130.8	0.01	-0.17	6.58e-03	0.0	-8.61e-03	0.08
						261.5	0.01	0.05	6.58e-03	0.0	0.0	0.0
57	58	0.46	0.0	0.01	0.45	0.0	0.02	-0.40	8.43e-03	0.0	-0.02	0.46
		-6.38e-03	-0.02	-3.20e-04	0.0	130.8	0.02	-0.18	8.43e-03	0.0	-0.01	0.08
						261.5	0.02	0.05	8.43e-03	0.0	0.0	0.0
57	59	0.71	0.02	-8.22e-03	0.45	0.0	-0.02	-0.50	-8.44e-03	0.0	0.02	0.71
		0.0	0.0	3.21e-04	0.0	130.8	-0.02	-0.27	-8.44e-03	0.0	0.01	0.21
						261.5	-0.02	-0.05	-8.44e-03	0.0	0.0	0.0
57	60	0.72	0.02	-8.69e-03	0.45	0.0	-0.02	-0.50	-6.59e-03	0.0	0.02	0.72
		0.0	0.0	2.69e-04	0.0	130.8	-0.02	-0.27	-6.59e-03	0.0	8.62e-03	0.21
						261.5	-0.02	-0.05	-6.59e-03	0.0	0.0	0.0
57	78	2.25	4.51e-05	0.01	1.72	0.0	-8.74e-03	-1.72	-1.72e-05	0.0	4.51e-05	2.25
		0.0	0.0	0.0	0.0	130.8	-8.74e-03	-0.86	-1.72e-05	0.0	2.25e-05	0.56
						261.5	-8.74e-03	0.0	-1.72e-05	0.0	0.0	0.0
57	81	0.0	0.0	-0.02	-2.93	0.0	2.91e-03	2.93	5.75e-06	0.0	-1.50e-05	-3.82
		-3.82	-1.50e-05	0.0	0.0	130.8	2.91e-03	1.46	5.75e-06	0.0	-7.51e-06	-0.96
						261.5	2.91e-03	0.0	5.75e-06	0.0	0.0	0.0
57	84	0.92	1.68e-05	4.93e-03	0.70	0.0	-3.27e-03	-0.70	-6.44e-06	0.0	1.68e-05	0.92
		0.0	0.0	0.0	0.0	130.8	-3.27e-03	-0.35	-6.44e-06	0.0	8.42e-06	0.23
						261.5	-3.27e-03	0.0	-6.44e-06	0.0	0.0	0.0
57	85	0.0	4.82e-06	-1.59e-03	-0.23	0.0	-9.35e-04	0.23	-1.84e-06	0.0	4.82e-06	-0.30
		-0.30	0.0	0.0	0.0	130.8	-9.35e-04	0.11	-1.84e-06	0.0	2.41e-06	-0.07
						261.5	-9.35e-04	0.0	-1.84e-06	0.0	0.0	0.0
57	87	0.59	9.78e-06	3.14e-03	0.45	0.0	-1.90e-03	-0.45	-3.74e-06	0.0	9.78e-06	0.59
		0.0	0.0	0.0	0.0	130.8	-1.90e-03	-0.22	-3.74e-06	0.0	4.89e-06	0.15
						261.5	-1.90e-03	0.0	-3.74e-06	0.0	0.0	0.0
58	3	3.31	6.67e-05	-0.02	2.53	0.0	-0.01	0.0	2.55e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	1.27	2.55e-05	0.0	3.33e-05	0.83
						261.5	-0.01	2.53	2.55e-05	0.0	6.67e-05	3.31
58	10	0.0	0.0	0.03	-4.65	0.0	5.53e-03	0.0	-1.09e-05	0.0	0.0	0.0
		-6.08	-2.85e-05	0.0	0.0	130.8	5.53e-03	-2.33	-1.09e-05	0.0	-1.42e-05	-1.52
						261.5	5.53e-03	-4.65	-1.09e-05	0.0	-2.85e-05	-6.08

58	12	4.29	7.22e-05	-0.02	3.28	0.0	-0.01	0.0	2.76e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	1.64	2.76e-05	0.0	3.61e-05	1.07
						261.5	-0.01	3.28	2.76e-05	0.0	7.22e-05	4.29
58	21	0.87	0.05	0.02	0.45	0.0	-0.04	0.11	0.02	0.0	0.0	0.0
		0.0	0.0	-7.36e-04	0.0	130.8	-0.04	0.33	0.02	0.0	0.03	0.29
						261.5	-0.04	0.56	0.02	0.0	0.05	0.87
58	24	0.30	0.0	-0.03	0.45	0.0	0.04	-0.11	-0.02	0.0	0.0	0.0
		-0.03	-0.05	7.36e-04	0.0	130.8	0.04	0.12	-0.02	0.0	-0.03	5.55e-03
						261.5	0.04	0.34	-0.02	0.0	-0.05	0.30
58	53	0.72	0.02	8.22e-03	0.45	0.0	-0.02	0.05	8.44e-03	0.0	0.0	0.0
		0.0	0.0	-3.21e-04	0.0	130.8	-0.02	0.27	8.44e-03	0.0	0.01	0.21
						261.5	-0.02	0.50	8.44e-03	0.0	0.02	0.72
58	56	0.45	0.0	-0.01	0.45	0.0	0.02	-0.05	-8.43e-03	0.0	0.0	0.0
		-7.45e-03	-0.02	3.20e-04	0.0	130.8	0.02	0.17	-8.43e-03	0.0	-0.01	0.08
						261.5	0.02	0.40	-8.43e-03	0.0	-0.02	0.45
58	78	2.25	4.51e-05	-0.01	1.72	0.0	-8.74e-03	0.0	1.72e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-8.74e-03	0.86	1.72e-05	0.0	2.25e-05	0.56
						261.5	-8.74e-03	1.72	1.72e-05	0.0	4.51e-05	2.25
58	81	0.0	0.0	0.02	-2.93	0.0	2.91e-03	0.0	-5.75e-06	0.0	0.0	0.0
		-3.82	-1.50e-05	0.0	0.0	130.8	2.91e-03	-1.46	-5.75e-06	0.0	-7.51e-06	-0.96
						261.5	2.91e-03	-2.93	-5.75e-06	0.0	-1.50e-05	-3.82
58	84	0.92	1.68e-05	-4.93e-03	0.70	0.0	-3.27e-03	0.0	6.44e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-3.27e-03	0.35	6.44e-06	0.0	8.42e-06	0.23
						261.5	-3.27e-03	0.70	6.44e-06	0.0	1.68e-05	0.92
58	85	0.0	4.82e-06	1.59e-03	-0.23	0.0	-9.35e-04	0.0	1.84e-06	0.0	0.0	0.0
		-0.30	0.0	0.0	0.0	130.8	-9.35e-04	-0.11	1.84e-06	0.0	2.41e-06	-0.07
						261.5	-9.35e-04	-0.23	1.84e-06	0.0	4.82e-06	-0.30
58	87	0.59	9.78e-06	-3.14e-03	0.45	0.0	-1.90e-03	0.0	3.74e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-1.90e-03	0.22	3.74e-06	0.0	4.89e-06	0.15
						261.5	-1.90e-03	0.45	3.74e-06	0.0	9.78e-06	0.59
59	3	-0.17	0.0	-0.01	-0.40	0.0	-0.24	24.33	0.0	0.0	0.0	-27.52
		-27.52	0.0	0.0	0.0	56.7	-0.24	24.12	0.0	0.0	0.0	-13.79
						113.4	-0.24	23.92	0.0	0.0	0.0	-0.17
59	10	22.53	0.0	7.74e-03	-0.31	0.0	0.12	-19.94	0.0	0.0	0.0	22.53
		-0.25	0.0	0.0	0.0	56.7	0.12	-20.09	0.0	0.0	0.0	11.19
						113.4	0.12	-20.25	0.0	0.0	0.0	-0.25
59	12	-0.14	0.0	-0.01	-0.40	0.0	-0.26	27.80	0.0	0.0	0.0	-31.44
		-31.44	0.0	0.0	0.0	56.7	-0.26	27.60	0.0	0.0	0.0	-15.73
						113.4	-0.26	27.40	0.0	0.0	0.0	-0.14
59	21	0.57	0.42	-1.69e-03	-0.31	0.0	9.75e-03	3.55	1.72	1.75	-1.53	-3.29
		-3.29	-1.53	-6.81e-05	0.0	56.7	9.75e-03	3.40	1.72	1.75	-0.55	-1.32
						113.4	9.75e-03	3.24	1.72	1.75	0.42	0.57
59	24	-0.64	1.53	-1.56e-03	-0.31	0.0	-0.08	4.57	-1.72	-1.75	1.53	-5.64
		-5.64	-0.42	6.81e-05	0.0	56.7	-0.08	4.41	-1.72	-1.75	0.55	-3.09
						113.4	-0.08	4.26	-1.72	-1.75	-0.42	-0.64
59	33	1.98	0.36	-1.84e-03	-0.31	0.0	0.12	2.37	1.45	0.34	-1.29	-0.55
		-0.55	-1.29	1.21e-04	0.0	56.7	0.12	2.21	1.45	0.34	-0.47	0.76
						113.4	0.12	2.06	1.45	0.34	0.36	1.98
59	34	-2.05	0.54	-1.40e-03	-0.31	0.0	-0.19	5.76	-0.61	0.75	0.54	-8.38
		-8.38	-0.15	-1.90e-04	0.0	56.7	-0.19	5.60	-0.61	0.75	0.20	-5.17
						113.4	-0.19	5.45	-0.61	0.75	-0.15	-2.05
59	35	1.98	0.15	-1.84e-03	-0.31	0.0	0.12	2.36	0.61	-0.75	-0.54	-0.55
		-0.55	-0.54	1.90e-04	0.0	56.7	0.12	2.21	0.61	-0.75	-0.20	0.76
						113.4	0.12	2.06	0.61	-0.75	0.15	1.98
59	36	-2.05	1.29	-1.40e-03	-0.31	0.0	-0.19	5.76	-1.45	-0.34	1.29	-8.38
		-8.38	-0.36	-1.21e-04	0.0	56.7	-0.19	5.60	-1.45	-0.34	0.47	-5.17
						113.4	-0.19	5.45	-1.45	-0.34	-0.36	-2.05
59	58	-0.23	0.18	-1.60e-03	-0.31	0.0	-0.05	4.22	0.75	0.81	-0.67	-4.84
		-4.84	-0.67	-4.45e-05	0.0	56.7	-0.05	4.07	0.75	0.81	-0.24	-2.49
						113.4	-0.05	3.91	0.75	0.81	0.18	-0.23
59	59	0.16	0.67	-1.64e-03	-0.31	0.0	-0.02	3.90	-0.75	-0.81	0.67	-4.09
		-4.09	-0.18	4.45e-05	0.0	56.7	-0.02	3.75	-0.75	-0.81	0.24	-1.92
						113.4	-0.02	3.59	-0.75	-0.81	-0.18	0.16
59	66	-0.68	0.09	-1.56e-03	-0.31	0.0	-0.08	4.59	-0.10	0.31	0.09	-5.70
		-5.70	-0.02	-5.45e-05	0.0	56.7	-0.08	4.44	-0.10	0.31	0.03	-3.15
						113.4	-0.08	4.29	-0.10	0.31	-0.02	-0.68
59	73	0.60	0.09	-1.68e-03	-0.31	0.0	0.01	3.53	-0.10	0.31	0.09	-3.23
		-3.23	-0.02	-5.45e-05	0.0	56.7	0.01	3.37	-0.10	0.31	0.03	-1.27
						113.4	0.01	3.22	-0.10	0.31	-0.02	0.60
59	75	0.60	0.44	-1.68e-03	-0.31	0.0	0.01	3.53	-0.50	-0.19	0.44	-3.23
		-3.23	-0.12	-2.15e-05	0.0	56.7	0.01	3.37	-0.50	-0.19	0.16	-1.27
						113.4	0.01	3.22	-0.50	-0.19	-0.12	0.60
59	76	-0.68	0.02	-1.56e-03	-0.31	0.0	-0.08	4.59	0.10	-0.31	-0.09	-5.70
		-5.70	-0.09	5.45e-05	0.0	56.7	-0.08	4.44	0.10	-0.31	-0.03	-3.15
						113.4	-0.08	4.29	0.10	-0.31	0.02	-0.68
59	78	-0.11	0.0	-6.90e-03	-0.31	0.0	-0.16	16.51	0.0	0.0	0.0	-18.66
		-18.66	0.0	0.0	0.0	56.7	-0.16	16.35	0.0	0.0	0.0	-9.34

						113.4	-0.16	16.20	0.0	0.0	0.0	-0.11
59	81	13.25	0.0	4.51e-03	-0.31	0.0	0.06	-11.69	0.0	0.0	0.0	13.25
		-0.18	0.0	0.0	0.0	56.7	0.06	-11.84	0.0	0.0	0.0	6.58
						113.4	0.06	-12.00	0.0	0.0	0.0	-0.18
59	84	-0.05	0.0	-2.68e-03	-0.31	0.0	-0.06	6.55	0.0	0.0	0.0	-7.30
		-7.30	0.0	0.0	0.0	56.7	-0.06	6.40	0.0	0.0	0.0	-3.63
						113.4	-0.06	6.24	0.0	0.0	0.0	-0.05
59	85	-0.07	0.0	-3.96e-04	-0.31	0.0	-0.02	0.91	0.0	0.0	0.0	-0.92
		-0.92	0.0	0.0	0.0	56.7	-0.02	0.76	0.0	0.0	0.0	-0.45
						113.4	-0.02	0.60	0.0	0.0	0.0	-0.07
59	86	-0.03	0.0	-1.80e-03	-0.31	0.0	-0.04	4.52	0.0	0.0	0.0	-4.99
		-4.99	0.0	0.0	0.0	56.7	-0.04	4.37	0.0	0.0	0.0	-2.47
						113.4	-0.04	4.22	0.0	0.0	0.0	-0.03
59	87	-0.04	0.0	-1.62e-03	-0.31	0.0	-0.04	4.06	0.0	0.0	0.0	-4.47
		-4.47	0.0	0.0	0.0	56.7	-0.04	3.91	0.0	0.0	0.0	-2.21
						113.4	-0.04	3.75	0.0	0.0	0.0	-0.04
60	3	3.31	0.0	-0.02	2.53	0.0	-0.02	0.0	-3.68e-05	0.0	0.0	0.0
		0.0	-9.61e-05	1.01e-06	0.0	130.8	-0.02	1.27	-3.68e-05	0.0	-4.81e-05	0.83
						261.5	-0.02	2.53	-3.68e-05	0.0	-9.61e-05	3.31
60	10	0.0	4.61e-05	0.03	-4.65	0.0	9.46e-03	0.0	1.76e-05	0.0	0.0	0.0
		-6.08	0.0	0.0	0.0	130.8	9.46e-03	-2.33	1.76e-05	0.0	2.31e-05	-1.52
						261.5	9.46e-03	-4.65	1.76e-05	0.0	4.61e-05	-6.08
60	12	4.29	0.0	-0.02	3.28	0.0	-0.02	0.0	-4.01e-05	0.0	0.0	0.0
		0.0	-1.05e-04	1.10e-06	0.0	130.8	-0.02	1.64	-4.01e-05	0.0	-5.24e-05	1.07
						261.5	-0.02	3.28	-4.01e-05	0.0	-1.05e-04	4.29
60	21	0.87	0.0	0.02	0.45	0.0	-0.04	0.11	-0.02	0.0	0.0	0.0
		0.0	-0.05	-8.35e-04	0.0	130.8	-0.04	0.33	-0.02	0.0	-0.03	0.29
						261.5	-0.04	0.56	-0.02	0.0	-0.05	0.87
60	24	0.30	0.05	-0.03	0.45	0.0	0.03	-0.11	0.02	0.0	0.0	0.0
		-0.03	0.0	8.35e-04	0.0	130.8	0.03	0.11	0.02	0.0	0.03	3.65e-03
						261.5	0.03	0.34	0.02	0.0	0.05	0.30
60	26	0.85	0.0	0.02	0.45	0.0	-0.05	0.10	-0.02	0.0	0.0	0.0
		0.0	-0.05	-8.75e-04	0.0	130.8	-0.05	0.32	-0.02	0.0	-0.02	0.28
						261.5	-0.05	0.55	-0.02	0.0	-0.05	0.85
60	27	0.33	0.05	-0.03	0.45	0.0	0.04	-0.10	0.02	0.0	0.0	0.0
		-0.03	0.0	8.75e-04	0.0	130.8	0.04	0.12	0.02	0.0	0.02	0.02
						261.5	0.04	0.35	0.02	0.0	0.05	0.33
60	57	0.72	0.0	8.74e-03	0.45	0.0	-0.02	0.05	-6.53e-03	0.0	0.0	0.0
		0.0	-0.02	-5.10e-04	0.0	130.8	-0.02	0.28	-6.53e-03	0.0	-8.53e-03	0.21
						261.5	-0.02	0.50	-6.53e-03	0.0	-0.02	0.72
60	58	0.71	0.0	8.28e-03	0.45	0.0	-0.02	0.05	-8.55e-03	0.0	0.0	0.0
		0.0	-0.02	-4.29e-04	0.0	130.8	-0.02	0.27	-8.55e-03	0.0	-0.01	0.21
						261.5	-0.02	0.50	-8.55e-03	0.0	-0.02	0.71
60	59	0.46	0.02	-0.01	0.45	0.0	0.02	-0.05	8.54e-03	0.0	0.0	0.0
		-6.72e-03	0.0	4.29e-04	0.0	130.8	0.02	0.18	8.54e-03	0.0	0.01	0.08
						261.5	0.02	0.40	8.54e-03	0.0	0.02	0.46
60	60	0.45	0.02	-0.02	0.45	0.0	0.01	-0.05	6.51e-03	0.0	0.0	0.0
		-7.77e-03	0.0	5.10e-04	0.0	130.8	0.01	0.17	6.51e-03	0.0	8.52e-03	0.08
						261.5	0.01	0.40	6.51e-03	0.0	0.02	0.45
60	78	2.25	0.0	-0.01	1.72	0.0	-0.01	0.0	-2.48e-05	0.0	0.0	0.0
		0.0	-6.50e-05	0.0	0.0	130.8	-0.01	0.86	-2.48e-05	0.0	-3.25e-05	0.56
						261.5	-0.01	1.72	-2.48e-05	0.0	-6.50e-05	2.25
60	81	0.0	2.50e-05	0.02	-2.93	0.0	5.12e-03	0.0	9.55e-06	0.0	0.0	0.0
		-3.82	0.0	0.0	0.0	130.8	5.12e-03	-1.46	9.55e-06	0.0	1.25e-05	-0.96
						261.5	5.12e-03	-2.93	9.55e-06	0.0	2.50e-05	-3.82
60	84	0.92	0.0	-4.93e-03	0.70	0.0	-5.01e-03	0.0	-9.34e-06	0.0	0.0	0.0
		0.0	-2.44e-05	0.0	0.0	130.8	-5.01e-03	0.35	-9.34e-06	0.0	-1.22e-05	0.23
						261.5	-5.01e-03	0.70	-9.34e-06	0.0	-2.44e-05	0.92
60	85	0.0	0.0	1.59e-03	-0.23	0.0	-1.32e-03	0.0	-2.46e-06	0.0	0.0	0.0
		-0.30	-6.43e-06	0.0	0.0	130.8	-1.32e-03	-0.11	-2.46e-06	0.0	-3.22e-06	-0.07
						261.5	-1.32e-03	-0.23	-2.46e-06	0.0	-6.43e-06	-0.30
60	87	0.59	0.0	-3.14e-03	0.45	0.0	-2.93e-03	0.0	-5.46e-06	0.0	0.0	0.0
		0.0	-1.43e-05	0.0	0.0	130.8	-2.93e-03	0.22	-5.46e-06	0.0	-7.14e-06	0.15
						261.5	-2.93e-03	0.45	-5.46e-06	0.0	-1.43e-05	0.59
61	3	3.31	0.0	0.02	2.53	0.0	-0.02	-2.53	3.68e-05	0.0	-9.61e-05	3.31
		0.0	-9.61e-05	-1.01e-06	0.0	130.8	-0.02	-1.27	3.68e-05	0.0	-4.81e-05	0.83
						261.5	-0.02	0.0	3.68e-05	0.0	0.0	0.0
61	10	0.0	4.61e-05	-0.03	-4.65	0.0	9.46e-03	4.65	-1.76e-05	0.0	4.61e-05	-6.08
		-6.08	0.0	0.0	0.0	130.8	9.46e-03	2.33	-1.76e-05	0.0	2.31e-05	-1.52
						261.5	9.46e-03	0.0	-1.76e-05	0.0	0.0	0.0
61	12	4.29	0.0	0.02	3.28	0.0	-0.02	-3.28	4.01e-05	0.0	-1.05e-04	4.29
		0.0	-1.05e-04	-1.10e-06	0.0	130.8	-0.02	-1.64	4.01e-05	0.0	-5.24e-05	1.07
						261.5	-0.02	0.0	4.01e-05	0.0	0.0	0.0
61	21	0.30	0.05	0.03	0.45	0.0	0.04	-0.54	-0.02	0.0	0.05	0.30
		-0.04	0.0	-8.31e-04	0.0	130.8	0.04	-0.32	-0.02	0.0	0.03	3.06e-03
						261.5	0.04	-0.10	-0.02	0.0	0.0	0.0
61	24	0.87	0.0	-0.02	0.45	0.0	-0.05	-0.35	0.02	0.0	-0.05	0.87

		0.0	-0.05	8.30e-04	0.0	130.8	-0.05	-0.13	0.02	0.0	-0.03	0.29
						261.5	-0.05	0.10	0.02	0.0	0.0	0.0
61	53	0.45	0.02	0.01	0.45	0.0	0.02	-0.50	-8.54e-03	0.0	0.02	0.45
		-7.77e-03	0.0	-4.29e-04	0.0	130.8	0.02	-0.27	-8.54e-03	0.0	0.01	0.08
						261.5	0.02	-0.05	-8.54e-03	0.0	0.0	0.0
61	56	0.72	0.0	-8.28e-03	0.45	0.0	-0.02	-0.40	8.55e-03	0.0	-0.02	0.72
		0.0	-0.02	4.29e-04	0.0	130.8	-0.02	-0.18	8.55e-03	0.0	-0.01	0.21
						261.5	-0.02	0.05	8.55e-03	0.0	0.0	0.0
61	78	2.25	0.0	0.01	1.72	0.0	-0.01	-1.72	2.48e-05	0.0	-6.50e-05	2.25
		0.0	-6.50e-05	0.0	0.0	130.8	-0.01	-0.86	2.48e-05	0.0	-3.25e-05	0.56
						261.5	-0.01	0.0	2.48e-05	0.0	0.0	0.0
61	81	0.0	2.50e-05	-0.02	-2.93	0.0	5.12e-03	2.93	-9.55e-06	0.0	2.50e-05	-3.82
		-3.82	0.0	0.0	0.0	130.8	5.12e-03	1.46	-9.55e-06	0.0	1.25e-05	-0.96
						261.5	5.12e-03	0.0	-9.55e-06	0.0	0.0	0.0
61	84	0.92	0.0	4.93e-03	0.70	0.0	-5.01e-03	-0.70	9.34e-06	0.0	-2.44e-05	0.92
		0.0	-2.44e-05	0.0	0.0	130.8	-5.01e-03	-0.35	9.34e-06	0.0	-1.22e-05	0.23
						261.5	-5.01e-03	0.0	9.34e-06	0.0	0.0	0.0
61	85	0.0	0.0	-1.59e-03	-0.23	0.0	-1.32e-03	0.23	2.46e-06	0.0	-6.43e-06	-0.30
		-0.30	-6.43e-06	0.0	0.0	130.8	-1.32e-03	0.11	2.46e-06	0.0	-3.22e-06	-0.07
						261.5	-1.32e-03	0.0	2.46e-06	0.0	0.0	0.0
61	87	0.59	0.0	3.14e-03	0.45	0.0	-2.93e-03	-0.45	5.46e-06	0.0	-1.43e-05	0.59
		0.0	-1.43e-05	0.0	0.0	130.8	-2.93e-03	-0.22	5.46e-06	0.0	-7.14e-06	0.15
						261.5	-2.93e-03	0.0	5.46e-06	0.0	0.0	0.0
62	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	1.75e-05	0.0	-4.57e-05	6.22
		0.0	-4.57e-05	0.0	0.0	130.8	0.01	-2.38	1.75e-05	0.0	-2.29e-05	1.55
						261.5	0.01	0.0	1.75e-05	0.0	0.0	0.0
62	10	0.0	2.19e-05	-0.03	-4.48	0.0	-5.42e-03	4.48	-8.38e-06	0.0	2.19e-05	-5.86
		-5.86	0.0	0.0	0.0	130.8	-5.42e-03	2.24	-8.38e-06	0.0	1.10e-05	-1.46
						261.5	-5.42e-03	0.0	-8.38e-06	0.0	0.0	0.0
62	12	7.19	0.0	0.04	5.50	0.0	0.01	-5.50	1.91e-05	0.0	-4.98e-05	7.19
		0.0	-4.98e-05	0.0	0.0	130.8	0.01	-2.75	1.91e-05	0.0	-2.49e-05	1.80
						261.5	0.01	0.0	1.91e-05	0.0	0.0	0.0
62	21	0.51	0.0	0.03	0.66	0.0	-0.02	-0.81	5.01e-03	0.0	-0.01	0.51
		-0.04	-0.01	-8.31e-04	0.0	130.8	-0.02	-0.49	5.01e-03	0.0	-6.55e-03	0.04
						261.5	-0.02	-0.16	5.01e-03	0.0	0.0	0.0
62	22	0.44	0.0	0.04	0.66	0.0	-0.01	-0.79	3.21e-03	0.0	-8.38e-03	0.44
		-0.05	-8.38e-03	-1.09e-03	0.0	130.8	-0.01	-0.46	3.21e-03	0.0	-4.19e-03	6.32e-03
						261.5	-0.01	-0.13	3.21e-03	0.0	0.0	0.0
62	23	1.27	8.37e-03	-0.03	0.66	0.0	0.01	-0.52	-3.20e-03	0.0	8.37e-03	1.27
		0.0	0.0	1.09e-03	0.0	130.8	0.01	-0.19	-3.20e-03	0.0	4.18e-03	0.42
						261.5	0.01	0.13	-3.20e-03	0.0	0.0	0.0
62	24	1.21	0.01	-0.03	0.66	0.0	0.02	-0.50	-5.00e-03	0.0	0.01	1.21
		0.0	0.0	8.30e-04	0.0	130.8	0.02	-0.17	-5.00e-03	0.0	6.54e-03	0.39
						261.5	0.02	0.16	-5.00e-03	0.0	0.0	0.0
62	53	0.69	0.0	0.02	0.66	0.0	-7.54e-03	-0.72	2.20e-03	0.0	-5.76e-03	0.69
		-7.65e-03	-5.76e-03	-4.29e-04	0.0	130.8	-7.54e-03	-0.39	2.20e-03	0.0	-2.88e-03	0.13
						261.5	-7.54e-03	-0.06	2.20e-03	0.0	0.0	0.0
62	56	1.03	5.75e-03	-8.20e-03	0.66	0.0	0.01	-0.59	-2.20e-03	0.0	5.75e-03	1.03
		0.0	0.0	4.29e-04	0.0	130.8	0.01	-0.26	-2.20e-03	0.0	2.87e-03	0.30
						261.5	0.01	0.06	-2.20e-03	0.0	0.0	0.0
62	57	0.67	0.0	0.02	0.66	0.0	-6.83e-03	-0.73	1.68e-03	0.0	-4.40e-03	0.67
		-0.01	-4.40e-03	-5.09e-04	0.0	130.8	-6.83e-03	-0.40	1.68e-03	0.0	-2.20e-03	0.12
						261.5	-6.83e-03	-0.07	1.68e-03	0.0	0.0	0.0
62	58	0.69	0.0	0.02	0.66	0.0	-5.51e-03	-0.72	2.21e-03	0.0	-5.77e-03	0.69
		-7.54e-03	-5.77e-03	-4.30e-04	0.0	130.8	-5.51e-03	-0.39	2.21e-03	0.0	-2.88e-03	0.13
						261.5	-5.51e-03	-0.06	2.21e-03	0.0	0.0	0.0
62	59	1.02	5.75e-03	-8.25e-03	0.66	0.0	8.87e-03	-0.59	-2.20e-03	0.0	5.75e-03	1.02
		0.0	0.0	4.30e-04	0.0	130.8	8.87e-03	-0.26	-2.20e-03	0.0	2.88e-03	0.30
						261.5	8.87e-03	0.06	-2.20e-03	0.0	0.0	0.0
62	60	1.04	4.39e-03	-8.71e-03	0.66	0.0	0.01	-0.58	-1.68e-03	0.0	4.39e-03	1.04
		0.0	0.0	5.09e-04	0.0	130.8	0.01	-0.26	-1.68e-03	0.0	2.19e-03	0.31
						261.5	0.01	0.07	-1.68e-03	0.0	0.0	0.0
62	78	4.19	0.0	0.02	3.21	0.0	7.63e-03	-3.21	1.18e-05	0.0	-3.09e-05	4.19
		0.0	-3.09e-05	0.0	0.0	130.8	7.63e-03	-1.60	1.18e-05	0.0	-1.54e-05	1.05
						261.5	7.63e-03	0.0	1.18e-05	0.0	0.0	0.0
62	81	0.0	1.19e-05	-0.02	-2.72	0.0	-2.93e-03	2.72	-4.54e-06	0.0	1.19e-05	-3.55
		-3.55	0.0	0.0	0.0	130.8	-2.93e-03	1.36	-4.54e-06	0.0	5.93e-06	-0.89
						261.5	-2.93e-03	0.0	-4.54e-06	0.0	0.0	0.0
62	84	1.52	0.0	8.18e-03	1.17	0.0	2.87e-03	-1.17	4.44e-06	0.0	-1.16e-05	1.52
		0.0	-1.16e-05	0.0	0.0	130.8	2.87e-03	-0.58	4.44e-06	0.0	-5.80e-06	0.38
						261.5	2.87e-03	0.0	4.44e-06	0.0	0.0	0.0
62	85	0.0	0.0	-1.34e-04	-0.02	0.0	7.55e-04	0.02	1.17e-06	0.0	-3.06e-06	-0.03
		-0.03	-3.06e-06	0.0	0.0	130.8	7.55e-04	9.57e-03	1.17e-06	0.0	-1.53e-06	-6.26e-03
						261.5	7.55e-04	0.0	1.17e-06	0.0	0.0	0.0
62	87	0.86	0.0	4.60e-03	0.66	0.0	1.68e-03	-0.66	2.60e-06	0.0	-6.79e-06	0.86
		0.0	-6.79e-06	0.0	0.0	130.8	1.68e-03	-0.33	2.60e-06	0.0	-3.39e-06	0.21
						261.5	1.68e-03	0.0	2.60e-06	0.0	0.0	0.0

