Regione Puglia

COMUNE DI SAN PANCRAZIO SALENTINO (BR) - SALICE SALENTINO (LE)
AVETRANA (TA) - ERCHIE (BR)

PROGETTO PER LA REALIZZAZIONE DI IMPIANTO PER LA PRODUZIONE DI ENERGIA ELETTRICA DA FONTI RINNOVABILI, NONCHE' OPERE CONNESSE ED INFRASTRUTTURE, DI POTENZA NOMINALE PARI A 36 MW ALIMENTATO DA FONTE EOLICA, CON ANNESSO SISTEMA DI ACCUMULO INTEGRATO DI POTENZA PARI A 24 MW, PER UNA POTENZA IN IMMISSIONE PARI A 60MW DENOMINATO IMPIANTO "NEXT2"

P R O G E T T O

PARCO EOLICO "NEXT2"

Codice Regionale AU: CY53TR6

Tav.:	Titolo:
R07c-1	RELAZIONE CALCOLI CABINA SERVIZI Tabulati di calcolo

Scala:	Formato Stampa:	Codice Identificatore Elaborato
s.c.	A4	CY53TR6_NPDI2_ERC_R07c-1_RelazioneTabulatiCalcoloServizi

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Data Progetto	Motivo	Redatto:	Controllato:	Approvato:
15/09/2023	Prima versione	F.M.	S.M.	NPD Italia II srl

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”

EDIFICIO SERVIZI IMPIANTO NEXT2

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

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi

di calcolo semplificato per strutture di muratura non armata.

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

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

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

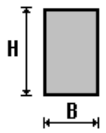
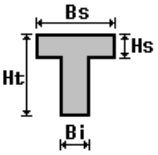
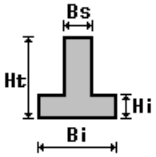
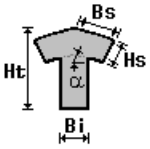
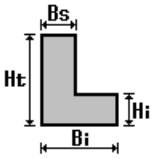
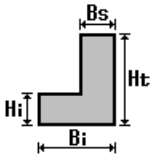
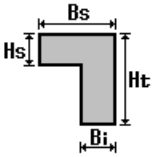
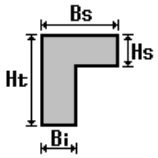
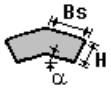
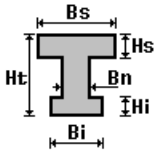
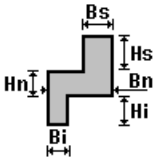
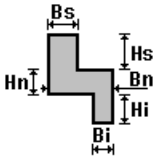
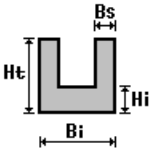
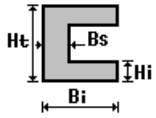
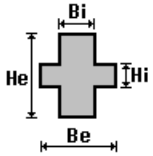
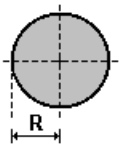
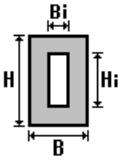
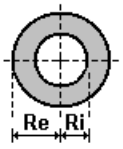
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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	Rettangolare: b=25 h=25	625.00	520.83	520.83	5.491e+04	3.255e+04	3.255e+04	2604.17	2604.17	3906.25	3906.25
15	C_30x30 - Rettangolare: b=30 h=30	900.00	750.00	750.00	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
16	B_30x50 - Rettangolare: b=30 h=50	1500.00	1250.00	1250.00	2.799e+05	1.125e+05	3.125e+05	7500.00	1.250e+04	1.125e+04	1.875e+04
17	B_50x25 - Rettangolare: b=50 h=25	1250.00	1041.67	1041.67	1.784e+05	2.604e+05	6.510e+04	1.042e+04	5208.33	1.562e+04	7812.50
19	T rovescia: bi=120 ht=155 bs=40 hi=40	9400.00	0.0	0.0	4.791e+06	6.373e+06	1.982e+07	1.062e+05	2.042e+05	1.900e+05	3.604e+05

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

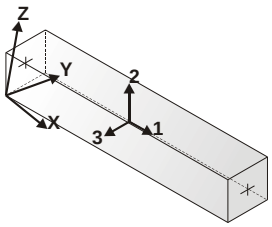
TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	465.0	0.0	0.0	2	1010.0	0.0	0.0	3	0.0	430.0	0.0
4	465.0	430.0	0.0	5	1010.0	430.0	0.0	6	0.0	0.0	155.0
7	0.0	0.0	491.0	8	465.0	0.0	155.0	9	465.0	0.0	491.0
10	1010.0	0.0	155.0	11	1010.0	0.0	491.0	12	0.0	430.0	155.0
13	0.0	430.0	491.0	14	465.0	430.0	155.0	15	465.0	430.0	491.0
16	1010.0	430.0	155.0	17	1010.0	430.0	491.0	18	0.0	0.0	0.0

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. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	15	17	6	16	1					
2	Trave	13	15	6	16	1					
3	Trave	7	13	6	16	1					
4	Trave	9	15	6	17	1					
5	Pilas.	6	7	6	15	1					
6	Pilas.	8	9	6	15	1					
7	Pilas.	10	11	6	15	1					
8	Pilas.	12	13	6	15	1					
9	Pilas.	14	15	6	15	1					
10	Pilas.	16	17	6	15	1					
11	Trave	7	9	6	16	1					
12	Trave	9	11	6	16	1					
13	Trave	11	17	6	16	1					
20	Trave f.	18	3	6	19	2				26.00	1.000e+08
21	Trave f.	18	1	6	19	2				26.00	1.000e+08
22	Trave f.	1	2	6	19	2				26.00	1.000e+08
23	Trave f.	2	5	6	19	2				26.00	1.000e+08
24	Trave f.	4	5	6	19	2				26.00	1.000e+08
25	Trave f.	3	4	6	19	2				26.00	1.000e+08
26	Trave f.	1	4	6	19	2				26.00	1.000e+08

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	91	0.0	0.0	-0.19	1.22e-05	-2.52e-06	0.0
1	139	0.0	0.0	-0.13	2.97e-06	0.0	0.0
1	161	0.0	0.0	-0.20	1.52e-05	-2.48e-06	0.0
1	188	0.0	0.0	-0.14	1.00e-05	-3.90e-06	0.0
1	210	0.0	0.0	-0.15	1.61e-05	-2.43e-06	0.0
1	216	0.0	0.0	-0.15	1.59e-05	-3.92e-06	0.0
1	220	0.0	0.0	-0.14	9.22e-06	-2.73e-06	0.0
1	242	0.0	0.0	-0.15	1.21e-05	-1.93e-06	0.0
1	248	0.0	0.0	-0.15	1.20e-05	-2.67e-06	0.0
1	295	0.0	0.0	-0.14	8.81e-06	-1.80e-06	0.0
1	315	0.0	0.0	-0.14	5.27e-06	-1.22e-06	0.0
1	329	0.0	0.0	-0.15	1.08e-05	-1.77e-06	0.0
1	343	0.0	0.0	-0.14	8.63e-06	-1.52e-06	0.0
1	348	0.0	0.0	-0.14	8.50e-06	-1.56e-06	0.0
1	352	0.0	0.0	-0.14	9.06e-06	-1.57e-06	0.0
1	354	0.0	0.0	-0.14	8.50e-06	-1.51e-06	0.0
2	51	0.0	0.0	-0.20	1.36e-05	1.86e-05	0.0
2	169	0.0	0.0	-0.21	2.20e-05	2.02e-05	0.0
2	171	0.0	0.0	-0.21	2.24e-05	2.05e-05	0.0
2	185	0.0	0.0	-0.15	4.99e-06	1.62e-05	0.0
2	204	0.0	0.0	-0.18	2.94e-05	1.87e-05	0.0
2	206	0.0	0.0	-0.19	3.13e-05	2.35e-05	0.0
2	217	0.0	0.0	-0.15	7.41e-06	1.39e-05	0.0
2	236	0.0	0.0	-0.16	1.86e-05	1.48e-05	0.0
2	238	0.0	0.0	-0.16	1.96e-05	1.72e-05	0.0
2	275	0.0	0.0	-0.15	9.77e-06	1.33e-05	0.0
2	333	0.0	0.0	-0.16	1.54e-05	1.43e-05	0.0
2	335	0.0	0.0	-0.16	1.57e-05	1.46e-05	0.0
2	346	0.0	0.0	-0.15	9.27e-06	1.18e-05	0.0
2	352	0.0	0.0	-0.15	1.04e-05	1.21e-05	0.0
2	354	0.0	0.0	-0.15	9.21e-06	1.15e-05	0.0
3	91	0.0	0.0	-0.19	-1.26e-05	-9.59e-06	0.0
3	129	0.0	0.0	-0.20	-2.10e-05	-1.11e-05	0.0
3	131	0.0	0.0	-0.21	-2.14e-05	-1.11e-05	0.0
3	195	0.0	0.0	-0.16	-1.46e-05	-1.55e-05	0.0
3	211	0.0	0.0	-0.18	-3.02e-05	-1.69e-05	0.0
3	213	0.0	0.0	-0.17	-2.83e-05	-1.15e-05	0.0
3	227	0.0	0.0	-0.15	-1.17e-05	-1.03e-05	0.0
3	243	0.0	0.0	-0.16	-1.89e-05	-1.08e-05	0.0
3	245	0.0	0.0	-0.15	-1.79e-05	-8.12e-06	0.0
3	295	0.0	0.0	-0.14	-9.09e-06	-6.84e-06	0.0
3	313	0.0	0.0	-0.15	-1.47e-05	-7.88e-06	0.0
3	315	0.0	0.0	-0.15	-1.49e-05	-7.83e-06	0.0
3	348	0.0	0.0	-0.14	-8.60e-06	-5.56e-06	0.0
3	350	0.0	0.0	-0.14	-9.76e-06	-5.75e-06	0.0
3	354	0.0	0.0	-0.14	-8.53e-06	-5.22e-06	0.0
4	91	0.0	0.0	-0.19	-1.22e-05	-2.52e-06	0.0
4	121	0.0	0.0	-0.20	-1.52e-05	-2.48e-06	0.0

4	179	0.0	0.0	-0.13	-2.97e-06	0.0	0.0
4	195	0.0	0.0	-0.14	-1.00e-05	-3.90e-06	0.0
4	211	0.0	0.0	-0.15	-1.59e-05	-3.92e-06	0.0
4	213	0.0	0.0	-0.15	-1.61e-05	-2.43e-06	0.0
4	227	0.0	0.0	-0.14	-9.22e-06	-2.73e-06	0.0
4	243	0.0	0.0	-0.15	-1.20e-05	-2.67e-06	0.0
4	245	0.0	0.0	-0.15	-1.21e-05	-1.93e-06	0.0
4	295	0.0	0.0	-0.14	-8.81e-06	-1.80e-06	0.0
4	309	0.0	0.0	-0.15	-1.08e-05	-1.77e-06	0.0
4	335	0.0	0.0	-0.14	-5.27e-06	-1.22e-06	0.0
4	343	0.0	0.0	-0.14	-8.63e-06	-1.52e-06	0.0
4	348	0.0	0.0	-0.14	-8.50e-06	-1.56e-06	0.0
4	350	0.0	0.0	-0.14	-9.06e-06	-1.57e-06	0.0
4	354	0.0	0.0	-0.14	-8.50e-06	-1.51e-06	0.0
5	51	0.0	0.0	-0.20	-1.36e-05	1.86e-05	0.0
5	129	0.0	0.0	-0.21	-2.20e-05	2.02e-05	0.0
5	131	0.0	0.0	-0.21	-2.24e-05	2.05e-05	0.0
5	194	0.0	0.0	-0.15	-4.99e-06	1.62e-05	0.0
5	201	0.0	0.0	-0.19	-3.13e-05	2.35e-05	0.0
5	207	0.0	0.0	-0.18	-2.94e-05	1.87e-05	0.0
5	226	0.0	0.0	-0.15	-7.41e-06	1.39e-05	0.0
5	233	0.0	0.0	-0.16	-1.96e-05	1.72e-05	0.0
5	239	0.0	0.0	-0.16	-1.86e-05	1.48e-05	0.0
5	275	0.0	0.0	-0.15	-9.77e-06	1.33e-05	0.0
5	313	0.0	0.0	-0.16	-1.54e-05	1.43e-05	0.0
5	315	0.0	0.0	-0.16	-1.57e-05	1.46e-05	0.0
5	346	0.0	0.0	-0.15	-9.27e-06	1.18e-05	0.0
5	350	0.0	0.0	-0.15	-1.04e-05	1.21e-05	0.0
5	354	0.0	0.0	-0.15	-9.21e-06	1.15e-05	0.0
6	91	-0.53	-0.09	-0.24	7.42e-05	-5.41e-04	0.0
6	171	-0.24	-0.74	-0.26	7.80e-04	-2.35e-04	-4.71e-06
6	188	-1.35	-0.06	-0.20	5.16e-05	-1.47e-03	-1.01e-04
6	216	-0.32	-1.53	-0.22	1.66e-03	-3.24e-04	1.10e-04
6	220	-0.75	-0.06	-0.19	4.92e-05	-8.04e-04	-5.13e-05
6	248	-0.24	-0.76	-0.20	8.21e-04	-2.39e-04	5.56e-05
6	295	-0.36	-0.06	-0.18	5.34e-05	-3.72e-04	0.0
6	335	-0.17	-0.50	-0.19	5.24e-04	-1.67e-04	-3.14e-06
6	348	-0.20	-0.06	-0.17	5.33e-05	-1.97e-04	0.0
6	352	-0.16	-0.15	-0.18	1.47e-04	-1.56e-04	0.0
6	354	-0.16	-0.06	-0.17	5.33e-05	-1.55e-04	0.0
7	91	-1.34	2.50e-04	-0.34	-2.26e-04	4.88e-04	0.0
7	129	-0.18	2.71	-0.30	-2.96e-04	5.01e-04	1.49e-05
7	171	-0.25	-2.70	-0.36	-1.17e-04	5.17e-04	-1.49e-05
7	188	-5.49	-2.15e-03	-0.27	-1.56e-04	9.21e-05	-3.18e-04
7	213	0.55	6.48	-0.17	-4.26e-04	4.04e-04	-3.47e-04
7	216	-0.85	-6.48	-0.31	1.00e-04	3.08e-04	3.47e-04
7	220	-2.79	0.01	-0.26	-1.60e-04	2.26e-04	-1.62e-04
7	245	0.20	3.09	-0.21	-2.88e-04	3.80e-04	-1.76e-04
7	248	-0.50	-3.09	-0.27	-3.75e-05	3.33e-04	1.76e-04
7	295	-0.90	1.79e-04	-0.25	-1.63e-04	3.51e-04	0.0
7	313	-0.13	1.80	-0.22	-2.09e-04	3.59e-04	9.94e-06
7	335	-0.18	-1.80	-0.26	-9.02e-05	3.70e-04	-9.94e-06
7	348	-0.30	1.78e-04	-0.24	-1.63e-04	3.52e-04	0.0
7	350	-0.15	0.36	-0.23	-1.72e-04	3.57e-04	1.97e-06
7	352	-0.15	-0.36	-0.24	-1.48e-04	3.56e-04	-2.01e-06
7	354	-0.15	1.77e-04	-0.24	-1.63e-04	3.56e-04	0.0
8	91	-0.38	-0.08	-0.30	7.22e-05	-4.12e-04	0.0
8	161	-0.14	-0.49	-0.32	5.10e-04	-1.38e-04	-2.69e-06
8	171	-0.13	-0.77	-0.31	8.02e-04	-1.35e-04	-4.48e-06
8	188	-1.34	-0.32	-0.22	3.39e-04	-1.47e-03	-1.03e-04
8	210	0.42	-1.11	-0.23	1.23e-03	4.74e-04	1.12e-04
8	220	-0.71	-0.18	-0.22	1.87e-04	-7.70e-04	-5.25e-05
8	242	0.17	-0.56	-0.23	6.14e-04	1.92e-04	5.70e-05
8	295	-0.26	-0.06	-0.22	5.42e-05	-2.81e-04	0.0
8	329	-0.10	-0.34	-0.23	3.46e-04	-9.78e-05	-1.79e-06
8	335	-0.09	-0.52	-0.23	5.40e-04	-9.59e-05	-2.99e-06
8	343	-0.09	-0.06	-0.22	5.42e-05	-8.83e-05	0.0
8	348	-0.12	-0.06	-0.22	5.42e-05	-1.25e-04	0.0
8	352	-0.09	-0.15	-0.22	1.51e-04	-8.78e-05	0.0
8	354	-0.09	-0.06	-0.22	5.42e-05	-8.68e-05	0.0
9	91	-1.34	-2.02e-05	-0.54	-2.20e-04	1.88e-04	0.0
9	137	-0.11	2.78	-0.35	-2.65e-04	1.32e-04	1.42e-05
9	161	-0.25	-1.67	-0.57	-8.88e-05	2.22e-04	-8.51e-06
9	188	-5.50	-1.24	-0.38	-4.42e-05	9.91e-05	-3.26e-04
9	210	2.01	-5.11	-0.41	3.34e-04	1.62e-04	3.56e-04
9	213	0.55	5.11	-0.36	-6.65e-04	1.52e-04	-3.56e-04
9	220	-2.79	-0.58	-0.38	-1.09e-04	1.22e-04	-1.66e-04