63	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	-1.75e-05	0.0	0.0	0.0
		0.0	-4.57e-05	0.0	0.0	130.8	0.01	2.38	-1.75e-05	0.0	-2.29e-05	1.55
						261.5	0.01	4.75	-1.75e-05	0.0	-4.57e-05	6.22
63	10	0.0	2.19e-05	0.03	-4.48	0.0	-5.42e-03	0.0	8.38e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-5.42e-03	-2.24	8.38e-06	0.0	1.10e-05	-1.46
						261.5	-5.42e-03	-4.48	8.38e-06	0.0	2.19e-05	-5.86
63	12	7.19	0.0	-0.04	5.50	0.0	0.01	0.0	-1.91e-05	0.0	0.0	0.0
		0.0	-4.98e-05	0.0	0.0	130.8	0.01	2.75	-1.91e-05	0.0	-2.49e-05	1.80
						261.5	0.01	5.50	-1.91e-05	0.0	-4.98e-05	7.19
63	21	1.21	0.01	0.03	0.66	0.0	0.02	-0.16	5.01e-03	0.0	0.0	0.0
		0.0	0.0	-8.35e-04	0.0	130.8	0.02	0.17	5.01e-03	0.0	6.55e-03	0.39
						261.5	0.02	0.50	5.01e-03	0.0	0.01	1.21
63	22	1.28	8.36e-03	0.03	0.66	0.0	0.02	-0.13	3.20e-03	0.0	0.0	0.0
		0.0	0.0	-1.08e-03	0.0	130.8	0.02	0.19	3.20e-03	0.0	4.18e-03	0.42
						261.5	0.02	0.52	3.20e-03	0.0	8.36e-03	1.28
63	23	0.44	0.0	-0.04	0.66	0.0	-0.02	0.13	-3.20e-03	0.0	0.0	0.0
		-0.05	-8.37e-03	1.08e-03	0.0	130.8	-0.02	0.46	-3.20e-03	0.0	-4.19e-03	4.82e-03
						261.5	-0.02	0.79	-3.20e-03	0.0	-8.37e-03	0.44
63	24	0.51	0.0	-0.03	0.66	0.0	-0.01	0.16	-5.01e-03	0.0	0.0	0.0
		-0.04	-0.01	8.35e-04	0.0	130.8	-0.01	0.49	-5.01e-03	0.0	-6.56e-03	0.04
						261.5	-0.01	0.82	-5.01e-03	0.0	-0.01	0.51
63	26	1.26	0.01	0.03	0.66	0.0	0.02	-0.14	4.64e-03	0.0	0.0	0.0
		0.0	0.0	-8.75e-04	0.0	130.8	0.02	0.19	4.64e-03	0.0	6.07e-03	0.42
						261.5	0.02	0.52	4.64e-03	0.0	0.01	1.26
63	27	0.45	0.0	-0.03	0.66	0.0	-0.02	0.14	-4.64e-03	0.0	0.0	0.0
		-0.05	-0.01	8.75e-04	0.0	130.8	-0.02	0.47	-4.64e-03	0.0	-6.07e-03	0.01
						261.5	-0.02	0.80	-4.64e-03	0.0	-0.01	0.45
63	53	1.02	5.75e-03	8.25e-03	0.66	0.0	8.87e-03	-0.07	2.20e-03	0.0	0.0	0.0
		0.0	0.0	-4.30e-04	0.0	130.8	8.87e-03	0.26	2.20e-03	0.0	2.88e-03	0.30
						261.5	8.87e-03	0.58	2.20e-03	0.0	5.75e-03	1.02
63	54	1.04	4.39e-03	8.71e-03	0.66	0.0	0.01	-0.06	1.68e-03	0.0	0.0	0.0
		0.0	0.0	-5.09e-04	0.0	130.8	0.01	0.26	1.68e-03	0.0	2.19e-03	0.31
						261.5	0.01	0.59	1.68e-03	0.0	4.39e-03	1.04
63	55	0.67	0.0	-0.02	0.66	0.0	-6.83e-03	0.06	-1.68e-03	0.0	0.0	0.0
		-0.01	-4.40e-03	5.09e-04	0.0	130.8	-6.83e-03	0.39	-1.68e-03	0.0	-2.20e-03	0.12
						261.5	-6.83e-03	0.72	-1.68e-03	0.0	-4.40e-03	0.67
63	56	0.69	0.0	-0.02	0.66	0.0	-5.51e-03	0.07	-2.21e-03	0.0	0.0	0.0
		-7.55e-03	-5.77e-03	4.30e-04	0.0	130.8	-5.51e-03	0.40	-2.21e-03	0.0	-2.88e-03	0.13
						261.5	-5.51e-03	0.73	-2.21e-03	0.0	-5.77e-03	0.69
63	58	1.04	5.75e-03	8.20e-03	0.66	0.0	0.01	-0.06	2.20e-03	0.0	0.0	0.0
		0.0	0.0	-4.29e-04	0.0	130.8	0.01	0.26	2.20e-03	0.0	2.87e-03	0.31
						261.5	0.01	0.59	2.20e-03	0.0	5.75e-03	1.04
63	59	0.67	0.0	-0.02	0.66	0.0	-7.54e-03	0.06	-2.20e-03	0.0	0.0	0.0
		-9.97e-03	-5.76e-03	4.29e-04	0.0	130.8	-7.54e-03	0.39	-2.20e-03	0.0	-2.88e-03	0.12
						261.5	-7.54e-03	0.72	-2.20e-03	0.0	-5.76e-03	0.67
63	78	4.19	0.0	-0.02	3.21	0.0	7.63e-03	0.0	-1.18e-05	0.0	0.0	0.0
		0.0	-3.09e-05	0.0	0.0	130.8	7.63e-03	1.60	-1.18e-05	0.0	-1.54e-05	1.05
						261.5	7.63e-03	3.21	-1.18e-05	0.0	-3.09e-05	4.19
63	81	0.0	1.19e-05	0.02	-2.72	0.0	-2.93e-03	0.0	4.54e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-2.93e-03	-1.36	4.54e-06	0.0	5.93e-06	-0.89
						261.5	-2.93e-03	-2.72	4.54e-06	0.0	1.19e-05	-3.55
63	84	1.52	0.0	-8.18e-03	1.17	0.0	2.87e-03	0.0	-4.44e-06	0.0	0.0	0.0
		0.0	-1.16e-05	0.0	0.0	130.8	2.87e-03	0.58	-4.44e-06	0.0	-5.80e-06	0.38
						261.5	2.87e-03	1.17	-4.44e-06	0.0	-1.16e-05	1.52
63	85	0.0	0.0	1.34e-04	-0.02	0.0	7.55e-04	0.0	-1.17e-06	0.0	0.0	0.0
		-0.03	-3.06e-06	0.0	0.0	130.8	7.55e-04	-9.57e-03	-1.17e-06	0.0	-1.53e-06	-6.26e-03
						261.5	7.55e-04	-0.02	-1.17e-06	0.0	-3.06e-06	-0.03
63	87	0.86	0.0	-4.60e-03	0.66	0.0	1.68e-03	0.0	-2.60e-06	0.0	0.0	0.0
		0.0	-6.79e-06	0.0	0.0	130.8	1.68e-03	0.33	-2.60e-06	0.0	-3.39e-06	0.21
						261.5	1.68e-03	0.66	-2.60e-06	0.0	-6.79e-06	0.86
64	3	6.22	0.0	-0.03	4.75	0.0	0.02	0.0	-6.50e-06	0.0	0.0	0.0
		0.0	-1.70e-05	0.0	0.0	130.8	0.02	2.38	-6.50e-06	0.0	-8.49e-06	1.55
						261.5	0.02	4.75	-6.50e-06	0.0	-1.70e-05	6.22
64	10	0.0	8.15e-06	0.03	-4.48	0.0	-7.38e-03	0.0	3.12e-06	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-7.38e-03	-2.24	3.12e-06	0.0	4.07e-06	-1.46
						261.5	-7.38e-03	-4.48	3.12e-06	0.0	8.15e-06	-5.86
64	12	7.19	0.0	-0.04	5.50	0.0	0.02	0.0	-7.08e-06	0.0	0.0	0.0
		0.0	-1.85e-05	0.0	0.0	130.8	0.02	2.75	-7.08e-06	0.0	-9.26e-06	1.80
						261.5	0.02	5.50	-7.08e-06	0.0	-1.85e-05	7.19
64	21	1.37	0.0	0.03	0.66	0.0	2.51e-03	0.20	-1.29e-03	0.0	0.0	0.0
		0.0	-3.38e-03	-8.35e-04	0.0	130.8	2.51e-03	0.52	-1.29e-03	0.0	-1.69e-03	0.47
						261.5	2.51e-03	0.85	-1.29e-03	0.0	-3.38e-03	1.37
64	24	0.34	3.38e-03	-0.04	0.66	0.0	2.07e-03	-0.20	1.29e-03	0.0	0.0	0.0
		-0.08	0.0	8.35e-04	0.0	130.8	2.07e-03	0.13	1.29e-03	0.0	1.69e-03	-0.04
						261.5	2.07e-03	0.46	1.29e-03	0.0	3.38e-03	0.34
64	34	0.83	1.19e-03	2.42e-03	0.66	0.0	7.91e-03	-0.01	4.56e-04	0.0	0.0	0.0
		0.0	0.0	-7.01e-04	0.0	130.8	7.91e-03	0.32	4.56e-04	0.0	5.96e-04	0.20

						261.5	7.91e-03	0.64	4.56e-04	0.0	1.19e-03	0.83
64	35	0.89	0.0	-0.01	0.66	0.0	-3.34e-03	0.01	-4.58e-04	0.0	0.0	0.0
		0.0	-1.20e-03	7.01e-04	0.0	130.8	-3.34e-03	0.34	-4.58e-04	0.0	-5.98e-04	0.23
						261.5	-3.34e-03	0.67	-4.58e-04	0.0	-1.20e-03	0.89
64	54	1.08	0.0	9.00e-03	0.66	0.0	3.66e-03	0.08	-4.35e-04	0.0	0.0	0.0
		0.0	-1.14e-03	-5.09e-04	0.0	130.8	3.66e-03	0.40	-4.35e-04	0.0	-5.69e-04	0.33
						261.5	3.66e-03	0.73	-4.35e-04	0.0	-1.14e-03	1.08
64	55	0.63	1.13e-03	-0.02	0.66	0.0	9.10e-04	-0.08	4.33e-04	0.0	0.0	0.0
		-0.02	0.0	5.10e-04	0.0	130.8	9.10e-04	0.25	4.33e-04	0.0	5.66e-04	0.10
						261.5	9.10e-04	0.58	4.33e-04	0.0	1.13e-03	0.63
64	58	1.06	0.0	9.17e-03	0.66	0.0	3.45e-03	0.08	-5.70e-04	0.0	0.0	0.0
		0.0	-1.49e-03	-4.29e-04	0.0	130.8	3.45e-03	0.41	-5.70e-04	0.0	-7.45e-04	0.32
						261.5	3.45e-03	0.73	-5.70e-04	0.0	-1.49e-03	1.06
64	59	0.65	1.48e-03	-0.02	0.66	0.0	1.12e-03	-0.08	5.68e-04	0.0	0.0	0.0
		-0.01	0.0	4.29e-04	0.0	130.8	1.12e-03	0.25	5.68e-04	0.0	7.42e-04	0.11
						261.5	1.12e-03	0.58	5.68e-04	0.0	1.48e-03	0.65
64	66	0.97	1.88e-04	-1.77e-03	0.66	0.0	4.18e-03	5.61e-03	7.20e-05	0.0	0.0	0.0
		0.0	0.0	-2.73e-04	0.0	130.8	4.18e-03	0.33	7.20e-05	0.0	9.41e-05	0.27
						261.5	4.18e-03	0.66	7.20e-05	0.0	1.88e-04	0.97
64	67	0.74	0.0	-7.91e-03	0.66	0.0	3.94e-04	-5.61e-03	-7.39e-05	0.0	0.0	0.0
		-3.72e-03	-1.93e-04	2.74e-04	0.0	130.8	3.94e-04	0.32	-7.39e-05	0.0	-9.66e-05	0.16
						261.5	3.94e-04	0.65	-7.39e-05	0.0	-1.93e-04	0.74
64	78	4.19	0.0	-0.02	3.21	0.0	0.01	0.0	-4.39e-06	0.0	0.0	0.0
		0.0	-1.15e-05	0.0	0.0	130.8	0.01	1.60	-4.39e-06	0.0	-5.74e-06	1.05
						261.5	0.01	3.21	-4.39e-06	0.0	-1.15e-05	4.19
64	81	0.0	4.41e-06	0.02	-2.72	0.0	-4.00e-03	0.0	1.69e-06	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-4.00e-03	-1.36	1.69e-06	0.0	2.21e-06	-0.89
						261.5	-4.00e-03	-2.72	1.69e-06	0.0	4.41e-06	-3.55
64	84	1.52	0.0	-8.18e-03	1.17	0.0	3.91e-03	0.0	-1.65e-06	0.0	0.0	0.0
		0.0	-4.31e-06	0.0	0.0	130.8	3.91e-03	0.58	-1.65e-06	0.0	-2.16e-06	0.38
						261.5	3.91e-03	1.17	-1.65e-06	0.0	-4.31e-06	1.52
64	85	0.0	0.0	1.34e-04	-0.02	0.0	1.03e-03	0.0	0.0	0.0	0.0	0.0
		-0.03	-1.14e-06	0.0	0.0	130.8	1.03e-03	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	1.03e-03	-0.02	0.0	0.0	-1.14e-06	-0.03
64	87	0.86	0.0	-4.60e-03	0.66	0.0	2.29e-03	0.0	0.0	0.0	0.0	0.0
		0.0	-2.52e-06	0.0	0.0	130.8	2.29e-03	0.33	0.0	0.0	-1.26e-06	0.21
						261.5	2.29e-03	0.66	0.0	0.0	-2.52e-06	0.86
65	3	6.22	0.0	0.03	4.75	0.0	0.02	-4.75	6.50e-06	0.0	-1.70e-05	6.22
		0.0	-1.70e-05	0.0	0.0	130.8	0.02	-2.38	6.50e-06	0.0	-8.49e-06	1.55
						261.5	0.02	0.0	6.50e-06	0.0	0.0	0.0
65	10	0.0	8.15e-06	-0.03	-4.48	0.0	-7.38e-03	4.48	-3.12e-06	0.0	8.15e-06	-5.86
		-5.86	0.0	0.0	0.0	130.8	-7.38e-03	2.24	-3.12e-06	0.0	4.07e-06	-1.46
						261.5	-7.38e-03	0.0	-3.12e-06	0.0	0.0	0.0
65	12	7.19	0.0	0.04	5.50	0.0	0.02	-5.50	7.08e-06	0.0	-1.85e-05	7.19
		0.0	-1.85e-05	0.0	0.0	130.8	0.02	-2.75	7.08e-06	0.0	-9.26e-06	1.80
						261.5	0.02	0.0	7.08e-06	0.0	0.0	0.0
65	21	0.36	3.38e-03	0.04	0.66	0.0	-3.43e-04	-0.46	-1.29e-03	0.0	3.38e-03	0.36
		-0.07	0.0	-8.31e-04	0.0	130.8	-3.43e-04	-0.14	-1.29e-03	0.0	1.69e-03	-0.04
						261.5	-3.43e-04	0.19	-1.29e-03	0.0	0.0	0.0
65	24	1.36	0.0	-0.03	0.66	0.0	4.92e-03	-0.85	1.29e-03	0.0	-3.39e-03	1.36
		0.0	-3.39e-03	8.31e-04	0.0	130.8	4.92e-03	-0.52	1.29e-03	0.0	-1.69e-03	0.46
						261.5	4.92e-03	-0.19	1.29e-03	0.0	0.0	0.0
65	41	0.62	0.0	0.01	0.66	0.0	-1.60e-03	-0.56	1.45e-04	0.0	-3.79e-04	0.62
		-0.02	-3.79e-04	-5.62e-04	0.0	130.8	-1.60e-03	-0.24	1.45e-04	0.0	-1.89e-04	0.10
						261.5	-1.60e-03	0.09	1.45e-04	0.0	0.0	0.0
65	44	1.10	3.74e-04	-3.34e-03	0.66	0.0	6.17e-03	-0.75	-1.43e-04	0.0	3.74e-04	1.10
		0.0	0.0	5.62e-04	0.0	130.8	6.17e-03	-0.42	-1.43e-04	0.0	1.87e-04	0.33
						261.5	6.17e-03	-0.09	-1.43e-04	0.0	0.0	0.0
65	53	0.63	1.48e-03	0.02	0.66	0.0	1.12e-03	-0.57	-5.68e-04	0.0	1.48e-03	0.63
		-0.01	0.0	-4.29e-04	0.0	130.8	1.12e-03	-0.24	-5.68e-04	0.0	7.42e-04	0.10
						261.5	1.12e-03	0.09	-5.68e-04	0.0	0.0	0.0
65	56	1.08	0.0	-9.17e-03	0.66	0.0	3.45e-03	-0.74	5.70e-04	0.0	-1.49e-03	1.08
		0.0	-1.49e-03	4.29e-04	0.0	130.8	3.45e-03	-0.41	5.70e-04	0.0	-7.45e-04	0.33
						261.5	3.45e-03	-0.09	5.70e-04	0.0	0.0	0.0
65	57	0.63	1.13e-03	0.02	0.66	0.0	9.10e-04	-0.57	-4.33e-04	0.0	1.13e-03	0.63
		-0.02	0.0	-5.10e-04	0.0	130.8	9.10e-04	-0.24	-4.33e-04	0.0	5.66e-04	0.10
						261.5	9.10e-04	0.09	-4.33e-04	0.0	0.0	0.0
65	60	1.08	0.0	-9.00e-03	0.66	0.0	3.66e-03	-0.74	4.35e-04	0.0	-1.14e-03	1.08
		0.0	-1.14e-03	5.09e-04	0.0	130.8	3.66e-03	-0.41	4.35e-04	0.0	-5.69e-04	0.33
						261.5	3.66e-03	-0.09	4.35e-04	0.0	0.0	0.0
65	73	0.74	0.0	7.91e-03	0.66	0.0	3.94e-04	-0.61	7.39e-05	0.0	-1.93e-04	0.74
		-3.72e-03	-1.93e-04	-2.74e-04	0.0	130.8	3.94e-04	-0.28	7.39e-05	0.0	-9.66e-05	0.16
						261.5	3.94e-04	0.04	7.39e-05	0.0	0.0	0.0
65	76	0.97	1.88e-04	1.29e-03	0.66	0.0	4.18e-03	-0.70	-7.20e-05	0.0	1.88e-04	0.97
		0.0	0.0	2.73e-04	0.0	130.8	4.18e-03	-0.37	-7.20e-05	0.0	9.41e-05	0.27
						261.5	4.18e-03	-0.04	-7.20e-05	0.0	0.0	0.0
65	78	4.19	0.0	0.02	3.21	0.0	0.01	-3.21	4.39e-06	0.0	-1.15e-05	4.19

		0.0	-1.15e-05	0.0	0.0	130.8	0.01	-1.60	4.39e-06	0.0	-5.74e-06	1.05
						261.5	0.01	0.0	4.39e-06	0.0	0.0	0.0
65	81	0.0	4.41e-06	-0.02	-2.72	0.0	-4.00e-03	2.72	-1.69e-06	0.0	4.41e-06	-3.55
		-3.55	0.0	0.0	0.0	130.8	-4.00e-03	1.36	-1.69e-06	0.0	2.21e-06	-0.89
						261.5	-4.00e-03	0.0	-1.69e-06	0.0	0.0	0.0
65	84	1.52	0.0	8.18e-03	1.17	0.0	3.91e-03	-1.17	1.65e-06	0.0	-4.31e-06	1.52
		0.0	-4.31e-06	0.0	0.0	130.8	3.91e-03	-0.58	1.65e-06	0.0	-2.16e-06	0.38
						261.5	3.91e-03	0.0	1.65e-06	0.0	0.0	0.0
65	85	0.0	0.0	-1.34e-04	-0.02	0.0	1.03e-03	0.02	0.0	0.0	-1.14e-06	-0.03
		-0.03	-1.14e-06	0.0	0.0	130.8	1.03e-03	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	1.03e-03	0.0	0.0	0.0	0.0	0.0
65	87	0.86	0.0	4.60e-03	0.66	0.0	2.29e-03	-0.66	0.0	0.0	-2.52e-06	0.86
		0.0	-2.52e-06	0.0	0.0	130.8	2.29e-03	-0.33	0.0	0.0	-1.26e-06	0.21
						261.5	2.29e-03	0.0	0.0	0.0	0.0	0.0
66	3	6.22	0.0	0.03	4.75	0.0	0.01	-4.75	0.0	0.0	-1.00e-06	6.22
		0.0	-1.00e-06	0.0	0.0	130.8	0.01	-2.38	0.0	0.0	0.0	1.55
						261.5	0.01	0.0	0.0	0.0	0.0	0.0
66	10	0.0	0.0	-0.03	-4.48	0.0	-7.12e-03	4.48	0.0	0.0	0.0	-5.86
		-5.86	0.0	0.0	0.0	130.8	-7.12e-03	2.24	0.0	0.0	0.0	-1.46
						261.5	-7.12e-03	0.0	0.0	0.0	0.0	0.0
66	12	7.19	0.0	0.04	5.50	0.0	0.02	-5.50	0.0	0.0	-1.09e-06	7.19
		0.0	-1.09e-06	0.0	0.0	130.8	0.02	-2.75	0.0	0.0	0.0	1.80
						261.5	0.02	0.0	0.0	0.0	0.0	0.0
66	21	0.28	0.0	0.04	0.66	0.0	-1.53e-03	-0.43	3.34e-04	0.0	-8.74e-04	0.28
		-0.10	-8.74e-04	-8.31e-04	0.0	130.8	-1.53e-03	-0.11	3.34e-04	0.0	-4.37e-04	-0.07
						261.5	-1.53e-03	0.22	3.34e-04	0.0	0.0	0.0
66	24	1.43	8.73e-04	-0.03	0.66	0.0	5.94e-03	-0.88	-3.34e-04	0.0	8.73e-04	1.43
		0.0	0.0	8.31e-04	0.0	130.8	5.94e-03	-0.55	-3.34e-04	0.0	4.37e-04	0.50
						261.5	5.94e-03	-0.22	-3.34e-04	0.0	0.0	0.0
66	26	0.36	0.0	0.04	0.66	0.0	-2.35e-03	-0.44	3.11e-04	0.0	-8.12e-04	0.36
		-0.07	-8.12e-04	-8.77e-04	0.0	130.8	-2.35e-03	-0.11	3.11e-04	0.0	-4.06e-04	-0.03
						261.5	-2.35e-03	0.22	3.11e-04	0.0	0.0	0.0
66	27	1.35	8.12e-04	-0.03	0.66	0.0	6.76e-03	-0.87	-3.10e-04	0.0	8.12e-04	1.35
		0.0	0.0	8.77e-04	0.0	130.8	6.76e-03	-0.55	-3.10e-04	0.0	4.06e-04	0.46
						261.5	6.76e-03	-0.22	-3.10e-04	0.0	0.0	0.0
66	57	0.59	0.0	0.02	0.66	0.0	5.66e-04	-0.57	1.13e-04	0.0	-2.94e-04	0.59
		-0.02	-2.94e-04	-5.10e-04	0.0	130.8	5.66e-04	-0.24	1.13e-04	0.0	-1.47e-04	0.08
						261.5	5.66e-04	0.09	1.13e-04	0.0	0.0	0.0
66	58	0.63	0.0	0.02	0.66	0.0	9.07e-05	-0.55	1.47e-04	0.0	-3.85e-04	0.63
		-0.02	-3.85e-04	-4.30e-04	0.0	130.8	9.07e-05	-0.23	1.47e-04	0.0	-1.93e-04	0.10
						261.5	9.07e-05	0.10	1.47e-04	0.0	0.0	0.0
66	59	1.09	3.85e-04	-9.68e-03	0.66	0.0	4.32e-03	-0.76	-1.47e-04	0.0	3.85e-04	1.09
		0.0	0.0	4.30e-04	0.0	130.8	4.32e-03	-0.43	-1.47e-04	0.0	1.92e-04	0.33
						261.5	4.32e-03	-0.10	-1.47e-04	0.0	0.0	0.0
66	60	1.12	2.94e-04	-9.18e-03	0.66	0.0	3.84e-03	-0.74	-1.12e-04	0.0	2.94e-04	1.12
		0.0	0.0	5.10e-04	0.0	130.8	3.84e-03	-0.42	-1.12e-04	0.0	1.47e-04	0.35
						261.5	3.84e-03	-0.09	-1.12e-04	0.0	0.0	0.0
66	78	4.19	0.0	0.02	3.21	0.0	0.01	-3.21	0.0	0.0	0.0	4.19
		0.0	0.0	0.0	0.0	130.8	0.01	-1.60	0.0	0.0	0.0	1.05
						261.5	0.01	0.0	0.0	0.0	0.0	0.0
66	81	0.0	0.0	-0.02	-2.72	0.0	-3.85e-03	2.72	0.0	0.0	0.0	-3.55
		-3.55	0.0	0.0	0.0	130.8	-3.85e-03	1.36	0.0	0.0	0.0	-0.89
						261.5	-3.85e-03	0.0	0.0	0.0	0.0	0.0
66	84	1.52	0.0	8.18e-03	1.17	0.0	3.77e-03	-1.17	0.0	0.0	0.0	1.52
		0.0	0.0	0.0	0.0	130.8	3.77e-03	-0.58	0.0	0.0	0.0	0.38
						261.5	3.77e-03	0.0	0.0	0.0	0.0	0.0
66	85	0.0	0.0	-1.34e-04	-0.02	0.0	9.93e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	9.93e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.93e-04	0.0	0.0	0.0	0.0	0.0
66	87	0.86	0.0	4.60e-03	0.66	0.0	2.20e-03	-0.66	0.0	0.0	0.0	0.86
		0.0	0.0	0.0	0.0	130.8	2.20e-03	-0.33	0.0	0.0	0.0	0.21
						261.5	2.20e-03	0.0	0.0	0.0	0.0	0.0
67	3	6.22	0.0	-0.03	4.75	0.0	0.01	0.0	0.0	0.0	0.0	0.0
		0.0	-1.00e-06	0.0	0.0	130.8	0.01	2.38	0.0	0.0	0.0	1.55
						261.5	0.01	4.75	0.0	0.0	-1.00e-06	6.22
67	10	0.0	0.0	0.03	-4.48	0.0	-7.12e-03	0.0	0.0	0.0	0.0	0.0
		-5.86	0.0	0.0	0.0	130.8	-7.12e-03	-2.24	0.0	0.0	0.0	-1.46
						261.5	-7.12e-03	-4.48	0.0	0.0	0.0	-5.86
67	12	7.19	0.0	-0.04	5.50	0.0	0.02	0.0	0.0	0.0	0.0	0.0
		0.0	-1.09e-06	0.0	0.0	130.8	0.02	2.75	0.0	0.0	0.0	1.80
						261.5	0.02	5.50	0.0	0.0	-1.09e-06	7.19
67	21	1.33	8.76e-04	0.03	0.66	0.0	7.04e-03	0.23	3.35e-04	0.0	0.0	0.0
		0.0	0.0	-8.35e-04	0.0	130.8	7.04e-03	0.56	3.35e-04	0.0	4.38e-04	0.45
						261.5	7.04e-03	0.88	3.35e-04	0.0	8.76e-04	1.33
67	22	1.45	5.61e-04	0.03	0.66	0.0	5.49e-03	0.18	2.14e-04	0.0	0.0	0.0
		0.0	0.0	-1.08e-03	0.0	130.8	5.49e-03	0.51	2.14e-04	0.0	2.80e-04	0.51
						261.5	5.49e-03	0.84	2.14e-04	0.0	5.61e-04	1.45