9	242	0.93	-2.44	-0.39	7.32e-05	1.54e-04	1.80e-04
9	245	0.20	2.44	-0.37	-4.04e-04	1.48e-04	-1.81e-04
9	295	-0.91	-3.03e-06	-0.39	-1.65e-04	1.35e-04	0.0
9	313	-0.13	1.85	-0.38	-2.35e-04	1.45e-04	9.45e-06
9	329	-0.18	-1.11	-0.41	-7.77e-05	1.58e-04	-5.67e-06
9	343	-0.15	3.02e-05	-0.39	-1.65e-04	1.48e-04	0.0
9	348	-0.30	2.63e-05	-0.38	-1.65e-04	1.42e-04	0.0
9	350	-0.15	0.37	-0.38	-1.79e-04	1.45e-04	1.89e-06
9	354	-0.15	3.23e-05	-0.38	-1.65e-04	1.45e-04	0.0
10	51	0.60	-0.09	-0.26	7.43e-05	5.84e-04	0.0
10	171	0.30	-0.78	-0.27	8.23e-04	2.64e-04	-4.00e-06
10	185	1.38	0.61	-0.19	-6.81e-04	1.49e-03	1.00e-04
10	206	0.30	-1.61	-0.23	1.75e-03	2.87e-04	-1.47e-04
10	217	0.79	0.26	-0.19	-3.02e-04	8.29e-04	5.12e-05
10	238	0.25	-0.79	-0.21	8.52e-04	2.36e-04	-7.38e-05
10	275	0.41	-0.06	-0.19	5.34e-05	4.03e-04	0.0
10	335	0.21	-0.53	-0.20	5.52e-04	1.89e-04	-2.67e-06
10	346	0.24	-0.06	-0.18	5.34e-05	2.27e-04	0.0
10	352	0.20	-0.15	-0.19	1.53e-04	1.84e-04	0.0
10	354	0.20	-0.06	-0.18	5.34e-05	1.85e-04	0.0
11	91	-1.35	1.13e-04	-0.36	-2.26e-04	-1.03e-03	0.0
11	129	-0.18	2.85	-0.33	-2.95e-04	-9.65e-04	1.27e-05
11	171	-0.25	-2.85	-0.39	-1.15e-04	-1.01e-03	-1.27e-05
11	188	-5.50	-2.95	-0.26	-4.93e-05	-9.86e-04	-3.17e-04
11	206	0.29	-6.83	-0.33	1.08e-04	-6.50e-04	-4.64e-04
11	207	-0.59	6.83	-0.19	-4.34e-04	-7.32e-04	4.64e-04
11	220	-2.80	-1.43	-0.26	-1.08e-04	-8.37e-04	-1.62e-04
11	238	0.06	-3.21	-0.29	-3.55e-05	-6.71e-04	-2.33e-04
11	239	-0.37	3.21	-0.23	-2.90e-04	-7.11e-04	2.33e-04
11	295	-0.91	8.35e-05	-0.26	-1.63e-04	-7.35e-04	0.0
11	313	-0.13	1.90	-0.25	-2.09e-04	-6.92e-04	8.44e-06
11	335	-0.18	-1.90	-0.28	-8.83e-05	-7.23e-04	-8.45e-06
11	348	-0.30	1.18e-04	-0.26	-1.63e-04	-6.94e-04	0.0
11	350	-0.15	0.38	-0.26	-1.72e-04	-6.91e-04	1.70e-06
11	352	-0.16	-0.38	-0.27	-1.48e-04	-6.91e-04	-1.68e-06
11	354	-0.15	1.26e-04	-0.26	-1.63e-04	-6.91e-04	0.0
12	91	-0.53	0.09	-0.24	-7.42e-05	-5.41e-04	0.0
12	131	-0.24	0.74	-0.26	-7.80e-04	-2.35e-04	4.71e-06
12	195	-1.35	0.06	-0.20	-5.16e-05	-1.47e-03	1.01e-04
12	211	-0.32	1.53	-0.22	-1.66e-03	-3.24e-04	-1.10e-04
12	227	-0.75	0.06	-0.19	-4.92e-05	-8.04e-04	5.13e-05
12	243	-0.24	0.76	-0.20	-8.21e-04	-2.39e-04	-5.56e-05
12	295	-0.36	0.06	-0.18	-5.34e-05	-3.72e-04	0.0
12	315	-0.17	0.50	-0.19	-5.24e-04	-1.67e-04	3.14e-06
12	348	-0.20	0.06	-0.17	-5.33e-05	-1.97e-04	0.0
12	350	-0.16	0.15	-0.18	-1.47e-04	-1.56e-04	0.0
12	354	-0.16	0.06	-0.17	-5.33e-05	-1.55e-04	0.0
13	91	-1.34	-2.50e-04	-0.34	2.26e-04	4.88e-04	0.0
13	131	-0.25	2.70	-0.36	1.17e-04	5.17e-04	1.49e-05
13	169	-0.18	-2.71	-0.30	2.96e-04	5.01e-04	-1.49e-05
13	195	-5.49	2.15e-03	-0.27	1.56e-04	9.21e-05	3.18e-04
13	210	0.55	-6.48	-0.17	4.26e-04	4.04e-04	3.47e-04
13	211	-0.85	6.48	-0.31	-1.00e-04	3.08e-04	-3.47e-04
13	227	-2.79	-0.01	-0.26	1.60e-04	2.26e-04	1.62e-04
13	242	0.20	-3.09	-0.21	2.88e-04	3.80e-04	1.76e-04
13	243	-0.50	3.09	-0.27	3.75e-05	3.33e-04	-1.76e-04
13	295	-0.90	-1.79e-04	-0.25	1.63e-04	3.51e-04	0.0
13	315	-0.18	1.80	-0.26	9.02e-05	3.70e-04	9.94e-06
13	333	-0.13	-1.80	-0.22	2.09e-04	3.59e-04	-9.94e-06
13	348	-0.30	-1.78e-04	-0.24	1.63e-04	3.52e-04	0.0
13	350	-0.15	0.36	-0.24	1.48e-04	3.56e-04	2.01e-06
13	352	-0.15	-0.36	-0.23	1.72e-04	3.57e-04	-1.97e-06
13	354	-0.15	-1.77e-04	-0.24	1.63e-04	3.56e-04	0.0
14	91	-0.38	0.08	-0.30	-7.22e-05	-4.12e-04	0.0
14	121	-0.14	0.49	-0.32	-5.10e-04	-1.38e-04	2.69e-06
14	131	-0.13	0.77	-0.31	-8.02e-04	-1.35e-04	4.48e-06
14	195	-1.34	0.32	-0.22	-3.39e-04	-1.47e-03	1.03e-04
14	213	0.42	1.11	-0.23	-1.23e-03	4.74e-04	-1.12e-04
14	227	-0.71	0.18	-0.22	-1.87e-04	-7.70e-04	5.25e-05
14	245	0.17	0.56	-0.23	-6.14e-04	1.92e-04	-5.70e-05
14	295	-0.26	0.06	-0.22	-5.42e-05	-2.81e-04	0.0
14	309	-0.10	0.34	-0.23	-3.46e-04	-9.78e-05	1.79e-06
14	315	-0.09	0.52	-0.23	-5.40e-04	-9.59e-05	2.99e-06
14	343	-0.09	0.06	-0.22	-5.42e-05	-8.83e-05	0.0
14	348	-0.12	0.06	-0.22	-5.42e-05	-1.25e-04	0.0
14	350	-0.09	0.15	-0.22	-1.51e-04	-8.78e-05	0.0
14	354	-0.09	0.06	-0.22	-5.42e-05	-8.68e-05	0.0

15	91	-1.34	2.02e-05	-0.54	2.20e-04	1.88e-04	0.0
15	121	-0.25	1.67	-0.57	8.88e-05	2.22e-04	8.51e-06
15	177	-0.11	-2.78	-0.35	2.65e-04	1.32e-04	-1.42e-05
15	195	-5.50	1.24	-0.38	4.42e-05	9.91e-05	3.26e-04
15	210	0.55	-5.11	-0.36	6.65e-04	1.52e-04	3.56e-04
15	213	2.01	5.11	-0.41	-3.34e-04	1.62e-04	-3.56e-04
15	227	-2.79	0.58	-0.38	1.09e-04	1.22e-04	1.66e-04
15	242	0.20	-2.44	-0.37	4.04e-04	1.48e-04	1.81e-04
15	245	0.93	2.44	-0.39	-7.32e-05	1.54e-04	-1.80e-04
15	295	-0.91	3.03e-06	-0.39	1.65e-04	1.35e-04	0.0
15	309	-0.18	1.11	-0.41	7.77e-05	1.58e-04	5.67e-06
15	333	-0.13	-1.85	-0.38	2.35e-04	1.45e-04	-9.45e-06
15	343	-0.15	-3.02e-05	-0.39	1.65e-04	1.48e-04	0.0
15	348	-0.30	-2.63e-05	-0.38	1.65e-04	1.42e-04	0.0
15	352	-0.15	-0.37	-0.38	1.79e-04	1.45e-04	-1.89e-06
15	354	-0.15	-3.23e-05	-0.38	1.65e-04	1.45e-04	0.0
16	51	0.60	0.09	-0.26	-7.43e-05	5.84e-04	0.0
16	131	0.30	0.78	-0.27	-8.23e-04	2.64e-04	4.00e-06
16	194	1.38	-0.61	-0.19	6.81e-04	1.49e-03	-1.00e-04
16	201	0.30	1.61	-0.23	-1.75e-03	2.87e-04	1.47e-04
16	226	0.79	-0.26	-0.19	3.02e-04	8.29e-04	-5.12e-05
16	233	0.25	0.79	-0.21	-8.52e-04	2.36e-04	7.38e-05
16	275	0.41	0.06	-0.19	-5.34e-05	4.03e-04	0.0
16	315	0.21	0.53	-0.20	-5.52e-04	1.89e-04	2.67e-06
16	346	0.24	0.06	-0.18	-5.34e-05	2.27e-04	0.0
16	350	0.20	0.15	-0.19	-1.53e-04	1.84e-04	0.0
16	354	0.20	0.06	-0.18	-5.34e-05	1.85e-04	0.0
17	91	-1.35	-1.13e-04	-0.36	2.26e-04	-1.03e-03	0.0
17	131	-0.25	2.85	-0.39	1.15e-04	-1.01e-03	1.27e-05
17	169	-0.18	-2.85	-0.33	2.95e-04	-9.65e-04	-1.27e-05
17	195	-5.50	2.95	-0.26	4.93e-05	-9.86e-04	3.17e-04
17	201	0.29	6.83	-0.33	-1.08e-04	-6.50e-04	4.64e-04
17	204	-0.59	-6.83	-0.19	4.34e-04	-7.32e-04	-4.64e-04
17	227	-2.80	1.43	-0.26	1.08e-04	-8.37e-04	1.62e-04
17	233	0.06	3.21	-0.29	3.55e-05	-6.71e-04	2.33e-04
17	236	-0.37	-3.21	-0.23	2.90e-04	-7.11e-04	-2.33e-04
17	295	-0.91	-8.35e-05	-0.26	1.63e-04	-7.35e-04	0.0
17	315	-0.18	1.90	-0.28	8.83e-05	-7.23e-04	8.45e-06
17	333	-0.13	-1.90	-0.25	2.09e-04	-6.92e-04	-8.44e-06
17	348	-0.30	-1.18e-04	-0.26	1.63e-04	-6.94e-04	0.0
17	350	-0.16	0.38	-0.27	1.48e-04	-6.91e-04	1.68e-06
17	352	-0.15	-0.38	-0.26	1.72e-04	-6.91e-04	-1.70e-06
17	354	-0.15	-1.26e-04	-0.26	1.63e-04	-6.91e-04	0.0
18	91	0.0	0.0	-0.19	1.26e-05	-9.59e-06	0.0
18	169	0.0	0.0	-0.20	2.10e-05	-1.11e-05	0.0
18	171	0.0	0.0	-0.21	2.14e-05	-1.11e-05	0.0
18	188	0.0	0.0	-0.16	1.46e-05	-1.55e-05	0.0
18	210	0.0	0.0	-0.17	2.83e-05	-1.15e-05	0.0
18	216	0.0	0.0	-0.18	3.02e-05	-1.69e-05	0.0
18	220	0.0	0.0	-0.15	1.17e-05	-1.03e-05	0.0
18	242	0.0	0.0	-0.15	1.79e-05	-8.12e-06	0.0
18	248	0.0	0.0	-0.16	1.89e-05	-1.08e-05	0.0
18	295	0.0	0.0	-0.14	9.09e-06	-6.84e-06	0.0
18	333	0.0	0.0	-0.15	1.47e-05	-7.88e-06	0.0
18	335	0.0	0.0	-0.15	1.49e-05	-7.83e-06	0.0
18	348	0.0	0.0	-0.14	8.60e-06	-5.56e-06	0.0
18	352	0.0	0.0	-0.14	9.76e-06	-5.75e-06	0.0
18	354	0.0	0.0	-0.14	8.53e-06	-5.22e-06	0.0

Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-5.50	-6.83	-0.57	-1.75e-03	-1.47e-03	-4.64e-04
		2.01	6.83	-0.13	1.75e-03	1.49e-03	4.64e-04

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.
Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.
In particolare viene riportato:

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

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

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.
In particolare viene riportato:

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

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.
Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Elem.	Cmb	Pt ini	Pt fin	Pt max	Cmb	Pt ini	Pt fin	Pt max	Cmb	Pt ini	Pt fin	Pt max

		N/mm2	N/mm2	N/mm2		N/mm2	N/mm2	N/mm2		N/mm2	N/mm2	N/mm2
20	131	-0.05	-0.06	-0.06	213	-0.05	-0.05	-0.05	245	-0.04	-0.04	-0.04
	315	-0.03	-0.04	-0.04	350	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
21	171	-0.06	-0.05	-0.06	213	-0.05	-0.04	-0.05	245	-0.04	-0.04	-0.04
	335	-0.04	-0.04	-0.04	352	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
22	171	-0.05	-0.06	-0.06	205	-0.04	-0.05	-0.05	237	-0.04	-0.05	-0.05
	335	-0.04	-0.04	-0.04	352	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
23	131	-0.05	-0.06	-0.06	201	-0.05	-0.05	-0.05	233	-0.05	-0.05	-0.05
	315	-0.04	-0.04	-0.04	350	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
24	131	-0.05	-0.06	-0.06	201	-0.04	-0.05	-0.05	233	-0.04	-0.05	-0.05
	315	-0.04	-0.04	-0.04	350	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
25	131	-0.06	-0.05	-0.06	209	-0.05	-0.04	-0.05	241	-0.04	-0.04	-0.04
	315	-0.04	-0.04	-0.04	350	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04
26	121	-0.05	-0.05	-0.05	213	-0.04	-0.04	-0.04	245	-0.04	-0.04	-0.04
	309	-0.04	-0.04	-0.04	343	-0.04	-0.04	-0.04	354	-0.04	-0.04	-0.04

Elem.		**Pt ini**	**Pt fin**	**Pt max**		**Pt ini**	**Pt fin**	**Pt max**		**Pt ini**	**Pt fin**	**Pt max**
		-0.06										
		-0.03										

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**

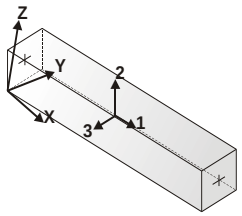
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

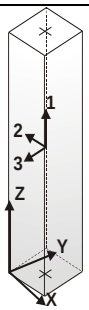
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / 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
5	91	2.59	-0.02	1.01e-03	3.58	0.0	-94.04	-7.00	-1.23	-1.64e-04	-0.02	2.59
		-14.92	-4.16	-8.56e-05	0.0	168.0	-89.13	-5.21	-1.23	-1.64e-04	-2.09	-7.66
						336.0	-84.22	-3.42	-1.23	-1.64e-04	-4.16	-14.92
5	137	0.36	7.26	1.78e-04	0.0	0.0	-54.10	-2.12	7.46	0.05	-4.82	0.36
		-6.77	-4.82	-2.05e-03	-7.73	168.0	-50.32	-2.12	3.60	0.05	4.47	-3.21
						336.0	-46.54	-2.12	-0.27	0.05	7.26	-6.77
5	139	0.39	7.27	1.93e-04	0.0	0.0	-56.98	-2.29	7.46	0.05	-4.82	0.39
		-7.30	-4.82	-2.05e-03	-7.73	168.0	-53.20	-2.29	3.60	0.05	4.47	-3.46
						336.0	-49.42	-2.29	-0.27	0.05	7.27	-7.30
5	161	0.68	3.09	3.38e-04	0.0	0.0	-98.47	-3.66	-5.34	-0.03	3.09	0.68
		-11.62	-10.96	1.17e-03	2.32	168.0	-93.56	-3.66	-4.18	-0.03	-4.91	-5.47
						336.0	-88.64	-3.66	-3.02	-0.03	-10.96	-11.62
5	169	0.62	5.18	3.14e-04	0.0	0.0	-94.80	-3.33	-8.09	-0.05	5.18	0.62
		-10.58	-15.49	1.97e-03	3.87	168.0	-89.88	-3.33	-6.15	-0.05	-6.78	-4.98
						336.0	-84.97	-3.33	-4.22	-0.05	-15.49	-10.58
5	185	18.08	8.11e-03	-4.17e-03	0.0	0.0	-55.01	8.54	-0.94	1.06	8.11e-03	-10.63
		-10.63	-3.14	-6.37e-05	0.0	168.0	-51.23	8.54	-0.94	1.06	-1.57	3.73
						336.0	-47.45	8.54	-0.94	1.06	-3.14	18.08
5	188	11.48	-0.03	4.15e-03	0.0	0.0	-74.47	-13.29	-0.84	-1.06	-0.03	11.48
		-33.16	-2.85	-5.87e-05	0.0	168.0	-70.69	-13.29	-0.84	-1.06	-1.44	-10.84
						336.0	-66.91	-13.29	-0.84	-1.06	-2.85	-33.16
5	210	3.11	13.33	-1.69e-03	0.0	0.0	-76.95	2.16	-14.41	1.16	13.33	-4.14
		-4.14	-35.08	4.96e-03	0.0	168.0	-73.17	2.16	-14.41	1.16	-10.88	-0.51
						336.0	-69.39	2.16	-14.41	1.16	-35.08	3.11
5	211	4.99	29.09	1.72e-03	0.0	0.0	-52.53	-6.90	12.63	-1.16	-13.36	4.99
		-18.20	-13.36	-5.08e-03	0.0	168.0	-48.75	-6.90	12.63	-1.16	7.87	-6.60
						336.0	-44.97	-6.90	12.63	-1.16	29.09	-18.20
5	213	-0.94	29.09	-5.55e-04	0.0	0.0	-47.76	-1.06	12.63	-1.16	-13.35	-0.94
		-4.50	-13.35	-5.08e-03	0.0	168.0	-43.98	-1.06	12.63	-1.16	7.87	-2.72
						336.0	-40.20	-1.06	12.63	-1.16	29.09	-4.50
5	216	1.79	13.32	6.48e-04	0.0	0.0	-81.72	-3.68	-14.40	1.16	13.32	1.79
		-10.59	-35.08	4.96e-03	0.0	168.0	-77.94	-3.68	-14.40	1.16	-10.88	-4.40
						336.0	-74.16	-3.68	-14.40	1.16	-35.08	-10.59
5	220	5.89	-0.05	2.07e-03	0.0	0.0	-69.59	-7.77	-0.84	-0.54	-0.05	5.89
		-20.22	-2.86	-7.03e-05	0.0	168.0	-65.81	-7.77	-0.84	-0.54	-1.46	-7.16
						336.0	-62.03	-7.77	-0.84	-0.54	-2.86	-20.22
5	242	-1.84	6.35	-8.48e-04	0.0	0.0	-70.48	-0.12	-7.34	0.59	6.35	-1.84
		-2.25	-18.30	2.33e-03	0.0	168.0	-66.70	-0.12	-7.34	0.59	-5.97	-2.05
						336.0	-62.92	-0.12	-7.34	0.59	-18.30	-2.25
5	243	2.69	12.31	9.10e-04	0.0	0.0	-59.00	-4.62	5.56	-0.59	-6.38	2.69
		-12.84	-6.38	-2.45e-03	0.0	168.0	-55.22	-4.62	5.56	-0.59	2.97	-5.07
						336.0	-51.44	-4.62	5.56	-0.59	12.31	-12.84
5	245	-0.25	12.30	-2.79e-04	0.0	0.0	-56.62	-1.72	5.56	-0.59	-6.37	-0.25
		-6.04	-6.37	-2.45e-03	0.0	168.0	-52.84	-1.72	5.56	-0.59	2.97	-3.14
						336.0	-49.06	-1.72	5.56	-0.59	12.30	-6.04
5	248	1.10	6.35	4.13e-04	0.0	0.0	-72.85	-3.02	-7.33	0.59	6.35	1.10
		-9.05	-18.30	2.33e-03	0.0	168.0	-69.07	-3.02	-7.33	0.59	-5.97	-3.97
						336.0	-65.29	-3.02	-7.33	0.59	-18.30	-9.05
5	295	1.76	-0.02	6.83e-04	2.38	0.0	-67.71	-4.83	-0.88	-1.10e-04	-0.02	1.76
		-10.48	-2.99	-6.16e-05	0.0	168.0	-63.93	-3.64	-0.88	-1.10e-04	-1.50	-5.36
						336.0	-60.15	-2.45	-0.88	-1.10e-04	-2.99	-10.48
5	313	0.41	3.75	2.04e-04	0.0	0.0	-61.27	-2.35	4.63	0.03	-3.22	0.41
		-7.50	-3.22	-1.39e-03	-5.16	168.0	-57.49	-2.35	2.05	0.03	2.39	-3.55
						336.0	-53.71	-2.35	-0.53	0.03	3.67	-7.50
5	315	0.43	3.75	2.14e-04	0.0	0.0	-63.19	-2.47	4.63	0.03	-3.22	0.43
		-7.86	-3.22	-1.39e-03	-5.16	168.0	-59.41	-2.47	2.05	0.03	2.39	-3.71
						336.0	-55.63	-2.47	-0.53	0.03	3.67	-7.86
5	329	0.48	2.06	2.41e-04	0.0	0.0	-70.66	-2.61	-3.63	-0.02	2.06	0.48
		-8.28	-7.53	7.80e-04	1.55	168.0	-66.88	-2.61	-2.85	-0.02	-3.38	-3.90
						336.0	-63.10	-2.61	-2.08	-0.02	-7.53	-8.28
5	333	0.44	3.45	2.25e-04	0.0	0.0	-68.21	-2.39	-5.46	-0.03	3.45	0.44
		-7.59	-10.55	1.31e-03	2.58	168.0	-64.43	-2.39	-4.17	-0.03	-4.63	-3.57
						336.0	-60.65	-2.39	-2.88	-0.03	-10.55	-7.59
5	343	0.44	-0.01	2.18e-04	0.0	0.0	-65.51	-2.42	-0.89	-8.95e-05	-0.01	0.44
		-7.69	-2.99	-6.13e-05	0.0	168.0	-61.73	-2.42	-0.89	-8.95e-05	-1.50	-3.63
						336.0	-57.95	-2.42	-0.89	-8.95e-05	-2.99	-7.69
5	348	0.69	-0.01	3.01e-04	0.48	0.0	-64.95	-2.84	-0.89	-9.26e-05	-0.01	0.69
		-8.06	-2.99	-6.12e-05	0.0	168.0	-61.17	-2.60	-0.89	-9.26e-05	-1.50	-3.89
						336.0	-57.39	-2.37	-0.89	-9.26e-05	-2.99	-8.06
5	350	0.42	-0.58	2.12e-04	0.0	0.0	-64.04	-2.37	0.21	6.58e-03	-0.65	0.42
		-7.54	-1.66	-3.27e-04	-1.03	168.0	-60.26	-2.37	-0.30	6.58e-03	-0.73	-3.56
						336.0	-56.48	-2.37	-0.82	6.58e-03	-1.66	-7.54
5	352	0.43	0.68	2.16e-04	0.0	0.0	-65.43	-2.38	-1.80	-6.72e-03	0.68	0.43

		-7.55	-4.51	2.73e-04	0.52	168.0	-61.65	-2.38	-1.54	-6.72e-03	-2.13	-3.56
						336.0	-57.87	-2.38	-1.29	-6.72e-03	-4.51	-7.55
5	354	0.43	-0.01	2.14e-04	0.0	0.0	-64.74	-2.37	-0.89	-8.88e-05	-0.01	0.43
		-7.54	-3.00	-6.12e-05	0.0	168.0	-60.96	-2.37	-0.89	-8.88e-05	-1.50	-3.56
						336.0	-57.18	-2.37	-0.89	-8.88e-05	-3.00	-7.54
6	91	2.91	-0.02	9.95e-04	0.0	0.0	-224.92	-4.21	-1.20	-4.35e-05	-0.02	2.91
		-11.24	-4.05	-8.30e-05	0.0	168.0	-220.01	-4.21	-1.20	-4.35e-05	-2.04	-4.17
						336.0	-215.09	-4.21	-1.20	-4.35e-05	-4.05	-11.24
6	137	0.28	6.31	1.10e-04	0.0	0.0	-140.00	-1.00	10.18	0.05	-4.05	0.28
		-3.10	-4.05	-2.02e-03	-16.80	168.0	-136.22	-1.00	1.78	0.05	6.00	-1.41
						336.0	-132.44	-1.00	-6.62	0.05	1.94	-3.10
6	161	0.61	2.90	2.27e-04	0.0	0.0	-236.83	-1.85	-5.88	-0.03	2.90	0.61
		-5.60	-8.41	1.18e-03	5.04	168.0	-231.92	-1.85	-3.36	-0.03	-4.87	-2.50
						336.0	-227.00	-1.85	-0.84	-0.03	-8.41	-5.60
6	169	0.58	4.86	2.15e-04	0.0	0.0	-218.32	-1.71	-9.01	-0.05	4.86	0.58
		-5.17	-11.32	2.01e-03	8.40	168.0	-213.40	-1.71	-4.81	-0.05	-6.76	-2.30
						336.0	-208.49	-1.71	-0.62	-0.05	-11.32	-5.17
6	185	26.22	1.78	-4.02e-03	0.0	0.0	-155.35	11.03	1.29	1.09	-2.56	-10.85
		-10.85	-2.56	-1.05e-03	0.0	168.0	-151.57	11.03	1.29	1.09	-0.39	7.69
						336.0	-147.79	11.03	1.29	1.09	1.78	26.22
6	188	11.59	2.54	4.15e-03	0.0	0.0	-156.23	-13.39	-3.09	-1.09	2.54	11.59
		-33.41	-7.86	9.23e-04	0.0	168.0	-152.45	-13.39	-3.09	-1.09	-2.66	-10.91
						336.0	-148.67	-13.39	-3.09	-1.09	-7.86	-33.41
6	210	8.53	10.48	-1.59e-03	0.0	0.0	-163.78	3.79	-9.94	1.19	10.48	-4.19
		-4.19	-22.91	4.00e-03	0.0	168.0	-160.00	3.79	-9.94	1.19	-6.21	2.17
						336.0	-156.22	3.79	-9.94	1.19	-22.91	8.53
6	211	4.93	16.82	1.73e-03	0.0	0.0	-147.80	-6.15	8.13	-1.19	-10.50	4.93
		-15.71	-10.50	-4.12e-03	0.0	168.0	-144.02	-6.15	8.13	-1.19	3.16	-5.39
						336.0	-140.24	-6.15	8.13	-1.19	16.82	-15.71
6	213	0.28	16.82	-4.71e-04	0.0	0.0	-148.61	0.41	8.13	-1.19	-10.50	-1.09
		-1.09	-10.50	-4.12e-03	0.0	168.0	-144.83	0.41	8.13	-1.19	3.16	-0.40
						336.0	-141.05	0.41	8.13	-1.19	16.82	0.28
6	216	1.83	10.48	6.32e-04	0.0	0.0	-162.97	-2.77	-9.94	1.19	10.48	1.83
		-7.47	-22.91	4.00e-03	0.0	168.0	-159.19	-2.77	-9.94	1.19	-6.21	-2.82
						336.0	-155.41	-2.77	-9.94	1.19	-22.91	-7.47
6	217	11.15	-0.78	-1.96e-03	0.0	0.0	-155.61	4.86	0.12	0.56	-1.20	-5.18
		-5.18	-1.20	-5.23e-04	0.0	168.0	-151.83	4.86	0.12	0.56	-0.99	2.99
						336.0	-148.05	4.86	0.12	0.56	-0.78	11.15
6	220	5.92	1.18	2.09e-03	0.0	0.0	-155.97	-7.22	-1.93	-0.56	1.18	5.92
		-18.34	-5.30	4.25e-04	0.0	168.0	-152.19	-7.22	-1.93	-0.56	-2.06	-6.21
						336.0	-148.41	-7.22	-1.93	-0.56	-5.30	-18.34
6	242	2.43	5.00	-7.59e-04	0.0	0.0	-159.61	1.29	-5.22	0.60	5.00	-1.90
		-1.90	-12.53	1.88e-03	0.0	168.0	-155.83	1.29	-5.22	0.60	-3.76	0.27
						336.0	-152.05	1.29	-5.22	0.60	-12.53	2.43
6	243	2.64	6.44	9.11e-04	0.0	0.0	-151.97	-3.65	3.41	-0.60	-5.02	2.64
		-9.62	-5.02	-2.00e-03	0.0	168.0	-148.19	-3.65	3.41	-0.60	0.71	-3.49
						336.0	-144.41	-3.65	3.41	-0.60	6.44	-9.62
6	245	-0.35	6.44	-1.99e-04	0.0	0.0	-152.37	-0.40	3.41	-0.60	-5.02	-0.35
		-1.68	-5.02	-2.00e-03	0.0	168.0	-148.59	-0.40	3.41	-0.60	0.71	-1.01
						336.0	-144.81	-0.40	3.41	-0.60	6.44	-1.68
6	248	1.09	5.00	3.72e-04	0.0	0.0	-159.21	-1.96	-5.22	0.60	5.00	1.09
		-5.51	-12.53	1.88e-03	0.0	168.0	-155.43	-1.96	-5.22	0.60	-3.76	-2.21
						336.0	-151.65	-1.96	-5.22	0.60	-12.53	-5.51
6	295	1.96	-0.01	6.71e-04	0.0	0.0	-161.82	-2.89	-0.90	-2.99e-05	-0.01	1.96
		-7.75	-3.04	-6.21e-05	0.0	168.0	-158.04	-2.89	-0.90	-2.99e-05	-1.53	-2.89
						336.0	-154.26	-2.89	-0.90	-2.99e-05	-3.04	-7.75
6	313	0.33	3.53	1.30e-04	0.0	0.0	-154.17	-1.14	6.47	0.03	-2.71	0.33
		-3.49	-2.71	-1.37e-03	-11.20	168.0	-150.39	-1.14	0.87	0.03	3.46	-1.58
						336.0	-146.61	-1.14	-4.73	0.03	0.22	-3.49
6	329	0.43	1.93	1.62e-04	0.0	0.0	-169.76	-1.31	-4.03	-0.02	1.93	0.43
		-3.99	-5.95	7.86e-04	3.36	168.0	-165.98	-1.31	-2.35	-0.02	-3.42	-1.78
						336.0	-162.20	-1.31	-0.67	-0.02	-5.95	-3.99
6	333	0.41	3.24	1.53e-04	0.0	0.0	-157.41	-1.22	-6.11	-0.03	3.24	0.41
		-3.70	-7.89	1.33e-03	5.60	168.0	-153.63	-1.22	-3.31	-0.03	-4.68	-1.64
						336.0	-149.85	-1.22	-0.51	-0.03	-7.89	-3.70
6	343	0.38	-0.01	1.44e-04	0.0	0.0	-158.39	-1.20	-0.90	-1.93e-05	-0.01	0.38
		-3.66	-3.04	-6.20e-05	0.0	168.0	-154.61	-1.20	-0.90	-1.93e-05	-1.53	-1.64
						336.0	-150.83	-1.20	-0.90	-1.93e-05	-3.04	-3.66
6	348	0.69	-0.01	2.38e-04	0.0	0.0	-155.70	-1.51	-0.90	-2.11e-05	-0.01	0.69
		-4.39	-3.04	-6.19e-05	0.0	168.0	-151.92	-1.51	-0.90	-2.11e-05	-1.53	-1.85
						336.0	-148.14	-1.51	-0.90	-2.11e-05	-3.04	-4.39
6	350	0.36	-0.30	1.39e-04	0.0	0.0	-155.47	-1.17	0.57	6.31e-03	-0.55	0.36
		-3.57	-2.39	-3.23e-04	-2.24	168.0	-151.69	-1.17	-0.55	6.31e-03	-0.53	-1.60
						336.0	-147.91	-1.17	-1.67	6.31e-03	-2.39	-3.57
6	352	0.38	0.64	1.44e-04	0.0	0.0	-156.11	-1.19	-1.94	-6.34e-03	0.64	0.38
		-3.61	-4.01	2.74e-04	1.12	168.0	-152.33	-1.19	-1.38	-6.34e-03	-2.16	-1.62
						336.0	-148.55	-1.19	-0.82	-6.34e-03	-4.01	-3.61