67	23	0.26	0.0	-0.04	0.66	0.0	-1.08e-03	-0.18	-2.14e-04	0.0	0.0	0.0
		-0.10	-5.61e-04	1.08e-03	0.0	130.8	-1.08e-03	0.15	-2.14e-04	0.0	-2.80e-04	-0.08
						261.5	-1.08e-03	0.48	-2.14e-04	0.0	-5.61e-04	0.26
67	24	0.39	0.0	-0.04	0.66	0.0	-2.63e-03	-0.23	-3.35e-04	0.0	0.0	0.0
		-0.06	-8.76e-04	8.35e-04	0.0	130.8	-2.63e-03	0.10	-3.35e-04	0.0	-4.38e-04	-0.02
						261.5	-2.63e-03	0.43	-3.35e-04	0.0	-8.76e-04	0.39
67	53	1.09	3.85e-04	9.68e-03	0.66	0.0	4.32e-03	0.09	1.47e-04	0.0	0.0	0.0
		0.0	0.0	-4.30e-04	0.0	130.8	4.32e-03	0.42	1.47e-04	0.0	1.92e-04	0.33
						261.5	4.32e-03	0.74	1.47e-04	0.0	3.85e-04	1.09
67	54	1.12	2.94e-04	9.18e-03	0.66	0.0	3.84e-03	0.10	1.12e-04	0.0	0.0	0.0
		0.0	0.0	-5.10e-04	0.0	130.8	3.84e-03	0.43	1.12e-04	0.0	1.47e-04	0.35
						261.5	3.84e-03	0.76	1.12e-04	0.0	2.94e-04	1.12
67	55	0.59	0.0	-0.02	0.66	0.0	5.66e-04	-0.10	-1.13e-04	0.0	0.0	0.0
		-0.02	-2.94e-04	5.10e-04	0.0	130.8	5.66e-04	0.23	-1.13e-04	0.0	-1.47e-04	0.08
						261.5	5.66e-04	0.55	-1.13e-04	0.0	-2.94e-04	0.59
67	56	0.63	0.0	-0.02	0.66	0.0	9.07e-05	-0.09	-1.47e-04	0.0	0.0	0.0
		-0.02	-3.85e-04	4.30e-04	0.0	130.8	9.07e-05	0.24	-1.47e-04	0.0	-1.93e-04	0.10
						261.5	9.07e-05	0.57	-1.47e-04	0.0	-3.85e-04	0.63
67	78	4.19	0.0	-0.02	3.21	0.0	0.01	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	1.60	0.0	0.0	0.0	1.05
						261.5	0.01	3.21	0.0	0.0	0.0	4.19
67	81	0.0	0.0	0.02	-2.72	0.0	-3.85e-03	0.0	0.0	0.0	0.0	0.0
		-3.55	0.0	0.0	0.0	130.8	-3.85e-03	-1.36	0.0	0.0	0.0	-0.89
						261.5	-3.85e-03	-2.72	0.0	0.0	0.0	-3.55
67	84	1.52	0.0	-8.18e-03	1.17	0.0	3.77e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.77e-03	0.58	0.0	0.0	0.0	0.38
						261.5	3.77e-03	1.17	0.0	0.0	0.0	1.52
67	85	0.0	0.0	1.34e-04	-0.02	0.0	9.93e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	9.93e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.93e-04	-0.02	0.0	0.0	0.0	-0.03
67	87	0.86	0.0	-4.60e-03	0.66	0.0	2.20e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.20e-03	0.33	0.0	0.0	0.0	0.21
						261.5	2.20e-03	0.66	0.0	0.0	0.0	0.86
68	3	6.22	1.36e-05	-0.03	4.75	0.0	0.01	0.0	5.21e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.38	5.21e-06	0.0	6.81e-06	1.55
						261.5	0.01	4.75	5.21e-06	0.0	1.36e-05	6.22
68	10	0.0	0.0	0.03	-4.48	0.0	-6.87e-03	0.0	-2.50e-06	0.0	0.0	0.0
		-5.86	-6.53e-06	0.0	0.0	130.8	-6.87e-03	-2.24	-2.50e-06	0.0	-3.26e-06	-1.46
						261.5	-6.87e-03	-4.48	-2.50e-06	0.0	-6.53e-06	-5.86
68	12	7.19	1.48e-05	-0.04	5.50	0.0	0.02	0.0	5.67e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.02	2.75	5.67e-06	0.0	7.42e-06	1.80
						261.5	0.02	5.50	5.67e-06	0.0	1.48e-05	7.19
68	21	1.26	0.0	0.03	0.66	0.0	6.31e-03	0.20	-7.89e-05	0.0	0.0	0.0
		0.0	-2.06e-04	-8.35e-04	0.0	130.8	6.31e-03	0.53	-7.89e-05	0.0	-1.03e-04	0.42
						261.5	6.31e-03	0.86	-7.89e-05	0.0	-2.06e-04	1.26
68	22	1.38	0.0	0.03	0.66	0.0	2.38e-03	0.15	-5.03e-05	0.0	0.0	0.0
		0.0	-1.32e-04	-1.08e-03	0.0	130.8	2.38e-03	0.48	-5.03e-05	0.0	-6.58e-05	0.48
						261.5	2.38e-03	0.81	-5.03e-05	0.0	-1.32e-04	1.38
68	23	0.33	1.36e-04	-0.04	0.66	0.0	1.87e-03	-0.15	5.19e-05	0.0	0.0	0.0
		-0.08	0.0	1.08e-03	0.0	130.8	1.87e-03	0.17	5.19e-05	0.0	6.78e-05	-0.05
						261.5	1.87e-03	0.50	5.19e-05	0.0	1.36e-04	0.33
68	24	0.46	2.10e-04	-0.04	0.66	0.0	-2.05e-03	-0.20	8.05e-05	0.0	0.0	0.0
		-0.05	0.0	8.35e-04	0.0	130.8	-2.05e-03	0.13	8.05e-05	0.0	1.05e-04	0.01
						261.5	-2.05e-03	0.46	8.05e-05	0.0	2.10e-04	0.46
68	33	0.79	0.0	6.99e-03	0.66	0.0	9.34e-03	0.13	-6.66e-05	0.0	0.0	0.0
		-6.55e-04	-1.74e-04	1.26e-04	0.0	130.8	9.34e-03	0.46	-6.66e-05	0.0	-8.70e-05	0.18
						261.5	9.34e-03	0.79	-6.66e-05	0.0	-1.74e-04	0.79
68	36	0.92	1.78e-04	-0.02	0.66	0.0	-5.08e-03	-0.13	6.81e-05	0.0	0.0	0.0
		0.0	0.0	-1.26e-04	0.0	130.8	-5.08e-03	0.20	6.81e-05	0.0	8.90e-05	0.25
						261.5	-5.08e-03	0.52	6.81e-05	0.0	1.78e-04	0.92
68	53	1.09	0.0	9.00e-03	0.66	0.0	3.78e-03	0.09	-3.45e-05	0.0	0.0	0.0
		0.0	-9.01e-05	-4.30e-04	0.0	130.8	3.78e-03	0.42	-3.45e-05	0.0	-4.51e-05	0.33
						261.5	3.78e-03	0.74	-3.45e-05	0.0	-9.01e-05	1.09
68	56	0.63	9.42e-05	-0.02	0.66	0.0	4.80e-04	-0.09	3.60e-05	0.0	0.0	0.0
		-0.02	0.0	4.30e-04	0.0	130.8	4.80e-04	0.24	3.60e-05	0.0	4.71e-05	0.10
						261.5	4.80e-04	0.57	3.60e-05	0.0	9.42e-05	0.63
68	58	1.08	0.0	8.71e-03	0.66	0.0	2.64e-03	0.09	-3.52e-05	0.0	0.0	0.0
		0.0	-9.20e-05	-4.29e-04	0.0	130.8	2.64e-03	0.41	-3.52e-05	0.0	-4.60e-05	0.33
						261.5	2.64e-03	0.74	-3.52e-05	0.0	-9.20e-05	1.08
68	59	0.63	9.60e-05	-0.02	0.66	0.0	1.62e-03	-0.09	3.67e-05	0.0	0.0	0.0
		-0.01	0.0	4.29e-04	0.0	130.8	1.62e-03	0.24	3.67e-05	0.0	4.80e-05	0.10
						261.5	1.62e-03	0.57	3.67e-05	0.0	9.60e-05	0.63
68	65	0.98	0.0	-8.22e-04	0.66	0.0	4.50e-03	0.05	-2.23e-05	0.0	0.0	0.0
		0.0	-5.83e-05	-8.36e-06	0.0	130.8	4.50e-03	0.38	-2.23e-05	0.0	-2.92e-05	0.28
						261.5	4.50e-03	0.70	-2.23e-05	0.0	-5.83e-05	0.98
68	68	0.73	6.24e-05	-9.32e-03	0.66	0.0	-2.49e-04	-0.05	2.38e-05	0.0	0.0	0.0
		-4.41e-03	0.0	8.32e-06	0.0	130.8	-2.49e-04	0.28	2.38e-05	0.0	3.12e-05	0.15

						261.5	-2.49e-04	0.61	2.38e-05	0.0	6.24e-05	0.73
68	78	4.19	9.20e-06	-0.02	3.21	0.0	9.68e-03	0.0	3.52e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	9.68e-03	1.60	3.52e-06	0.0	4.60e-06	1.05
						261.5	9.68e-03	3.21	3.52e-06	0.0	9.20e-06	4.19
68	81	0.0	0.0	0.02	-2.72	0.0	-3.72e-03	0.0	-1.35e-06	0.0	0.0	0.0
		-3.55	-3.53e-06	0.0	0.0	130.8	-3.72e-03	-1.36	-1.35e-06	0.0	-1.77e-06	-0.89
						261.5	-3.72e-03	-2.72	-1.35e-06	0.0	-3.53e-06	-3.55
68	84	1.52	3.46e-06	-8.18e-03	1.17	0.0	3.64e-03	0.0	1.32e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	3.64e-03	0.58	1.32e-06	0.0	1.73e-06	0.38
						261.5	3.64e-03	1.17	1.32e-06	0.0	3.46e-06	1.52
68	85	0.0	0.0	1.34e-04	-0.02	0.0	9.58e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	9.58e-04	-9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.58e-04	-0.02	0.0	0.0	0.0	-0.03
68	87	0.86	2.02e-06	-4.60e-03	0.66	0.0	2.13e-03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.13e-03	0.33	0.0	0.0	1.01e-06	0.21
						261.5	2.13e-03	0.66	0.0	0.0	2.02e-06	0.86
69	3	6.22	1.36e-05	0.03	4.75	0.0	0.01	-4.75	-5.21e-06	0.0	1.36e-05	6.22
		0.0	0.0	0.0	0.0	130.8	0.01	-2.38	-5.21e-06	0.0	6.81e-06	1.55
						261.5	0.01	0.0	-5.21e-06	0.0	0.0	0.0
69	10	0.0	0.0	-0.03	-4.48	0.0	-6.87e-03	4.48	2.50e-06	0.0	-6.53e-06	-5.86
		-5.86	-6.53e-06	0.0	0.0	130.8	-6.87e-03	2.24	2.50e-06	0.0	-3.26e-06	-1.46
						261.5	-6.87e-03	0.0	2.50e-06	0.0	0.0	0.0
69	12	7.19	1.48e-05	0.04	5.50	0.0	0.02	-5.50	-5.67e-06	0.0	1.48e-05	7.19
		0.0	0.0	0.0	0.0	130.8	0.02	-2.75	-5.67e-06	0.0	7.42e-06	1.80
						261.5	0.02	0.0	-5.67e-06	0.0	0.0	0.0
69	21	0.44	2.17e-04	0.04	0.66	0.0	1.56e-03	-0.81	-8.28e-05	0.0	2.17e-04	0.44
		-0.05	0.0	-8.31e-04	0.0	130.8	1.56e-03	-0.49	-8.28e-05	0.0	1.08e-04	6.27e-03
						261.5	1.56e-03	-0.16	-8.28e-05	0.0	0.0	0.0
69	22	0.35	1.30e-04	0.04	0.66	0.0	-1.74e-03	-0.85	-4.95e-05	0.0	1.30e-04	0.35
		-0.08	0.0	-1.09e-03	0.0	130.8	-1.74e-03	-0.52	-4.95e-05	0.0	6.48e-05	-0.04
						261.5	-1.74e-03	-0.19	-4.95e-05	0.0	0.0	0.0
69	23	1.37	0.0	-0.03	0.66	0.0	5.99e-03	-0.46	4.80e-05	0.0	-1.26e-04	1.37
		0.0	-1.26e-04	1.09e-03	0.0	130.8	5.99e-03	-0.13	4.80e-05	0.0	-6.28e-05	0.47
						261.5	5.99e-03	0.19	4.80e-05	0.0	0.0	0.0
69	24	1.27	0.0	-0.03	0.66	0.0	2.70e-03	-0.50	8.13e-05	0.0	-2.12e-04	1.27
		0.0	-2.12e-04	8.31e-04	0.0	130.8	2.70e-03	-0.17	8.13e-05	0.0	-1.06e-04	0.42
						261.5	2.70e-03	0.16	8.13e-05	0.0	0.0	0.0
69	34	0.56	0.0	0.01	0.66	0.0	-4.03e-03	-0.77	3.50e-05	0.0	-9.16e-05	0.56
		-0.03	-9.16e-05	-7.15e-04	0.0	130.8	-4.03e-03	-0.44	3.50e-05	0.0	-4.58e-05	0.07
						261.5	-4.03e-03	-0.11	3.50e-05	0.0	0.0	0.0
69	35	1.15	9.57e-05	-5.67e-03	0.66	0.0	8.28e-03	-0.54	-3.66e-05	0.0	9.57e-05	1.15
		0.0	0.0	7.16e-04	0.0	130.8	8.28e-03	-0.21	-3.66e-05	0.0	4.78e-05	0.36
						261.5	8.28e-03	0.11	-3.66e-05	0.0	0.0	0.0
69	53	0.66	9.60e-05	0.02	0.66	0.0	1.62e-03	-0.74	-3.67e-05	0.0	9.60e-05	0.66
		-0.01	0.0	-4.29e-04	0.0	130.8	1.62e-03	-0.41	-3.67e-05	0.0	4.80e-05	0.11
						261.5	1.62e-03	-0.09	-3.67e-05	0.0	0.0	0.0
69	56	1.06	0.0	-8.71e-03	0.66	0.0	2.64e-03	-0.57	3.52e-05	0.0	-9.20e-05	1.06
		0.0	-9.20e-05	4.29e-04	0.0	130.8	2.64e-03	-0.24	3.52e-05	0.0	-4.60e-05	0.31
						261.5	2.64e-03	0.09	3.52e-05	0.0	0.0	0.0
69	58	0.63	9.42e-05	0.02	0.66	0.0	4.80e-04	-0.73	-3.60e-05	0.0	9.42e-05	0.63
		-0.02	0.0	-4.30e-04	0.0	130.8	4.80e-04	-0.40	-3.60e-05	0.0	4.71e-05	0.10
						261.5	4.80e-04	-0.07	-3.60e-05	0.0	0.0	0.0
69	59	1.09	0.0	-9.00e-03	0.66	0.0	3.78e-03	-0.58	3.45e-05	0.0	-9.01e-05	1.09
		0.0	-9.01e-05	4.30e-04	0.0	130.8	3.78e-03	-0.25	3.45e-05	0.0	-4.51e-05	0.33
						261.5	3.78e-03	0.07	3.45e-05	0.0	0.0	0.0
69	74	0.73	6.24e-05	9.32e-03	0.66	0.0	-2.49e-04	-0.66	-2.38e-05	0.0	6.24e-05	0.73
		-4.41e-03	0.0	-8.32e-06	0.0	130.8	-2.49e-04	-0.33	-2.38e-05	0.0	3.12e-05	0.15
						261.5	-2.49e-04	-1.32e-03	-2.38e-05	0.0	0.0	0.0
69	75	0.98	0.0	-9.41e-04	0.66	0.0	4.50e-03	-0.65	2.23e-05	0.0	-5.83e-05	0.98
		0.0	-5.83e-05	8.36e-06	0.0	130.8	4.50e-03	-0.33	2.23e-05	0.0	-2.92e-05	0.28
						261.5	4.50e-03	1.32e-03	2.23e-05	0.0	0.0	0.0
69	78	4.19	9.20e-06	0.02	3.21	0.0	9.68e-03	-3.21	-3.52e-06	0.0	9.20e-06	4.19
		0.0	0.0	0.0	0.0	130.8	9.68e-03	-1.60	-3.52e-06	0.0	4.60e-06	1.05
						261.5	9.68e-03	0.0	-3.52e-06	0.0	0.0	0.0
69	81	0.0	0.0	-0.02	-2.72	0.0	-3.72e-03	2.72	1.35e-06	0.0	-3.53e-06	-3.55
		-3.55	-3.53e-06	0.0	0.0	130.8	-3.72e-03	1.36	1.35e-06	0.0	-1.77e-06	-0.89
						261.5	-3.72e-03	0.0	1.35e-06	0.0	0.0	0.0
69	84	1.52	3.46e-06	8.18e-03	1.17	0.0	3.64e-03	-1.17	-1.32e-06	0.0	3.46e-06	1.52
		0.0	0.0	0.0	0.0	130.8	3.64e-03	-0.58	-1.32e-06	0.0	1.73e-06	0.38
						261.5	3.64e-03	0.0	-1.32e-06	0.0	0.0	0.0
69	85	0.0	0.0	-1.34e-04	-0.02	0.0	9.58e-04	0.02	0.0	0.0	0.0	-0.03
		-0.03	0.0	0.0	0.0	130.8	9.58e-04	9.57e-03	0.0	0.0	0.0	-6.26e-03
						261.5	9.58e-04	0.0	0.0	0.0	0.0	0.0
69	87	0.86	2.02e-06	4.60e-03	0.66	0.0	2.13e-03	-0.66	0.0	0.0	2.02e-06	0.86
		0.0	0.0	0.0	0.0	130.8	2.13e-03	-0.33	0.0	0.0	1.01e-06	0.21
						261.5	2.13e-03	0.0	0.0	0.0	0.0	0.0
70	3	6.22	3.73e-05	0.03	4.75	0.0	9.68e-03	-4.75	-1.43e-05	0.0	3.73e-05	6.22

		0.0	0.0	0.0	0.0	130.8	9.68e-03	-2.38	-1.43e-05	0.0	1.86e-05	1.55
						261.5	9.68e-03	0.0	-1.43e-05	0.0	0.0	0.0
70	10	0.0	0.0	-0.03	-4.48	0.0	-4.64e-03	4.48	6.84e-06	0.0	-1.79e-05	-5.86
		-5.86	-1.79e-05	0.0	0.0	130.8	-4.64e-03	2.24	6.84e-06	0.0	-8.94e-06	-1.46
						261.5	-4.64e-03	0.0	6.84e-06	0.0	0.0	0.0
70	12	7.19	4.07e-05	0.04	5.50	0.0	0.01	-5.50	-1.55e-05	0.0	4.07e-05	7.19
		0.0	0.0	0.0	0.0	130.8	0.01	-2.75	-1.55e-05	0.0	2.03e-05	1.80
						261.5	0.01	0.0	-1.55e-05	0.0	0.0	0.0
70	22	0.47	0.0	0.03	0.66	0.0	8.28e-03	-0.53	3.48e-05	0.0	-9.10e-05	0.47
		-0.04	-9.10e-05	-1.09e-03	0.0	130.8	8.28e-03	-0.20	3.48e-05	0.0	-4.55e-05	0.02
						261.5	8.28e-03	0.13	3.48e-05	0.0	0.0	0.0
70	23	1.25	1.02e-04	-0.02	0.66	0.0	-5.40e-03	-0.78	-3.90e-05	0.0	1.02e-04	1.25
		0.0	0.0	1.09e-03	0.0	130.8	-5.40e-03	-0.45	-3.90e-05	0.0	5.10e-05	0.41
						261.5	-5.40e-03	-0.13	-3.90e-05	0.0	0.0	0.0
70	25	0.48	0.0	0.03	0.66	0.0	0.01	-0.51	2.75e-05	0.0	-7.18e-05	0.48
		-0.04	-7.18e-05	-1.04e-03	0.0	130.8	0.01	-0.18	2.75e-05	0.0	-3.59e-05	0.02
						261.5	0.01	0.15	2.75e-05	0.0	0.0	0.0
70	28	1.24	8.29e-05	-0.02	0.66	0.0	-7.70e-03	-0.80	-3.17e-05	0.0	8.29e-05	1.24
		0.0	0.0	1.04e-03	0.0	130.8	-7.70e-03	-0.47	-3.17e-05	0.0	4.14e-05	0.40
						261.5	-7.70e-03	-0.15	-3.17e-05	0.0	0.0	0.0
70	57	0.68	0.0	0.02	0.66	0.0	5.75e-03	-0.59	1.13e-05	0.0	-2.96e-05	0.68
		-9.01e-03	-2.96e-05	-5.09e-04	0.0	130.8	5.75e-03	-0.26	1.13e-05	0.0	-1.48e-05	0.12
						261.5	5.75e-03	0.07	1.13e-05	0.0	0.0	0.0
70	58	0.70	0.0	0.02	0.66	0.0	4.52e-03	-0.60	1.48e-05	0.0	-3.86e-05	0.70
		-6.50e-03	-3.86e-05	-4.30e-04	0.0	130.8	4.52e-03	-0.27	1.48e-05	0.0	-1.93e-05	0.14
						261.5	4.52e-03	0.06	1.48e-05	0.0	0.0	0.0
70	59	1.01	4.97e-05	-7.70e-03	0.66	0.0	-1.65e-03	-0.72	-1.90e-05	0.0	4.97e-05	1.01
		0.0	0.0	4.30e-04	0.0	130.8	-1.65e-03	-0.39	-1.90e-05	0.0	2.49e-05	0.29
						261.5	-1.65e-03	-0.06	-1.90e-05	0.0	0.0	0.0
70	60	1.04	4.06e-05	-7.42e-03	0.66	0.0	-2.87e-03	-0.72	-1.55e-05	0.0	4.06e-05	1.04
		0.0	0.0	5.10e-04	0.0	130.8	-2.87e-03	-0.40	-1.55e-05	0.0	2.03e-05	0.30
						261.5	-2.87e-03	-0.07	-1.55e-05	0.0	0.0	0.0
70	78	4.19	2.52e-05	0.02	3.21	0.0	6.54e-03	-3.21	-9.64e-06	0.0	2.52e-05	4.19
		0.0	0.0	0.0	0.0	130.8	6.54e-03	-1.60	-9.64e-06	0.0	1.26e-05	1.05
						261.5	6.54e-03	0.0	-9.64e-06	0.0	0.0	0.0
70	81	0.0	0.0	-0.02	-2.72	0.0	-2.51e-03	2.72	3.70e-06	0.0	-9.68e-06	-3.55
		-3.55	-9.68e-06	0.0	0.0	130.8	-2.51e-03	1.36	3.70e-06	0.0	-4.84e-06	-0.89
						261.5	-2.51e-03	0.0	3.70e-06	0.0	0.0	0.0
70	84	1.52	9.47e-06	8.18e-03	1.17	0.0	2.46e-03	-1.17	-3.62e-06	0.0	9.47e-06	1.52
		0.0	0.0	0.0	0.0	130.8	2.46e-03	-0.58	-3.62e-06	0.0	4.74e-06	0.38
						261.5	2.46e-03	0.0	-3.62e-06	0.0	0.0	0.0
70	85	0.0	2.49e-06	-1.34e-04	-0.02	0.0	6.47e-04	0.02	0.0	0.0	2.49e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	6.47e-04	9.57e-03	0.0	0.0	1.25e-06	-6.26e-03
						261.5	6.47e-04	0.0	0.0	0.0	0.0	0.0
70	87	0.86	5.54e-06	4.60e-03	0.66	0.0	1.44e-03	-0.66	-2.12e-06	0.0	5.54e-06	0.86
		0.0	0.0	0.0	0.0	130.8	1.44e-03	-0.33	-2.12e-06	0.0	2.77e-06	0.21
						261.5	1.44e-03	0.0	-2.12e-06	0.0	0.0	0.0
71	3	6.22	3.73e-05	-0.03	4.75	0.0	9.68e-03	0.0	1.43e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	9.68e-03	2.38	1.43e-05	0.0	1.86e-05	1.55
						261.5	9.68e-03	4.75	1.43e-05	0.0	3.73e-05	6.22
71	10	0.0	0.0	0.03	-4.48	0.0	-4.64e-03	0.0	-6.84e-06	0.0	0.0	0.0
		-5.86	-1.79e-05	0.0	0.0	130.8	-4.64e-03	-2.24	-6.84e-06	0.0	-8.94e-06	-1.46
						261.5	-4.64e-03	-4.48	-6.84e-06	0.0	-1.79e-05	-5.86
71	12	7.19	4.07e-05	-0.04	5.50	0.0	0.01	0.0	1.55e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	0.01	2.75	1.55e-05	0.0	2.03e-05	1.80
						261.5	0.01	5.50	1.55e-05	0.0	4.07e-05	7.19
71	21	1.25	1.07e-04	0.02	0.66	0.0	-4.51e-03	-0.12	4.11e-05	0.0	0.0	0.0
		0.0	0.0	-8.35e-04	0.0	130.8	-4.51e-03	0.20	4.11e-05	0.0	5.37e-05	0.41
						261.5	-4.51e-03	0.53	4.11e-05	0.0	1.07e-04	1.25
71	22	1.18	7.72e-05	0.02	0.66	0.0	-8.35e-03	-0.15	2.95e-05	0.0	0.0	0.0
		0.0	0.0	-1.08e-03	0.0	130.8	-8.35e-03	0.18	2.95e-05	0.0	3.86e-05	0.38
						261.5	-8.35e-03	0.50	2.95e-05	0.0	7.72e-05	1.18
71	23	0.53	0.0	-0.03	0.66	0.0	0.01	0.15	-2.53e-05	0.0	0.0	0.0
		-0.03	-6.61e-05	1.08e-03	0.0	130.8	0.01	0.48	-2.53e-05	0.0	-3.31e-05	0.05
						261.5	0.01	0.81	-2.53e-05	0.0	-6.61e-05	0.53
71	24	0.46	0.0	-0.03	0.66	0.0	7.38e-03	0.12	-3.68e-05	0.0	0.0	0.0
		-0.05	-9.63e-05	8.35e-04	0.0	130.8	7.38e-03	0.45	-3.68e-05	0.0	-4.82e-05	0.02
						261.5	7.38e-03	0.78	-3.68e-05	0.0	-9.63e-05	0.46
71	53	1.04	4.97e-05	7.70e-03	0.66	0.0	-1.65e-03	-0.06	1.90e-05	0.0	0.0	0.0
		0.0	0.0	-4.30e-04	0.0	130.8	-1.65e-03	0.27	1.90e-05	0.0	2.49e-05	0.30
						261.5	-1.65e-03	0.60	1.90e-05	0.0	4.97e-05	1.04
71	54	1.01	4.06e-05	7.42e-03	0.66	0.0	-2.87e-03	-0.07	1.55e-05	0.0	0.0	0.0
		0.0	0.0	-5.10e-04	0.0	130.8	-2.87e-03	0.26	1.55e-05	0.0	2.03e-05	0.29
						261.5	-2.87e-03	0.59	1.55e-05	0.0	4.06e-05	1.01
71	55	0.70	0.0	-0.02	0.66	0.0	5.75e-03	0.07	-1.13e-05	0.0	0.0	0.0
		-6.50e-03	-2.96e-05	5.09e-04	0.0	130.8	5.75e-03	0.40	-1.13e-05	0.0	-1.48e-05	0.14
						261.5	5.75e-03	0.72	-1.13e-05	0.0	-2.96e-05	0.70

71	56	0.68	0.0	-0.02	0.66	0.0	4.52e-03	0.06	-1.48e-05	0.0	0.0	0.0
		-9.01e-03	-3.86e-05	4.30e-04	0.0	130.8	4.52e-03	0.39	-1.48e-05	0.0	-1.93e-05	0.12
						261.5	4.52e-03	0.72	-1.48e-05	0.0	-3.86e-05	0.68
71	78	4.19	2.52e-05	-0.02	3.21	0.0	6.54e-03	0.0	9.64e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	6.54e-03	1.60	9.64e-06	0.0	1.26e-05	1.05
						261.5	6.54e-03	3.21	9.64e-06	0.0	2.52e-05	4.19
71	81	0.0	0.0	0.02	-2.72	0.0	-2.51e-03	0.0	-3.70e-06	0.0	0.0	0.0
		-3.55	-9.68e-06	0.0	0.0	130.8	-2.51e-03	-1.36	-3.70e-06	0.0	-4.84e-06	-0.89
						261.5	-2.51e-03	-2.72	-3.70e-06	0.0	-9.68e-06	-3.55
71	84	1.52	9.47e-06	-8.18e-03	1.17	0.0	2.46e-03	0.0	3.62e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	2.46e-03	0.58	3.62e-06	0.0	4.74e-06	0.38
						261.5	2.46e-03	1.17	3.62e-06	0.0	9.47e-06	1.52
71	85	0.0	2.49e-06	1.34e-04	-0.02	0.0	6.47e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	6.47e-04	-9.57e-03	0.0	0.0	1.25e-06	-6.26e-03
						261.5	6.47e-04	-0.02	0.0	0.0	2.49e-06	-0.03
71	87	0.86	5.54e-06	-4.60e-03	0.66	0.0	1.44e-03	0.0	2.12e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	1.44e-03	0.33	2.12e-06	0.0	2.77e-06	0.21
						261.5	1.44e-03	0.66	2.12e-06	0.0	5.54e-06	0.86
72	3	6.22	3.58e-05	-0.03	4.75	0.0	-1.56e-03	0.0	1.37e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-1.56e-03	2.38	1.37e-05	0.0	1.79e-05	1.55
						261.5	-1.56e-03	4.75	1.37e-05	0.0	3.58e-05	6.22
72	10	0.0	0.0	0.03	-4.48	0.0	7.50e-04	0.0	-6.56e-06	0.0	0.0	0.0
		-5.86	-1.72e-05	0.0	0.0	130.8	7.50e-04	-2.24	-6.56e-06	0.0	-8.58e-06	-1.46
						261.5	7.50e-04	-4.48	-6.56e-06	0.0	-1.72e-05	-5.86
72	12	7.19	3.90e-05	-0.04	5.50	0.0	-1.70e-03	0.0	1.49e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-1.70e-03	2.75	1.49e-05	0.0	1.95e-05	1.80
						261.5	-1.70e-03	5.50	1.49e-05	0.0	3.90e-05	7.19
72	22	1.33	0.0	0.02	0.66	0.0	-2.12e-03	-0.18	-2.45e-05	0.0	0.0	0.0
		0.0	-6.41e-05	-1.08e-03	0.0	130.8	-2.12e-03	0.15	-2.45e-05	0.0	-3.21e-05	0.45
						261.5	-2.12e-03	0.48	-2.45e-05	0.0	-6.41e-05	1.33
72	23	0.39	7.47e-05	-0.03	0.66	0.0	1.66e-03	0.18	2.86e-05	0.0	0.0	0.0
		-0.06	0.0	1.08e-03	0.0	130.8	1.66e-03	0.51	2.86e-05	0.0	3.74e-05	-0.02
						261.5	1.66e-03	0.84	2.86e-05	0.0	7.47e-05	0.39
72	33	0.87	3.27e-05	1.68e-03	0.66	0.0	-4.91e-03	-6.03e-03	1.25e-05	0.0	0.0	0.0
		0.0	0.0	1.26e-04	0.0	130.8	-4.91e-03	0.32	1.25e-05	0.0	1.63e-05	0.22
						261.5	-4.91e-03	0.65	1.25e-05	0.0	3.27e-05	0.87
72	36	0.84	0.0	-0.01	0.66	0.0	4.44e-03	6.03e-03	-8.43e-06	0.0	0.0	0.0
		0.0	-2.21e-05	-1.26e-04	0.0	130.8	4.44e-03	0.33	-8.43e-06	0.0	-1.10e-05	0.21
						261.5	4.44e-03	0.66	-8.43e-06	0.0	-2.21e-05	0.84
72	54	1.08	0.0	7.27e-03	0.66	0.0	-1.33e-03	-0.09	-9.66e-06	0.0	0.0	0.0
		0.0	-2.53e-05	-5.10e-04	0.0	130.8	-1.33e-03	0.24	-9.66e-06	0.0	-1.26e-05	0.33
						261.5	-1.33e-03	0.57	-9.66e-06	0.0	-2.53e-05	1.08
72	55	0.63	3.59e-05	-0.02	0.66	0.0	8.65e-04	0.09	1.37e-05	0.0	0.0	0.0
		-0.01	0.0	5.09e-04	0.0	130.8	8.65e-04	0.41	1.37e-05	0.0	1.79e-05	0.10
						261.5	8.65e-04	0.74	1.37e-05	0.0	3.59e-05	0.63
72	58	1.08	0.0	7.24e-03	0.66	0.0	-1.16e-03	-0.08	-9.00e-06	0.0	0.0	0.0
		0.0	-2.35e-05	-4.29e-04	0.0	130.8	-1.16e-03	0.25	-9.00e-06	0.0	-1.18e-05	0.33
						261.5	-1.16e-03	0.58	-9.00e-06	0.0	-2.35e-05	1.08
72	59	0.63	3.42e-05	-0.02	0.66	0.0	6.96e-04	0.08	1.31e-05	0.0	0.0	0.0
		-0.01	0.0	4.29e-04	0.0	130.8	6.96e-04	0.41	1.31e-05	0.0	1.71e-05	0.10
						261.5	6.96e-04	0.73	1.31e-05	0.0	3.42e-05	0.63
72	73	0.89	4.80e-06	-1.84e-03	0.66	0.0	-2.32e-03	-0.04	1.83e-06	0.0	0.0	0.0
		0.0	0.0	-2.77e-04	0.0	130.8	-2.32e-03	0.29	1.83e-06	0.0	2.40e-06	0.23
						261.5	-2.32e-03	0.62	1.83e-06	0.0	4.80e-06	0.89
72	76	0.83	5.83e-06	-7.68e-03	0.66	0.0	1.85e-03	0.04	2.23e-06	0.0	0.0	0.0
		0.0	0.0	2.76e-04	0.0	130.8	1.85e-03	0.37	2.23e-06	0.0	2.91e-06	0.20
						261.5	1.85e-03	0.69	2.23e-06	0.0	5.83e-06	0.83
72	78	4.19	2.42e-05	-0.02	3.21	0.0	-1.06e-03	0.0	9.25e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-1.06e-03	1.60	9.25e-06	0.0	1.21e-05	1.05
						261.5	-1.06e-03	3.21	9.25e-06	0.0	2.42e-05	4.19
72	81	0.0	0.0	0.02	-2.72	0.0	4.06e-04	0.0	-3.55e-06	0.0	0.0	0.0
		-3.55	-9.29e-06	0.0	0.0	130.8	4.06e-04	-1.36	-3.55e-06	0.0	-4.64e-06	-0.89
						261.5	4.06e-04	-2.72	-3.55e-06	0.0	-9.29e-06	-3.55
72	84	1.52	9.09e-06	-8.18e-03	1.17	0.0	-3.97e-04	0.0	3.47e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-3.97e-04	0.58	3.47e-06	0.0	4.54e-06	0.38
						261.5	-3.97e-04	1.17	3.47e-06	0.0	9.09e-06	1.52
72	85	0.0	2.39e-06	1.34e-04	-0.02	0.0	-1.05e-04	0.0	0.0	0.0	0.0	0.0
		-0.03	0.0	0.0	0.0	130.8	-1.05e-04	-9.57e-03	0.0	0.0	1.20e-06	-6.26e-03
						261.5	-1.05e-04	-0.02	0.0	0.0	2.39e-06	-0.03
72	87	0.86	5.31e-06	-4.60e-03	0.66	0.0	-2.32e-04	0.0	2.03e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-2.32e-04	0.33	2.03e-06	0.0	2.66e-06	0.21
						261.5	-2.32e-04	0.66	2.03e-06	0.0	5.31e-06	0.86
73	3	6.22	3.58e-05	0.03	4.75	0.0	-1.56e-03	-4.75	-1.37e-05	0.0	3.58e-05	6.22
		0.0	0.0	0.0	0.0	130.8	-1.56e-03	-2.38	-1.37e-05	0.0	1.79e-05	1.55
						261.5	-1.56e-03	0.0	-1.37e-05	0.0	0.0	0.0
73	10	0.0	0.0	-0.03	-4.48	0.0	7.50e-04	4.48	6.56e-06	0.0	-1.72e-05	-5.86
		-5.86	-1.72e-05	0.0	0.0	130.8	7.50e-04	2.24	6.56e-06	0.0	-8.58e-06	-1.46