6	354	0.37	-0.01	1.41e-04	0.0	0.0	-155.79	-1.18	-0.90	-1.91e-05	-0.01	0.37
		-3.59	-3.04	-6.19e-05	0.0	168.0	-152.01	-1.18	-0.90	-1.91e-05	-1.53	-1.61
						336.0	-148.23	-1.18	-0.90	-1.91e-05	-3.04	-3.59
7	51	21.46	-0.03	-8.70e-04	-3.58	0.0	-110.43	8.70	-1.23	1.05e-04	-0.03	-1.78
		-1.78	-4.15	-8.63e-05	0.0	168.0	-105.51	6.92	-1.23	1.05e-04	-2.09	11.34
						336.0	-100.60	5.13	-1.23	1.05e-04	-4.15	21.46
7	57	14.72	-0.02	-7.86e-04	-3.58	0.0	-70.92	6.72	-0.80	6.26e-05	-0.02	-1.85
		-1.85	-2.72	-5.65e-05	0.0	168.0	-67.14	4.93	-0.80	6.26e-05	-1.37	7.94
						336.0	-63.36	3.14	-0.80	6.26e-05	-2.72	14.72
7	137	11.16	7.52	3.00e-04	0.0	0.0	-64.41	3.32	8.22	0.04	-4.99	0.01
		0.01	-4.99	-2.14e-03	-9.06	168.0	-60.63	3.32	3.68	0.04	5.01	5.59
						336.0	-56.85	3.32	-0.85	0.04	7.39	11.16
7	139	12.01	7.52	3.24e-04	0.0	0.0	-68.07	3.57	8.22	0.04	-4.99	0.02
		0.02	-4.99	-2.14e-03	-9.06	168.0	-64.29	3.57	3.69	0.04	5.01	6.01
						336.0	-60.51	3.57	-0.85	0.04	7.39	12.01
7	161	18.37	3.22	5.63e-04	0.0	0.0	-115.93	5.39	-5.65	-0.03	3.22	0.25
		0.25	-11.20	1.23e-03	2.72	168.0	-111.02	5.39	-4.29	-0.03	-5.13	9.31
						336.0	-106.10	5.39	-2.93	-0.03	-11.20	18.37
7	169	16.59	5.40	5.24e-04	0.0	0.0	-110.69	4.85	-8.61	-0.04	5.40	0.29
		0.29	-15.90	2.07e-03	4.53	168.0	-105.78	4.85	-6.34	-0.04	-7.15	8.44
						336.0	-100.87	4.85	-4.08	-0.04	-15.90	16.59
7	185	37.15	11.73	-3.86e-03	0.0	0.0	-77.35	14.32	5.31	1.06	-6.11	-10.95
		-10.95	-6.11	-2.34e-03	0.0	168.0	-73.57	14.32	5.31	1.06	2.81	13.10
						336.0	-69.79	14.32	5.31	1.06	11.73	37.15
7	188	11.21	6.07	4.53e-03	0.0	0.0	-74.92	-7.21	-7.08	-1.06	6.07	11.21
		-13.02	-17.71	2.22e-03	0.0	168.0	-71.14	-7.21	-7.08	-1.06	-5.82	-0.91
						336.0	-67.36	-7.21	-7.08	-1.06	-17.71	-13.02
7	201	23.78	30.92	-1.69e-03	0.0	0.0	-63.09	8.56	13.40	1.55	-14.08	-4.99
		-4.99	-14.08	-5.35e-03	0.0	168.0	-59.31	8.56	13.40	1.55	8.42	9.39
						336.0	-55.53	8.56	13.40	1.55	30.92	23.78
7	204	5.25	14.05	2.25e-03	0.0	0.0	-89.18	-1.46	-15.16	-1.55	14.05	5.25
		0.36	-36.90	5.22e-03	0.0	168.0	-85.40	-1.46	-15.16	-1.55	-11.43	2.80
						336.0	-81.62	-1.46	-15.16	-1.55	-36.90	0.36
7	206	13.72	14.04	-3.92e-04	0.0	0.0	-93.17	4.28	-15.16	-1.55	14.04	-0.68
		-0.68	-36.90	5.22e-03	0.0	168.0	-89.39	4.28	-15.16	-1.55	-11.43	6.52
						336.0	-85.61	4.28	-15.16	-1.55	-36.90	13.72
7	207	10.41	30.92	7.00e-04	0.0	0.0	-59.10	2.82	13.39	1.55	-14.08	0.94
		0.94	-14.08	-5.34e-03	0.0	168.0	-55.32	2.82	13.39	1.55	8.42	5.67
						336.0	-51.54	2.82	13.39	1.55	30.92	10.41
7	217	24.47	4.13	-1.84e-03	0.0	0.0	-76.92	8.87	2.11	0.54	-2.96	-5.35
		-5.35	-2.96	-1.16e-03	0.0	168.0	-73.14	8.87	2.11	0.54	0.58	9.56
						336.0	-69.36	8.87	2.11	0.54	4.13	24.47
7	233	17.87	12.96	-8.63e-04	0.0	0.0	-70.09	6.03	5.83	0.78	-6.63	-2.41
		-2.41	-6.63	-2.55e-03	0.0	168.0	-66.31	6.03	5.83	0.78	3.16	7.73
						336.0	-62.53	6.03	5.83	0.78	12.96	17.87
7	236	6.26	6.60	1.30e-03	0.0	0.0	-82.18	1.07	-7.60	-0.78	6.60	2.67
		2.67	-18.94	2.42e-03	0.0	168.0	-78.40	1.07	-7.60	-0.78	-6.17	4.46
						336.0	-74.62	1.07	-7.60	-0.78	-18.94	6.26
7	238	12.90	6.59	-2.86e-04	0.0	0.0	-84.16	3.92	-7.60	-0.78	6.59	-0.27
		-0.27	-18.94	2.42e-03	0.0	168.0	-80.38	3.92	-7.60	-0.78	-6.17	6.31
						336.0	-76.60	3.92	-7.60	-0.78	-18.94	12.90
7	239	11.24	12.96	5.28e-04	0.0	0.0	-68.10	3.18	5.83	0.78	-6.63	0.54
		0.54	-6.63	-2.55e-03	0.0	168.0	-64.32	3.18	5.83	0.78	3.16	5.89
						336.0	-60.54	3.18	5.83	0.78	12.96	11.24
7	273	14.59	-0.02	-5.83e-04	-2.38	0.0	-76.99	5.89	-0.88	6.80e-05	-0.02	-1.18
		-1.18	-2.99	-6.19e-05	0.0	168.0	-73.21	4.69	-0.88	6.80e-05	-1.50	7.71
						336.0	-69.43	3.50	-0.88	6.80e-05	-2.99	14.59
7	275	15.16	-0.02	-5.90e-04	-2.38	0.0	-79.44	6.05	-0.88	6.88e-05	-0.02	-1.18
		-1.18	-2.99	-6.21e-05	0.0	168.0	-75.66	4.86	-0.88	6.88e-05	-1.51	7.99
						336.0	-71.88	3.67	-0.88	6.88e-05	-2.99	15.16
7	313	12.22	3.98	3.42e-04	0.0	0.0	-72.65	3.62	5.13	0.03	-3.33	0.06
		0.06	-3.33	-1.45e-03	-6.04	168.0	-68.87	3.62	2.11	0.03	2.75	6.14
						336.0	-65.09	3.62	-0.91	0.03	3.75	12.22
7	315	12.78	3.98	3.58e-04	0.0	0.0	-75.09	3.79	5.13	0.03	-3.34	0.06
		0.06	-3.34	-1.45e-03	-6.04	168.0	-71.31	3.79	2.11	0.03	2.75	6.42
						336.0	-67.53	3.79	-0.91	0.03	3.75	12.78
7	329	13.10	2.15	4.01e-04	0.0	0.0	-83.11	3.85	-3.83	-0.02	2.15	0.18
		0.18	-7.69	8.19e-04	1.81	168.0	-79.33	3.85	-2.93	-0.02	-3.53	6.64
						336.0	-75.55	3.85	-2.02	-0.02	-7.69	13.10
7	333	11.91	3.60	3.75e-04	0.0	0.0	-79.61	3.49	-5.80	-0.03	3.60	0.20
		0.20	-10.82	1.38e-03	3.02	168.0	-75.83	3.49	-4.29	-0.03	-4.88	6.06
						336.0	-72.05	3.49	-2.78	-0.03	-10.82	11.91
7	343	12.29	-0.02	3.65e-04	0.0	0.0	-77.11	3.62	-0.88	5.46e-05	-0.02	0.13
		0.13	-2.99	-6.17e-05	0.0	168.0	-73.33	3.62	-0.88	5.46e-05	-1.50	6.21
						336.0	-69.55	3.62	-0.88	5.46e-05	-2.99	12.29
7	346	12.57	-0.02	-2.61e-04	-0.48	0.0	-76.30	4.02	-0.88	5.70e-05	-0.02	-0.13
		-0.13	-2.99	-6.17e-05	0.0	168.0	-72.52	3.78	-0.88	5.70e-05	-1.50	6.42

						336.0	-68.74	3.54	-0.88	5.70e-05	-2.99	12.57
7	350	12.10	-0.54	3.55e-04	0.0	0.0	-75.44	3.57	0.32	5.69e-03	-0.68	0.12
		0.12	-1.64	-3.40e-04	-1.21	168.0	-71.66	3.57	-0.29	5.69e-03	-0.65	6.11
						336.0	-67.88	3.57	-0.89	5.69e-03	-1.64	12.10
7	352	12.03	0.70	3.62e-04	0.0	0.0	-76.83	3.54	-1.87	-5.61e-03	0.70	0.14
		0.14	-4.56	2.85e-04	0.60	168.0	-73.05	3.54	-1.57	-5.61e-03	-2.18	6.09
						336.0	-69.27	3.54	-1.26	-5.61e-03	-4.56	12.03
7	354	12.07	-0.02	3.58e-04	0.0	0.0	-76.13	3.55	-0.88	5.42e-05	-0.02	0.13
		0.13	-2.99	-6.16e-05	0.0	168.0	-72.35	3.55	-0.88	5.42e-05	-1.50	6.10
						336.0	-68.57	3.55	-0.88	5.42e-05	-2.99	12.07
8	91	2.59	4.16	1.01e-03	3.58	0.0	-94.04	-7.00	1.23	1.64e-04	0.02	2.59
		-14.92	0.02	8.56e-05	0.0	168.0	-89.13	-5.21	1.23	1.64e-04	2.09	-7.66
						336.0	-84.22	-3.42	1.23	1.64e-04	4.16	-14.92
8	121	0.68	10.96	3.38e-04	0.0	0.0	-98.47	-3.66	5.34	0.03	-3.09	0.68
		-11.62	-3.09	-1.17e-03	-2.32	168.0	-93.56	-3.66	4.18	0.03	4.91	-5.47
						336.0	-88.64	-3.66	3.02	0.03	10.96	-11.62
8	129	0.62	15.49	3.14e-04	0.0	0.0	-94.80	-3.33	8.09	0.05	-5.18	0.62
		-10.58	-5.18	-1.97e-03	-3.87	168.0	-89.88	-3.33	6.15	0.05	6.78	-4.98
						336.0	-84.97	-3.33	4.22	0.05	15.49	-10.58
8	177	0.36	4.82	1.78e-04	0.0	0.0	-54.10	-2.12	-7.46	-0.05	4.82	0.36
		-6.77	-7.26	2.05e-03	7.73	168.0	-50.32	-2.12	-3.60	-0.05	-4.47	-3.21
						336.0	-46.54	-2.12	0.27	-0.05	-7.26	-6.77
8	179	0.39	4.82	1.93e-04	0.0	0.0	-56.98	-2.29	-7.46	-0.05	4.82	0.39
		-7.30	-7.27	2.05e-03	7.73	168.0	-53.20	-2.29	-3.60	-0.05	-4.47	-3.46
						336.0	-49.42	-2.29	0.27	-0.05	-7.27	-7.30
8	194	18.08	3.14	-4.17e-03	0.0	0.0	-55.01	8.54	0.94	-1.06	-8.11e-03	-10.63
		-10.63	-8.11e-03	6.37e-05	0.0	168.0	-51.23	8.54	0.94	-1.06	1.57	3.73
						336.0	-47.45	8.54	0.94	-1.06	3.14	18.08
8	195	11.48	2.85	4.15e-03	0.0	0.0	-74.47	-13.29	0.84	1.06	0.03	11.48
		-33.16	0.03	5.87e-05	0.0	168.0	-70.69	-13.29	0.84	1.06	1.44	-10.84
						336.0	-66.91	-13.29	0.84	1.06	2.85	-33.16
8	210	-0.94	13.35	-5.55e-04	0.0	0.0	-47.76	-1.06	-12.63	1.16	13.35	-0.94
		-4.50	-29.09	5.08e-03	0.0	168.0	-43.98	-1.06	-12.63	1.16	-7.87	-2.72
						336.0	-40.20	-1.06	-12.63	1.16	-29.09	-4.50
8	211	1.79	35.08	6.48e-04	0.0	0.0	-81.72	-3.68	14.40	-1.16	-13.32	1.79
		-10.59	-13.32	-4.96e-03	0.0	168.0	-77.94	-3.68	14.40	-1.16	10.88	-4.40
						336.0	-74.16	-3.68	14.40	-1.16	35.08	-10.59
8	213	3.11	35.08	-1.69e-03	0.0	0.0	-76.95	2.16	14.41	-1.16	-13.33	-4.14
		-4.14	-13.33	-4.96e-03	0.0	168.0	-73.17	2.16	14.41	-1.16	10.88	-0.51
						336.0	-69.39	2.16	14.41	-1.16	35.08	3.11
8	216	4.99	13.36	1.72e-03	0.0	0.0	-52.53	-6.90	-12.63	1.16	13.36	4.99
		-18.20	-29.09	5.08e-03	0.0	168.0	-48.75	-6.90	-12.63	1.16	-7.87	-6.60
						336.0	-44.97	-6.90	-12.63	1.16	-29.09	-18.20
8	227	5.89	2.86	2.07e-03	0.0	0.0	-69.59	-7.77	0.84	0.54	0.05	5.89
		-20.22	0.05	7.03e-05	0.0	168.0	-65.81	-7.77	0.84	0.54	1.46	-7.16
						336.0	-62.03	-7.77	0.84	0.54	2.86	-20.22
8	242	-0.25	6.37	-2.79e-04	0.0	0.0	-56.62	-1.72	-5.56	0.59	6.37	-0.25
		-6.04	-12.30	2.45e-03	0.0	168.0	-52.84	-1.72	-5.56	0.59	-2.97	-3.14
						336.0	-49.06	-1.72	-5.56	0.59	-12.30	-6.04
8	243	1.10	18.30	4.13e-04	0.0	0.0	-72.85	-3.02	7.33	-0.59	-6.35	1.10
		-9.05	-6.35	-2.33e-03	0.0	168.0	-69.07	-3.02	7.33	-0.59	5.97	-3.97
						336.0	-65.29	-3.02	7.33	-0.59	18.30	-9.05
8	245	-1.84	18.30	-8.48e-04	0.0	0.0	-70.48	-0.12	7.34	-0.59	-6.35	-1.84
		-2.25	-6.35	-2.33e-03	0.0	168.0	-66.70	-0.12	7.34	-0.59	5.97	-2.05
						336.0	-62.92	-0.12	7.34	-0.59	18.30	-2.25
8	248	2.69	6.38	9.10e-04	0.0	0.0	-59.00	-4.62	-5.56	0.59	6.38	2.69
		-12.84	-12.31	2.45e-03	0.0	168.0	-55.22	-4.62	-5.56	0.59	-2.97	-5.07
						336.0	-51.44	-4.62	-5.56	0.59	-12.31	-12.84
8	295	1.76	2.99	6.83e-04	2.38	0.0	-67.71	-4.83	0.88	1.10e-04	0.02	1.76
		-10.48	0.02	6.16e-05	0.0	168.0	-63.93	-3.64	0.88	1.10e-04	1.50	-5.36
						336.0	-60.15	-2.45	0.88	1.10e-04	2.99	-10.48
8	309	0.48	7.53	2.41e-04	0.0	0.0	-70.66	-2.61	3.63	0.02	-2.06	0.48
		-8.28	-2.06	-7.80e-04	-1.55	168.0	-66.88	-2.61	2.85	0.02	3.38	-3.90
						336.0	-63.10	-2.61	2.08	0.02	7.53	-8.28
8	313	0.44	10.55	2.25e-04	0.0	0.0	-68.21	-2.39	5.46	0.03	-3.45	0.44
		-7.59	-3.45	-1.31e-03	-2.58	168.0	-64.43	-2.39	4.17	0.03	4.63	-3.57
						336.0	-60.65	-2.39	2.88	0.03	10.55	-7.59
8	333	0.41	3.22	2.04e-04	0.0	0.0	-61.27	-2.35	-4.63	-0.03	3.22	0.41
		-7.50	-3.75	1.39e-03	5.16	168.0	-57.49	-2.35	-2.05	-0.03	-2.39	-3.55
						336.0	-53.71	-2.35	0.53	-0.03	-3.67	-7.50
8	335	0.43	3.22	2.14e-04	0.0	0.0	-63.19	-2.47	-4.63	-0.03	3.22	0.43
		-7.86	-3.75	1.39e-03	5.16	168.0	-59.41	-2.47	-2.05	-0.03	-2.39	-3.71
						336.0	-55.63	-2.47	0.53	-0.03	-3.67	-7.86
8	343	0.44	2.99	2.18e-04	0.0	0.0	-65.51	-2.42	0.89	8.95e-05	0.01	0.44
		-7.69	0.01	6.13e-05	0.0	168.0	-61.73	-2.42	0.89	8.95e-05	1.50	-3.63
						336.0	-57.95	-2.42	0.89	8.95e-05	2.99	-7.69
8	348	0.69	2.99	3.01e-04	0.48	0.0	-64.95	-2.84	0.89	9.26e-05	0.01	0.69