						261.5	7.50e-04	0.0	6.56e-06	0.0	0.0	0.0
73	12	7.19	3.90e-05	0.04	5.50	0.0	-1.70e-03	-5.50	-1.49e-05	0.0	3.90e-05	7.19
		0.0	0.0	0.0	0.0	130.8	-1.70e-03	-2.75	-1.49e-05	0.0	1.95e-05	1.80
						261.5	-1.70e-03	0.0	-1.49e-05	0.0	0.0	0.0
73	22	0.38	5.38e-05	0.03	0.66	0.0	4.48e-03	-0.50	-2.06e-05	0.0	5.38e-05	0.38
		-0.06	0.0	-1.09e-03	0.0	130.8	4.48e-03	-0.17	-2.06e-05	0.0	2.69e-05	-0.02
						261.5	4.48e-03	0.15	-2.06e-05	0.0	0.0	0.0
73	23	1.33	0.0	-0.02	0.66	0.0	-4.95e-03	-0.81	1.65e-05	0.0	-4.31e-05	1.33
		0.0	-4.31e-05	1.09e-03	0.0	130.8	-4.95e-03	-0.48	1.65e-05	0.0	-2.16e-05	0.45
						261.5	-4.95e-03	-0.15	1.65e-05	0.0	0.0	0.0
73	25	0.40	6.97e-05	0.03	0.66	0.0	2.11e-03	-0.48	-2.67e-05	0.0	6.97e-05	0.40
		-0.06	0.0	-1.04e-03	0.0	130.8	2.11e-03	-0.15	-2.67e-05	0.0	3.48e-05	-0.01
						261.5	2.11e-03	0.17	-2.67e-05	0.0	0.0	0.0
73	28	1.31	0.0	-0.02	0.66	0.0	-2.57e-03	-0.83	2.26e-05	0.0	-5.91e-05	1.31
		0.0	-5.91e-05	1.04e-03	0.0	130.8	-2.57e-03	-0.50	2.26e-05	0.0	-2.95e-05	0.44
						261.5	-2.57e-03	-0.17	2.26e-05	0.0	0.0	0.0
73	34	0.60	0.0	0.01	0.66	0.0	6.33e-03	-0.65	1.35e-06	0.0	-3.52e-06	0.60
		-0.02	-3.52e-06	-7.16e-04	0.0	130.8	6.33e-03	-0.32	1.35e-06	0.0	-1.76e-06	0.09
						261.5	6.33e-03	3.81e-03	1.35e-06	0.0	0.0	0.0
73	35	1.11	1.41e-05	-2.16e-03	0.66	0.0	-6.79e-03	-0.66	-5.41e-06	0.0	1.41e-05	1.11
		0.0	0.0	7.16e-04	0.0	130.8	-6.79e-03	-0.33	-5.41e-06	0.0	7.07e-06	0.34
						261.5	-6.79e-03	-3.81e-03	-5.41e-06	0.0	0.0	0.0
73	53	0.63	3.42e-05	0.02	0.66	0.0	6.96e-04	-0.57	-1.31e-05	0.0	3.42e-05	0.63
		-0.01	0.0	-4.29e-04	0.0	130.8	6.96e-04	-0.24	-1.31e-05	0.0	1.71e-05	0.10
						261.5	6.96e-04	0.09	-1.31e-05	0.0	0.0	0.0
73	56	1.08	0.0	-7.24e-03	0.66	0.0	-1.16e-03	-0.74	9.00e-06	0.0	-2.35e-05	1.08
		0.0	-2.35e-05	4.29e-04	0.0	130.8	-1.16e-03	-0.41	9.00e-06	0.0	-1.18e-05	0.33
						261.5	-1.16e-03	-0.09	9.00e-06	0.0	0.0	0.0
73	57	0.63	3.59e-05	0.02	0.66	0.0	8.65e-04	-0.57	-1.37e-05	0.0	3.59e-05	0.63
		-0.01	0.0	-5.09e-04	0.0	130.8	8.65e-04	-0.24	-1.37e-05	0.0	1.79e-05	0.10
						261.5	8.65e-04	0.09	-1.37e-05	0.0	0.0	0.0
73	60	1.08	0.0	-7.27e-03	0.66	0.0	-1.33e-03	-0.74	9.66e-06	0.0	-2.53e-05	1.08
		0.0	-2.53e-05	5.10e-04	0.0	130.8	-1.33e-03	-0.41	9.66e-06	0.0	-1.26e-05	0.33
						261.5	-1.33e-03	-0.09	9.66e-06	0.0	0.0	0.0
73	66	0.83	5.83e-06	7.68e-03	0.66	0.0	1.85e-03	-0.64	-2.23e-06	0.0	5.83e-06	0.83
		0.0	0.0	-2.76e-04	0.0	130.8	1.85e-03	-0.32	-2.23e-06	0.0	2.91e-06	0.20
						261.5	1.85e-03	0.01	-2.23e-06	0.0	0.0	0.0
73	67	0.89	4.80e-06	1.51e-03	0.66	0.0	-2.32e-03	-0.67	-1.83e-06	0.0	4.80e-06	0.89
		0.0	0.0	2.77e-04	0.0	130.8	-2.32e-03	-0.34	-1.83e-06	0.0	2.40e-06	0.23
						261.5	-2.32e-03	-0.01	-1.83e-06	0.0	0.0	0.0
73	78	4.19	2.42e-05	0.02	3.21	0.0	-1.06e-03	-3.21	-9.25e-06	0.0	2.42e-05	4.19
		0.0	0.0	0.0	0.0	130.8	-1.06e-03	-1.60	-9.25e-06	0.0	1.21e-05	1.05
						261.5	-1.06e-03	0.0	-9.25e-06	0.0	0.0	0.0
73	81	0.0	0.0	-0.02	-2.72	0.0	4.06e-04	2.72	3.55e-06	0.0	-9.29e-06	-3.55
		-3.55	-9.29e-06	0.0	0.0	130.8	4.06e-04	1.36	3.55e-06	0.0	-4.64e-06	-0.89
						261.5	4.06e-04	0.0	3.55e-06	0.0	0.0	0.0
73	84	1.52	9.09e-06	8.18e-03	1.17	0.0	-3.97e-04	-1.17	-3.47e-06	0.0	9.09e-06	1.52
		0.0	0.0	0.0	0.0	130.8	-3.97e-04	-0.58	-3.47e-06	0.0	4.54e-06	0.38
						261.5	-3.97e-04	0.0	-3.47e-06	0.0	0.0	0.0
73	85	0.0	2.39e-06	-1.34e-04	-0.02	0.0	-1.05e-04	0.02	0.0	0.0	2.39e-06	-0.03
		-0.03	0.0	0.0	0.0	130.8	-1.05e-04	9.57e-03	0.0	0.0	1.20e-06	-6.26e-03
						261.5	-1.05e-04	0.0	0.0	0.0	0.0	0.0
73	87	0.86	5.31e-06	4.60e-03	0.66	0.0	-2.32e-04	-0.66	-2.03e-06	0.0	5.31e-06	0.86
		0.0	0.0	0.0	0.0	130.8	-2.32e-04	-0.33	-2.03e-06	0.0	2.66e-06	0.21
						261.5	-2.32e-04	0.0	-2.03e-06	0.0	0.0	0.0
74	3	3.31	2.96e-05	0.02	2.53	0.0	-0.01	-2.53	-1.13e-05	0.0	2.96e-05	3.31
		0.0	0.0	0.0	0.0	130.8	-0.01	-1.27	-1.13e-05	0.0	1.48e-05	0.83
						261.5	-0.01	0.0	-1.13e-05	0.0	0.0	0.0
74	10	0.0	0.0	-0.03	-4.65	0.0	6.84e-03	4.65	5.43e-06	0.0	-1.42e-05	-6.08
		-6.08	-1.42e-05	0.0	0.0	130.8	6.84e-03	2.33	5.43e-06	0.0	-7.10e-06	-1.52
						261.5	6.84e-03	0.0	5.43e-06	0.0	0.0	0.0
74	12	4.29	3.23e-05	0.02	3.28	0.0	-0.02	-3.28	-1.23e-05	0.0	3.23e-05	4.29
		0.0	0.0	0.0	0.0	130.8	-0.02	-1.64	-1.23e-05	0.0	1.61e-05	1.07
						261.5	-0.02	0.0	-1.23e-05	0.0	0.0	0.0
74	22	0.20	0.0	0.03	0.45	0.0	2.20e-03	-0.60	6.52e-06	0.0	-1.70e-05	0.20
		-0.06	-1.70e-05	-1.09e-03	0.0	130.8	2.20e-03	-0.37	6.52e-06	0.0	-8.52e-06	-0.05
						261.5	2.20e-03	-0.15	6.52e-06	0.0	0.0	0.0
74	23	0.98	2.58e-05	-0.02	0.45	0.0	-6.43e-03	-0.30	-9.88e-06	0.0	2.58e-05	0.98
		0.0	0.0	1.09e-03	0.0	130.8	-6.43e-03	-0.08	-9.88e-06	0.0	1.29e-05	0.34
						261.5	-6.43e-03	0.15	-9.88e-06	0.0	0.0	0.0
74	33	0.73	3.10e-05	0.01	0.45	0.0	-0.02	-0.39	-1.18e-05	0.0	3.10e-05	0.73
		0.0	0.0	1.40e-04	0.0	130.8	-0.02	-0.17	-1.18e-05	0.0	1.55e-05	0.22
						261.5	-0.02	0.06	-1.18e-05	0.0	0.0	0.0
74	34	0.25	0.0	9.77e-03	0.45	0.0	0.01	-0.58	1.13e-05	0.0	-2.96e-05	0.25
		-0.05	-2.96e-05	-7.16e-04	0.0	130.8	0.01	-0.35	1.13e-05	0.0	-1.48e-05	-0.02
						261.5	0.01	-0.13	1.13e-05	0.0	0.0	0.0
74	35	0.92	3.84e-05	-3.48e-03	0.45	0.0	-0.02	-0.32	-1.47e-05	0.0	3.84e-05	0.92

		0.0	0.0	7.16e-04	0.0	130.8	-0.02	-0.10	-1.47e-05	0.0	1.92e-05	0.31
						261.5	-0.02	0.13	-1.47e-05	0.0	0.0	0.0
74	36	0.44	0.0	-6.69e-03	0.45	0.0	0.01	-0.50	8.47e-06	0.0	-2.22e-05	0.44
		-8.92e-03	-2.22e-05	-1.40e-04	0.0	130.8	0.01	-0.28	8.47e-06	0.0	-1.11e-05	0.07
						261.5	0.01	-0.06	8.47e-06	0.0	0.0	0.0
74	54	0.41	0.0	0.01	0.45	0.0	-9.43e-04	-0.50	1.56e-06	0.0	-4.07e-06	0.41
		-0.01	-4.07e-06	-5.10e-04	0.0	130.8	-9.43e-04	-0.28	1.56e-06	0.0	-2.04e-06	0.06
						261.5	-9.43e-04	-0.05	1.56e-06	0.0	0.0	0.0
74	55	0.76	1.29e-05	-8.53e-03	0.45	0.0	-3.29e-03	-0.39	-4.92e-06	0.0	1.29e-05	0.76
		0.0	0.0	5.10e-04	0.0	130.8	-3.29e-03	-0.17	-4.92e-06	0.0	6.44e-06	0.23
						261.5	-3.29e-03	0.05	-4.92e-06	0.0	0.0	0.0
74	65	0.60	1.15e-05	7.06e-03	0.45	0.0	-6.86e-03	-0.49	-4.41e-06	0.0	1.15e-05	0.60
		0.0	0.0	-5.37e-06	0.0	130.8	-6.86e-03	-0.26	-4.41e-06	0.0	5.76e-06	0.15
						261.5	-6.86e-03	-0.04	-4.41e-06	0.0	0.0	0.0
74	66	0.48	0.0	6.30e-03	0.45	0.0	2.49e-03	-0.44	2.37e-06	0.0	-6.21e-06	0.48
		-4.28e-03	-6.21e-06	-2.76e-04	0.0	130.8	2.49e-03	-0.22	2.37e-06	0.0	-3.10e-06	0.09
						261.5	2.49e-03	3.83e-03	2.37e-06	0.0	0.0	0.0
74	67	0.69	1.50e-05	-6.44e-04	0.45	0.0	-6.73e-03	-0.45	-5.74e-06	0.0	1.50e-05	0.69
		0.0	0.0	2.76e-04	0.0	130.8	-6.73e-03	-0.23	-5.74e-06	0.0	7.50e-06	0.20
						261.5	-6.73e-03	-3.83e-03	-5.74e-06	0.0	0.0	0.0
74	68	0.58	0.0	-8.46e-04	0.45	0.0	2.63e-03	-0.41	1.04e-06	0.0	-2.72e-06	0.58
		0.0	-2.72e-06	5.46e-06	0.0	130.8	2.63e-03	-0.18	1.04e-06	0.0	-1.36e-06	0.14
						261.5	2.63e-03	0.04	1.04e-06	0.0	0.0	0.0
74	78	2.25	2.00e-05	0.01	1.72	0.0	-9.63e-03	-1.72	-7.65e-06	0.0	2.00e-05	2.25
		0.0	0.0	0.0	0.0	130.8	-9.63e-03	-0.86	-7.65e-06	0.0	1.00e-05	0.56
						261.5	-9.63e-03	0.0	-7.65e-06	0.0	0.0	0.0
74	81	0.0	0.0	-0.02	-2.93	0.0	3.70e-03	2.93	2.94e-06	0.0	-7.69e-06	-3.82
		-3.82	-7.69e-06	0.0	0.0	130.8	3.70e-03	1.46	2.94e-06	0.0	-3.85e-06	-0.96
						261.5	3.70e-03	0.0	2.94e-06	0.0	0.0	0.0
74	84	0.92	7.52e-06	4.93e-03	0.70	0.0	-3.62e-03	-0.70	-2.88e-06	0.0	7.52e-06	0.92
		0.0	0.0	0.0	0.0	130.8	-3.62e-03	-0.35	-2.88e-06	0.0	3.76e-06	0.23
						261.5	-3.62e-03	0.0	-2.88e-06	0.0	0.0	0.0
74	85	0.0	1.98e-06	-1.59e-03	-0.23	0.0	-9.53e-04	0.23	0.0	0.0	1.98e-06	-0.30
		-0.30	0.0	0.0	0.0	130.8	-9.53e-04	0.11	0.0	0.0	0.0	-0.07
						261.5	-9.53e-04	0.0	0.0	0.0	0.0	0.0
74	87	0.59	4.40e-06	3.14e-03	0.45	0.0	-2.12e-03	-0.45	-1.68e-06	0.0	4.40e-06	0.59
		0.0	0.0	0.0	0.0	130.8	-2.12e-03	-0.22	-1.68e-06	0.0	2.20e-06	0.15
						261.5	-2.12e-03	0.0	-1.68e-06	0.0	0.0	0.0
75	3	3.31	2.96e-05	-0.02	2.53	0.0	-0.01	0.0	1.13e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.01	1.27	1.13e-05	0.0	1.48e-05	0.83
						261.5	-0.01	2.53	1.13e-05	0.0	2.96e-05	3.31
75	10	0.0	0.0	0.03	-4.65	0.0	6.84e-03	0.0	-5.43e-06	0.0	0.0	0.0
		-6.08	-1.42e-05	0.0	0.0	130.8	6.84e-03	-2.33	-5.43e-06	0.0	-7.10e-06	-1.52
						261.5	6.84e-03	-4.65	-5.43e-06	0.0	-1.42e-05	-6.08
75	12	4.29	3.23e-05	-0.02	3.28	0.0	-0.02	0.0	1.23e-05	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-0.02	1.64	1.23e-05	0.0	1.61e-05	1.07
						261.5	-0.02	3.28	1.23e-05	0.0	3.23e-05	4.29
75	22	0.97	9.40e-06	0.02	0.45	0.0	3.02e-03	0.15	3.60e-06	0.0	0.0	0.0
		0.0	0.0	-1.08e-03	0.0	130.8	3.02e-03	0.37	3.60e-06	0.0	4.70e-06	0.34
						261.5	3.02e-03	0.60	3.60e-06	0.0	9.40e-06	0.97
75	23	0.20	0.0	-0.03	0.45	0.0	-7.26e-03	-0.15	0.0	0.0	0.0	0.0
		-0.06	0.0	1.08e-03	0.0	130.8	-7.26e-03	0.08	0.0	0.0	0.0	-0.05
						261.5	-7.26e-03	0.30	0.0	0.0	0.0	0.20
75	33	0.45	3.26e-05	2.91e-03	0.45	0.0	-0.02	-0.05	1.25e-05	0.0	0.0	0.0
		-8.24e-03	0.0	1.26e-04	0.0	130.8	-0.02	0.17	1.25e-05	0.0	1.63e-05	0.08
						261.5	-0.02	0.39	1.25e-05	0.0	3.26e-05	0.45
75	34	0.92	0.0	7.26e-03	0.45	0.0	0.01	0.13	-6.28e-06	0.0	0.0	0.0
		0.0	-1.64e-05	-7.01e-04	0.0	130.8	0.01	0.35	-6.28e-06	0.0	-8.21e-06	0.31
						261.5	0.01	0.57	-6.28e-06	0.0	-1.64e-05	0.92
75	35	0.26	2.52e-05	-0.01	0.45	0.0	-0.02	-0.13	9.65e-06	0.0	0.0	0.0
		-0.05	0.0	7.01e-04	0.0	130.8	-0.02	0.10	9.65e-06	0.0	1.26e-05	-0.02
						261.5	-0.02	0.32	9.65e-06	0.0	2.52e-05	0.26
75	36	0.72	0.0	-9.20e-03	0.45	0.0	0.01	0.05	-9.12e-06	0.0	0.0	0.0
		0.0	-2.38e-05	-1.26e-04	0.0	130.8	0.01	0.28	-9.12e-06	0.0	-1.19e-05	0.22
						261.5	0.01	0.50	-9.12e-06	0.0	-2.38e-05	0.72
75	58	0.76	7.55e-06	8.76e-03	0.45	0.0	-4.84e-04	0.05	2.89e-06	0.0	0.0	0.0
		0.0	0.0	-4.29e-04	0.0	130.8	-4.84e-04	0.28	2.89e-06	0.0	3.78e-06	0.23
						261.5	-4.84e-04	0.50	2.89e-06	0.0	7.55e-06	0.76
75	59	0.41	1.25e-06	-0.02	0.45	0.0	-3.75e-03	-0.05	0.0	0.0	0.0	0.0
		-0.01	0.0	4.29e-04	0.0	130.8	-3.75e-03	0.17	0.0	0.0	0.0	0.06
						261.5	-3.75e-03	0.39	0.0	0.0	1.25e-06	0.41
75	73	0.58	1.50e-05	-4.77e-04	0.45	0.0	-6.73e-03	0.04	5.74e-06	0.0	0.0	0.0
		0.0	0.0	-2.76e-04	0.0	130.8	-6.73e-03	0.26	5.74e-06	0.0	7.50e-06	0.14
						261.5	-6.73e-03	0.49	5.74e-06	0.0	1.50e-05	0.58
75	74	0.69	0.0	7.74e-04	0.45	0.0	2.63e-03	-3.83e-03	-1.04e-06	0.0	0.0	0.0
		0.0	-2.72e-06	-5.46e-06	0.0	130.8	2.63e-03	0.22	-1.04e-06	0.0	-1.36e-06	0.20
						261.5	2.63e-03	0.44	-1.04e-06	0.0	-2.72e-06	0.69

75	75	0.48	1.15e-05	-7.06e-03	0.45	0.0	-6.86e-03	3.83e-03	4.41e-06	0.0	0.0	0.0
		-4.28e-03	0.0	5.37e-06	0.0	130.8	-6.86e-03	0.23	4.41e-06	0.0	5.76e-06	0.09
						261.5	-6.86e-03	0.45	4.41e-06	0.0	1.15e-05	0.48
75	76	0.60	0.0	-6.30e-03	0.45	0.0	2.49e-03	-0.04	-2.37e-06	0.0	0.0	0.0
		0.0	-6.21e-06	2.76e-04	0.0	130.8	2.49e-03	0.18	-2.37e-06	0.0	-3.10e-06	0.15
						261.5	2.49e-03	0.41	-2.37e-06	0.0	-6.21e-06	0.60
75	78	2.25	2.00e-05	-0.01	1.72	0.0	-9.63e-03	0.0	7.65e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-9.63e-03	0.86	7.65e-06	0.0	1.00e-05	0.56
						261.5	-9.63e-03	1.72	7.65e-06	0.0	2.00e-05	2.25
75	81	0.0	0.0	0.02	-2.93	0.0	3.70e-03	0.0	-2.94e-06	0.0	0.0	0.0
		-3.82	-7.69e-06	0.0	0.0	130.8	3.70e-03	-1.46	-2.94e-06	0.0	-3.85e-06	-0.96
						261.5	3.70e-03	-2.93	-2.94e-06	0.0	-7.69e-06	-3.82
75	84	0.92	7.52e-06	-4.93e-03	0.70	0.0	-3.62e-03	0.0	2.88e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-3.62e-03	0.35	2.88e-06	0.0	3.76e-06	0.23
						261.5	-3.62e-03	0.70	2.88e-06	0.0	7.52e-06	0.92
75	85	0.0	1.98e-06	1.59e-03	-0.23	0.0	-9.53e-04	0.0	0.0	0.0	0.0	0.0
		-0.30	0.0	0.0	0.0	130.8	-9.53e-04	-0.11	0.0	0.0	0.0	-0.07
						261.5	-9.53e-04	-0.23	0.0	0.0	1.98e-06	-0.30
75	87	0.59	4.40e-06	-3.14e-03	0.45	0.0	-2.12e-03	0.0	1.68e-06	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	130.8	-2.12e-03	0.22	1.68e-06	0.0	2.20e-06	0.15
						261.5	-2.12e-03	0.45	1.68e-06	0.0	4.40e-06	0.59
76	3	-0.17	0.0	0.01	-0.40	0.0	-0.24	-23.92	0.0	0.0	0.0	-0.17
		-27.52	0.0	0.0	0.0	56.7	-0.24	-24.12	0.0	0.0	0.0	-13.79
						113.4	-0.24	-24.33	0.0	0.0	0.0	-27.52
76	10	22.53	0.0	-7.74e-03	-0.31	0.0	0.12	20.25	0.0	0.0	0.0	-0.25
		-0.25	0.0	0.0	0.0	56.7	0.12	20.09	0.0	0.0	0.0	11.19
						113.4	0.12	19.94	0.0	0.0	0.0	22.53
76	12	-0.14	0.0	0.01	-0.40	0.0	-0.26	-27.40	0.0	0.0	0.0	-0.14
		-31.44	0.0	0.0	0.0	56.7	-0.26	-27.60	0.0	0.0	0.0	-15.73
						113.4	-0.26	-27.80	0.0	0.0	0.0	-31.44
76	14	0.57	0.42	1.69e-03	-0.31	0.0	0.01	-3.24	-1.72	-1.75	0.42	0.57
		-3.29	-1.53	8.63e-05	0.0	56.7	0.01	-3.40	-1.72	-1.75	-0.55	-1.32
						113.4	0.01	-3.55	-1.72	-1.75	-1.53	-3.29
76	15	-0.64	1.53	1.55e-03	-0.31	0.0	-0.08	-4.26	1.72	1.75	-0.42	-0.64
		-5.64	-0.42	-8.63e-05	0.0	56.7	-0.08	-4.41	1.72	1.75	0.55	-3.10
						113.4	-0.08	-4.57	1.72	1.75	1.53	-5.64
76	30	1.98	0.36	1.84e-03	-0.31	0.0	0.12	-2.06	-1.45	-0.34	0.36	1.98
		-0.55	-1.29	-1.21e-04	0.0	56.7	0.12	-2.21	-1.45	-0.34	-0.47	0.76
						113.4	0.12	-2.37	-1.45	-0.34	-1.29	-0.55
76	31	-2.05	1.29	1.41e-03	-0.31	0.0	-0.19	-5.45	1.45	0.34	-0.36	-2.05
		-8.38	-0.36	1.21e-04	0.0	56.7	-0.19	-5.60	1.45	0.34	0.47	-5.17
						113.4	-0.19	-5.76	1.45	0.34	1.29	-8.38
76	33	-2.05	0.72	1.41e-03	-0.31	0.0	-0.19	-5.45	0.81	0.10	-0.20	-2.05
		-8.38	-0.20	3.08e-04	0.0	56.7	-0.19	-5.60	0.81	0.10	0.26	-5.17
						113.4	-0.19	-5.76	0.81	0.10	0.72	-8.38
76	34	1.98	0.31	1.84e-03	-0.31	0.0	0.12	-2.06	-1.26	0.51	0.31	1.98
		-0.55	-1.12	2.61e-05	0.0	56.7	0.12	-2.21	-1.26	0.51	-0.41	0.76
						113.4	0.12	-2.37	-1.26	0.51	-1.12	-0.55
76	49	-0.23	0.18	1.60e-03	-0.31	0.0	-0.05	-3.91	-0.75	-0.81	0.18	-0.23
		-4.84	-0.67	4.94e-05	0.0	56.7	-0.05	-4.07	-0.75	-0.81	-0.24	-2.49
						113.4	-0.05	-4.22	-0.75	-0.81	-0.67	-4.84
76	52	0.16	0.67	1.64e-03	-0.31	0.0	-0.02	-3.59	0.75	0.81	-0.18	0.16
		-4.09	-0.18	-4.94e-05	0.0	56.7	-0.02	-3.75	0.75	0.81	0.24	-1.93
						113.4	-0.02	-3.90	0.75	0.81	0.67	-4.09
76	65	-0.68	0.16	1.56e-03	-0.31	0.0	-0.08	-4.29	0.18	0.08	-0.04	-0.68
		-5.70	-0.04	1.03e-04	0.0	56.7	-0.08	-4.44	0.18	0.08	0.06	-3.15
						113.4	-0.08	-4.59	0.18	0.08	0.16	-5.70
76	66	0.60	0.10	1.68e-03	-0.31	0.0	0.01	-3.22	-0.41	0.21	0.10	0.60
		-3.23	-0.37	2.97e-05	0.0	56.7	0.01	-3.37	-0.41	0.21	-0.13	-1.27
						113.4	0.01	-3.53	-0.41	0.21	-0.37	-3.23
76	70	0.60	0.09	1.68e-03	-0.31	0.0	0.01	-3.22	0.10	-0.31	-0.02	0.60
		-3.23	-0.02	5.45e-05	0.0	56.7	0.01	-3.37	0.10	-0.31	0.03	-1.27
						113.4	0.01	-3.53	0.10	-0.31	0.09	-3.23
76	71	-0.68	0.02	1.56e-03	-0.31	0.0	-0.08	-4.29	-0.10	0.31	0.02	-0.68
		-5.70	-0.09	-5.45e-05	0.0	56.7	-0.08	-4.44	-0.10	0.31	-0.03	-3.15
						113.4	-0.08	-4.59	-0.10	0.31	-0.09	-5.70
76	78	-0.11	0.0	6.90e-03	-0.31	0.0	-0.16	-16.20	0.0	0.0	0.0	-0.11
		-18.66	0.0	0.0	0.0	56.7	-0.16	-16.35	0.0	0.0	0.0	-9.34
						113.4	-0.16	-16.51	0.0	0.0	0.0	-18.66
76	81	13.25	0.0	-4.51e-03	-0.31	0.0	0.06	12.00	0.0	0.0	0.0	-0.18
		-0.18	0.0	0.0	0.0	56.7	0.06	11.84	0.0	0.0	0.0	6.58
						113.4	0.06	11.69	0.0	0.0	0.0	13.25
76	84	-0.05	0.0	2.68e-03	-0.31	0.0	-0.06	-6.24	0.0	0.0	0.0	-0.05
		-7.30	0.0	0.0	0.0	56.7	-0.06	-6.40	0.0	0.0	0.0	-3.63
						113.4	-0.06	-6.55	0.0	0.0	0.0	-7.30
76	85	-0.07	0.0	3.96e-04	-0.31	0.0	-0.02	-0.60	0.0	0.0	0.0	-0.07
		-0.92	0.0	0.0	0.0	56.7	-0.02	-0.76	0.0	0.0	0.0	-0.45