		-8.06	0.01	6.12e-05	0.0	168.0	-61.17	-2.60	0.89	9.26e-05	1.50	-3.89
						336.0	-57.39	-2.37	0.89	9.26e-05	2.99	-8.06
8	350	0.43	4.51	2.16e-04	0.0	0.0	-65.43	-2.38	1.80	6.72e-03	-0.68	0.43
		-7.55	-0.68	-2.73e-04	-0.52	168.0	-61.65	-2.38	1.54	6.72e-03	2.13	-3.56
						336.0	-57.87	-2.38	1.29	6.72e-03	4.51	-7.55
8	352	0.42	1.66	2.12e-04	0.0	0.0	-64.04	-2.37	-0.21	-6.58e-03	0.65	0.42
		-7.54	0.58	3.27e-04	1.03	168.0	-60.26	-2.37	0.30	-6.58e-03	0.73	-3.56
						336.0	-56.48	-2.37	0.82	-6.58e-03	1.66	-7.54
8	354	0.43	3.00	2.14e-04	0.0	0.0	-64.74	-2.37	0.89	8.88e-05	0.01	0.43
		-7.54	0.01	6.12e-05	0.0	168.0	-60.96	-2.37	0.89	8.88e-05	1.50	-3.56
						336.0	-57.18	-2.37	0.89	8.88e-05	3.00	-7.54
9	91	2.91	4.05	9.95e-04	0.0	0.0	-224.92	-4.21	1.20	4.35e-05	0.02	2.91
		-11.24	0.02	8.30e-05	0.0	168.0	-220.01	-4.21	1.20	4.35e-05	2.04	-4.17
						336.0	-215.09	-4.21	1.20	4.35e-05	4.05	-11.24
9	121	0.61	8.41	2.27e-04	0.0	0.0	-236.83	-1.85	5.88	0.03	-2.90	0.61
		-5.60	-2.90	-1.18e-03	-5.04	168.0	-231.92	-1.85	3.36	0.03	4.87	-2.50
						336.0	-227.00	-1.85	0.84	0.03	8.41	-5.60
9	129	0.58	11.32	2.15e-04	0.0	0.0	-218.32	-1.71	9.01	0.05	-4.86	0.58
		-5.17	-4.86	-2.01e-03	-8.40	168.0	-213.40	-1.71	4.81	0.05	6.76	-2.30
						336.0	-208.49	-1.71	0.62	0.05	11.32	-5.17
9	177	0.28	4.05	1.10e-04	0.0	0.0	-140.00	-1.00	-10.18	-0.05	4.05	0.28
		-3.10	-6.31	2.02e-03	16.80	168.0	-136.22	-1.00	-1.78	-0.05	-6.00	-1.41
						336.0	-132.44	-1.00	6.62	-0.05	-1.94	-3.10
9	194	26.22	2.56	-4.02e-03	0.0	0.0	-155.35	11.03	-1.29	-1.09	2.56	-10.85
		-10.85	-1.78	1.05e-03	0.0	168.0	-151.57	11.03	-1.29	-1.09	0.39	7.69
						336.0	-147.79	11.03	-1.29	-1.09	-1.78	26.22
9	195	11.59	7.86	4.15e-03	0.0	0.0	-156.23	-13.39	3.09	1.09	-2.54	11.59
		-33.41	-2.54	-9.23e-04	0.0	168.0	-152.45	-13.39	3.09	1.09	2.66	-10.91
						336.0	-148.67	-13.39	3.09	1.09	7.86	-33.41
9	210	0.28	10.50	-4.71e-04	0.0	0.0	-148.61	0.41	-8.13	1.19	10.50	-1.09
		-1.09	-16.82	4.12e-03	0.0	168.0	-144.83	0.41	-8.13	1.19	-3.16	-0.40
						336.0	-141.05	0.41	-8.13	1.19	-16.82	0.28
9	211	1.83	22.91	6.32e-04	0.0	0.0	-162.97	-2.77	9.94	-1.19	-10.48	1.83
		-7.47	-10.48	-4.00e-03	0.0	168.0	-159.19	-2.77	9.94	-1.19	6.21	-2.82
						336.0	-155.41	-2.77	9.94	-1.19	22.91	-7.47
9	213	8.53	22.91	-1.59e-03	0.0	0.0	-163.78	3.79	9.94	-1.19	-10.48	-4.19
		-4.19	-10.48	-4.00e-03	0.0	168.0	-160.00	3.79	9.94	-1.19	6.21	2.17
						336.0	-156.22	3.79	9.94	-1.19	22.91	8.53
9	216	4.93	10.50	1.73e-03	0.0	0.0	-147.80	-6.15	-8.13	1.19	10.50	4.93
		-15.71	-16.82	4.12e-03	0.0	168.0	-144.02	-6.15	-8.13	1.19	-3.16	-5.39
						336.0	-140.24	-6.15	-8.13	1.19	-16.82	-15.71
9	226	11.15	1.20	-1.96e-03	0.0	0.0	-155.61	4.86	-0.12	-0.56	1.20	-5.18
		-5.18	0.78	5.23e-04	0.0	168.0	-151.83	4.86	-0.12	-0.56	0.99	2.99
						336.0	-148.05	4.86	-0.12	-0.56	0.78	11.15
9	227	5.92	5.30	2.09e-03	0.0	0.0	-155.97	-7.22	1.93	0.56	-1.18	5.92
		-18.34	-1.18	-4.25e-04	0.0	168.0	-152.19	-7.22	1.93	0.56	2.06	-6.21
						336.0	-148.41	-7.22	1.93	0.56	5.30	-18.34
9	242	-0.35	5.02	-1.99e-04	0.0	0.0	-152.37	-0.40	-3.41	0.60	5.02	-0.35
		-1.68	-6.44	2.00e-03	0.0	168.0	-148.59	-0.40	-3.41	0.60	-0.71	-1.01
						336.0	-144.81	-0.40	-3.41	0.60	-6.44	-1.68
9	243	1.09	12.53	3.72e-04	0.0	0.0	-159.21	-1.96	5.22	-0.60	-5.00	1.09
		-5.51	-5.00	-1.88e-03	0.0	168.0	-155.43	-1.96	5.22	-0.60	3.76	-2.21
						336.0	-151.65	-1.96	5.22	-0.60	12.53	-5.51
9	245	2.43	12.53	-7.59e-04	0.0	0.0	-159.61	1.29	5.22	-0.60	-5.00	-1.90
		-1.90	-5.00	-1.88e-03	0.0	168.0	-155.83	1.29	5.22	-0.60	3.76	0.27
						336.0	-152.05	1.29	5.22	-0.60	12.53	2.43
9	248	2.64	5.02	9.11e-04	0.0	0.0	-151.97	-3.65	-3.41	0.60	5.02	2.64
		-9.62	-6.44	2.00e-03	0.0	168.0	-148.19	-3.65	-3.41	0.60	-0.71	-3.49
						336.0	-144.41	-3.65	-3.41	0.60	-6.44	-9.62
9	295	1.96	3.04	6.71e-04	0.0	0.0	-161.82	-2.89	0.90	2.99e-05	0.01	1.96
		-7.75	0.01	6.21e-05	0.0	168.0	-158.04	-2.89	0.90	2.99e-05	1.53	-2.89
						336.0	-154.26	-2.89	0.90	2.99e-05	3.04	-7.75
9	309	0.43	5.95	1.62e-04	0.0	0.0	-169.76	-1.31	4.03	0.02	-1.93	0.43
		-3.99	-1.93	-7.86e-04	-3.36	168.0	-165.98	-1.31	2.35	0.02	3.42	-1.78
						336.0	-162.20	-1.31	0.67	0.02	5.95	-3.99
9	313	0.41	7.89	1.53e-04	0.0	0.0	-157.41	-1.22	6.11	0.03	-3.24	0.41
		-3.70	-3.24	-1.33e-03	-5.60	168.0	-153.63	-1.22	3.31	0.03	4.68	-1.64
						336.0	-149.85	-1.22	0.51	0.03	7.89	-3.70
9	333	0.33	2.71	1.30e-04	0.0	0.0	-154.17	-1.14	-6.47	-0.03	2.71	0.33
		-3.49	-3.53	1.37e-03	11.20	168.0	-150.39	-1.14	-0.87	-0.03	-3.46	-1.58
						336.0	-146.61	-1.14	4.73	-0.03	-0.22	-3.49
9	343	0.38	3.04	1.44e-04	0.0	0.0	-158.39	-1.20	0.90	1.93e-05	0.01	0.38
		-3.66	0.01	6.20e-05	0.0	168.0	-154.61	-1.20	0.90	1.93e-05	1.53	-1.64
						336.0	-150.83	-1.20	0.90	1.93e-05	3.04	-3.66
9	348	0.69	3.04	2.38e-04	0.0	0.0	-155.70	-1.51	0.90	2.11e-05	0.01	0.69
		-4.39	0.01	6.19e-05	0.0	168.0	-151.92	-1.51	0.90	2.11e-05	1.53	-1.85
						336.0	-148.14	-1.51	0.90	2.11e-05	3.04	-4.39