						113.4	-0.02	-0.91	0.0	0.0	0.0	-0.92
76	86	-0.03	0.0	1.80e-03	-0.31	0.0	-0.04	-4.22	0.0	0.0	0.0	-0.03
		-4.99	0.0	0.0	0.0	56.7	-0.04	-4.37	0.0	0.0	0.0	-2.47
						113.4	-0.04	-4.52	0.0	0.0	0.0	-4.99
76	87	-0.04	0.0	1.62e-03	-0.31	0.0	-0.04	-3.75	0.0	0.0	0.0	-0.04
		-4.47	0.0	0.0	0.0	56.7	-0.04	-3.91	0.0	0.0	0.0	-2.21
						113.4	-0.04	-4.06	0.0	0.0	0.0	-4.47
77	3	15.95	0.0	0.01	-0.40	0.0	-0.18	-14.01	0.0	0.0	0.0	15.95
		-0.17	0.0	0.0	0.0	56.7	-0.18	-14.21	0.0	0.0	0.0	7.95
						113.4	-0.18	-14.41	0.0	0.0	0.0	-0.17
77	10	-0.25	0.0	-8.48e-03	-0.31	0.0	0.09	11.59	0.0	0.0	0.0	-13.22
		-13.22	0.0	0.0	0.0	56.7	0.09	11.44	0.0	0.0	0.0	-6.69
						113.4	0.09	11.28	0.0	0.0	0.0	-0.25
77	12	18.24	0.0	0.01	-0.40	0.0	-0.20	-16.00	0.0	0.0	0.0	18.24
		-0.14	0.0	0.0	0.0	56.7	-0.20	-16.20	0.0	0.0	0.0	9.11
						113.4	-0.20	-16.40	0.0	0.0	0.0	-0.14
77	14	2.67	0.39	1.25e-03	-0.31	0.0	-8.74e-04	-1.63	0.44	-1.20	-0.11	2.67
		0.57	-0.11	8.06e-05	0.0	56.7	-8.74e-04	-1.78	0.44	-1.20	0.14	1.66
						113.4	-8.74e-04	-1.94	0.44	-1.20	0.39	0.57
77	15	2.44	0.11	2.33e-03	-0.31	0.0	-0.05	-2.64	-0.44	1.20	0.11	2.44
		-0.64	-0.39	-8.06e-05	0.0	56.7	-0.05	-2.79	-0.44	1.20	-0.14	0.94
						113.4	-0.05	-2.94	-0.44	1.20	-0.39	-0.64
77	30	2.94	0.33	-1.69e-04	-0.31	0.0	0.06	-0.45	0.37	-0.14	-0.09	2.94
		1.98	-0.09	-4.61e-05	0.0	56.7	0.06	-0.60	0.37	-0.14	0.12	2.50
						113.4	0.06	-0.76	0.37	-0.14	0.33	1.98
77	31	2.18	0.09	3.58e-03	-0.31	0.0	-0.11	-3.81	-0.37	0.14	0.09	2.18
		-2.05	-0.33	4.61e-05	0.0	56.7	-0.11	-3.97	-0.37	0.14	-0.12	0.11
						113.4	-0.11	-4.12	-0.37	0.14	-0.33	-2.05
77	34	2.94	0.29	-1.69e-04	-0.31	0.0	0.06	-0.45	0.32	0.46	-0.08	2.94
		1.98	-0.08	7.27e-05	0.0	56.7	0.06	-0.60	0.32	0.46	0.10	2.50
						113.4	0.06	-0.76	0.32	0.46	0.29	1.98
77	35	2.18	0.08	3.58e-03	-0.31	0.0	-0.11	-3.81	-0.32	-0.46	0.08	2.18
		-2.05	-0.29	-7.27e-05	0.0	56.7	-0.11	-3.97	-0.32	-0.46	-0.10	0.11
						113.4	-0.11	-4.12	-0.32	-0.46	-0.29	-2.05
77	49	2.52	0.17	1.95e-03	-0.31	0.0	-0.04	-2.29	0.19	-0.58	-0.05	2.52
		-0.23	-0.05	4.45e-05	0.0	56.7	-0.04	-2.45	0.19	-0.58	0.06	1.19
						113.4	-0.04	-2.60	0.19	-0.58	0.17	-0.23
77	52	2.59	0.05	1.62e-03	-0.31	0.0	-0.02	-1.97	-0.19	0.58	0.05	2.59
		0.16	-0.17	-4.45e-05	0.0	56.7	-0.02	-2.13	-0.19	0.58	-0.06	1.42
						113.4	-0.02	-2.28	-0.19	0.58	-0.17	0.16
77	67	2.44	0.03	2.33e-03	-0.31	0.0	-0.05	-2.66	-0.11	-0.17	0.03	2.44
		-0.68	-0.09	-4.72e-05	0.0	56.7	-0.05	-2.82	-0.11	-0.17	-0.03	0.93
						113.4	-0.05	-2.97	-0.11	-0.17	-0.09	-0.68
77	70	2.67	6.16e-03	1.24e-03	-0.31	0.0	3.23e-04	-1.60	-0.03	-0.24	6.16e-03	2.67
		0.60	-0.02	3.19e-05	0.0	56.7	3.23e-04	-1.76	-0.03	-0.24	-8.14e-03	1.68
						113.4	3.23e-04	-1.91	-0.03	-0.24	-0.02	0.60
77	71	2.44	0.02	2.33e-03	-0.31	0.0	-0.06	-2.66	0.03	0.24	-6.16e-03	2.44
		-0.68	-6.16e-03	-3.19e-05	0.0	56.7	-0.06	-2.82	0.03	0.24	8.14e-03	0.93
						113.4	-0.06	-2.97	0.03	0.24	0.02	-0.68
77	74	2.67	0.01	1.24e-03	-0.31	0.0	2.97e-04	-1.60	-0.05	0.05	0.01	2.67
		0.60	-0.04	8.13e-05	0.0	56.7	2.97e-04	-1.76	-0.05	0.05	-0.02	1.68
						113.4	2.97e-04	-1.91	-0.05	0.05	-0.04	0.60
77	78	10.81	0.0	7.61e-03	-0.31	0.0	-0.12	-9.48	0.0	0.0	0.0	10.81
		-0.11	0.0	0.0	0.0	56.7	-0.12	-9.63	0.0	0.0	0.0	5.39
						113.4	-0.12	-9.79	0.0	0.0	0.0	-0.11
77	81	-0.18	0.0	-4.94e-03	-0.31	0.0	0.05	6.87	0.0	0.0	0.0	-7.80
		-7.80	0.0	0.0	0.0	56.7	0.05	6.72	0.0	0.0	0.0	-3.94
						113.4	0.05	6.56	0.0	0.0	0.0	-0.18
77	84	4.21	0.0	2.95e-03	-0.31	0.0	-0.05	-3.60	0.0	0.0	0.0	4.21
		-0.05	0.0	0.0	0.0	56.7	-0.05	-3.76	0.0	0.0	0.0	2.12
						113.4	-0.05	-3.91	0.0	0.0	0.0	-0.05
77	85	0.49	0.0	4.41e-04	-0.31	0.0	-0.01	-0.33	0.0	0.0	0.0	0.49
		-0.07	0.0	0.0	0.0	56.7	-0.01	-0.49	0.0	0.0	0.0	0.25
						113.4	-0.01	-0.64	0.0	0.0	0.0	-0.07
77	87	2.56	0.0	1.79e-03	-0.31	0.0	-0.03	-2.13	0.0	0.0	0.0	2.56
		-0.04	0.0	0.0	0.0	56.7	-0.03	-2.29	0.0	0.0	0.0	1.30
						113.4	-0.03	-2.44	0.0	0.0	0.0	-0.04
78	3	20.83	0.0	3.83e-03	-0.40	0.0	-0.14	-4.10	1.62e-06	0.0	-1.45e-06	20.83
		15.95	-1.45e-06	0.0	0.0	56.7	-0.14	-4.30	1.62e-06	0.0	0.0	18.45
						113.4	-0.14	-4.50	1.62e-06	0.0	0.0	15.95
78	10	-13.22	0.0	-2.41e-03	-0.31	0.0	0.07	2.94	0.0	0.0	0.0	-16.38
		-16.38	0.0	0.0	0.0	56.7	0.07	2.78	0.0	0.0	0.0	-14.76
						113.4	0.07	2.63	0.0	0.0	0.0	-13.22
78	12	23.68	0.0	4.27e-03	-0.40	0.0	-0.15	-4.60	1.77e-06	0.0	-1.58e-06	23.68
		18.24	-1.58e-06	0.0	0.0	56.7	-0.15	-4.80	1.77e-06	0.0	0.0	21.02
						113.4	-0.15	-5.00	1.77e-06	0.0	0.0	18.24
78	14	2.79	0.03	2.09e-04	-0.31	0.0	-0.01	-0.03	-0.11	-0.45	0.03	2.79

		2.67	-0.10	1.00e-04	0.0	56.7	-0.01	-0.19	-0.11	-0.45	-0.04	2.77
						113.4	-0.01	-0.34	-0.11	-0.45	-0.10	2.67
78	15	3.83	0.10	9.72e-04	-0.31	0.0	-0.03	-0.99	0.11	0.45	-0.03	3.83
		2.44	-0.03	-1.00e-04	0.0	56.7	-0.03	-1.14	0.11	0.45	0.04	3.18
						113.4	-0.03	-1.30	0.11	0.45	0.10	2.44
78	30	2.94	0.02	-6.81e-04	-0.31	0.0	2.49e-03	1.08	-0.10	0.15	0.02	1.57
		1.57	-0.09	5.43e-05	0.0	56.7	2.49e-03	0.93	-0.10	0.15	-0.03	2.30
						113.4	2.49e-03	0.77	-0.10	0.15	-0.09	2.94
78	31	5.05	0.09	1.86e-03	-0.31	0.0	-0.04	-2.10	0.10	-0.15	-0.02	5.05
		2.18	-0.02	-5.43e-05	0.0	56.7	-0.04	-2.26	0.10	-0.15	0.03	3.66
						113.4	-0.04	-2.41	0.10	-0.15	0.09	2.18
78	33	5.05	0.05	1.86e-03	-0.31	0.0	-0.04	-2.10	0.05	-0.15	-0.01	5.05
		2.18	-0.01	1.21e-04	0.0	56.7	-0.04	-2.26	0.05	-0.15	0.02	3.66
						113.4	-0.04	-2.41	0.05	-0.15	0.05	2.18
78	36	2.93	0.01	-6.81e-04	-0.31	0.0	2.06e-03	1.08	-0.05	0.15	0.01	1.57
		1.57	-0.05	-1.21e-04	0.0	56.7	2.06e-03	0.93	-0.05	0.15	-0.02	2.30
						113.4	2.06e-03	0.77	-0.05	0.15	-0.05	2.93
78	46	3.15	0.01	4.70e-04	-0.31	0.0	-0.02	-0.36	-0.05	-0.24	0.01	3.15
		2.59	-0.04	4.54e-05	0.0	56.7	-0.02	-0.52	-0.05	-0.24	-0.02	2.91
						113.4	-0.02	-0.67	-0.05	-0.24	-0.04	2.59
78	47	3.47	0.04	7.11e-04	-0.31	0.0	-0.02	-0.66	0.05	0.24	-0.01	3.47
		2.52	-0.01	-4.54e-05	0.0	56.7	-0.02	-0.82	0.05	0.24	0.02	3.04
						113.4	-0.02	-0.97	0.05	0.24	0.04	2.52
78	65	3.86	0.01	9.93e-04	-0.31	0.0	-0.03	-1.01	0.01	-8.05e-03	-2.98e-03	3.86
		2.44	-2.98e-03	5.48e-05	0.0	56.7	-0.03	-1.17	0.01	-8.05e-03	3.92e-03	3.19
						113.4	-0.03	-1.32	0.01	-8.05e-03	0.01	2.44
78	70	2.78	5.77e-03	1.88e-04	-0.31	0.0	-0.01	-8.81e-03	6.51e-03	-0.16	-1.61e-03	2.77
		2.67	-1.61e-03	4.83e-06	0.0	56.7	-0.01	-0.16	6.51e-03	-0.16	2.08e-03	2.76
						113.4	-0.01	-0.32	6.51e-03	-0.16	5.77e-03	2.67
78	71	3.85	1.61e-03	9.93e-04	-0.31	0.0	-0.03	-1.01	-6.51e-03	0.16	1.61e-03	3.85
		2.44	-5.77e-03	-4.83e-06	0.0	56.7	-0.03	-1.17	-6.51e-03	0.16	-2.08e-03	3.19
						113.4	-0.03	-1.32	-6.51e-03	0.16	-5.77e-03	2.44
78	75	3.85	2.98e-03	9.93e-04	-0.31	0.0	-0.03	-1.01	-0.01	8.05e-03	2.98e-03	3.85
		2.44	-0.01	-5.48e-05	0.0	56.7	-0.03	-1.17	-0.01	8.05e-03	-3.92e-03	3.19
						113.4	-0.03	-1.32	-0.01	8.05e-03	-0.01	2.44
78	78	14.11	0.0	2.59e-03	-0.31	0.0	-0.10	-2.76	1.10e-06	0.0	0.0	14.11
		10.81	0.0	0.0	0.0	56.7	-0.10	-2.91	1.10e-06	0.0	0.0	12.50
						113.4	-0.10	-3.07	1.10e-06	0.0	0.0	10.81
78	81	-7.80	0.0	-1.37e-03	-0.31	0.0	0.04	1.74	0.0	0.0	0.0	-9.60
		-9.60	0.0	0.0	0.0	56.7	0.04	1.59	0.0	0.0	0.0	-8.65
						113.4	0.04	1.43	0.0	0.0	0.0	-7.80
78	84	5.47	0.0	9.91e-04	-0.31	0.0	-0.04	-0.96	0.0	0.0	0.0	5.47
		4.21	0.0	0.0	0.0	56.7	-0.04	-1.11	0.0	0.0	0.0	4.88
						113.4	-0.04	-1.27	0.0	0.0	0.0	4.21
78	85	0.73	0.0	1.98e-04	-0.31	0.0	-9.45e-03	-0.06	0.0	0.0	0.0	0.73
		0.49	0.0	0.0	0.0	56.7	-9.45e-03	-0.21	0.0	0.0	0.0	0.65
						113.4	-9.45e-03	-0.37	0.0	0.0	0.0	0.49
78	87	3.31	0.0	5.90e-04	-0.31	0.0	-0.02	-0.51	0.0	0.0	0.0	3.31
		2.56	0.0	0.0	0.0	56.7	-0.02	-0.67	0.0	0.0	0.0	2.98
						113.4	-0.02	-0.82	0.0	0.0	0.0	2.56
79	3	-17.25	0.0	4.18e-04	-0.11	0.0	-2.82	-23.54	0.0	0.0	0.0	-17.25
		-24.45	0.0	0.0	0.0	15.2	-2.82	-23.60	0.0	0.0	0.0	-20.85
						30.5	-2.82	-23.65	0.0	0.0	0.0	-24.45
79	10	23.09	0.0	-3.89e-04	-0.08	0.0	1.21	25.35	0.0	0.0	0.0	15.37
		15.37	0.0	0.0	0.0	15.2	1.21	25.31	0.0	0.0	0.0	19.23
						30.5	1.21	25.27	0.0	0.0	0.0	23.09
79	12	-19.90	0.0	4.85e-04	-0.11	0.0	-3.06	-27.82	0.0	0.0	0.0	-19.90
		-28.40	0.0	0.0	0.0	15.2	-3.06	-27.87	0.0	0.0	0.0	-24.14
						30.5	-3.06	-27.93	0.0	0.0	0.0	-28.40
79	14	-1.98	0.40	2.03e-04	-0.08	0.0	0.36	-3.78	1.43	-2.07	-0.59	-1.98
		-3.15	-0.59	-6.99e-05	0.0	15.2	0.36	-3.82	1.43	-2.07	-0.10	-2.56
						30.5	0.36	-3.86	1.43	-2.07	0.40	-3.15
79	15	-3.73	0.59	-6.31e-05	-0.08	0.0	-1.19	-4.31	-1.43	2.07	0.59	-3.73
		-5.06	-0.40	6.99e-05	0.0	15.2	-1.19	-4.35	-1.43	2.07	0.10	-4.39
						30.5	-1.19	-4.40	-1.43	2.07	-0.40	-5.06
79	34	0.07	0.12	5.13e-04	-0.08	0.0	2.16	-3.17	0.69	0.90	-0.26	0.07
		-0.92	-0.26	8.15e-05	0.0	15.2	2.16	-3.21	0.69	0.90	-0.07	-0.42
						30.5	2.16	-3.25	0.69	0.90	0.12	-0.92
79	35	-5.77	0.26	-3.73e-04	-0.08	0.0	-2.99	-4.92	-0.69	-0.90	0.26	-5.77
		-7.28	-0.12	-8.15e-05	0.0	15.2	-2.99	-4.96	-0.69	-0.90	0.07	-6.53
						30.5	-2.99	-5.01	-0.69	-0.90	-0.12	-7.28
79	46	-2.57	0.20	1.12e-04	-0.08	0.0	-0.17	-3.96	0.65	-0.96	-0.28	-2.57
		-3.80	-0.28	-3.19e-05	0.0	15.2	-0.17	-4.00	0.65	-0.96	-0.04	-3.18
						30.5	-0.17	-4.04	0.65	-0.96	0.20	-3.80
79	47	-3.13	0.28	3.48e-05	-0.08	0.0	-0.66	-4.13	-0.65	0.96	0.28	-3.13
		-4.40	-0.20	3.19e-05	0.0	15.2	-0.66	-4.17	-0.65	0.96	0.04	-3.76
						30.5	-0.66	-4.22	-0.65	0.96	-0.20	-4.40

79	66	-1.93	0.06	2.10e-04	-0.08	0.0	0.39	-3.77	0.27	0.33	-0.11	-1.93
		-3.09	-0.11	2.84e-05	0.0	15.2	0.39	-3.81	0.27	0.33	-0.02	-2.50
						30.5	0.39	-3.85	0.27	0.33	0.06	-3.09
79	67	-3.78	0.11	-7.04e-05	-0.08	0.0	-1.22	-4.33	-0.27	-0.33	0.11	-3.78
		-5.11	-0.06	-2.84e-05	0.0	15.2	-1.22	-4.37	-0.27	-0.33	0.02	-4.44
						30.5	-1.22	-4.41	-0.27	-0.33	-0.06	-5.11
79	74	-1.93	0.06	2.10e-04	-0.08	0.0	0.39	-3.77	0.03	0.07	-0.04	-1.93
		-3.09	-0.04	-4.37e-06	0.0	15.2	0.39	-3.81	0.03	0.07	0.01	-2.50
						30.5	0.39	-3.85	0.03	0.07	0.06	-3.09
79	75	-3.78	0.04	-7.04e-05	-0.08	0.0	-1.22	-4.33	-0.03	-0.07	0.04	-3.78
		-5.11	-0.06	4.37e-06	0.0	15.2	-1.22	-4.37	-0.03	-0.07	-0.01	-4.44
						30.5	-1.22	-4.41	-0.03	-0.07	-0.06	-5.11
79	78	-11.70	0.0	2.84e-04	-0.08	0.0	-1.91	-15.99	0.0	0.0	0.0	-11.70
		-16.59	0.0	0.0	0.0	15.2	-1.91	-16.04	0.0	0.0	0.0	-14.15
						30.5	-1.91	-16.08	0.0	0.0	0.0	-16.59
79	81	13.78	0.0	-2.32e-04	-0.08	0.0	0.64	15.31	0.0	0.0	0.0	9.12
		9.12	0.0	0.0	0.0	15.2	0.64	15.27	0.0	0.0	0.0	11.45
						30.5	0.64	15.23	0.0	0.0	0.0	13.78
79	84	-4.62	0.0	1.13e-04	-0.08	0.0	-0.71	-6.44	0.0	0.0	0.0	-4.62
		-6.60	0.0	0.0	0.0	15.2	-0.71	-6.48	0.0	0.0	0.0	-5.61
						30.5	-0.71	-6.52	0.0	0.0	0.0	-6.60
79	85	-0.46	0.0	9.51e-06	-0.08	0.0	-0.20	-0.18	0.0	0.0	0.0	-0.46
		-0.53	0.0	0.0	0.0	15.2	-0.20	-0.22	0.0	0.0	0.0	-0.49
						30.5	-0.20	-0.26	0.0	0.0	0.0	-0.53
79	87	-2.85	0.0	6.99e-05	-0.08	0.0	-0.41	-4.05	0.0	0.0	0.0	-2.85
		-4.10	0.0	0.0	0.0	15.2	-0.41	-4.09	0.0	0.0	0.0	-3.47
						30.5	-0.41	-4.13	0.0	0.0	0.0	-4.10
80	3	-26.02	0.0	-2.70e-04	-0.06	0.0	-2.82	-26.64	0.0	0.0	0.0	-26.02
		-30.69	0.0	0.0	0.0	8.8	-2.82	-26.67	0.0	0.0	0.0	-28.35
						17.5	-2.82	-26.70	0.0	0.0	0.0	-30.69
80	10	26.45	0.0	1.19e-04	-0.05	0.0	1.21	27.56	0.0	0.0	0.0	21.63
		21.63	0.0	0.0	0.0	8.8	1.21	27.53	0.0	0.0	0.0	24.04
						17.5	1.21	27.51	0.0	0.0	0.0	26.45
80	12	-29.77	0.0	-2.93e-04	-0.06	0.0	-3.06	-31.30	0.0	0.0	0.0	-29.77
		-35.26	0.0	0.0	0.0	8.8	-3.06	-31.33	0.0	0.0	0.0	-32.51
						17.5	-3.06	-31.37	0.0	0.0	0.0	-35.26
80	21	-5.01	-1.46	-8.21e-05	-0.05	0.0	-1.22	-4.83	1.13	1.84	-1.60	-5.01
		-5.86	-1.60	1.28e-05	0.0	8.8	-1.22	-4.86	1.13	1.84	-1.53	-5.43
						17.5	-1.22	-4.88	1.13	1.84	-1.46	-5.86
80	24	-3.46	1.60	7.78e-06	-0.05	0.0	0.39	-4.24	-1.13	-1.84	1.60	-3.46
		-4.21	1.46	-1.28e-05	0.0	8.8	0.39	-4.26	-1.13	-1.84	1.53	-3.84
						17.5	0.39	-4.28	-1.13	-1.84	1.46	-4.21
80	30	-1.66	1.14	1.03e-04	-0.05	0.0	2.27	-3.53	0.54	-0.27	0.70	-1.66
		-2.28	0.70	-1.57e-05	0.0	8.8	2.27	-3.55	0.54	-0.27	0.92	-1.97
						17.5	2.27	-3.58	0.54	-0.27	1.14	-2.28
80	34	-1.66	0.59	1.03e-04	-0.05	0.0	2.27	-3.53	0.63	0.89	0.51	-1.66
		-2.28	0.51	9.39e-06	0.0	8.8	2.27	-3.55	0.63	0.89	0.55	-1.97
						17.5	2.27	-3.58	0.63	0.89	0.59	-2.28
80	35	-6.81	-0.51	-1.82e-04	-0.05	0.0	-3.10	-5.54	-0.63	-0.89	-0.51	-6.81
		-7.78	-0.59	-9.39e-06	0.0	8.8	-3.10	-5.56	-0.63	-0.89	-0.55	-7.30
						17.5	-3.10	-5.59	-0.63	-0.89	-0.59	-7.78
80	58	-3.99	-0.64	-2.58e-05	-0.05	0.0	-0.16	-4.44	0.54	0.86	-0.71	-3.99
		-4.77	-0.71	5.01e-06	0.0	8.8	-0.16	-4.46	0.54	0.86	-0.67	-4.38
						17.5	-0.16	-4.49	0.54	0.86	-0.64	-4.77
80	59	-4.48	0.71	-5.30e-05	-0.05	0.0	-0.67	-4.63	-0.54	-0.86	0.71	-4.48
		-5.30	0.64	-5.01e-06	0.0	8.8	-0.67	-4.66	-0.54	-0.86	0.67	-4.89
						17.5	-0.67	-4.68	-0.54	-0.86	0.64	-5.30
80	62	-3.42	0.37	9.35e-06	-0.05	0.0	0.42	-4.22	0.21	-0.18	0.15	-3.42
		-4.16	0.15	-6.58e-06	0.0	8.8	0.42	-4.24	0.21	-0.18	0.26	-3.79
						17.5	0.42	-4.26	0.21	-0.18	0.37	-4.16
80	67	-5.06	-0.07	-8.48e-05	-0.05	0.0	-1.25	-4.85	-0.25	-0.34	-0.07	-5.06
		-5.91	-0.10	-4.00e-06	0.0	8.8	-1.25	-4.88	-0.25	-0.34	-0.09	-5.48
						17.5	-1.25	-4.90	-0.25	-0.34	-0.10	-5.91
80	74	-3.42	-0.44	9.35e-06	-0.05	0.0	0.42	-4.22	0.09	0.19	-0.45	-3.42
		-4.16	-0.45	0.0	0.0	8.8	0.42	-4.24	0.09	0.19	-0.44	-3.79
						17.5	0.42	-4.26	0.09	0.19	-0.44	-4.16
80	75	-5.06	0.45	-8.48e-05	-0.05	0.0	-1.25	-4.85	-0.09	-0.19	0.45	-5.06
		-5.91	0.44	0.0	0.0	8.8	-1.25	-4.88	-0.09	-0.19	0.44	-5.48
						17.5	-1.25	-4.90	-0.09	-0.19	0.44	-5.91
80	78	-17.64	0.0	-1.83e-04	-0.05	0.0	-1.91	-18.09	0.0	0.0	0.0	-17.64
		-20.81	0.0	0.0	0.0	8.8	-1.91	-18.11	0.0	0.0	0.0	-19.23
						17.5	-1.91	-18.14	0.0	0.0	0.0	-20.81
80	81	15.63	0.0	6.32e-05	-0.05	0.0	0.64	16.59	0.0	0.0	0.0	12.74
		12.74	0.0	0.0	0.0	8.8	0.64	16.56	0.0	0.0	0.0	14.19
						17.5	0.64	16.54	0.0	0.0	0.0	15.63
80	84	-6.92	0.0	-6.80e-05	-0.05	0.0	-0.71	-7.25	0.0	0.0	0.0	-6.92
		-8.19	0.0	0.0	0.0	8.8	-0.71	-7.27	0.0	0.0	0.0	-7.55

						17.5	-0.71	-7.29	0.0	0.0	0.0	-8.19
80	85	-0.84	0.0	-1.89e-05	-0.05	0.0	-0.20	-0.31	0.0	0.0	0.0	-0.84
		-0.90	0.0	0.0	0.0	8.8	-0.20	-0.33	0.0	0.0	0.0	-0.87
						17.5	-0.20	-0.36	0.0	0.0	0.0	-0.90
80	87	-4.24	0.0	-3.94e-05	-0.05	0.0	-0.41	-4.53	0.0	0.0	0.0	-4.24
		-5.03	0.0	0.0	0.0	8.8	-0.41	-4.56	0.0	0.0	0.0	-4.63
						17.5	-0.41	-4.58	0.0	0.0	0.0	-5.03
81	3	-3.13	3.30e-04	-7.08e-03	-0.23	0.0	-0.30	25.46	-5.67e-04	0.0	3.30e-04	-19.86
		-19.86	-4.45e-05	0.0	0.0	33.0	-0.30	25.35	-5.67e-04	0.0	1.43e-04	-11.48
						66.0	-0.30	25.23	-5.67e-04	0.0	-4.45e-05	-3.13
81	10	22.09	2.13e-05	4.30e-03	-0.18	0.0	0.14	-23.15	2.72e-04	0.0	-1.58e-04	22.09
		6.75	-1.58e-04	0.0	0.0	33.0	0.14	-23.24	2.72e-04	0.0	-6.84e-05	14.43
						66.0	0.14	-23.33	2.72e-04	0.0	2.13e-05	6.75
81	12	-4.22	3.59e-04	-7.85e-03	-0.23	0.0	-0.32	29.44	-6.18e-04	0.0	3.59e-04	-23.57
		-23.57	-4.85e-05	0.0	0.0	33.0	-0.32	29.32	-6.18e-04	0.0	1.56e-04	-13.88
						66.0	-0.32	29.20	-6.18e-04	0.0	-4.85e-05	-4.22
81	13	0.72	6.35e-03	-1.64e-03	-0.18	0.0	0.03	3.87	-0.01	-2.35	6.35e-03	-1.78
		-1.78	-2.83e-03	-3.18e-06	0.0	33.0	0.03	3.78	-0.01	-2.35	1.76e-03	-0.52
						66.0	0.03	3.69	-0.01	-2.35	-2.83e-03	0.72
81	16	-2.10	2.82e-03	-5.34e-04	-0.18	0.0	-0.12	4.57	0.01	2.35	-6.25e-03	-5.05
		-5.05	-6.25e-03	3.18e-06	0.0	33.0	-0.12	4.48	0.01	2.35	-1.71e-03	-3.56
						66.0	-0.12	4.39	0.01	2.35	2.82e-03	-2.10
81	30	-5.39	9.90e-04	7.50e-04	-0.18	0.0	-0.32	5.37	-5.31e-05	-0.33	9.90e-04	-8.86
		-8.86	8.88e-04	1.34e-04	0.0	33.0	-0.32	5.28	-5.31e-05	-0.33	9.39e-04	-7.11
						66.0	-0.32	5.19	-5.31e-05	-0.33	8.88e-04	-5.39
81	31	4.01	-8.92e-04	-2.92e-03	-0.18	0.0	0.23	3.07	-1.15e-04	0.33	-8.92e-04	2.03
		2.03	-9.01e-04	-1.34e-04	0.0	33.0	0.23	2.98	-1.15e-04	0.33	-8.96e-04	3.03
						66.0	0.23	2.89	-1.15e-04	0.33	-9.01e-04	4.01
81	32	-5.39	2.30e-03	7.50e-04	-0.18	0.0	-0.32	5.38	7.24e-03	1.02	-2.63e-03	-8.86
		-8.86	-2.63e-03	1.14e-04	0.0	33.0	-0.32	5.29	7.24e-03	1.02	-1.67e-04	-7.11
						66.0	-0.32	5.20	7.24e-03	1.02	2.30e-03	-5.39
81	33	4.01	1.99e-03	-2.92e-03	-0.18	0.0	0.23	3.06	-6.06e-03	0.19	1.99e-03	2.03
		2.03	-2.10e-03	-4.29e-05	0.0	33.0	0.23	2.97	-6.06e-03	0.19	-5.44e-05	3.03
						66.0	0.23	2.88	-6.06e-03	0.19	-2.10e-03	4.01
81	50	-1.14	3.00e-03	-9.12e-04	-0.18	0.0	-0.07	4.33	-6.30e-03	-1.04	3.00e-03	-3.93
		-3.93	-1.33e-03	4.19e-06	0.0	33.0	-0.07	4.24	-6.30e-03	-1.04	8.37e-04	-2.52
						66.0	-0.07	4.15	-6.30e-03	-1.04	-1.33e-03	-1.14
81	51	-0.25	1.31e-03	-1.26e-03	-0.18	0.0	-0.02	4.11	6.13e-03	1.04	-2.91e-03	-2.90
		-2.90	-2.91e-03	-4.19e-06	0.0	33.0	-0.02	4.02	6.13e-03	1.04	-7.95e-04	-1.56
						66.0	-0.02	3.93	6.13e-03	1.04	1.31e-03	-0.25
81	64	-2.17	8.17e-04	-5.09e-04	-0.18	0.0	-0.13	4.58	2.76e-03	0.41	-1.07e-03	-5.13
		-5.13	-1.07e-03	2.85e-05	0.0	33.0	-0.13	4.49	2.76e-03	0.41	-1.25e-04	-3.64
						66.0	-0.13	4.40	2.76e-03	0.41	8.17e-04	-2.17
81	65	0.79	8.69e-04	-1.66e-03	-0.18	0.0	0.04	3.86	-2.39e-03	0.13	8.69e-04	-1.70
		-1.70	-7.42e-04	0.0	0.0	33.0	0.04	3.77	-2.39e-03	0.13	6.35e-05	-0.44
						66.0	0.04	3.68	-2.39e-03	0.13	-7.42e-04	0.79
81	70	-2.17	1.29e-03	-5.09e-04	-0.18	0.0	-0.13	4.58	-3.11e-03	-0.41	1.29e-03	-5.13
		-5.13	-8.27e-04	-2.85e-05	0.0	33.0	-0.13	4.49	-3.11e-03	-0.41	2.31e-04	-3.64
						66.0	-0.13	4.40	-3.11e-03	-0.41	-8.27e-04	-2.17
81	71	0.79	8.14e-04	-1.66e-03	-0.18	0.0	0.04	3.86	2.94e-03	0.41	-1.19e-03	-1.70
		-1.70	-1.19e-03	2.85e-05	0.0	33.0	0.04	3.77	2.94e-03	0.41	-1.89e-04	-0.44
						66.0	0.04	3.68	2.94e-03	0.41	8.14e-04	0.79
81	78	-2.15	2.23e-04	-4.79e-03	-0.18	0.0	-0.20	17.28	-3.83e-04	0.0	2.23e-04	-13.49
		-13.49	-3.00e-05	0.0	0.0	33.0	-0.20	17.19	-3.83e-04	0.0	9.64e-05	-7.81
						66.0	-0.20	17.10	-3.83e-04	0.0	-3.00e-05	-2.15
81	81	13.38	1.15e-05	2.43e-03	-0.18	0.0	0.08	-13.77	1.47e-04	0.0	-8.56e-05	13.38
		4.24	-8.56e-05	0.0	0.0	33.0	0.08	-13.86	1.47e-04	0.0	-3.70e-05	8.83
						66.0	0.08	-13.95	1.47e-04	0.0	1.15e-05	4.24
81	84	-0.98	8.38e-05	-1.83e-03	-0.18	0.0	-0.08	6.83	-1.44e-04	0.0	8.38e-05	-5.43
		-5.43	-1.13e-05	0.0	0.0	33.0	-0.08	6.74	-1.44e-04	0.0	3.62e-05	-3.19
						66.0	-0.08	6.65	-1.44e-04	0.0	-1.13e-05	-0.98
81	85	0.30	2.21e-05	-3.82e-04	-0.18	0.0	-0.02	0.62	-3.79e-05	0.0	2.21e-05	-0.06
		-0.06	-2.97e-06	0.0	0.0	33.0	-0.02	0.53	-3.79e-05	0.0	9.54e-06	0.13
						66.0	-0.02	0.44	-3.79e-05	0.0	-2.97e-06	0.30
81	87	-0.69	4.90e-05	-1.09e-03	-0.18	0.0	-0.04	4.22	-8.42e-05	0.0	4.90e-05	-3.42
		-3.42	-6.60e-06	0.0	0.0	33.0	-0.04	4.13	-8.42e-05	0.0	2.12e-05	-2.04
						66.0	-0.04	4.04	-8.42e-05	0.0	-6.60e-06	-0.69
82	3	14.47	5.90e-06	-0.01	-0.40	0.0	-0.15	15.72	4.11e-05	0.0	-4.07e-05	-3.13
		-3.13	-4.07e-05	0.0	0.0	56.7	-0.15	15.52	4.11e-05	0.0	-1.74e-05	5.72
						113.4	-0.15	15.32	4.11e-05	0.0	5.90e-06	14.47
82	10	6.75	1.95e-05	9.53e-03	-0.31	0.0	0.07	-14.37	-1.97e-05	0.0	1.95e-05	6.75
		-9.72	-2.83e-06	0.0	0.0	56.7	0.07	-14.52	-1.97e-05	0.0	8.35e-06	-1.44
						113.4	0.07	-14.68	-1.97e-05	0.0	-2.83e-06	-9.72
82	12	16.19	6.43e-06	-0.01	-0.40	0.0	-0.17	18.20	4.48e-05	0.0	-4.44e-05	-4.22
		-4.22	-4.44e-05	0.0	0.0	56.7	-0.17	18.00	4.48e-05	0.0	-1.90e-05	6.04
						113.4	-0.17	17.80	4.48e-05	0.0	6.43e-06	16.19
82	14	1.23	-1.73e-03	-1.64e-03	-0.31	0.0	-0.06	3.10	4.17e-03	-1.55	-1.73e-03	-2.10