9	350	0.38	4.01	1.44e-04	0.0	0.0	-156.11	-1.19	1.94	6.34e-03	-0.64	0.38
		-3.61	-0.64	-2.74e-04	-1.12	168.0	-152.33	-1.19	1.38	6.34e-03	2.16	-1.62
						336.0	-148.55	-1.19	0.82	6.34e-03	4.01	-3.61
9	352	0.36	2.39	1.39e-04	0.0	0.0	-155.47	-1.17	-0.57	-6.31e-03	0.55	0.36
		-3.57	0.30	3.23e-04	2.24	168.0	-151.69	-1.17	0.55	-6.31e-03	0.53	-1.60
						336.0	-147.91	-1.17	1.67	-6.31e-03	2.39	-3.57
9	354	0.37	3.04	1.41e-04	0.0	0.0	-155.79	-1.18	0.90	1.91e-05	0.01	0.37
		-3.59	0.01	6.19e-05	0.0	168.0	-152.01	-1.18	0.90	1.91e-05	1.53	-1.61
						336.0	-148.23	-1.18	0.90	1.91e-05	3.04	-3.59
10	51	21.46	4.15	-8.70e-04	-3.58	0.0	-110.43	8.70	1.23	-1.05e-04	0.03	-1.78
		-1.78	0.03	8.63e-05	0.0	168.0	-105.51	6.92	1.23	-1.05e-04	2.09	11.34
						336.0	-100.60	5.13	1.23	-1.05e-04	4.15	21.46
10	57	14.72	2.72	-7.86e-04	-3.58	0.0	-70.92	6.72	0.80	-6.26e-05	0.02	-1.85
		-1.85	0.02	5.65e-05	0.0	168.0	-67.14	4.93	0.80	-6.26e-05	1.37	7.94
						336.0	-63.36	3.14	0.80	-6.26e-05	2.72	14.72
10	121	18.37	11.20	5.63e-04	0.0	0.0	-115.93	5.39	5.65	0.03	-3.22	0.25
		0.25	-3.22	-1.23e-03	-2.72	168.0	-111.02	5.39	4.29	0.03	5.13	9.31
						336.0	-106.10	5.39	2.93	0.03	11.20	18.37
10	129	16.59	15.90	5.24e-04	0.0	0.0	-110.69	4.85	8.61	0.04	-5.40	0.29
		0.29	-5.40	-2.07e-03	-4.53	168.0	-105.78	4.85	6.34	0.04	7.15	8.44
						336.0	-100.87	4.85	4.08	0.04	15.90	16.59
10	177	11.16	4.99	3.00e-04	0.0	0.0	-64.41	3.32	-8.22	-0.04	4.99	0.01
		0.01	-7.52	2.14e-03	9.06	168.0	-60.63	3.32	-3.68	-0.04	-5.01	5.59
						336.0	-56.85	3.32	0.85	-0.04	-7.39	11.16
10	179	12.01	4.99	3.24e-04	0.0	0.0	-68.07	3.57	-8.22	-0.04	4.99	0.02
		0.02	-7.52	2.14e-03	9.06	168.0	-64.29	3.57	-3.69	-0.04	-5.01	6.01
						336.0	-60.51	3.57	0.85	-0.04	-7.39	12.01
10	194	37.15	6.11	-3.86e-03	0.0	0.0	-77.35	14.32	-5.31	-1.06	6.11	-10.95
		-10.95	-11.73	2.34e-03	0.0	168.0	-73.57	14.32	-5.31	-1.06	-2.81	13.10
						336.0	-69.79	14.32	-5.31	-1.06	-11.73	37.15
10	195	11.21	17.71	4.53e-03	0.0	0.0	-74.92	-7.21	7.08	1.06	-6.07	11.21
		-13.02	-6.07	-2.22e-03	0.0	168.0	-71.14	-7.21	7.08	1.06	5.82	-0.91
						336.0	-67.36	-7.21	7.08	1.06	17.71	-13.02
10	201	13.72	36.90	-3.92e-04	0.0	0.0	-93.17	4.28	15.16	1.55	-14.04	-0.68
		-0.68	-14.04	-5.22e-03	0.0	168.0	-89.39	4.28	15.16	1.55	11.43	6.52
						336.0	-85.61	4.28	15.16	1.55	36.90	13.72
10	204	10.41	14.08	7.00e-04	0.0	0.0	-59.10	2.82	-13.39	-1.55	14.08	0.94
		0.94	-30.92	5.34e-03	0.0	168.0	-55.32	2.82	-13.39	-1.55	-8.42	5.67
						336.0	-51.54	2.82	-13.39	-1.55	-30.92	10.41
10	206	23.78	14.08	-1.69e-03	0.0	0.0	-63.09	8.56	-13.40	-1.55	14.08	-4.99
		-4.99	-30.92	5.35e-03	0.0	168.0	-59.31	8.56	-13.40	-1.55	-8.42	9.39
						336.0	-55.53	8.56	-13.40	-1.55	-30.92	23.78
10	207	5.25	36.90	2.25e-03	0.0	0.0	-89.18	-1.46	15.16	1.55	-14.05	5.25
		0.36	-14.05	-5.22e-03	0.0	168.0	-85.40	-1.46	15.16	1.55	11.43	2.80
						336.0	-81.62	-1.46	15.16	1.55	36.90	0.36
10	226	24.47	2.96	-1.84e-03	0.0	0.0	-76.92	8.87	-2.11	-0.54	2.96	-5.35
		-5.35	-4.13	1.16e-03	0.0	168.0	-73.14	8.87	-2.11	-0.54	-0.58	9.56
						336.0	-69.36	8.87	-2.11	-0.54	-4.13	24.47
10	233	12.90	18.94	-2.86e-04	0.0	0.0	-84.16	3.92	7.60	0.78	-6.59	-0.27
		-0.27	-6.59	-2.42e-03	0.0	168.0	-80.38	3.92	7.60	0.78	6.17	6.31
						336.0	-76.60	3.92	7.60	0.78	18.94	12.90
10	236	11.24	6.63	5.28e-04	0.0	0.0	-68.10	3.18	-5.83	-0.78	6.63	0.54
		0.54	-12.96	2.55e-03	0.0	168.0	-64.32	3.18	-5.83	-0.78	-3.16	5.89
						336.0	-60.54	3.18	-5.83	-0.78	-12.96	11.24
10	238	17.87	6.63	-8.63e-04	0.0	0.0	-70.09	6.03	-5.83	-0.78	6.63	-2.41
		-2.41	-12.96	2.55e-03	0.0	168.0	-66.31	6.03	-5.83	-0.78	-3.16	7.73
						336.0	-62.53	6.03	-5.83	-0.78	-12.96	17.87
10	239	6.26	18.94	1.30e-03	0.0	0.0	-82.18	1.07	7.60	0.78	-6.60	2.67
		2.67	-6.60	-2.42e-03	0.0	168.0	-78.40	1.07	7.60	0.78	6.17	4.46
						336.0	-74.62	1.07	7.60	0.78	18.94	6.26
10	273	14.59	2.99	-5.83e-04	-2.38	0.0	-76.99	5.89	0.88	-6.80e-05	0.02	-1.18
		-1.18	0.02	6.19e-05	0.0	168.0	-73.21	4.69	0.88	-6.80e-05	1.50	7.71
						336.0	-69.43	3.50	0.88	-6.80e-05	2.99	14.59
10	275	15.16	2.99	-5.90e-04	-2.38	0.0	-79.44	6.05	0.88	-6.88e-05	0.02	-1.18
		-1.18	0.02	6.21e-05	0.0	168.0	-75.66	4.86	0.88	-6.88e-05	1.51	7.99
						336.0	-71.88	3.67	0.88	-6.88e-05	2.99	15.16
10	309	13.10	7.69	4.01e-04	0.0	0.0	-83.11	3.85	3.83	0.02	-2.15	0.18
		0.18	-2.15	-8.19e-04	-1.81	168.0	-79.33	3.85	2.93	0.02	3.53	6.64
						336.0	-75.55	3.85	2.02	0.02	7.69	13.10
10	313	11.91	10.82	3.75e-04	0.0	0.0	-79.61	3.49	5.80	0.03	-3.60	0.20
		0.20	-3.60	-1.38e-03	-3.02	168.0	-75.83	3.49	4.29	0.03	4.88	6.06
						336.0	-72.05	3.49	2.78	0.03	10.82	11.91
10	333	12.22	3.33	3.42e-04	0.0	0.0	-72.65	3.62	-5.13	-0.03	3.33	0.06
		0.06	-3.98	1.45e-03	6.04	168.0	-68.87	3.62	-2.11	-0.03	-2.75	6.14
						336.0	-65.09	3.62	0.91	-0.03	-3.75	12.22
10	335	12.78	3.34	3.58e-04	0.0	0.0	-75.09	3.79	-5.13	-0.03	3.34	0.06
		0.06	-3.98	1.45e-03	6.04	168.0	-71.31	3.79	-2.11	-0.03	-2.75	6.42

						336.0	-67.53	3.79	0.91	-0.03	-3.75	12.78
10	343	12.29	2.99	3.65e-04	0.0	0.0	-77.11	3.62	0.88	-5.46e-05	0.02	0.13
		0.13	0.02	6.17e-05	0.0	168.0	-73.33	3.62	0.88	-5.46e-05	1.50	6.21
						336.0	-69.55	3.62	0.88	-5.46e-05	2.99	12.29
10	346	12.57	2.99	-2.61e-04	-0.48	0.0	-76.30	4.02	0.88	-5.70e-05	0.02	-0.13
		-0.13	0.02	6.17e-05	0.0	168.0	-72.52	3.78	0.88	-5.70e-05	1.50	6.42
						336.0	-68.74	3.54	0.88	-5.70e-05	2.99	12.57
10	350	12.03	4.56	3.62e-04	0.0	0.0	-76.83	3.54	1.87	5.61e-03	-0.70	0.14
		0.14	-0.70	-2.85e-04	-0.60	168.0	-73.05	3.54	1.57	5.61e-03	2.18	6.09
						336.0	-69.27	3.54	1.26	5.61e-03	4.56	12.03
10	352	12.10	1.64	3.55e-04	0.0	0.0	-75.44	3.57	-0.32	-5.69e-03	0.68	0.12
		0.12	0.54	3.40e-04	1.21	168.0	-71.66	3.57	0.29	-5.69e-03	0.65	6.11
						336.0	-67.88	3.57	0.89	-5.69e-03	1.64	12.10
10	354	12.07	2.99	3.58e-04	0.0	0.0	-76.13	3.55	0.88	-5.42e-05	0.02	0.13
		0.13	0.02	6.16e-05	0.0	168.0	-72.35	3.55	0.88	-5.42e-05	1.50	6.10
						336.0	-68.57	3.55	0.88	-5.42e-05	2.99	12.07

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-33.41	-36.90	-5.35e-03	-16.80	-236.83	-13.39	-15.16	-1.55
	37.15	36.90	5.35e-03	16.80	-40.20	14.32	15.16	1.55

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
1	81	73.38	1.06e-03	-1.60e-03	-195.21	0.0	-4.05	114.53	-2.94e-04	0.05	1.06e-03	-109.40
		-109.40	-5.39e-04	0.0	0.0	272.5	-4.05	16.92	-2.94e-04	0.05	2.61e-04	69.70
						545.0	-4.05	-80.68	-2.94e-04	0.05	-5.39e-04	-17.17
1	91	70.14	1.06e-03	-1.53e-03	-186.42	0.0	-4.47	109.75	-2.92e-04	0.05	1.06e-03	-105.58
		-105.58	-5.26e-04	0.0	0.0	272.5	-4.47	16.54	-2.92e-04	0.05	2.68e-04	66.49
						545.0	-4.47	-76.67	-2.92e-04	0.05	-5.26e-04	-15.43
1	131	69.98	0.03	-1.54e-03	-186.42	0.0	-1.59	108.99	-6.84e-03	0.84	0.03	-103.40
		-103.40	-7.83e-03	-7.08e-05	0.0	272.5	-1.59	15.78	-6.84e-03	0.84	0.01	66.59
						545.0	-1.59	-77.43	-6.84e-03	0.84	-7.83e-03	-17.41
1	137	43.31	0.03	-9.57e-04	-115.38	0.0	-0.43	67.50	-6.70e-03	0.71	0.03	-64.12
		-64.12	-7.56e-03	-7.08e-05	0.0	272.5	-0.43	9.81	-6.70e-03	0.71	0.01	41.20
						545.0	-0.43	-47.88	-6.70e-03	0.71	-7.56e-03	-10.68
1	177	43.32	8.25e-03	-9.41e-04	-115.38	0.0	-3.16	67.28	7.04e-03	-0.36	-0.03	-63.46
		-63.46	-0.03	7.06e-05	0.0	272.5	-3.16	9.59	7.04e-03	-0.36	-0.01	41.28
						545.0	-3.16	-48.10	7.04e-03	-0.36	8.25e-03	-11.19
1	195	57.26	0.40	-1.24e-03	-127.39	0.0	-1.11	81.64	0.12	0.11	-0.28	-85.21
		-85.21	-0.28	-1.71e-03	0.0	272.5	-1.11	17.94	0.12	0.11	0.06	50.47
						545.0	-1.11	-45.76	0.12	0.11	0.40	12.56
1	200	57.46	0.36	-1.24e-03	-127.39	0.0	-2.20	81.48	0.12	-1.11	-0.27	-83.94
		-83.94	-0.27	-1.49e-03	0.0	272.5	-2.20	17.78	0.12	-1.11	0.05	50.88
						545.0	-2.20	-45.91	0.12	-1.11	0.36	12.13
1	201	46.87	0.58	-1.05e-03	-127.39	0.0	-0.44	73.80	0.18	1.47	-0.40	-69.53
		-69.53	-0.40	-2.17e-03	0.0	272.5	-0.44	10.10	0.18	1.47	0.09	44.79
						545.0	-0.44	-53.59	0.18	1.47	0.58	-14.47
1	204	48.77	0.40	-1.05e-03	-127.39	0.0	-3.70	75.02	-0.18	-1.50	0.40	-71.36
		-71.36	-0.58	2.17e-03	0.0	272.5	-3.70	11.32	-0.18	-1.50	-0.09	46.27
						545.0	-3.70	-52.38	-0.18	-1.50	-0.58	-9.67
1	210	47.90	0.47	-1.06e-03	-127.39	0.0	-4.06	73.28	0.15	-2.58	-0.36	-65.33
		-65.33	-0.36	-1.43e-03	0.0	272.5	-4.06	9.58	0.15	-2.58	0.06	46.17
						545.0	-4.06	-54.11	0.15	-2.58	0.47	-15.91
1	211	47.89	0.36	-1.04e-03	-127.39	0.0	-0.08	75.54	-0.15	2.55	0.36	-75.57
		-75.57	-0.47	1.43e-03	0.0	272.5	-0.08	11.84	-0.15	2.55	-0.06	44.89
						545.0	-0.08	-51.85	-0.15	2.55	-0.47	-8.22
1	227	52.28	0.20	-1.14e-03	-127.39	0.0	-1.61	77.98	0.06	0.03	-0.14	-77.74
		-77.74	-0.14	-8.45e-04	0.0	272.5	-1.61	14.28	0.06	0.03	0.03	47.97
						545.0	-1.61	-49.41	0.06	0.03	0.20	0.11
1	232	52.39	0.19	-1.14e-03	-127.39	0.0	-2.13	77.91	0.06	-0.55	-0.14	-77.11
		-77.11	-0.14	-7.33e-04	0.0	272.5	-2.13	14.21	0.06	-0.55	0.03	48.19
						545.0	-2.13	-49.48	0.06	-0.55	0.19	-0.09
1	233	47.36	0.29	-1.05e-03	-127.39	0.0	-1.29	74.10	0.09	0.71	-0.20	-69.97
		-69.97	-0.20	-1.01e-03	0.0	272.5	-1.29	10.40	0.09	0.71	0.05	45.17
						545.0	-1.29	-53.29	0.09	0.71	0.29	-13.27
1	236	48.29	0.20	-1.05e-03	-127.39	0.0	-2.85	74.72	-0.09	-0.75	0.20	-70.93
		-70.93	-0.29	1.01e-03	0.0	272.5	-2.85	11.02	-0.09	-0.75	-0.05	45.89
						545.0	-2.85	-52.67	-0.09	-0.75	-0.29	-10.86
1	242	47.90	0.24	-1.05e-03	-127.39	0.0	-3.03	73.86	0.08	-1.24	-0.18	-67.86
		-67.86	-0.18	-6.34e-04	0.0	272.5	-3.03	10.16	0.08	-1.24	0.03	45.88
						545.0	-3.03	-53.53	0.08	-1.24	0.24	-13.95
1	243	47.75	0.18	-1.04e-03	-127.39	0.0	-1.11	74.96	-0.08	1.20	0.18	-73.04
		-73.04	-0.24	6.34e-04	0.0	272.5	-1.11	11.26	-0.08	1.20	-0.03	45.18
						545.0	-1.11	-52.43	-0.08	1.20	-0.24	-10.18
1	289	52.29	7.01e-04	-1.14e-03	-139.11	0.0	-2.84	81.59	-1.93e-04	-0.02	7.01e-04	-77.89
		-77.89	-3.53e-04	0.0	0.0	272.5	-2.84	12.04	-1.93e-04	-0.02	1.74e-04	49.68