		-2.10	-6.67e-03	1.23e-04	0.0	56.7	-0.06	2.95	4.17e-03	-1.55	-4.20e-03	-0.39
						113.4	-0.06	2.80	4.17e-03	-1.55	-6.67e-03	1.23
82	15	3.22	6.67e-03	-2.41e-03	-0.31	0.0	0.01	2.35	-4.16e-03	1.55	1.71e-03	0.72
		0.72	1.71e-03	-1.23e-04	0.0	56.7	0.01	2.20	-4.16e-03	1.55	4.19e-03	2.02
						113.4	0.01	2.04	-4.16e-03	1.55	6.67e-03	3.22
82	30	-1.09	9.58e-04	-7.29e-04	-0.31	0.0	-0.12	3.98	-3.42e-03	-0.13	9.58e-04	-5.39
		-5.39	-5.83e-03	2.03e-04	0.0	56.7	-0.12	3.83	-3.42e-03	-0.13	-2.44e-03	-3.20
						113.4	-0.12	3.67	-3.42e-03	-0.13	-5.83e-03	-1.09
82	31	5.55	5.83e-03	-3.32e-03	-0.31	0.0	0.08	1.48	3.43e-03	0.13	-9.70e-04	4.01
		4.01	-9.70e-04	-2.03e-04	0.0	56.7	0.08	1.32	3.43e-03	0.13	2.43e-03	4.82
						113.4	0.08	1.17	3.43e-03	0.13	5.83e-03	5.55
82	33	5.55	3.32e-03	-3.32e-03	-0.31	0.0	0.08	1.48	6.22e-03	0.06	-2.10e-03	4.01
		4.01	-2.10e-03	-4.10e-05	0.0	56.7	0.08	1.32	6.22e-03	0.06	6.05e-04	4.82
						113.4	0.08	1.17	6.22e-03	0.06	3.32e-03	5.55
82	36	-1.09	2.09e-03	-7.29e-04	-0.31	0.0	-0.12	3.98	-6.21e-03	-0.06	2.09e-03	-5.39
		-5.39	-3.31e-03	4.10e-05	0.0	56.7	-0.12	3.83	-6.21e-03	-0.06	-6.11e-04	-3.20
						113.4	-0.12	3.67	-6.21e-03	-0.06	-3.31e-03	-1.09
82	46	1.92	-9.82e-04	-1.90e-03	-0.31	0.0	-0.03	2.85	2.39e-03	-0.73	-9.82e-04	-1.14
		-1.14	-2.95e-03	4.36e-05	0.0	56.7	-0.03	2.69	2.39e-03	-0.73	-1.96e-03	0.43
						113.4	-0.03	2.54	2.39e-03	-0.73	-2.95e-03	1.92
82	47	2.54	2.95e-03	-2.15e-03	-0.31	0.0	-0.01	2.61	-2.37e-03	0.73	9.70e-04	-0.25
		-0.25	9.70e-04	-4.36e-05	0.0	56.7	-0.01	2.46	-2.37e-03	0.73	1.96e-03	1.19
						113.4	-0.01	2.30	-2.37e-03	0.73	2.95e-03	2.54
82	65	3.27	7.60e-04	-2.43e-03	-0.31	0.0	8.24e-03	2.33	2.06e-03	0.08	-7.36e-04	0.79
		0.79	-7.36e-04	1.19e-05	0.0	56.7	8.24e-03	2.18	2.06e-03	0.08	1.23e-05	2.08
						113.4	8.24e-03	2.03	2.06e-03	0.08	7.60e-04	3.27
82	68	1.18	7.24e-04	-1.62e-03	-0.31	0.0	-0.05	3.12	-2.05e-03	-0.08	7.24e-04	-2.17
		-2.17	-7.59e-04	-1.19e-05	0.0	56.7	-0.05	2.97	-2.05e-03	-0.08	-1.74e-05	-0.45
						113.4	-0.05	2.81	-2.05e-03	-0.08	-7.59e-04	1.18
82	70	1.18	4.38e-04	-1.62e-03	-0.31	0.0	-0.06	3.12	2.34e-03	-0.33	-8.14e-04	-2.17
		-2.17	-8.14e-04	-3.86e-05	0.0	56.7	-0.06	2.97	2.34e-03	-0.33	-1.88e-04	-0.45
						113.4	-0.06	2.81	2.34e-03	-0.33	4.38e-04	1.18
82	71	3.27	8.02e-04	-2.43e-03	-0.31	0.0	9.29e-03	2.33	-2.33e-03	0.33	8.02e-04	0.79
		0.79	-4.36e-04	3.86e-05	0.0	56.7	9.29e-03	2.18	-2.33e-03	0.33	1.83e-04	2.07
						113.4	9.29e-03	2.03	-2.33e-03	0.33	-4.36e-04	3.27
82	78	9.79	3.99e-06	-8.65e-03	-0.31	0.0	-0.10	10.68	2.78e-05	0.0	-2.75e-05	-2.15
		-2.15	-2.75e-05	0.0	0.0	56.7	-0.10	10.53	2.78e-05	0.0	-1.18e-05	3.86
						113.4	-0.10	10.38	2.78e-05	0.0	3.99e-06	9.79
82	81	4.24	1.06e-05	5.55e-03	-0.31	0.0	0.04	-8.51	-1.07e-05	0.0	1.06e-05	4.24
		-5.59	-1.53e-06	0.0	0.0	56.7	0.04	-8.66	-1.07e-05	0.0	4.52e-06	-0.63
						113.4	0.04	-8.82	-1.07e-05	0.0	-1.53e-06	-5.59
82	84	3.74	1.50e-06	-3.35e-03	-0.31	0.0	-0.04	4.32	1.04e-05	0.0	-1.03e-05	-0.98
		-0.98	-1.03e-05	0.0	0.0	56.7	-0.04	4.17	1.04e-05	0.0	-4.42e-06	1.42
						113.4	-0.04	4.01	1.04e-05	0.0	1.50e-06	3.74
82	85	0.67	0.0	-5.11e-04	-0.31	0.0	-0.01	0.48	2.75e-06	0.0	-2.73e-06	0.30
		0.30	-2.73e-06	0.0	0.0	56.7	-0.01	0.33	2.75e-06	0.0	-1.17e-06	0.52
						113.4	-0.01	0.17	2.75e-06	0.0	0.0	0.67
82	87	2.23	0.0	-2.03e-03	-0.31	0.0	-0.02	2.73	6.11e-06	0.0	-6.05e-06	-0.69
		-0.69	-6.05e-06	0.0	0.0	56.7	-0.02	2.57	6.11e-06	0.0	-2.59e-06	0.81
						113.4	-0.02	2.42	6.11e-06	0.0	0.0	2.23
83	3	20.83	5.54e-06	-6.13e-03	-0.40	0.0	-0.13	5.81	-6.25e-06	0.0	5.54e-06	14.47
		14.47	-1.55e-06	0.0	0.0	56.7	-0.13	5.61	-6.25e-06	0.0	2.00e-06	17.70
						113.4	-0.13	5.41	-6.25e-06	0.0	-1.55e-06	20.83
83	10	-9.72	0.0	5.31e-03	-0.31	0.0	0.06	-5.72	3.00e-06	0.0	-2.66e-06	-9.72
		-16.38	-2.66e-06	0.0	0.0	56.7	0.06	-5.87	3.00e-06	0.0	0.0	-13.01
						113.4	0.06	-6.02	3.00e-06	0.0	0.0	-16.38
83	12	23.68	6.04e-06	-7.05e-03	-0.40	0.0	-0.14	6.80	-6.81e-06	0.0	6.04e-06	16.19
		16.19	-1.68e-06	0.0	0.0	56.7	-0.14	6.60	-6.81e-06	0.0	2.18e-06	19.99
						113.4	-0.14	6.40	-6.81e-06	0.0	-1.68e-06	23.68
83	14	2.79	0.03	-1.12e-03	-0.31	0.0	-0.03	1.54	0.03	-0.72	-7.11e-03	1.23
		1.23	-7.11e-03	1.16e-04	0.0	56.7	-0.03	1.38	0.03	-0.72	9.43e-03	2.06
						113.4	-0.03	1.23	0.03	-0.72	0.03	2.79
83	15	3.83	7.11e-03	-8.80e-04	-0.31	0.0	-9.80e-03	0.68	-0.03	0.72	7.11e-03	3.22
		3.22	-0.03	-1.16e-04	0.0	56.7	-9.80e-03	0.53	-0.03	0.72	-9.43e-03	3.57
						113.4	-9.80e-03	0.37	-0.03	0.72	-0.03	3.83
83	29	5.55	2.74e-03	-7.05e-04	-0.31	0.0	0.02	-0.32	-0.01	-0.60	2.74e-03	5.55
		5.05	-9.37e-03	-9.70e-05	0.0	56.7	0.02	-0.48	-0.01	-0.60	-3.31e-03	5.34
						113.4	0.02	-0.63	-0.01	-0.60	-9.37e-03	5.05
83	32	1.57	9.37e-03	-1.41e-03	-0.31	0.0	-0.05	2.54	0.01	0.60	-2.74e-03	-1.09
		-1.09	-2.74e-03	9.70e-05	0.0	56.7	-0.05	2.38	0.01	0.60	3.31e-03	0.28
						113.4	-0.05	2.23	0.01	0.60	9.37e-03	1.57
83	33	5.55	3.52e-03	-7.05e-04	-0.31	0.0	0.02	-0.32	-0.01	-0.09	3.52e-03	5.55
		5.05	-0.01	2.40e-05	0.0	56.7	0.02	-0.48	-0.01	-0.09	-4.40e-03	5.34
						113.4	0.02	-0.63	-0.01	-0.09	-0.01	5.05
83	36	1.57	0.01	-1.41e-03	-0.31	0.0	-0.05	2.54	0.01	0.09	-3.52e-03	-1.09
		-1.09	-3.52e-03	-2.40e-05	0.0	56.7	-0.05	2.39	0.01	0.09	4.40e-03	0.28
						113.4	-0.05	2.23	0.01	0.09	0.01	1.57

83	46	3.15	0.01	-1.04e-03	-0.31	0.0	-0.02	1.24	0.01	-0.35	-3.14e-03	1.92
		1.92	-3.14e-03	4.56e-05	0.0	56.7	-0.02	1.09	0.01	-0.35	4.14e-03	2.58
						113.4	-0.02	0.93	0.01	-0.35	0.01	3.15
83	47	3.47	3.14e-03	-9.62e-04	-0.31	0.0	-0.02	0.97	-0.01	0.35	3.14e-03	2.54
		2.54	-0.01	-4.56e-05	0.0	56.7	-0.02	0.82	-0.01	0.35	-4.14e-03	3.05
						113.4	-0.02	0.67	-0.01	0.35	-0.01	3.47
83	61	3.86	4.68e-04	-8.72e-04	-0.31	0.0	-8.49e-03	0.66	-1.75e-03	-0.21	4.68e-04	3.27
		3.27	-1.52e-03	-2.01e-05	0.0	56.7	-8.49e-03	0.50	-1.75e-03	-0.21	-5.25e-04	3.61
						113.4	-8.49e-03	0.35	-1.75e-03	-0.21	-1.52e-03	3.86
83	64	2.77	1.52e-03	-1.13e-03	-0.31	0.0	-0.03	1.56	1.75e-03	0.21	-4.66e-04	1.18
		1.18	-4.66e-04	2.01e-05	0.0	56.7	-0.03	1.41	1.75e-03	0.21	5.26e-04	2.02
						113.4	-0.03	1.25	1.75e-03	0.21	1.52e-03	2.77
83	65	3.86	8.08e-04	-8.72e-04	-0.31	0.0	-8.53e-03	0.66	-3.18e-03	0.02	8.08e-04	3.27
		3.27	-2.80e-03	3.02e-05	0.0	56.7	-8.53e-03	0.50	-3.18e-03	0.02	-9.97e-04	3.61
						113.4	-8.53e-03	0.35	-3.18e-03	0.02	-2.80e-03	3.86
83	68	2.77	2.80e-03	-1.13e-03	-0.31	0.0	-0.03	1.56	3.18e-03	-0.02	-8.07e-04	1.18
		1.18	-8.07e-04	-3.02e-05	0.0	56.7	-0.03	1.41	3.18e-03	-0.02	9.97e-04	2.02
						113.4	-0.03	1.25	3.18e-03	-0.02	2.80e-03	2.77
83	78	14.11	3.74e-06	-4.16e-03	-0.31	0.0	-0.09	3.96	-4.22e-06	0.0	3.74e-06	9.79
		9.79	-1.04e-06	0.0	0.0	56.7	-0.09	3.81	-4.22e-06	0.0	1.35e-06	11.99
						113.4	-0.09	3.65	-4.22e-06	0.0	-1.04e-06	14.11
83	81	-5.59	0.0	3.14e-03	-0.31	0.0	0.03	-3.38	1.62e-06	0.0	-1.44e-06	-5.59
		-9.60	-1.44e-06	0.0	0.0	56.7	0.03	-3.54	1.62e-06	0.0	0.0	-7.55
						113.4	0.03	-3.69	1.62e-06	0.0	0.0	-9.60
83	84	5.47	1.41e-06	-1.63e-03	-0.31	0.0	-0.03	1.68	-1.59e-06	0.0	1.41e-06	3.74
		3.74	0.0	0.0	0.0	56.7	-0.03	1.53	-1.59e-06	0.0	0.0	4.65
						113.4	-0.03	1.37	-1.59e-06	0.0	0.0	5.47
83	85	0.75	0.0	-1.74e-04	-0.31	0.0	-8.83e-03	0.21	0.0	0.0	0.0	0.67
		0.67	0.0	0.0	0.0	56.7	-8.83e-03	0.06	0.0	0.0	0.0	0.74
						113.4	-8.83e-03	-0.10	0.0	0.0	0.0	0.73
83	87	3.31	0.0	-1.00e-03	-0.31	0.0	-0.02	1.11	0.0	0.0	0.0	2.23
		2.23	0.0	0.0	0.0	56.7	-0.02	0.95	0.0	0.0	0.0	2.81
						113.4	-0.02	0.80	0.0	0.0	0.0	3.31
84	3	11.20	0.0	-5.97e-03	-0.40	0.0	-0.14	11.66	0.0	0.0	0.0	-1.79
		-1.79	0.0	0.0	0.0	56.7	-0.14	11.46	0.0	0.0	0.0	4.76
						113.4	-0.14	11.26	0.0	0.0	0.0	11.20
84	10	0.75	0.0	5.29e-03	-0.31	0.0	0.06	-9.60	0.0	0.0	0.0	0.75
		-10.32	0.0	0.0	0.0	56.7	0.06	-9.76	0.0	0.0	0.0	-4.74
						113.4	0.06	-9.91	0.0	0.0	0.0	-10.32
84	12	12.97	0.0	-6.88e-03	-0.40	0.0	-0.15	13.34	0.0	0.0	0.0	-1.94
		-1.94	0.0	0.0	0.0	56.7	-0.15	13.14	0.0	0.0	0.0	5.57
						113.4	-0.15	12.94	0.0	0.0	0.0	12.97
84	14	1.70	0.39	-9.72e-04	-0.31	0.0	-0.04	2.33	-0.43	-1.18	0.39	-0.72
		-0.72	-0.10	-1.91e-04	0.0	56.7	-0.04	2.17	-0.43	-1.18	0.14	0.53
						113.4	-0.04	2.02	-0.43	-1.18	-0.10	1.70
84	15	1.95	0.10	-9.88e-04	-0.31	0.0	1.94e-03	1.71	0.43	1.18	-0.39	0.15
		0.15	-0.39	1.91e-04	0.0	56.7	1.94e-03	1.56	0.43	1.18	-0.14	1.10
						113.4	1.94e-03	1.40	0.43	1.18	0.10	1.95
84	29	2.24	0.03	-1.01e-03	-0.31	0.0	0.05	1.00	0.14	-0.47	-0.12	1.17
		1.17	-0.12	-2.52e-04	0.0	56.7	0.05	0.84	0.14	-0.47	-0.05	1.75
						113.4	0.05	0.69	0.14	-0.47	0.03	2.24
84	32	1.42	0.12	-9.52e-04	-0.31	0.0	-0.09	3.04	-0.14	0.47	0.12	-1.74
		-1.74	-0.03	2.52e-04	0.0	56.7	-0.09	2.89	-0.14	0.47	0.05	-0.12
						113.4	-0.09	2.73	-0.14	0.47	-0.03	1.42
84	34	1.42	0.27	-9.52e-04	-0.31	0.0	-0.09	3.04	-0.30	0.49	0.27	-1.74
		-1.74	-0.07	3.01e-04	0.0	56.7	-0.09	2.89	-0.30	0.49	0.10	-0.12
						113.4	-0.09	2.73	-0.30	0.49	-0.07	1.42
84	35	2.24	0.07	-1.01e-03	-0.31	0.0	0.05	1.00	0.30	-0.49	-0.27	1.17
		1.17	-0.27	-3.01e-04	0.0	56.7	0.05	0.84	0.30	-0.49	-0.10	1.75
						113.4	0.05	0.69	0.30	-0.49	0.07	2.24
84	49	1.87	0.17	-9.81e-04	-0.31	0.0	-0.01	1.92	-0.19	-0.57	0.17	-0.15
		-0.15	-0.04	-8.81e-05	0.0	56.7	-0.01	1.77	-0.19	-0.57	0.06	0.90
						113.4	-0.01	1.61	-0.19	-0.57	-0.04	1.87
84	52	1.79	0.04	-9.79e-04	-0.31	0.0	-0.03	2.12	0.19	0.57	-0.17	-0.42
		-0.42	-0.17	8.81e-05	0.0	56.7	-0.03	1.96	0.19	0.57	-0.06	0.73
						113.4	-0.03	1.81	0.19	0.57	0.04	1.79
84	61	1.96	4.79e-03	-9.83e-04	-0.31	0.0	2.84e-03	1.69	0.02	-0.21	-0.02	0.18
		0.18	-0.02	-8.65e-05	0.0	56.7	2.84e-03	1.54	0.02	-0.21	-6.07e-03	1.11
						113.4	2.84e-03	1.38	0.02	-0.21	4.79e-03	1.96
84	64	1.70	0.02	-9.77e-04	-0.31	0.0	-0.04	2.34	-0.02	0.21	0.02	-0.75
		-0.75	-4.79e-03	8.65e-05	0.0	56.7	-0.04	2.19	-0.02	0.21	6.07e-03	0.52
						113.4	-0.04	2.03	-0.02	0.21	-4.79e-03	1.70
84	74	1.70	9.48e-03	-9.77e-04	-0.31	0.0	-0.04	2.34	0.04	0.14	-0.04	-0.75
		-0.75	-0.04	-3.27e-06	0.0	56.7	-0.04	2.19	0.04	0.14	-0.01	0.52
						113.4	-0.04	2.03	0.04	0.14	9.48e-03	1.70
84	75	1.96	0.04	-9.83e-04	-0.31	0.0	2.84e-03	1.69	-0.04	-0.14	0.04	0.18
		0.18	-9.48e-03	3.27e-06	0.0	56.7	2.84e-03	1.54	-0.04	-0.14	0.01	1.11

						113.4	2.84e-03	1.38	-0.04	-0.14	-9.48e-03	1.96
84	78	7.60	0.0	-4.05e-03	-0.31	0.0	-0.09	7.92	0.0	0.0	0.0	-1.21
		-1.21	0.0	0.0	0.0	56.7	-0.09	7.77	0.0	0.0	0.0	3.24
						113.4	-0.09	7.61	0.0	0.0	0.0	7.60
84	81	0.38	0.0	3.14e-03	-0.31	0.0	0.03	-5.61	0.0	0.0	0.0	0.38
		-6.15	0.0	0.0	0.0	56.7	0.03	-5.76	0.0	0.0	0.0	-2.84
						113.4	0.03	-5.92	0.0	0.0	0.0	-6.15
84	84	2.98	0.0	-1.59e-03	-0.31	0.0	-0.03	3.20	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	56.7	-0.03	3.04	0.0	0.0	0.0	1.30
						113.4	-0.03	2.89	0.0	0.0	0.0	2.98
84	85	0.23	0.0	-1.56e-04	-0.31	0.0	-0.01	0.49	0.0	0.0	0.0	-0.15
		-0.15	0.0	0.0	0.0	56.7	-0.01	0.34	0.0	0.0	0.0	0.08
						113.4	-0.01	0.18	0.0	0.0	0.0	0.23
84	87	1.83	0.0	-9.80e-04	-0.31	0.0	-0.02	2.02	0.0	0.0	0.0	-0.29
		-0.29	0.0	0.0	0.0	56.7	-0.02	1.86	0.0	0.0	0.0	0.82
						113.4	-0.02	1.71	0.0	0.0	0.0	1.83
85	3	12.96	0.0	-1.41e-03	-0.40	0.0	-0.12	1.75	0.0	0.0	0.0	11.20
		11.20	0.0	0.0	0.0	56.7	-0.12	1.55	0.0	0.0	0.0	12.14
						113.4	-0.12	1.35	0.0	0.0	0.0	12.96
85	10	-10.32	0.0	1.14e-03	-0.31	0.0	0.05	-0.95	0.0	0.0	0.0	-10.32
		-11.57	0.0	0.0	0.0	56.7	0.05	-1.10	0.0	0.0	0.0	-10.90
						113.4	0.05	-1.26	0.0	0.0	0.0	-11.57
85	12	14.94	0.0	-1.61e-03	-0.40	0.0	-0.13	1.94	0.0	0.0	0.0	12.97
		12.97	0.0	0.0	0.0	56.7	-0.13	1.74	0.0	0.0	0.0	14.01
						113.4	-0.13	1.54	0.0	0.0	0.0	14.94
85	14	2.37	-0.03	-6.09e-04	-0.31	0.0	-0.02	0.70	0.09	-0.30	-0.09	1.70
		1.70	-0.09	-1.89e-04	0.0	56.7	-0.02	0.55	0.09	-0.30	-0.06	2.08
						113.4	-0.02	0.39	0.09	-0.30	-0.03	2.37
85	15	1.96	0.09	2.78e-04	-0.31	0.0	-0.02	0.10	-0.09	0.30	0.09	1.95
		1.84	0.03	1.89e-04	0.0	56.7	-0.02	-0.06	-0.09	0.30	0.06	1.94
						113.4	-0.02	-0.21	-0.09	0.30	0.03	1.84
85	33	2.24	0.04	1.31e-03	-0.31	0.0	-0.01	-0.61	-0.07	-0.07	0.04	2.24
		1.21	5.28e-04	-5.52e-05	0.0	56.7	-0.01	-0.76	-0.07	-0.07	0.02	1.77
						113.4	-0.01	-0.92	-0.07	-0.07	5.28e-04	1.21
85	36	3.00	-5.28e-04	-1.64e-03	-0.31	0.0	-0.02	1.40	0.07	0.07	-0.04	1.42
		1.42	-0.04	5.52e-05	0.0	56.7	-0.02	1.25	0.07	0.07	-0.02	2.25
						113.4	-0.02	1.10	0.07	0.07	-5.28e-04	3.00
85	49	2.02	-0.01	-1.44e-04	-0.31	0.0	-0.02	0.30	0.04	-0.15	-0.04	1.87
		1.87	-0.04	-8.72e-05	0.0	56.7	-0.02	0.15	0.04	-0.15	-0.03	1.99
						113.4	-0.02	-6.61e-03	0.04	-0.15	-0.01	2.02
85	52	2.19	0.04	-3.29e-04	-0.31	0.0	-0.02	0.49	-0.04	0.15	0.04	1.79
		1.79	0.01	8.72e-05	0.0	56.7	-0.02	0.34	-0.04	0.15	0.03	2.03
						113.4	-0.02	0.19	-0.04	0.15	0.01	2.19
85	65	1.96	8.81e-03	2.91e-04	-0.31	0.0	-0.02	0.08	-0.02	1.59e-03	8.81e-03	1.96
		1.82	-2.05e-03	-2.57e-06	0.0	56.7	-0.02	-0.08	-0.02	1.59e-03	3.38e-03	1.93
						113.4	-0.02	-0.23	-0.02	1.59e-03	-2.05e-03	1.82
85	68	2.39	2.05e-03	-6.22e-04	-0.31	0.0	-0.02	0.72	0.02	-1.59e-03	-8.81e-03	1.70
		1.70	-8.81e-03	2.57e-06	0.0	56.7	-0.02	0.56	0.02	-1.59e-03	-3.38e-03	2.09
						113.4	-0.02	0.41	0.02	-1.59e-03	2.05e-03	2.39
85	74	2.39	8.81e-03	-6.23e-04	-0.31	0.0	-0.02	0.72	-0.02	1.59e-03	8.81e-03	1.70
		1.70	-2.05e-03	-2.57e-06	0.0	56.7	-0.02	0.56	-0.02	1.59e-03	3.38e-03	2.09
						113.4	-0.02	0.41	-0.02	1.59e-03	-2.05e-03	2.39
85	78	8.78	0.0	-9.57e-04	-0.31	0.0	-0.08	1.20	0.0	0.0	0.0	7.60
		7.60	0.0	0.0	0.0	56.7	-0.08	1.05	0.0	0.0	0.0	8.23
						113.4	-0.08	0.89	0.0	0.0	0.0	8.78
85	81	-6.15	0.0	6.72e-04	-0.31	0.0	0.03	-0.48	0.0	0.0	0.0	-6.15
		-6.88	0.0	0.0	0.0	56.7	0.03	-0.64	0.0	0.0	0.0	-6.47
						113.4	0.03	-0.79	0.0	0.0	0.0	-6.88
85	84	3.44	0.0	-3.74e-04	-0.31	0.0	-0.03	0.56	0.0	0.0	0.0	2.98
		2.98	0.0	0.0	0.0	56.7	-0.03	0.40	0.0	0.0	0.0	3.26
						113.4	-0.03	0.25	0.0	0.0	0.0	3.44
85	85	0.32	0.0	-4.95e-05	-0.31	0.0	-8.82e-03	0.22	0.0	0.0	0.0	0.23
		0.23	0.0	0.0	0.0	56.7	-8.82e-03	0.07	0.0	0.0	0.0	0.31
						113.4	-8.82e-03	-0.09	0.0	0.0	0.0	0.31
85	87	2.11	0.0	-2.28e-04	-0.31	0.0	-0.02	0.40	0.0	0.0	0.0	1.83
		1.83	0.0	0.0	0.0	56.7	-0.02	0.24	0.0	0.0	0.0	2.01
						113.4	-0.02	0.09	0.0	0.0	0.0	2.11
86	3	12.96	0.0	4.79e-03	-0.40	0.0	-0.14	-8.16	0.0	0.0	0.0	12.96
		3.47	0.0	0.0	0.0	56.7	-0.14	-8.36	0.0	0.0	0.0	8.27
						113.4	-0.14	-8.57	0.0	0.0	0.0	3.47
86	10	-3.01	0.0	-4.44e-03	-0.31	0.0	0.06	7.71	0.0	0.0	0.0	-11.57
		-11.57	0.0	0.0	0.0	56.7	0.06	7.55	0.0	0.0	0.0	-7.24
						113.4	0.06	7.40	0.0	0.0	0.0	-3.01
86	12	14.94	0.0	5.55e-03	-0.40	0.0	-0.15	-9.46	0.0	0.0	0.0	14.94
		3.99	0.0	0.0	0.0	56.7	-0.15	-9.66	0.0	0.0	0.0	9.52
						113.4	-0.15	-9.86	0.0	0.0	0.0	3.99
86	14	2.37	0.14	7.32e-04	-0.31	0.0	1.73e-04	-0.93	0.14	-1.05	-0.03	2.37

		1.13	-0.03	-1.87e-04	0.0	56.7	1.73e-04	-1.09	0.14	-1.05	0.05	1.79
						113.4	1.73e-04	-1.24	0.14	-1.05	0.14	1.13
86	15	1.84	0.03	8.55e-04	-0.31	0.0	-0.04	-1.51	-0.14	1.05	0.03	1.84
		-0.04	-0.14	1.87e-04	0.0	56.7	-0.04	-1.66	-0.14	1.05	-0.05	0.94
						113.4	-0.04	-1.82	-0.14	1.05	-0.14	-0.04
86	34	3.00	0.06	5.89e-04	-0.31	0.0	0.05	-0.27	0.06	0.56	-0.02	3.00
		2.48	-0.02	3.03e-04	0.0	56.7	0.05	-0.42	0.06	0.56	0.02	2.79
						113.4	0.05	-0.57	0.06	0.56	0.06	2.48
86	35	1.21	0.02	9.99e-04	-0.31	0.0	-0.09	-2.18	-0.06	-0.56	0.02	1.21
		-1.39	-0.06	-3.03e-04	0.0	56.7	-0.09	-2.33	-0.06	-0.56	-0.02	-0.05
						113.4	-0.09	-2.49	-0.06	-0.56	-0.06	-1.39
86	36	3.00	1.22e-03	5.88e-04	-0.31	0.0	0.05	-0.27	-0.02	0.16	1.22e-03	3.00
		2.48	-0.01	5.42e-05	0.0	56.7	0.05	-0.42	-0.02	0.16	-5.29e-03	2.78
						113.4	0.05	-0.58	-0.02	0.16	-0.01	2.48
86	46	2.19	0.06	7.73e-04	-0.31	0.0	-0.01	-1.13	0.07	-0.50	-0.02	2.19
		0.73	-0.02	-8.62e-05	0.0	56.7	-0.01	-1.28	0.07	-0.50	0.02	1.50
						113.4	-0.01	-1.44	0.07	-0.50	0.06	0.73
86	47	2.02	0.02	8.14e-04	-0.31	0.0	-0.03	-1.31	-0.07	0.50	0.02	2.02
		0.36	-0.06	8.62e-05	0.0	56.7	-0.03	-1.47	-0.07	0.50	-0.02	1.23
						113.4	-0.03	-1.62	-0.07	0.50	-0.06	0.36
86	67	1.82	7.03e-03	8.61e-04	-0.31	0.0	-0.04	-1.53	-0.02	-0.20	7.03e-03	1.82
		-0.07	-0.02	-1.08e-04	0.0	56.7	-0.04	-1.68	-0.02	-0.20	-8.82e-03	0.92
						113.4	-0.04	-1.84	-0.02	-0.20	-0.02	-0.07
86	68	2.39	2.65e-03	7.26e-04	-0.31	0.0	1.20e-03	-0.92	-0.01	4.06e-03	2.65e-03	2.39
		1.16	-9.43e-03	1.97e-06	0.0	56.7	1.20e-03	-1.07	-0.01	4.06e-03	-3.39e-03	1.82
						113.4	1.20e-03	-1.23	-0.01	4.06e-03	-9.43e-03	1.16
86	74	2.39	9.43e-03	7.26e-04	-0.31	0.0	1.20e-03	-0.92	0.01	-4.06e-03	-2.65e-03	2.39
		1.16	-2.65e-03	-1.97e-06	0.0	56.7	1.20e-03	-1.07	0.01	-4.06e-03	3.39e-03	1.82
						113.4	1.20e-03	-1.23	0.01	-4.06e-03	9.43e-03	1.16
86	75	1.82	2.65e-03	8.61e-04	-0.31	0.0	-0.04	-1.53	-0.01	4.06e-03	2.65e-03	1.82
		-0.07	-9.43e-03	1.97e-06	0.0	56.7	-0.04	-1.68	-0.01	4.06e-03	-3.39e-03	0.92
						113.4	-0.04	-1.84	-0.01	4.06e-03	-9.43e-03	-0.07
86	78	8.78	0.0	3.25e-03	-0.31	0.0	-0.09	-5.52	0.0	0.0	0.0	8.78
		2.35	0.0	0.0	0.0	56.7	-0.09	-5.67	0.0	0.0	0.0	5.61
						113.4	-0.09	-5.83	0.0	0.0	0.0	2.35
86	81	-1.79	0.0	-2.65e-03	-0.31	0.0	0.03	4.64	0.0	0.0	0.0	-6.88
		-6.88	0.0	0.0	0.0	56.7	0.03	4.49	0.0	0.0	0.0	-4.29
						113.4	0.03	4.33	0.0	0.0	0.0	-1.79
86	84	3.44	0.0	1.28e-03	-0.31	0.0	-0.03	-2.08	0.0	0.0	0.0	3.44
		0.91	0.0	0.0	0.0	56.7	-0.03	-2.24	0.0	0.0	0.0	2.22
						113.4	-0.03	-2.39	0.0	0.0	0.0	0.91
86	85	0.31	0.0	1.05e-04	-0.31	0.0	-0.01	-0.05	0.0	0.0	0.0	0.31
		0.08	0.0	0.0	0.0	56.7	-0.01	-0.20	0.0	0.0	0.0	0.24
						113.4	-0.01	-0.36	0.0	0.0	0.0	0.08
86	87	2.11	0.0	7.94e-04	-0.31	0.0	-0.02	-1.22	0.0	0.0	0.0	2.11
		0.54	0.0	0.0	0.0	56.7	-0.02	-1.38	0.0	0.0	0.0	1.37
						113.4	-0.02	-1.53	0.0	0.0	0.0	0.54
87	3	3.47	0.0	5.65e-03	-0.40	0.0	-0.17	-18.07	0.0	0.0	0.0	3.47
		-17.25	0.0	0.0	0.0	56.7	-0.17	-18.28	0.0	0.0	0.0	-6.83
						113.4	-0.17	-18.48	0.0	0.0	0.0	-17.25
87	10	15.37	0.0	-5.15e-03	-0.31	0.0	0.07	16.36	0.0	0.0	0.0	-3.01
		-3.01	0.0	0.0	0.0	56.7	0.07	16.20	0.0	0.0	0.0	6.23
						113.4	0.07	16.05	0.0	0.0	0.0	15.37
87	12	3.99	0.0	6.53e-03	-0.40	0.0	-0.19	-20.86	0.0	0.0	0.0	3.99
		-19.90	0.0	0.0	0.0	56.7	-0.19	-21.06	0.0	0.0	0.0	-7.90
						113.4	-0.19	-21.26	0.0	0.0	0.0	-19.90
87	14	1.13	0.15	1.16e-03	-0.31	0.0	0.02	-2.57	-0.62	-1.83	0.15	1.13
		-1.98	-0.56	-1.86e-04	0.0	56.7	0.02	-2.73	-0.62	-1.83	-0.20	-0.38
						113.4	0.02	-2.88	-0.62	-1.83	-0.56	-1.98
87	15	-0.04	0.56	7.04e-04	-0.31	0.0	-0.07	-3.11	0.62	1.83	-0.15	-0.04
		-3.73	-0.15	1.86e-04	0.0	56.7	-0.07	-3.26	0.62	1.83	0.20	-1.84
						113.4	-0.07	-3.42	0.62	1.83	0.56	-3.73
87	34	2.48	0.06	1.70e-03	-0.31	0.0	0.11	-1.95	-0.27	0.83	0.06	2.48
		0.07	-0.25	3.04e-04	0.0	56.7	0.11	-2.10	-0.27	0.83	-0.09	1.32
						113.4	0.11	-2.26	-0.27	0.83	-0.25	0.07
87	35	-1.39	0.25	3.33e-04	-0.31	0.0	-0.16	-3.74	0.27	-0.83	-0.06	-1.39
		-5.77	-0.06	-3.04e-04	0.0	56.7	-0.16	-3.89	0.27	-0.83	0.09	-3.54
						113.4	-0.16	-4.04	0.27	-0.83	0.25	-5.77
87	46	0.73	0.07	1.01e-03	-0.31	0.0	-0.01	-2.76	-0.29	-0.86	0.07	0.73
		-2.57	-0.26	-8.53e-05	0.0	56.7	-0.01	-2.91	-0.29	-0.86	-0.09	-0.88
						113.4	-0.01	-3.07	-0.29	-0.86	-0.26	-2.57
87	47	0.36	0.26	8.62e-04	-0.31	0.0	-0.04	-2.93	0.29	0.86	-0.07	0.36
		-3.13	-0.07	8.53e-05	0.0	56.7	-0.04	-3.08	0.29	0.86	0.09	-1.34
						113.4	-0.04	-3.24	0.29	0.86	0.26	-3.13
87	66	1.16	0.03	1.18e-03	-0.31	0.0	0.02	-2.56	-0.11	0.31	0.03	1.16
		-1.93	-0.10	1.09e-04	0.0	56.7	0.02	-2.71	-0.11	0.31	-0.04	-0.34
						113.4	0.02	-2.87	-0.11	0.31	-0.10	-1.93

87	67	-0.07	0.10	6.92e-04	-0.31	0.0	-0.07	-3.13	0.11	-0.31	-0.03	-0.07
		-3.78	-0.03	-1.09e-04	0.0	56.7	-0.07	-3.28	0.11	-0.31	0.04	-1.88
						113.4	-0.07	-3.44	0.11	-0.31	0.10	-3.78
87	74	1.16	9.93e-03	1.18e-03	-0.31	0.0	0.02	-2.56	-0.04	0.06	9.93e-03	1.16
		-1.93	-0.03	-1.44e-06	0.0	56.7	0.02	-2.71	-0.04	0.06	-0.01	-0.34
						113.4	0.02	-2.87	-0.04	0.06	-0.03	-1.93
87	75	-0.07	0.03	6.92e-04	-0.31	0.0	-0.07	-3.13	0.04	-0.06	-9.93e-03	-0.07
		-3.78	-9.93e-03	1.44e-06	0.0	56.7	-0.07	-3.28	0.04	-0.06	0.01	-1.88
						113.4	-0.07	-3.44	0.04	-0.06	0.03	-3.78
87	78	2.35	0.0	3.83e-03	-0.31	0.0	-0.12	-12.24	0.0	0.0	0.0	2.35
		-11.70	0.0	0.0	0.0	56.7	-0.12	-12.39	0.0	0.0	0.0	-4.63
						113.4	-0.12	-12.55	0.0	0.0	0.0	-11.70
87	81	9.12	0.0	-3.06e-03	-0.31	0.0	0.04	9.77	0.0	0.0	0.0	-1.79
		-1.79	0.0	0.0	0.0	56.7	0.04	9.62	0.0	0.0	0.0	3.71
						113.4	0.04	9.46	0.0	0.0	0.0	9.12
87	84	0.91	0.0	1.51e-03	-0.31	0.0	-0.04	-4.72	0.0	0.0	0.0	0.91
		-4.62	0.0	0.0	0.0	56.7	-0.04	-4.88	0.0	0.0	0.0	-1.81
						113.4	-0.04	-5.03	0.0	0.0	0.0	-4.62
87	85	0.08	0.0	1.35e-04	-0.31	0.0	-0.01	-0.32	0.0	0.0	0.0	0.08
		-0.46	0.0	0.0	0.0	56.7	-0.01	-0.47	0.0	0.0	0.0	-0.15
						113.4	-0.01	-0.63	0.0	0.0	0.0	-0.46
87	87	0.54	0.0	9.34e-04	-0.31	0.0	-0.03	-2.84	0.0	0.0	0.0	0.54
		-2.85	0.0	0.0	0.0	56.7	-0.03	-3.00	0.0	0.0	0.0	-1.11
						113.4	-0.03	-3.15	0.0	0.0	0.0	-2.85
88	3	12.96	0.0	-4.79e-03	-0.40	0.0	-0.14	8.57	0.0	0.0	0.0	3.47
		3.47	0.0	0.0	0.0	56.7	-0.14	8.36	0.0	0.0	0.0	8.27
						113.4	-0.14	8.16	0.0	0.0	0.0	12.96
88	10	-3.01	0.0	4.44e-03	-0.31	0.0	0.06	-7.40	0.0	0.0	0.0	-3.01
		-11.57	0.0	0.0	0.0	56.7	0.06	-7.55	0.0	0.0	0.0	-7.24
						113.4	0.06	-7.71	0.0	0.0	0.0	-11.57
88	12	14.94	0.0	-5.55e-03	-0.40	0.0	-0.15	9.86	0.0	0.0	0.0	3.99
		3.99	0.0	0.0	0.0	56.7	-0.15	9.66	0.0	0.0	0.0	9.52
						113.4	-0.15	9.46	0.0	0.0	0.0	14.94
88	21	2.37	0.14	-7.32e-04	-0.31	0.0	1.86e-04	1.25	-0.14	1.05	0.14	1.12
		1.12	-0.03	1.87e-04	0.0	56.7	1.86e-04	1.09	-0.14	1.05	0.05	1.79
						113.4	1.86e-04	0.94	-0.14	1.05	-0.03	2.37
88	24	1.84	0.03	-8.55e-04	-0.31	0.0	-0.04	1.82	0.14	-1.05	-0.14	-0.03
		-0.03	-0.14	-1.87e-04	0.0	56.7	-0.04	1.66	0.14	-1.05	-0.05	0.94
						113.4	-0.04	1.51	0.14	-1.05	0.03	1.84
88	33	3.00	0.06	-5.96e-04	-0.31	0.0	0.05	0.58	-0.06	-9.93e-03	0.06	2.48
		2.48	-0.02	-1.06e-04	0.0	56.7	0.05	0.42	-0.06	-9.93e-03	0.02	2.78
						113.4	0.05	0.27	-0.06	-9.93e-03	-0.02	3.00
88	34	1.21	0.02	-9.99e-04	-0.31	0.0	-0.09	2.49	-0.02	0.70	0.02	-1.39
		-1.39	-1.82e-04	2.51e-04	0.0	56.7	-0.09	2.33	-0.02	0.70	7.66e-03	-0.05
						113.4	-0.09	2.18	-0.02	0.70	-1.82e-04	1.21
88	35	3.00	1.82e-04	-5.96e-04	-0.31	0.0	0.05	0.58	0.02	-0.70	-0.02	2.48
		2.48	-0.02	-2.51e-04	0.0	56.7	0.05	0.42	0.02	-0.70	-7.66e-03	2.79
						113.4	0.05	0.27	0.02	-0.70	1.82e-04	3.00
88	36	1.21	0.02	-9.99e-04	-0.31	0.0	-0.09	2.49	0.06	9.93e-03	-0.06	-1.39
		-1.39	-0.06	1.06e-04	0.0	56.7	-0.09	2.33	0.06	9.93e-03	-0.02	-0.05
						113.4	-0.09	2.18	0.06	9.93e-03	0.02	1.21
88	58	2.02	0.06	-8.14e-04	-0.31	0.0	-0.03	1.62	-0.07	0.50	0.06	0.36
		0.36	-0.02	8.62e-05	0.0	56.7	-0.03	1.47	-0.07	0.50	0.02	1.23
						113.4	-0.03	1.31	-0.07	0.50	-0.02	2.02
88	59	2.19	0.02	-7.73e-04	-0.31	0.0	-0.01	1.44	0.07	-0.50	-0.06	0.73
		0.73	-0.06	-8.62e-05	0.0	56.7	-0.01	1.28	0.07	-0.50	-0.02	1.50
						113.4	-0.01	1.13	0.07	-0.50	0.02	2.19
88	65	2.39	0.03	-7.26e-04	-0.31	0.0	1.21e-03	1.23	-0.03	0.06	0.03	1.16
		1.16	-6.53e-03	-2.43e-05	0.0	56.7	1.21e-03	1.07	-0.03	0.06	9.93e-03	1.82
						113.4	1.21e-03	0.92	-0.03	0.06	-6.53e-03	2.39
88	66	1.82	0.01	-8.61e-04	-0.31	0.0	-0.04	1.83	-0.01	0.26	0.01	-0.07
		-0.07	-2.15e-03	8.59e-05	0.0	56.7	-0.04	1.68	-0.01	0.26	4.49e-03	0.92
						113.4	-0.04	1.53	-0.01	0.26	-2.15e-03	1.82
88	67	2.39	2.15e-03	-7.26e-04	-0.31	0.0	1.20e-03	1.23	0.01	-0.26	-0.01	1.16
		1.16	-0.01	-8.59e-05	0.0	56.7	1.20e-03	1.07	0.01	-0.26	-4.49e-03	1.82
						113.4	1.20e-03	0.92	0.01	-0.26	2.15e-03	2.39
88	68	1.82	6.53e-03	-8.61e-04	-0.31	0.0	-0.04	1.83	0.03	-0.06	-0.03	-0.07
		-0.07	-0.03	2.43e-05	0.0	56.7	-0.04	1.68	0.03	-0.06	-9.93e-03	0.92
						113.4	-0.04	1.53	0.03	-0.06	6.53e-03	1.82
88	78	8.78	0.0	-3.25e-03	-0.31	0.0	-0.09	5.83	0.0	0.0	0.0	2.35
		2.35	0.0	0.0	0.0	56.7	-0.09	5.67	0.0	0.0	0.0	5.61
						113.4	-0.09	5.52	0.0	0.0	0.0	8.78
88	81	-1.79	0.0	2.65e-03	-0.31	0.0	0.03	-4.33	0.0	0.0	0.0	-1.79
		-6.88	0.0	0.0	0.0	56.7	0.03	-4.49	0.0	0.0	0.0	-4.29
						113.4	0.03	-4.64	0.0	0.0	0.0	-6.88
88	84	3.44	0.0	-1.28e-03	-0.31	0.0	-0.03	2.39	0.0	0.0	0.0	0.91
		0.91	0.0	0.0	0.0	56.7	-0.03	2.24	0.0	0.0	0.0	2.22

						113.4	-0.03	2.08	0.0	0.0	0.0	3.44
88	85	0.31	0.0	-1.05e-04	-0.31	0.0	-0.01	0.36	0.0	0.0	0.0	0.08
		0.08	0.0	0.0	0.0	56.7	-0.01	0.20	0.0	0.0	0.0	0.24
						113.4	-0.01	0.05	0.0	0.0	0.0	0.31
88	87	2.11	0.0	-7.94e-04	-0.31	0.0	-0.02	1.53	0.0	0.0	0.0	0.54
		0.54	0.0	0.0	0.0	56.7	-0.02	1.38	0.0	0.0	0.0	1.37
						113.4	-0.02	1.22	0.0	0.0	0.0	2.11
89	3	12.96	0.0	1.05e-03	-0.40	0.0	-0.12	-1.35	0.0	0.0	0.0	12.96
		11.20	0.0	0.0	0.0	56.7	-0.12	-1.55	0.0	0.0	0.0	12.14
						113.4	-0.12	-1.75	0.0	0.0	0.0	11.20
89	10	-10.32	0.0	-7.52e-04	-0.31	0.0	0.05	1.26	0.0	0.0	0.0	-11.57
		-11.57	0.0	0.0	0.0	56.7	0.05	1.10	0.0	0.0	0.0	-10.90
						113.4	0.05	0.95	0.0	0.0	0.0	-10.32
89	12	14.94	0.0	1.18e-03	-0.40	0.0	-0.13	-1.54	0.0	0.0	0.0	14.94
		12.97	0.0	0.0	0.0	56.7	-0.13	-1.74	0.0	0.0	0.0	14.01
						113.4	-0.13	-1.94	0.0	0.0	0.0	12.97
89	21	2.37	-0.03	6.09e-04	-0.31	0.0	-0.02	-0.39	-0.09	0.30	-0.03	2.37
		1.71	-0.09	1.89e-04	0.0	56.7	-0.02	-0.54	-0.09	0.30	-0.06	2.08
						113.4	-0.02	-0.70	-0.09	0.30	-0.09	1.71
89	24	1.96	0.09	-3.03e-04	-0.31	0.0	-0.02	0.21	0.09	-0.30	0.03	1.84
		1.84	0.03	-1.89e-04	0.0	56.7	-0.02	0.06	0.09	-0.30	0.06	1.94
						113.4	-0.02	-0.10	0.09	-0.30	0.09	1.95
89	34	2.24	0.03	-1.31e-03	-0.31	0.0	-0.01	0.92	0.03	0.32	1.59e-03	1.21
		1.21	1.59e-03	2.51e-04	0.0	56.7	-0.01	0.76	0.03	0.32	0.02	1.77
						113.4	-0.01	0.61	0.03	0.32	0.03	2.24
89	35	3.00	-1.59e-03	1.64e-03	-0.31	0.0	-0.02	-1.10	-0.03	-0.32	-1.59e-03	3.00
		1.42	-0.03	-2.51e-04	0.0	56.7	-0.02	-1.25	-0.03	-0.32	-0.02	2.25
						113.4	-0.02	-1.41	-0.03	-0.32	-0.03	1.42
89	58	2.02	-0.01	-1.16e-04	-0.31	0.0	-0.02	7.37e-03	-0.04	0.15	-0.01	2.02
		1.87	-0.04	8.72e-05	0.0	56.7	-0.02	-0.15	-0.04	0.15	-0.03	1.99
						113.4	-0.02	-0.30	-0.04	0.15	-0.04	1.87
89	59	2.19	0.04	3.03e-04	-0.31	0.0	-0.02	-0.19	0.04	-0.15	0.01	2.19
		1.79	0.01	-8.72e-05	0.0	56.7	-0.02	-0.34	0.04	-0.15	0.03	2.03
						113.4	-0.02	-0.50	0.04	-0.15	0.04	1.79
89	67	2.39	1.54e-03	6.23e-04	-0.31	0.0	-0.02	-0.41	-4.83e-03	-0.11	1.54e-03	2.39
		1.70	-4.50e-03	-8.62e-05	0.0	56.7	-0.02	-0.56	-4.83e-03	-0.11	-1.48e-03	2.09
						113.4	-0.02	-0.72	-4.83e-03	-0.11	-4.50e-03	1.70
89	74	1.96	-6.64e-03	-3.14e-04	-0.31	0.0	-0.02	0.23	-0.03	-0.01	-6.64e-03	1.82
		1.82	-0.03	-2.40e-05	0.0	56.7	-0.02	0.08	-0.03	-0.01	-0.02	1.93
						113.4	-0.02	-0.08	-0.03	-0.01	-0.03	1.96
89	75	2.39	0.03	6.23e-04	-0.31	0.0	-0.02	-0.41	0.03	0.01	6.64e-03	2.39
		1.70	6.64e-03	2.40e-05	0.0	56.7	-0.02	-0.56	0.03	0.01	0.02	2.09
						113.4	-0.02	-0.72	0.03	0.01	0.03	1.70
89	78	8.78	0.0	7.11e-04	-0.31	0.0	-0.08	-0.89	0.0	0.0	0.0	8.78
		7.60	0.0	0.0	0.0	56.7	-0.08	-1.05	0.0	0.0	0.0	8.23
						113.4	-0.08	-1.20	0.0	0.0	0.0	7.60
89	81	-6.15	0.0	-4.35e-04	-0.31	0.0	0.03	0.79	0.0	0.0	0.0	-6.88
		-6.88	0.0	0.0	0.0	56.7	0.03	0.64	0.0	0.0	0.0	-6.47
						113.4	0.03	0.48	0.0	0.0	0.0	-6.15
89	84	3.44	0.0	2.75e-04	-0.31	0.0	-0.03	-0.25	0.0	0.0	0.0	3.44
		2.98	0.0	0.0	0.0	56.7	-0.03	-0.40	0.0	0.0	0.0	3.26
						113.4	-0.03	-0.56	0.0	0.0	0.0	2.98
89	85	0.32	0.0	4.55e-05	-0.31	0.0	-8.82e-03	0.09	0.0	0.0	0.0	0.31
		0.23	0.0	0.0	0.0	56.7	-8.82e-03	-0.07	0.0	0.0	0.0	0.31
						113.4	-8.82e-03	-0.22	0.0	0.0	0.0	0.23
89	87	2.11	0.0	1.66e-04	-0.31	0.0	-0.02	-0.09	0.0	0.0	0.0	2.11
		1.83	0.0	0.0	0.0	56.7	-0.02	-0.24	0.0	0.0	0.0	2.01
						113.4	-0.02	-0.40	0.0	0.0	0.0	1.83
90	3	11.20	0.0	5.97e-03	-0.40	0.0	-0.14	-11.26	0.0	0.0	0.0	11.20
		-1.79	0.0	0.0	0.0	56.7	-0.14	-11.46	0.0	0.0	0.0	4.76
						113.4	-0.14	-11.66	0.0	0.0	0.0	-1.79
90	10	0.75	0.0	-5.29e-03	-0.31	0.0	0.06	9.91	0.0	0.0	0.0	-10.32
		-10.32	0.0	0.0	0.0	56.7	0.06	9.76	0.0	0.0	0.0	-4.74
						113.4	0.06	9.60	0.0	0.0	0.0	0.75
90	12	12.97	0.0	6.88e-03	-0.40	0.0	-0.15	-12.94	0.0	0.0	0.0	12.97
		-1.94	0.0	0.0	0.0	56.7	-0.15	-13.14	0.0	0.0	0.0	5.57
						113.4	-0.15	-13.34	0.0	0.0	0.0	-1.94
90	21	1.71	0.39	9.72e-04	-0.31	0.0	-0.04	-2.01	0.43	1.18	-0.10	1.71
		-0.72	-0.10	1.91e-04	0.0	56.7	-0.04	-2.17	0.43	1.18	0.14	0.54
						113.4	-0.04	-2.32	0.43	1.18	0.39	-0.72
90	24	1.95	0.10	9.88e-04	-0.31	0.0	1.93e-03	-1.41	-0.43	-1.18	0.10	1.95
		0.15	-0.39	-1.91e-04	0.0	56.7	1.93e-03	-1.56	-0.43	-1.18	-0.14	1.09
						113.4	1.93e-03	-1.71	-0.43	-1.18	-0.39	0.15
90	34	2.24	0.03	1.01e-03	-0.31	0.0	0.05	-0.69	-0.14	0.47	0.03	2.24
		1.17	-0.12	2.52e-04	0.0	56.7	0.05	-0.84	-0.14	0.47	-0.05	1.75
						113.4	0.05	-0.99	-0.14	0.47	-0.12	1.17
90	35	1.42	0.12	9.52e-04	-0.31	0.0	-0.09	-2.73	0.14	-0.47	-0.03	1.42