						545.0	-2.84	-57.52	-1.93e-04	-0.02	-3.53e-04	-12.30
1	295	50.13	7.02e-04	-1.09e-03	-133.25	0.0	-3.13	78.41	-1.92e-04	-0.02	7.02e-04	-75.34
		-75.34	-3.45e-04	0.0	0.0	272.5	-3.13	11.78	-1.92e-04	-0.02	1.79e-04	47.54
						545.0	-3.13	-54.85	-1.92e-04	-0.02	-3.45e-04	-11.14
1	313	47.82	0.02	-1.05e-03	-127.39	0.0	-1.11	74.48	-4.55e-03	0.51	0.02	-70.67
		-70.67	-5.21e-03	-4.72e-05	0.0	272.5	-1.11	10.78	-4.55e-03	0.51	7.20e-03	45.50
						545.0	-1.11	-52.91	-4.55e-03	0.51	-5.21e-03	-11.90
1	315	50.02	0.02	-1.10e-03	-133.25	0.0	-1.21	77.90	-4.56e-03	0.51	0.02	-73.89
		-73.89	-5.21e-03	-4.72e-05	0.0	272.5	-1.21	11.27	-4.56e-03	0.51	7.20e-03	47.60
						545.0	-1.21	-55.35	-4.56e-03	0.51	-5.21e-03	-12.46
1	333	47.82	5.33e-03	-1.04e-03	-127.39	0.0	-2.93	74.34	4.60e-03	-0.20	-0.02	-70.23
		-70.23	-0.02	4.71e-05	0.0	272.5	-2.93	10.64	4.60e-03	-0.20	-7.21e-03	45.56
						545.0	-2.93	-53.06	4.60e-03	-0.20	5.33e-03	-12.24
1	343	48.70	6.66e-04	-1.07e-03	-129.74	0.0	-2.11	75.78	-1.86e-04	-0.02	6.66e-04	-71.74
		-71.74	-3.50e-04	0.0	0.0	272.5	-2.11	10.91	-1.86e-04	-0.02	1.58e-04	46.37
						545.0	-2.11	-53.96	-1.86e-04	-0.02	-3.50e-04	-12.29
1	348	47.84	6.67e-04	-1.05e-03	-127.39	0.0	-2.26	74.53	-1.86e-04	-0.02	6.67e-04	-70.78
		-70.78	-3.46e-04	0.0	0.0	272.5	-2.26	10.83	-1.86e-04	-0.02	1.61e-04	45.51
						545.0	-2.26	-52.87	-1.86e-04	-0.02	-3.46e-04	-11.77
1	350	47.82	4.45e-03	-1.05e-03	-127.39	0.0	-1.88	74.42	-1.06e-03	0.09	4.45e-03	-70.49
		-70.49	-1.32e-03	-9.36e-06	0.0	272.5	-1.88	10.73	-1.06e-03	0.09	1.56e-03	45.52
						545.0	-1.88	-52.97	-1.06e-03	0.09	-1.32e-03	-12.03
1	352	47.82	7.88e-04	-1.05e-03	-127.39	0.0	-2.24	74.39	7.72e-04	-0.05	-3.42e-03	-70.40
		-70.40	-3.42e-03	9.50e-06	0.0	272.5	-2.24	10.70	7.72e-04	-0.05	-1.32e-03	45.54
						545.0	-2.24	-53.00	7.72e-04	-0.05	7.88e-04	-12.10
1	354	47.82	6.62e-04	-1.05e-03	-127.39	0.0	-2.07	74.41	-1.85e-04	-0.02	6.62e-04	-70.45
		-70.45	-3.48e-04	0.0	0.0	272.5	-2.07	10.71	-1.85e-04	-0.02	1.57e-04	45.53
						545.0	-2.07	-52.98	-1.85e-04	-0.02	-3.48e-04	-12.07
2	41	45.37	1.43e-03	-7.62e-04	-166.55	0.0	-2.97	63.10	4.92e-04	-0.05	-8.61e-04	-10.20
		-104.03	-8.61e-04	0.0	0.0	232.5	-2.97	-20.18	4.92e-04	-0.05	2.82e-04	39.69
						465.0	-2.97	-103.45	4.92e-04	-0.05	1.43e-03	-104.03
2	51	43.50	1.40e-03	-7.27e-04	-159.05	0.0	-3.44	59.79	4.80e-04	-0.05	-8.31e-04	-8.75
		-100.55	-8.31e-04	0.0	0.0	232.5	-3.44	-19.74	4.80e-04	-0.05	2.85e-04	37.80
						465.0	-3.44	-99.27	4.80e-04	-0.05	1.40e-03	-100.55
2	131	43.03	0.07	-7.19e-04	-159.05	0.0	-0.56	60.83	0.03	-1.01	-0.05	-11.03
		-97.99	-0.05	-7.32e-05	0.0	232.5	-0.56	-18.70	0.03	-1.01	6.14e-03	37.94
						465.0	-0.56	-98.23	0.03	-1.01	0.07	-97.99
2	137	26.61	0.07	-4.42e-04	-98.44	0.0	0.21	37.63	0.03	-0.86	-0.05	-6.82
		-60.72	-0.05	-7.31e-05	0.0	232.5	0.21	-11.59	0.03	-0.86	6.01e-03	23.45
						465.0	0.21	-60.81	0.03	-0.86	0.07	-60.72
2	177	26.73	0.05	-4.59e-04	-98.44	0.0	-2.55	37.71	-0.03	0.41	0.05	-6.85
		-60.35	-0.07	7.33e-05	0.0	232.5	-2.55	-11.51	-0.03	0.41	-6.28e-03	23.62
						465.0	-2.55	-60.73	-0.03	0.41	-0.07	-60.35
2	194	40.83	0.45	-6.57e-04	-108.69	0.0	-0.53	32.95	-0.17	1.09	0.45	17.63
		-81.87	-0.32	1.24e-03	0.0	232.5	-0.53	-21.40	-0.17	1.09	0.06	31.06
						465.0	-0.53	-75.74	-0.17	1.09	-0.32	-81.87
2	197	40.68	0.38	-6.47e-04	-108.69	0.0	0.58	33.00	-0.14	-0.38	0.38	17.41
		-81.87	-0.26	1.23e-03	0.0	232.5	0.58	-21.35	-0.14	-0.38	0.06	30.95
						465.0	0.58	-75.70	-0.14	-0.38	-0.26	-81.87
2	201	30.58	0.51	-5.09e-04	-108.69	0.0	0.40	40.66	0.26	-2.80	-0.68	-4.78
		-68.43	-0.68	-1.39e-03	0.0	232.5	0.40	-13.69	0.26	-2.80	-0.09	26.58
						465.0	0.40	-68.04	0.26	-2.80	0.51	-68.43
2	204	28.30	0.68	-4.84e-04	-108.69	0.0	-3.15	42.53	-0.26	2.84	0.68	-10.31
		-65.29	-0.51	1.39e-03	0.0	232.5	-3.15	-11.82	-0.26	2.84	0.09	25.38
						465.0	-3.15	-66.17	-0.26	2.84	-0.51	-65.29
2	213	33.37	0.46	-5.38e-04	-108.69	0.0	1.25	37.99	-0.16	-2.06	0.46	2.66
		-73.40	-0.30	1.37e-03	0.0	232.5	1.25	-16.35	-0.16	-2.06	0.08	27.81
						465.0	1.25	-70.70	-0.16	-2.06	-0.30	-73.40
2	216	25.82	0.30	-4.55e-04	-108.69	0.0	-4.00	45.19	0.16	2.10	-0.46	-17.74
		-60.31	-0.46	-1.37e-03	0.0	232.5	-4.00	-9.16	0.16	2.10	-0.08	24.15
						465.0	-4.00	-63.50	0.16	2.10	0.30	-60.31
2	226	34.46	0.23	-5.76e-04	-108.69	0.0	-0.96	37.31	-0.08	0.53	0.23	4.91
		-74.29	-0.16	5.93e-04	0.0	232.5	-0.96	-17.03	-0.08	0.53	0.03	28.49
						465.0	-0.96	-71.38	-0.08	0.53	-0.16	-74.29
2	233	30.01	0.25	-5.03e-04	-108.69	0.0	-0.47	41.14	0.13	-1.30	-0.34	-6.19
		-67.60	-0.34	-5.56e-04	0.0	232.5	-0.47	-13.21	0.13	-1.30	-0.04	26.28
						465.0	-0.47	-67.55	0.13	-1.30	0.25	-67.60
2	236	28.88	0.34	-4.90e-04	-108.69	0.0	-2.27	42.04	-0.13	1.35	0.34	-8.90
		-66.11	-0.25	5.55e-04	0.0	232.5	-2.27	-12.30	-0.13	1.35	0.04	25.67
						465.0	-2.27	-66.65	-0.13	1.35	-0.25	-66.11
2	245	31.39	0.23	-5.18e-04	-108.69	0.0	-0.12	39.81	-0.08	-0.98	0.23	-2.49
		-70.08	-0.16	6.51e-04	0.0	232.5	-0.12	-14.54	-0.08	-0.98	0.04	26.89
						465.0	-0.12	-68.88	-0.08	-0.98	-0.16	-70.08
2	248	27.49	0.16	-4.76e-04	-108.69	0.0	-2.63	43.37	0.08	1.02	-0.24	-12.60
		-63.63	-0.24	-6.52e-04	0.0	232.5	-2.63	-10.97	0.08	1.02	-0.04	25.06
						465.0	-2.63	-65.32	0.08	1.02	0.16	-63.63
2	269	32.32	9.56e-04	-5.44e-04	-118.69	0.0	-2.08	45.00	3.30e-04	0.02	-5.80e-04	-7.34

		-74.06	-5.80e-04	0.0	0.0	232.5	-2.08	-14.35	3.30e-04	0.02	1.88e-04	28.29
						465.0	-2.08	-73.69	3.30e-04	0.02	9.56e-04	-74.06
2	275	31.07	9.39e-04	-5.20e-04	-113.69	0.0	-2.39	42.79	3.22e-04	0.02	-5.60e-04	-6.37
		-71.73	-5.60e-04	0.0	0.0	232.5	-2.39	-14.06	3.22e-04	0.02	1.90e-04	27.03
						465.0	-2.39	-70.90	3.22e-04	0.02	9.39e-04	-71.73
2	313	29.40	0.04	-4.91e-04	-108.69	0.0	-0.41	41.56	0.02	-0.62	-0.04	-7.53
		-66.98	-0.04	-4.88e-05	0.0	232.5	-0.41	-12.78	0.02	-0.62	4.09e-03	25.92
						465.0	-0.41	-67.13	0.02	-0.62	0.04	-66.98
2	315	30.76	0.04	-5.14e-04	-113.69	0.0	-0.47	43.48	0.02	-0.62	-0.04	-7.89
		-70.03	-0.04	-4.88e-05	0.0	232.5	-0.47	-13.36	0.02	-0.62	4.09e-03	27.12
						465.0	-0.47	-70.21	0.02	-0.62	0.04	-70.03
2	333	29.48	0.04	-5.02e-04	-108.69	0.0	-2.24	41.62	-0.02	0.23	0.04	-7.56
		-66.73	-0.04	4.88e-05	0.0	232.5	-2.24	-12.73	-0.02	0.23	-4.10e-03	26.03
						465.0	-2.24	-67.07	-0.02	0.23	-0.04	-66.73
2	343	29.99	9.26e-04	-5.06e-04	-110.69	0.0	-1.40	42.36	3.23e-04	0.02	-5.74e-04	-7.69
		-68.08	-5.74e-04	0.0	0.0	232.5	-1.40	-12.99	3.23e-04	0.02	1.76e-04	26.46
						465.0	-1.40	-68.33	3.23e-04	0.02	9.26e-04	-68.08
2	346	29.50	9.20e-04	-4.97e-04	-108.69	0.0	-1.56	41.45	3.19e-04	0.02	-5.66e-04	-7.24
		-67.22	-5.66e-04	0.0	0.0	232.5	-1.56	-12.90	3.19e-04	0.02	1.77e-04	25.95
						465.0	-1.56	-67.25	3.19e-04	0.02	9.20e-04	-67.22
2	350	29.44	9.51e-03	-4.95e-04	-108.69	0.0	-1.18	41.59	3.68e-03	-0.11	-7.60e-03	-7.54
		-66.88	-7.60e-03	-9.88e-06	0.0	232.5	-1.18	-12.76	3.68e-03	-0.11	9.58e-04	25.97
						465.0	-1.18	-67.11	3.68e-03	-0.11	9.51e-03	-66.88
2	352	29.45	6.67e-03	-4.98e-04	-108.69	0.0	-1.55	41.60	-3.16e-03	0.06	6.67e-03	-7.55
		-66.83	-8.03e-03	9.64e-06	0.0	232.5	-1.55	-12.75	-3.16e-03	0.06	-6.81e-04	25.99
						465.0	-1.55	-67.10	-3.16e-03	0.06	-8.03e-03	-66.83
2	354	29.44	9.19e-04	-4.97e-04	-108.69	0.0	-1.37	41.59	3.20e-04	0.02	-5.70e-04	-7.54
		-66.86	-5.70e-04	0.0	0.0	232.5	-1.37	-12.76	3.20e-04	0.02	1.75e-04	25.98
						465.0	-1.37	-67.10	3.20e-04	0.02	9.19e-04	-66.86
3	59	12.51	-3.79e-04	-2.20e-04	-28.17	0.0	-0.25	14.08	0.0	0.0	-3.79e-04	-2.63
		-2.63	-3.79e-04	0.0	0.0	215.0	-0.25	0.0	0.0	0.0	-3.79e-04	12.51
						430.0	-0.25	-14.08	0.0	0.0	-3.79e-04	-2.63
3	129	19.55	3.60e-03	-3.41e-04	-43.54	0.0	-1.24	16.52	-1.69e-03	-0.08	3.60e-03	6.09
		-16.50	-3.66e-03	-6.38e-05	0.0	215.0	-1.24	-5.25	-1.69e-03	-0.08	-2.93e-05	18.19
						430.0	-1.24	-27.02	-1.69e-03	-0.08	-3.66e-03	-16.50
3	131	19.56	3.59e-03	-3.41e-04	-43.54	0.0	-1.23	16.52	-1.69e-03	-0.08	3.59e-03	6.09
		-16.50	-3.68e-03	-6.38e-05	0.0	215.0	-1.23	-5.25	-1.69e-03	-0.08	-4.36e-05	18.19
						430.0	-1.23	-27.02	-1.69e-03	-0.08	-3.68e-03	-16.50
3	137	13.62	3.93e-03	-2.27e-04	-28.17	0.0	-1.03	8.83	-1.69e-03	-0.08	3.93e-03	7.67
		-14.92	-3.34e-03	-6.38e-05	0.0	215.0	-1.03	-5.25	-1.69e-03	-0.08	2.94e-04	11.52
						430.0	-1.03	-19.34	-1.69e-03	-0.08	-3.34e-03	-14.92
3	189	14.08	0.21	-2.55e-04	-31.18	0.0	-0.54	13.46	0.10	-0.20	-0.21	1.60
		-7.56	-0.21	-1.97e-04	0.0	215.0	-0.54	-2.13	0.10	-0.20	-5.34e-04	13.77
						430.0	-0.54	-17.72	0.10	-0.20	0.21	-7.56
3	192	14.10	0.21	-2.30e-04	-31.18	0.0	-0.32	17.72	-0.10	0.20	0.21	-7.55
		-7.55	-0.21	1.97e-04	0.0	215.0	-0.32	2.13	-0.10	0.20	-4.28e-04	13.79
						430.0	-0.32	-13.46	-0.10	0.20	-0.21	1.61
3	201	18.78	0.88	-2.87e-04	-31.18	0.0	-0.46	7.04	0.41	-0.84	-0.88	15.40
		-21.36	-0.88	-1.99e-03	0.0	215.0	-0.46	-8.55	0.41	-0.84	-4.97e-04	13.78
						430.0	-0.46	-24.14	0.41	-0.84	0.88	-21.36
3	204	18.79	0.88	-2.11e-04	-31.18	0.0	-0.39	24.14	-0.41	0.84	0.88	-21.35
		-21.35	-0.88	1.99e-03	0.0	215.0	-0.39	8.55	-0.41	0.84	-4.65e-04	13.78
						430.0	-0.39	-7.04	-0.41	0.84	-0.88	15.41
3	210	31.11	0.70	-2.05e-04	-31.18	0.0	-0.46	31.44	0.33	-0.49	-0.70	-37.06
		-37.06	-0.70	-1.46e-03	0.0	215.0	-0.46	15.85	0.33	-0.49	-4.97e-04	13.78
						430.0	-0.46	0.27	0.33	-0.49	0.70	31.11
3	211	31.11	0.70	-3.26e-04	-31.18	0.0	-0.39	-0.27	-0.33	0.49	0.70	31.11
		-37.06	-0.70	1.46e-03	0.0	215.0	-0.39	-15.85	-0.33	0.49	-4.65e-04	13.78
						430.0	-0.39	-31.44	-0.33	0.49	-0.70	-37.06
3	221	13.78	0.11	-2.48e-04	-31.18	0.0	-0.48	14.68	0.05	-0.10	-0.11	-1.03
		-4.92	-0.11	-7.32e-05	0.0	215.0	-0.48	-0.91	0.05	-0.10	-5.05e-04	13.78
						430.0	-0.48	-16.49	0.05	-0.10	0.11	-4.92
3	224	13.79	0.11	-2.36e-04	-31.18	0.0	-0.37	16.49	-0.05	0.10	0.11	-4.92
		-4.92	-0.11	7.32e-05	0.0	215.0	-0.37	0.91	-0.05	0.10	-4.58e-04	13.79
						430.0	-0.37	-14.68	-0.05	0.10	-0.11	-1.02
3	233	15.02	0.45	-2.62e-04	-31.18	0.0	-0.44	11.33	0.21	-0.42	-0.45	6.18
		-12.13	-0.45	-9.89e-04	0.0	215.0	-0.44	-4.26	0.21	-0.42	-4.88e-04	13.78
						430.0	-0.44	-19.85	0.21	-0.42	0.45	-12.13
3	236	15.03	0.45	-2.24e-04	-31.18	0.0	-0.41	19.85	-0.21	0.42	0.45	-12.13
		-12.13	-0.45	9.89e-04	0.0	215.0	-0.41	4.26	-0.21	0.42	-4.74e-04	13.78
						430.0	-0.41	-11.33	-0.21	0.42	-0.45	6.18
3	242	17.72	0.35	-2.20e-04	-31.18	0.0	-0.44	23.15	0.16	-0.26	-0.35	-19.23
		-19.23	-0.35	-7.29e-04	0.0	215.0	-0.44	7.56	0.16	-0.26	-4.88e-04	13.78
						430.0	-0.44	-8.03	0.16	-0.26	0.35	13.27
3	243	17.72	0.35	-2.77e-04	-31.18	0.0	-0.41	8.03	-0.16	0.26	0.35	13.28
		-19.22	-0.35	7.29e-04	0.0	215.0	-0.41	-7.56	-0.16	0.26	-4.74e-04	13.78
						430.0	-0.41	-23.15	-0.16	0.26	-0.35	-19.22