		-1.74	-0.03	-2.52e-04	0.0	56.7	-0.09	-2.89	0.14	-0.47	0.05	-0.12
						113.4	-0.09	-3.04	0.14	-0.47	0.12	-1.74
90	58	1.87	0.17	9.81e-04	-0.31	0.0	-0.01	-1.61	0.19	0.57	-0.04	1.87
		-0.14	-0.04	8.81e-05	0.0	56.7	-0.01	-1.76	0.19	0.57	0.06	0.91
						113.4	-0.01	-1.92	0.19	0.57	0.17	-0.14
90	59	1.79	0.04	9.79e-04	-0.31	0.0	-0.03	-1.81	-0.19	-0.57	0.04	1.79
		-0.43	-0.17	-8.81e-05	0.0	56.7	-0.03	-1.96	-0.19	-0.57	-0.06	0.73
						113.4	-0.03	-2.12	-0.19	-0.57	-0.17	-0.43
90	66	1.96	4.79e-03	9.82e-04	-0.31	0.0	2.85e-03	-1.38	-0.02	0.21	4.79e-03	1.96
		0.18	-0.02	8.65e-05	0.0	56.7	2.85e-03	-1.54	-0.02	0.21	-6.07e-03	1.11
						113.4	2.85e-03	-1.69	-0.02	0.21	-0.02	0.18
90	67	1.70	0.02	9.77e-04	-0.31	0.0	-0.04	-2.04	0.02	-0.21	-4.79e-03	1.70
		-0.75	-4.79e-03	-8.65e-05	0.0	56.7	-0.04	-2.19	0.02	-0.21	6.07e-03	0.52
						113.4	-0.04	-2.34	0.02	-0.21	0.02	-0.75
90	74	1.96	0.11	9.82e-04	-0.31	0.0	2.85e-03	-1.38	0.12	0.14	-0.03	1.96
		0.18	-0.03	-2.37e-05	0.0	56.7	2.85e-03	-1.54	0.12	0.14	0.04	1.11
						113.4	2.85e-03	-1.69	0.12	0.14	0.11	0.18
90	75	1.70	0.03	9.77e-04	-0.31	0.0	-0.04	-2.04	-0.12	-0.14	0.03	1.70
		-0.75	-0.11	2.37e-05	0.0	56.7	-0.04	-2.19	-0.12	-0.14	-0.04	0.52
						113.4	-0.04	-2.34	-0.12	-0.14	-0.11	-0.75
90	78	7.60	0.0	4.05e-03	-0.31	0.0	-0.09	-7.61	0.0	0.0	0.0	7.60
		-1.21	0.0	0.0	0.0	56.7	-0.09	-7.77	0.0	0.0	0.0	3.24
						113.4	-0.09	-7.92	0.0	0.0	0.0	-1.21
90	81	0.38	0.0	-3.14e-03	-0.31	0.0	0.03	5.92	0.0	0.0	0.0	-6.15
		-6.15	0.0	0.0	0.0	56.7	0.03	5.76	0.0	0.0	0.0	-2.84
						113.4	0.03	5.61	0.0	0.0	0.0	0.38
90	84	2.98	0.0	1.59e-03	-0.31	0.0	-0.03	-2.89	0.0	0.0	0.0	2.98
		-0.47	0.0	0.0	0.0	56.7	-0.03	-3.04	0.0	0.0	0.0	1.30
						113.4	-0.03	-3.20	0.0	0.0	0.0	-0.47
90	85	0.23	0.0	1.56e-04	-0.31	0.0	-0.01	-0.18	0.0	0.0	0.0	0.23
		-0.15	0.0	0.0	0.0	56.7	-0.01	-0.34	0.0	0.0	0.0	0.08
						113.4	-0.01	-0.49	0.0	0.0	0.0	-0.15
90	87	1.83	0.0	9.80e-04	-0.31	0.0	-0.02	-1.71	0.0	0.0	0.0	1.83
		-0.29	0.0	0.0	0.0	56.7	-0.02	-1.86	0.0	0.0	0.0	0.82
						113.4	-0.02	-2.02	0.0	0.0	0.0	-0.29
91	3	-1.79	0.0	4.08e-03	-0.40	0.0	-0.17	-21.17	0.0	0.0	0.0	-1.79
		-26.02	0.0	0.0	0.0	56.7	-0.17	-21.37	0.0	0.0	0.0	-13.85
						113.4	-0.17	-21.57	0.0	0.0	0.0	-26.02
91	10	21.63	0.0	-4.03e-03	-0.31	0.0	0.07	18.57	0.0	0.0	0.0	0.75
		0.75	0.0	0.0	0.0	56.7	0.07	18.41	0.0	0.0	0.0	11.23
						113.4	0.07	18.26	0.0	0.0	0.0	21.63
91	12	-1.94	0.0	4.76e-03	-0.40	0.0	-0.19	-24.34	0.0	0.0	0.0	-1.94
		-29.77	0.0	0.0	0.0	56.7	-0.19	-24.55	0.0	0.0	0.0	-15.80
						113.4	-0.19	-24.75	0.0	0.0	0.0	-29.77
91	21	-0.72	0.41	6.18e-04	-0.31	0.0	-0.07	-3.63	-1.69	1.76	0.41	-0.72
		-5.01	-1.50	1.93e-04	0.0	56.7	-0.07	-3.79	-1.69	1.76	-0.55	-2.82
						113.4	-0.07	-3.94	-1.69	1.76	-1.50	-5.01
91	24	0.15	1.50	7.74e-04	-0.31	0.0	0.02	-3.03	1.69	-1.76	-0.41	0.15
		-3.46	-0.41	-1.93e-04	0.0	56.7	0.02	-3.18	1.69	-1.76	0.55	-1.61
						113.4	0.02	-3.34	1.69	-1.76	1.50	-3.46
91	31	-1.74	0.18	5.23e-04	-0.31	0.0	-0.17	-4.34	-0.73	0.32	0.18	-1.74
		-6.81	-0.65	-5.73e-05	0.0	56.7	-0.17	-4.49	-0.73	0.32	-0.24	-4.23
						113.4	-0.17	-4.65	-0.73	0.32	-0.65	-6.81
91	34	1.17	0.48	9.83e-04	-0.31	0.0	0.12	-2.32	0.54	0.76	-0.13	1.17
		-1.66	-0.13	2.52e-04	0.0	56.7	0.12	-2.48	0.54	0.76	0.17	-0.20
						113.4	0.12	-2.63	0.54	0.76	0.48	-1.66
91	35	-1.74	0.13	5.23e-04	-0.31	0.0	-0.17	-4.34	-0.54	-0.76	0.13	-1.74
		-6.81	-0.48	-2.52e-04	0.0	56.7	-0.17	-4.49	-0.54	-0.76	-0.17	-4.23
						113.4	-0.17	-4.65	-0.54	-0.76	-0.48	-6.81
91	58	-0.14	0.18	7.13e-04	-0.31	0.0	-0.01	-3.23	-0.74	0.84	0.18	-0.14
		-3.99	-0.66	8.89e-05	0.0	56.7	-0.01	-3.39	-0.74	0.84	-0.24	-2.02
						113.4	-0.01	-3.54	-0.74	0.84	-0.66	-3.99
91	59	-0.43	0.66	6.62e-04	-0.31	0.0	-0.04	-3.43	0.74	-0.84	-0.18	-0.43
		-4.48	-0.18	-8.89e-05	0.0	56.7	-0.04	-3.58	0.74	-0.84	0.24	-2.41
						113.4	-0.04	-3.74	0.74	-0.84	0.66	-4.48
91	63	-0.75	0.04	6.16e-04	-0.31	0.0	-0.07	-3.65	-0.16	0.18	0.04	-0.75
		-5.06	-0.14	-3.92e-06	0.0	56.7	-0.07	-3.80	-0.16	0.18	-0.05	-2.86
						113.4	-0.07	-3.96	-0.16	0.18	-0.14	-5.06
91	66	0.18	0.07	7.78e-04	-0.31	0.0	0.02	-3.01	0.07	0.31	-0.02	0.18
		-3.42	-0.02	8.66e-05	0.0	56.7	0.02	-3.16	0.07	0.31	0.02	-1.57
						113.4	0.02	-3.32	0.07	0.31	0.07	-3.42
91	74	0.18	0.12	7.78e-04	-0.31	0.0	0.02	-3.01	-0.47	0.20	0.12	0.18
		-3.42	-0.42	-2.34e-05	0.0	56.7	0.02	-3.16	-0.47	0.20	-0.15	-1.57
						113.4	0.02	-3.32	-0.47	0.20	-0.42	-3.42
91	75	-0.75	0.42	6.16e-04	-0.31	0.0	-0.07	-3.65	0.47	-0.20	-0.12	-0.75
		-5.06	-0.12	2.34e-05	0.0	56.7	-0.07	-3.80	0.47	-0.20	0.15	-2.86
						113.4	-0.07	-3.96	0.47	-0.20	0.42	-5.06

91	78	-1.21	0.0	2.77e-03	-0.31	0.0	-0.12	-14.33	0.0	0.0	0.0	-1.21
		-17.64	0.0	0.0	0.0	56.7	-0.12	-14.49	0.0	0.0	0.0	-9.38
						113.4	-0.12	-14.64	0.0	0.0	0.0	-17.64
91	81	12.74	0.0	-2.41e-03	-0.31	0.0	0.04	11.05	0.0	0.0	0.0	0.38
		0.38	0.0	0.0	0.0	56.7	0.04	10.89	0.0	0.0	0.0	6.60
						113.4	0.04	10.74	0.0	0.0	0.0	12.74
91	84	-0.47	0.0	1.10e-03	-0.31	0.0	-0.04	-5.53	0.0	0.0	0.0	-0.47
		-6.92	0.0	0.0	0.0	56.7	-0.04	-5.69	0.0	0.0	0.0	-3.65
						113.4	-0.04	-5.84	0.0	0.0	0.0	-6.92
91	85	-0.15	0.0	7.45e-05	-0.31	0.0	-0.01	-0.45	0.0	0.0	0.0	-0.15
		-0.84	0.0	0.0	0.0	56.7	-0.01	-0.61	0.0	0.0	0.0	-0.45
						113.4	-0.01	-0.76	0.0	0.0	0.0	-0.84
91	87	-0.29	0.0	6.85e-04	-0.31	0.0	-0.03	-3.33	0.0	0.0	0.0	-0.29
		-4.24	0.0	0.0	0.0	56.7	-0.03	-3.48	0.0	0.0	0.0	-2.22
						113.4	-0.03	-3.64	0.0	0.0	0.0	-4.24
92	3	15.95	0.0	-0.01	-0.40	0.0	-0.19	14.41	0.0	0.0	0.0	-0.17
		-0.17	0.0	0.0	0.0	56.7	-0.19	14.21	0.0	0.0	0.0	7.95
						113.4	-0.19	14.01	0.0	0.0	0.0	15.95
92	10	-0.25	0.0	8.48e-03	-0.31	0.0	0.09	-11.28	0.0	0.0	0.0	-0.25
		-13.22	0.0	0.0	0.0	56.7	0.09	-11.44	0.0	0.0	0.0	-6.69
						113.4	0.09	-11.59	0.0	0.0	0.0	-13.22
92	12	18.24	0.0	-0.01	-0.40	0.0	-0.20	16.40	0.0	0.0	0.0	-0.14
		-0.14	0.0	0.0	0.0	56.7	-0.20	16.20	0.0	0.0	0.0	9.11
						113.4	-0.20	16.00	0.0	0.0	0.0	18.24
92	21	2.67	0.39	-1.25e-03	-0.31	0.0	-1.96e-03	1.94	-0.44	1.20	0.39	0.57
		0.57	-0.11	-8.06e-05	0.0	56.7	-1.96e-03	1.78	-0.44	1.20	0.14	1.66
						113.4	-1.96e-03	1.63	-0.44	1.20	-0.11	2.67
92	24	2.44	0.11	-2.33e-03	-0.31	0.0	-0.05	2.94	0.44	-1.20	-0.39	-0.64
		-0.64	-0.39	8.06e-05	0.0	56.7	-0.05	2.79	0.44	-1.20	-0.14	0.95
						113.4	-0.05	2.63	0.44	-1.20	0.11	2.44
92	33	2.94	0.33	-1.58e-04	-0.31	0.0	0.06	0.76	-0.37	0.14	0.33	1.98
		1.98	-0.09	4.61e-05	0.0	56.7	0.06	0.60	-0.37	0.14	0.12	2.50
						113.4	0.06	0.45	-0.37	0.14	-0.09	2.94
92	34	2.18	0.04	-3.58e-03	-0.31	0.0	-0.11	4.12	0.16	0.62	-0.14	-2.05
		-2.05	-0.14	-1.08e-04	0.0	56.7	-0.11	3.97	0.16	0.62	-0.05	0.11
						113.4	-0.11	3.81	0.16	0.62	0.04	2.18
92	35	2.94	0.14	-1.58e-04	-0.31	0.0	0.06	0.76	-0.16	-0.62	0.14	1.98
		1.98	-0.04	1.08e-04	0.0	56.7	0.06	0.60	-0.16	-0.62	0.05	2.50
						113.4	0.06	0.45	-0.16	-0.62	-0.04	2.94
92	36	2.18	0.09	-3.58e-03	-0.31	0.0	-0.11	4.12	0.37	-0.14	-0.33	-2.05
		-2.05	-0.33	-4.61e-05	0.0	56.7	-0.11	3.97	0.37	-0.14	-0.12	0.11
						113.4	-0.11	3.81	0.37	-0.14	0.09	2.18
92	58	2.52	0.17	-1.95e-03	-0.31	0.0	-0.04	2.60	-0.19	0.58	0.17	-0.23
		-0.23	-0.05	-4.45e-05	0.0	56.7	-0.04	2.45	-0.19	0.58	0.06	1.19
						113.4	-0.04	2.29	-0.19	0.58	-0.05	2.52
92	59	2.59	0.05	-1.62e-03	-0.31	0.0	-0.02	2.28	0.19	-0.58	-0.17	0.16
		0.16	-0.17	4.45e-05	0.0	56.7	-0.02	2.13	0.19	-0.58	-0.06	1.42
						113.4	-0.02	1.97	0.19	-0.58	0.05	2.59
92	73	2.67	6.16e-03	-1.24e-03	-0.31	0.0	-4.08e-04	1.91	0.03	0.24	-0.02	0.60
		0.60	-0.02	-3.19e-05	0.0	56.7	-4.08e-04	1.76	0.03	0.24	-8.14e-03	1.68
						113.4	-4.08e-04	1.60	0.03	0.24	6.16e-03	2.67
92	74	2.44	0.11	-2.33e-03	-0.31	0.0	-0.05	2.97	-0.13	0.12	0.11	-0.68
		-0.68	-0.03	2.18e-06	0.0	56.7	-0.05	2.82	-0.13	0.12	0.04	0.93
						113.4	-0.05	2.66	-0.13	0.12	-0.03	2.44
92	75	2.67	0.03	-1.24e-03	-0.31	0.0	-4.16e-04	1.91	0.13	-0.12	-0.11	0.60
		0.60	-0.11	-2.18e-06	0.0	56.7	-4.16e-04	1.76	0.13	-0.12	-0.04	1.68
						113.4	-4.16e-04	1.60	0.13	-0.12	0.03	2.67
92	76	2.44	0.02	-2.33e-03	-0.31	0.0	-0.05	2.97	-0.03	-0.24	0.02	-0.68
		-0.68	-6.16e-03	3.19e-05	0.0	56.7	-0.05	2.82	-0.03	-0.24	8.14e-03	0.93
						113.4	-0.05	2.66	-0.03	-0.24	-6.16e-03	2.44
92	78	10.81	0.0	-7.61e-03	-0.31	0.0	-0.13	9.79	0.0	0.0	0.0	-0.11
		-0.11	0.0	0.0	0.0	56.7	-0.13	9.63	0.0	0.0	0.0	5.39
						113.4	-0.13	9.48	0.0	0.0	0.0	10.81
92	81	-0.18	0.0	4.94e-03	-0.31	0.0	0.05	-6.56	0.0	0.0	0.0	-0.18
		-7.80	0.0	0.0	0.0	56.7	0.05	-6.72	0.0	0.0	0.0	-3.94
						113.4	0.05	-6.87	0.0	0.0	0.0	-7.80
92	84	4.21	0.0	-2.95e-03	-0.31	0.0	-0.05	3.91	0.0	0.0	0.0	-0.05
		-0.05	0.0	0.0	0.0	56.7	-0.05	3.76	0.0	0.0	0.0	2.12
						113.4	-0.05	3.60	0.0	0.0	0.0	4.21
92	85	0.49	0.0	-4.41e-04	-0.31	0.0	-0.01	0.64	0.0	0.0	0.0	-0.07
		-0.07	0.0	0.0	0.0	56.7	-0.01	0.49	0.0	0.0	0.0	0.25
						113.4	-0.01	0.33	0.0	0.0	0.0	0.49
92	87	2.56	0.0	-1.79e-03	-0.31	0.0	-0.03	2.44	0.0	0.0	0.0	-0.04
		-0.04	0.0	0.0	0.0	56.7	-0.03	2.29	0.0	0.0	0.0	1.30
						113.4	-0.03	2.13	0.0	0.0	0.0	2.56
93	3	20.83	0.0	-3.90e-03	-0.40	0.0	-0.14	4.50	0.0	0.0	0.0	15.95
		15.95	0.0	0.0	0.0	56.7	-0.14	4.30	0.0	0.0	0.0	18.45

						113.4	-0.14	4.10	0.0	0.0	0.0	20.83
93	10	-13.22	0.0	2.56e-03	-0.31	0.0	0.07	-2.63	0.0	0.0	0.0	-13.22
		-16.38	0.0	0.0	0.0	56.7	0.07	-2.78	0.0	0.0	0.0	-14.76
						113.4	0.07	-2.94	0.0	0.0	0.0	-16.38
93	12	23.68	0.0	-4.35e-03	-0.40	0.0	-0.16	5.00	0.0	0.0	0.0	18.24
		18.24	0.0	0.0	0.0	56.7	-0.16	4.80	0.0	0.0	0.0	21.02
						113.4	-0.16	4.60	0.0	0.0	0.0	23.68
93	21	2.79	0.03	-3.01e-04	-0.31	0.0	-0.02	0.34	0.11	0.45	-0.10	2.67
		2.67	-0.10	-1.00e-04	0.0	56.7	-0.02	0.19	0.11	0.45	-0.04	2.77
						113.4	-0.02	0.04	0.11	0.45	0.03	2.79
93	24	3.83	0.10	-9.72e-04	-0.31	0.0	-0.03	1.30	-0.11	-0.45	0.10	2.44
		2.44	-0.03	1.00e-04	0.0	56.7	-0.03	1.14	-0.11	-0.45	0.04	3.18
						113.4	-0.03	0.99	-0.11	-0.45	-0.03	3.83
93	33	2.94	0.02	6.81e-04	-0.31	0.0	-2.06e-03	-0.77	0.10	-0.15	-0.09	2.94
		1.57	-0.09	-5.43e-05	0.0	56.7	-2.06e-03	-0.93	0.10	-0.15	-0.03	2.30
						113.4	-2.06e-03	-1.08	0.10	-0.15	0.02	1.57
93	34	5.05	0.04	-1.86e-03	-0.31	0.0	-0.04	2.41	-0.04	0.47	0.04	2.18
		2.18	-9.94e-03	-1.29e-06	0.0	56.7	-0.04	2.26	-0.04	0.47	0.01	3.66
						113.4	-0.04	2.10	-0.04	0.47	-9.94e-03	5.05
93	35	2.94	9.94e-03	6.81e-04	-0.31	0.0	-2.07e-03	-0.77	0.04	-0.47	-0.04	2.94
		1.57	-0.04	1.29e-06	0.0	56.7	-2.07e-03	-0.93	0.04	-0.47	-0.01	2.30
						113.4	-2.07e-03	-1.08	0.04	-0.47	9.94e-03	1.57
93	36	5.05	0.09	-1.86e-03	-0.31	0.0	-0.04	2.41	-0.10	0.15	0.09	2.18
		2.18	-0.02	5.43e-05	0.0	56.7	-0.04	2.26	-0.10	0.15	0.03	3.66
						113.4	-0.04	2.10	-0.10	0.15	-0.02	5.05
93	58	3.48	0.01	-7.15e-04	-0.31	0.0	-0.02	0.97	0.05	0.24	-0.04	2.52
		2.52	-0.04	-4.54e-05	0.0	56.7	-0.02	0.82	0.05	0.24	-0.02	3.04
						113.4	-0.02	0.66	0.05	0.24	0.01	3.48
93	59	3.15	0.04	-5.00e-04	-0.31	0.0	-0.02	0.67	-0.05	-0.24	0.04	2.59
		2.59	-0.01	4.54e-05	0.0	56.7	-0.02	0.51	-0.05	-0.24	0.02	2.91
						113.4	-0.02	0.36	-0.05	-0.24	-0.01	3.15
93	73	2.78	5.77e-03	-2.87e-04	-0.31	0.0	-0.02	0.32	-6.50e-03	0.16	5.77e-03	2.67
		2.67	-1.60e-03	-4.83e-06	0.0	56.7	-0.02	0.16	-6.50e-03	0.16	2.08e-03	2.76
						113.4	-0.02	8.97e-03	-6.50e-03	0.16	-1.60e-03	2.77
93	74	3.86	8.06e-03	-9.93e-04	-0.31	0.0	-0.03	1.32	0.03	-2.57e-03	-0.03	2.44
		2.44	-0.03	-2.09e-05	0.0	56.7	-0.03	1.17	0.03	-2.57e-03	-0.01	3.19
						113.4	-0.03	1.01	0.03	-2.57e-03	8.06e-03	3.86
93	76	3.85	1.60e-03	-9.93e-04	-0.31	0.0	-0.03	1.32	6.50e-03	-0.16	-5.77e-03	2.44
		2.44	-5.77e-03	4.83e-06	0.0	56.7	-0.03	1.17	6.50e-03	-0.16	-2.08e-03	3.19
						113.4	-0.03	1.01	6.50e-03	-0.16	1.60e-03	3.85
93	78	14.11	0.0	-2.64e-03	-0.31	0.0	-0.10	3.07	0.0	0.0	0.0	10.81
		10.81	0.0	0.0	0.0	56.7	-0.10	2.91	0.0	0.0	0.0	12.50
						113.4	-0.10	2.76	0.0	0.0	0.0	14.11
93	81	-7.80	0.0	1.47e-03	-0.31	0.0	0.04	-1.43	0.0	0.0	0.0	-7.80
		-9.60	0.0	0.0	0.0	56.7	0.04	-1.59	0.0	0.0	0.0	-8.65
						113.4	0.04	-1.74	0.0	0.0	0.0	-9.60
93	84	5.47	0.0	-1.01e-03	-0.31	0.0	-0.04	1.27	0.0	0.0	0.0	4.21
		4.21	0.0	0.0	0.0	56.7	-0.04	1.11	0.0	0.0	0.0	4.88
						113.4	-0.04	0.96	0.0	0.0	0.0	5.47
93	85	0.73	0.0	-1.98e-04	-0.31	0.0	-9.70e-03	0.37	0.0	0.0	0.0	0.49
		0.49	0.0	0.0	0.0	56.7	-9.70e-03	0.21	0.0	0.0	0.0	0.65
						113.4	-9.70e-03	0.06	0.0	0.0	0.0	0.73
93	87	3.31	0.0	-6.04e-04	-0.31	0.0	-0.02	0.82	0.0	0.0	0.0	2.56
		2.56	0.0	0.0	0.0	56.7	-0.02	0.67	0.0	0.0	0.0	2.98
						113.4	-0.02	0.51	0.0	0.0	0.0	3.31

Trave	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-37.46	-1.63	-0.04	-4.65	-4.36	-34.42	-1.72	-2.35
	27.65	1.63	0.04	5.50	2.27	34.42	1.72	2.35

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. **pilastri**

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**	**Pilastri**
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**	**Pilastri**
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,	Tutti	Da profilo semplice

		rettangolare cava, circolare cava		
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** **B33x L**	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	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
6	ok	s=3,m=11	0.03	0.60		3	0.2	1.2	112.2	0.44				13,3,0,0
7	ok	s=3,m=11	0.11	0.63		3	0.1	1.2	112.2	0.44				3,10,0,0
8	ok	s=3,m=11	0.12	0.88		3	6.43e-02	1.1	106.1	0.47				10,3,0,0
9	ok	s=3,m=11	0.11	0.71		3	0.1	1.1	106.1	0.47				10,3,0,0
10	ok	s=3,m=11	0.13	0.94		3	6.43e-02	1.2	112.2	0.44				3,3,0,0
11	ok	s=3,m=11	0.08	0.54		3	8.71e-02	0.3	27.7	0.95				10,10,0,0
12	ok	s=3,m=11	0.08	0.54		3	8.71e-02	0.3	27.7	0.95				10,10,0,0
13	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
14	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
15	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
16	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
17	ok	s=3,m=11	0.13	0.94		3	6.43e-02	1.2	112.2	0.44				3,3,0,0
18	ok	s=3,m=11	0.10	0.75		3	0.2	1.1	106.1	0.47				3,3,0,0
19	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
20	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
21	ok	s=3,m=11	0.07	0.42		3	0.2	1.2	112.2	0.44				3,3,0,0
22	ok	s=3,m=11	0.04	0.30		3	0.2	0.3	27.7	0.95				10,10,0,0
23	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
24	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
25	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
26	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
27	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
28	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
29	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
30	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
31	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
32	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
33	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
34	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
35	ok	s=3,m=11	0.04	0.30		3	0.2	0.3	27.7	0.95				10,10,0,0
36	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
37	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
38	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
39	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
40	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
41	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
42	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
43	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
44	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
45	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
46	ok	s=3,m=11	0.08	0.50		3	0.2	1.1	106.1	0.47				3,3,0,0
47	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
48	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
49	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
50	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
51	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
52	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
53	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
54	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
55	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
56	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
57	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
58	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
59	ok	s=3,m=11	0.11	0.79		3	0.2	1.2	112.2	0.44				3,3,0,0
60	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
61	ok	s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30				10,10,0,0
62	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
63	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
64	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
65	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
66	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
67	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
68	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
69	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
70	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
71	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
72	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0
73	ok	s=2,m=11	0.06	0.92		3	0.9	1.5	145.3	0.30				3,3,0,0

74	ok s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30			10,10,0,0
75	ok s=2,m=11	0.06	0.90		3	0.9	1.5	145.3	0.30			10,10,0,0
76	ok s=3,m=11	0.11	0.79		3	0.2	1.2	112.2	0.44			3,3,0,0
77	ok s=3,m=11	0.06	0.46		3	0.2	1.2	112.2	0.44			3,3,0,0
78	ok s=3,m=11	0.02	0.60		3	0.2	1.2	112.2	0.44			3,3,0,0
79	ok s=3,m=11	0.11	0.71		3	0.1	1.1	106.1	0.47			10,3,0,0
80	ok s=3,m=11	0.12	0.88		3	6.43e-02	1.1	106.1	0.47			10,3,0,0
81	ok s=3,m=11	0.11	0.63		3	0.1	1.2	112.2	0.44			3,10,0,0
82	ok s=3,m=11	0.07	0.42		3	0.2	1.2	112.2	0.44			3,3,0,0
83	ok s=3,m=11	0.03	0.60		3	0.2	1.2	112.2	0.44			23,3,0,0
84	ok s=3,m=11	0.05	0.32		3	0.2	1.1	106.1	0.47			3,3,0,0
85	ok s=3,m=11	0.02	0.37		3	0.2	1.1	106.1	0.47			22,3,0,0
86	ok s=3,m=11	0.04	0.37		3	0.2	1.1	106.1	0.47			16,3,0,0
87	ok s=3,m=11	0.08	0.50		3	0.2	1.1	106.1	0.47			3,3,0,0
88	ok s=3,m=11	0.04	0.37		3	0.2	1.1	106.1	0.47			22,3,0,0
89	ok s=3,m=11	0.02	0.37		3	0.2	1.1	106.1	0.47			16,3,0,0
90	ok s=3,m=11	0.05	0.32		3	0.2	1.1	106.1	0.47			3,3,0,0
91	ok s=3,m=11	0.10	0.75		3	0.2	1.1	106.1	0.47			3,3,0,0
92	ok s=3,m=11	0.06	0.46		3	0.2	1.2	112.2	0.44			3,3,0,0
93	ok s=3,m=11	0.02	0.60		3	0.2	1.2	112.2	0.44			3,3,0,0

Trave	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.30			
	0.13	0.94		0.94	1.55	145.31				

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
								kN m		kN		kN	kN
6							0.0	0.0	0.0	0.0	0.0	0.0	0.0
7							0.0	0.0	0.0	0.0	0.0	0.0	0.0
8							0.0	0.0	0.0	0.0	0.0	0.0	0.0
9							0.0	0.0	0.0	0.0	0.0	0.0	0.0
10							0.0	0.0	0.0	0.0	0.0	0.0	0.0
11							0.0	0.0	0.0	0.0	0.0	0.0	0.0
12							0.0	0.0	0.0	0.0	0.0	0.0	0.0
13							0.0	0.0	0.0	0.0	0.0	0.0	0.0
14							0.0	0.0	0.0	0.0	0.0	0.0	0.0
15							0.0	0.0	0.0	0.0	0.0	0.0	0.0
16							0.0	0.0	0.0	0.0	0.0	0.0	0.0
17							0.0	0.0	0.0	0.0	0.0	0.0	0.0
18							0.0	0.0	0.0	0.0	0.0	0.0	0.0
19							0.0	0.0	0.0	0.0	0.0	0.0	0.0
20							0.0	0.0	0.0	0.0	0.0	0.0	0.0
21							0.0	0.0	0.0	0.0	0.0	0.0	0.0
22							0.0	0.0	0.0	0.0	0.0	0.0	0.0
23							0.0	0.0	0.0	0.0	0.0	0.0	0.0
24							0.0	0.0	0.0	0.0	0.0	0.0	0.0
25							0.0	0.0	0.0	0.0	0.0	0.0	0.0
26							0.0	0.0	0.0	0.0	0.0	0.0	0.0
27							0.0	0.0	0.0	0.0	0.0	0.0	0.0
28							0.0	0.0	0.0	0.0	0.0	0.0	0.0
29							0.0	0.0	0.0	0.0	0.0	0.0	0.0
30							0.0	0.0	0.0	0.0	0.0	0.0	0.0
31							0.0	0.0	0.0	0.0	0.0	0.0	0.0
32							0.0	0.0	0.0	0.0	0.0	0.0	0.0
33							0.0	0.0	0.0	0.0	0.0	0.0	0.0
34							0.0	0.0	0.0	0.0	0.0	0.0	0.0
35							0.0	0.0	0.0	0.0	0.0	0.0	0.0
36							0.0	0.0	0.0	0.0	0.0	0.0	0.0
37							0.0	0.0	0.0	0.0	0.0	0.0	0.0
38							0.0	0.0	0.0	0.0	0.0	0.0	0.0
39							0.0	0.0	0.0	0.0	0.0	0.0	0.0
40							0.0	0.0	0.0	0.0	0.0	0.0	0.0
41							0.0	0.0	0.0	0.0	0.0	0.0	0.0
42							0.0	0.0	0.0	0.0	0.0	0.0	0.0
43							0.0	0.0	0.0	0.0	0.0	0.0	0.0
44							0.0	0.0	0.0	0.0	0.0	0.0	0.0
45							0.0	0.0	0.0	0.0	0.0	0.0	0.0
46							0.0	0.0	0.0	0.0	0.0	0.0	0.0
47							0.0	0.0	0.0	0.0	0.0	0.0	0.0
48							0.0	0.0	0.0	0.0	0.0	0.0	0.0
49							0.0	0.0	0.0	0.0	0.0	0.0	0.0
50							0.0	0.0	0.0	0.0	0.0	0.0	0.0
51							0.0	0.0	0.0	0.0	0.0	0.0	0.0
52							0.0	0.0	0.0	0.0	0.0	0.0	0.0
53							0.0	0.0	0.0	0.0	0.0	0.0	0.0
54							0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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	0.0	0.0	0.0

Pilas.	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
1	ok	s=1,m=11	0.02	0.66	0.52	1	1.8	1.1	167.5	0.24	0.28	0.2	1.00	16,29,3,16
2	ok	s=1,m=11	0.02	0.61	0.41	1	1.8	1.1	167.5	0.24	0.25	0.2	1.00	22,34,35,22
3	ok	s=1,m=11	0.02	0.66	0.52	1	1.8	1.1	167.5	0.24	0.28	0.2	1.00	22,34,3,22
4	ok	s=1,m=11	0.02	0.62	0.64	1	1.8	1.1	167.5	0.24	0.27	0.2	1.00	22,35,3,22
5	ok	s=1,m=11	0.02	0.62	0.64	1	1.8	1.1	167.5	0.24	0.27	0.2	1.00	13,32,3,13

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.24			1.00
	0.02	0.66	0.64	1.78	1.10	167.46		0.28	0.22	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmb	V[7.5.10]	V Ed kN	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
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						

Pilas.	V V/T	V N/M	V stab	V flst	V[7.5.10]	V Ed	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
	0.0	0.0								

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 cosi via).

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	f*1000/L
6	3.7	7	7.3	8	1.0	9	0.9	10	2.5	11	5.2	12	5.2
13	7.8	14	7.8	15	7.8	16	7.8	17	2.5	18	2.4	19	8.6
20	8.6	21	7.6	22	4.1	23	8.6	24	8.6	25	8.6	26	8.6
27	8.6	28	8.6	29	8.6	30	8.6	31	8.6	32	8.6	33	7.8
34	7.8	35	4.1	36	8.6	37	8.6	38	8.6	39	8.6	40	8.6
41	8.6	42	8.6	43	8.6	44	7.8	45	7.8	46	3.4	47	7.8
48	7.8	49	8.6	50	8.6	51	8.6	52	8.6	53	8.6	54	8.6
55	8.6	56	8.6	57	7.8	58	7.8	59	6.1	60	7.8	61	7.8
62	8.6	63	8.6	64	8.6	65	8.6	66	8.6	67	8.6	68	8.6
69	8.6	70	8.6	71	8.6	72	8.6	73	8.6	74	7.8	75	7.8
76	6.1	77	6.7	78	2.3	79	0.9	80	1.0	81	7.3	82	7.6
83	3.7	84	3.6	85	0.6	86	2.9	87	3.4	88	2.9	89	0.6
90	3.6	91	2.4	92	6.7	93	2.3						