3	275	13.78	-4.72e-04	-2.42e-04	-31.18	0.0	-0.34	15.59	0.0	0.0	-4.72e-04	-2.97
		-2.97	-4.72e-04	0.0	0.0	215.0	-0.34	0.0	0.0	0.0	-4.72e-04	13.78
						430.0	-0.34	-15.59	0.0	0.0	-4.72e-04	-2.97
3	313	13.95	2.40e-03	-2.45e-04	-31.18	0.0	-0.86	12.09	-1.13e-03	-0.05	2.40e-03	3.89
		-11.17	-2.45e-03	-4.25e-05	0.0	215.0	-0.86	-3.50	-1.13e-03	-0.05	-2.40e-05	13.12
						430.0	-0.86	-19.09	-1.13e-03	-0.05	-2.45e-03	-11.17
3	315	13.96	2.39e-03	-2.45e-04	-31.18	0.0	-0.85	12.09	-1.13e-03	-0.05	2.39e-03	3.89
		-11.17	-2.46e-03	-4.25e-05	0.0	215.0	-0.85	-3.50	-1.13e-03	-0.05	-3.36e-05	13.12
						430.0	-0.85	-19.09	-1.13e-03	-0.05	-2.46e-03	-11.17
3	343	13.78	-4.85e-04	-2.42e-04	-31.18	0.0	-0.43	15.59	0.0	0.0	-4.85e-04	-2.97
		-2.97	-4.85e-04	0.0	0.0	215.0	-0.43	0.0	0.0	0.0	-4.85e-04	13.78
						430.0	-0.43	-15.59	0.0	0.0	-4.85e-04	-2.97
3	346	13.78	-4.77e-04	-2.42e-04	-31.18	0.0	-0.41	15.59	0.0	0.0	-4.77e-04	-2.97
		-2.97	-4.77e-04	0.0	0.0	215.0	-0.41	0.0	0.0	0.0	-4.77e-04	13.78
						430.0	-0.41	-15.59	0.0	0.0	-4.77e-04	-2.97
3	350	13.65	9.47e-05	-2.43e-04	-31.18	0.0	-0.51	14.89	-2.25e-04	-0.01	9.47e-05	-1.60
		-4.61	-8.74e-04	-8.51e-06	0.0	215.0	-0.51	-0.70	-2.25e-04	-0.01	-3.90e-04	13.65
						430.0	-0.51	-16.29	-2.25e-04	-0.01	-8.74e-04	-4.61
3	354	13.78	-4.81e-04	-2.42e-04	-31.18	0.0	-0.43	15.59	0.0	0.0	-4.81e-04	-2.97
		-2.97	-4.81e-04	0.0	0.0	215.0	-0.43	0.0	0.0	0.0	-4.81e-04	13.78
						430.0	-0.43	-15.59	0.0	0.0	-4.81e-04	-2.97
4	91	5.44	-5.45e-04	-3.99e-04	-17.47	0.0	0.04	8.73	0.0	0.0	-5.45e-04	-3.95
		-3.95	-5.45e-04	0.0	0.0	215.0	0.04	0.0	0.0	0.0	-5.45e-04	5.44
						430.0	0.04	-8.73	0.0	0.0	-5.45e-04	-3.95
4	129	5.48	0.01	-3.59e-04	-17.47	0.0	-1.01	6.45	5.19e-03	-8.71e-03	-0.01	0.36
		-9.46	-0.01	-6.14e-05	0.0	215.0	-1.01	-2.29	5.19e-03	-8.71e-03	-1.11e-04	4.84
						430.0	-1.01	-11.02	5.19e-03	-8.71e-03	0.01	-9.46
4	131	5.48	0.01	-3.59e-04	-17.47	0.0	-0.99	6.45	5.19e-03	-8.71e-03	-0.01	0.36
		-9.46	-0.01	-6.14e-05	0.0	215.0	-0.99	-2.29	5.19e-03	-8.71e-03	-1.20e-04	4.84
						430.0	-0.99	-11.02	5.19e-03	-8.71e-03	0.01	-9.46
4	137	4.31	0.01	-2.60e-04	-13.44	0.0	-1.03	4.43	5.19e-03	-8.71e-03	-0.01	1.18
		-8.65	-0.01	-6.14e-05	0.0	215.0	-1.03	-2.29	5.19e-03	-8.71e-03	2.40e-05	3.49
						430.0	-1.03	-9.00	5.19e-03	-8.71e-03	0.01	-8.65
4	189	4.69	0.18	-3.18e-04	-13.44	0.0	-0.10	4.85	0.08	-0.02	-0.18	0.93
		-7.10	-0.18	-1.97e-04	0.0	215.0	-0.10	-1.87	0.08	-0.02	-3.75e-04	4.14
						430.0	-0.10	-8.59	0.08	-0.02	0.18	-7.10
4	192	4.69	0.18	-3.06e-04	-13.44	0.0	-0.03	8.59	-0.08	0.02	0.18	-7.10
		-7.10	-0.18	1.97e-04	0.0	215.0	-0.03	1.87	-0.08	0.02	-1.02e-04	4.14
						430.0	-0.03	-4.85	-0.08	0.02	-0.18	0.93
4	201	10.82	0.70	-4.10e-04	-13.44	0.0	-0.08	0.25	0.32	-0.10	-0.70	10.82
		-16.98	-0.70	-1.99e-03	0.0	215.0	-0.08	-6.46	0.32	-0.10	-2.80e-04	4.14
						430.0	-0.08	-13.18	0.32	-0.10	0.70	-16.98
4	204	10.82	0.70	-3.72e-04	-13.44	0.0	-0.05	13.18	-0.32	0.10	0.70	-16.98
		-16.98	-0.70	1.99e-03	0.0	215.0	-0.05	6.46	-0.32	0.10	-1.98e-04	4.14
						430.0	-0.05	-0.25	-0.32	0.10	-0.70	10.82
4	210	12.16	0.53	-3.82e-04	-13.44	0.0	-0.08	13.81	0.25	-0.06	-0.54	-18.32
		-18.32	-0.54	-1.46e-03	0.0	215.0	-0.08	7.09	0.25	-0.06	-2.80e-04	4.14
						430.0	-0.08	0.37	0.25	-0.06	0.53	12.16
4	211	12.16	0.53	-4.27e-04	-13.44	0.0	-0.05	-0.37	-0.25	0.06	0.53	12.16
		-18.32	-0.54	1.46e-03	0.0	215.0	-0.05	-7.09	-0.25	0.06	-1.98e-04	4.14
						430.0	-0.05	-13.81	-0.25	0.06	-0.54	-18.32
4	221	4.27	0.09	-3.06e-04	-13.44	0.0	-0.08	5.84	0.04	-0.01	-0.09	-1.18
		-4.98	-0.09	-7.29e-05	0.0	215.0	-0.08	-0.88	0.04	-0.01	-3.00e-04	4.14
						430.0	-0.08	-7.60	0.04	-0.01	0.09	-4.98
4	224	4.27	0.09	-3.01e-04	-13.44	0.0	-0.05	7.60	-0.04	0.01	0.09	-4.98
		-4.98	-0.09	7.29e-05	0.0	215.0	-0.05	0.88	-0.04	0.01	-1.78e-04	4.14
						430.0	-0.05	-5.84	-0.04	0.01	-0.09	-1.18
4	233	5.63	0.35	-3.36e-04	-13.44	0.0	-0.07	3.66	0.16	-0.05	-0.35	3.50
		-9.66	-0.35	-9.88e-04	0.0	215.0	-0.07	-3.06	0.16	-0.05	-2.57e-04	4.14
						430.0	-0.07	-9.78	0.16	-0.05	0.35	-9.66
4	236	5.63	0.35	-3.18e-04	-13.44	0.0	-0.06	9.78	-0.16	0.05	0.35	-9.66
		-9.66	-0.35	9.88e-04	0.0	215.0	-0.06	3.06	-0.16	0.05	-2.21e-04	4.14
						430.0	-0.06	-3.66	-0.16	0.05	-0.35	3.50
4	243	5.97	0.27	-3.43e-04	-13.44	0.0	-0.06	3.33	-0.13	0.03	0.27	4.19
		-10.36	-0.27	7.31e-04	0.0	215.0	-0.06	-3.38	-0.13	0.03	-2.21e-04	4.14
						430.0	-0.06	-10.10	-0.13	0.03	-0.27	-10.36
4	245	5.97	0.27	-3.43e-04	-13.44	0.0	-0.07	3.33	-0.13	0.03	0.27	4.19
		-10.36	-0.27	7.31e-04	0.0	215.0	-0.07	-3.38	-0.13	0.03	-2.57e-04	4.14
						430.0	-0.07	-10.10	-0.13	0.03	-0.27	-10.36
4	257	4.14	-2.52e-04	-3.03e-04	-13.44	0.0	-0.04	6.72	0.0	0.0	-2.52e-04	-3.08
		-3.08	-2.52e-04	0.0	0.0	215.0	-0.04	0.0	0.0	0.0	-2.52e-04	4.14
						430.0	-0.04	-6.72	0.0	0.0	-2.52e-04	-3.08
4	295	4.14	-3.75e-04	-3.03e-04	-13.44	0.0	6.09e-03	6.72	0.0	0.0	-3.75e-04	-3.08
		-3.08	-3.75e-04	0.0	0.0	215.0	6.09e-03	0.0	0.0	0.0	-3.75e-04	4.14
						430.0	6.09e-03	-6.72	0.0	0.0	-3.75e-04	-3.08
4	313	4.11	7.35e-03	-2.75e-04	-13.44	0.0	-0.69	5.20	3.46e-03	-5.81e-03	-7.52e-03	-0.21
		-6.76	-7.52e-03	-4.09e-05	0.0	215.0	-0.69	-1.52	3.46e-03	-5.81e-03	-8.46e-05	3.74

						430.0	-0.69	-8.24	3.46e-03	-5.81e-03	7.35e-03	-6.76
4	315	4.11	7.35e-03	-2.75e-04	-13.44	0.0	-0.68	5.20	3.46e-03	-5.81e-03	-7.53e-03	-0.20
		-6.76	-7.53e-03	-4.09e-05	0.0	215.0	-0.68	-1.52	3.46e-03	-5.81e-03	-9.09e-05	3.74
						430.0	-0.68	-8.24	3.46e-03	-5.81e-03	7.35e-03	-6.76
4	343	4.14	-2.41e-04	-3.02e-04	-13.44	0.0	-0.06	6.72	0.0	0.0	-2.41e-04	-3.08
		-3.08	-2.41e-04	0.0	0.0	215.0	-0.06	0.0	0.0	0.0	-2.41e-04	4.14
						430.0	-0.06	-6.72	0.0	0.0	-2.41e-04	-3.08
4	348	4.14	-2.65e-04	-3.02e-04	-13.44	0.0	-0.05	6.72	0.0	0.0	-2.65e-04	-3.08
		-3.08	-2.65e-04	0.0	0.0	215.0	-0.05	0.0	0.0	0.0	-2.65e-04	4.14
						430.0	-0.05	-6.72	0.0	0.0	-2.65e-04	-3.08
4	350	4.06	1.28e-03	-2.96e-04	-13.44	0.0	-0.19	6.41	6.92e-04	-1.16e-03	-1.70e-03	-2.51
		-3.82	-1.70e-03	-8.18e-06	0.0	215.0	-0.19	-0.30	6.92e-04	-1.16e-03	-2.08e-04	4.06
						430.0	-0.19	-7.02	6.92e-04	-1.16e-03	1.28e-03	-3.82
4	354	4.14	-2.39e-04	-3.02e-04	-13.44	0.0	-0.06	6.72	0.0	0.0	-2.39e-04	-3.08
		-3.08	-2.39e-04	0.0	0.0	215.0	-0.06	0.0	0.0	0.0	-2.39e-04	4.14
						430.0	-0.06	-6.72	0.0	0.0	-2.39e-04	-3.08
11	41	45.37	8.61e-04	-7.62e-04	-166.55	0.0	-2.97	63.10	-4.92e-04	0.05	8.61e-04	-10.20
		-104.03	-1.43e-03	0.0	0.0	232.5	-2.97	-20.18	-4.92e-04	0.05	-2.82e-04	39.69
						465.0	-2.97	-103.45	-4.92e-04	0.05	-1.43e-03	-104.03
11	51	43.50	8.31e-04	-7.27e-04	-159.05	0.0	-3.44	59.79	-4.80e-04	0.05	8.31e-04	-8.75
		-100.55	-1.40e-03	0.0	0.0	232.5	-3.44	-19.74	-4.80e-04	0.05	-2.85e-04	37.80
						465.0	-3.44	-99.27	-4.80e-04	0.05	-1.40e-03	-100.55
11	137	26.73	0.07	-4.59e-04	-98.44	0.0	-2.55	37.71	0.03	-0.41	-0.05	-6.85
		-60.35	-0.05	-7.33e-05	0.0	232.5	-2.55	-11.51	0.03	-0.41	6.28e-03	23.62
						465.0	-2.55	-60.73	0.03	-0.41	0.07	-60.35
11	171	43.03	0.05	-7.19e-04	-159.05	0.0	-0.56	60.83	-0.03	1.01	0.05	-11.03
		-97.99	-0.07	7.32e-05	0.0	232.5	-0.56	-18.70	-0.03	1.01	-6.14e-03	37.94
						465.0	-0.56	-98.23	-0.03	1.01	-0.07	-97.99
11	177	26.61	0.05	-4.42e-04	-98.44	0.0	0.21	37.63	-0.03	0.86	0.05	-6.82
		-60.72	-0.07	7.31e-05	0.0	232.5	0.21	-11.59	-0.03	0.86	-6.01e-03	23.45
						465.0	0.21	-60.81	-0.03	0.86	-0.07	-60.72
11	185	40.83	0.32	-6.57e-04	-108.69	0.0	-0.53	32.95	0.17	-1.09	-0.45	17.63
		-81.87	-0.45	-1.24e-03	0.0	232.5	-0.53	-21.40	0.17	-1.09	-0.06	31.06
						465.0	-0.53	-75.74	0.17	-1.09	0.32	-81.87
11	190	40.68	0.26	-6.47e-04	-108.69	0.0	0.58	33.00	0.14	0.38	-0.38	17.41
		-81.87	-0.38	-1.23e-03	0.0	232.5	0.58	-21.35	0.14	0.38	-0.06	30.95
						465.0	0.58	-75.70	0.14	0.38	0.26	-81.87
11	206	30.58	0.68	-5.09e-04	-108.69	0.0	0.40	40.66	-0.26	2.80	0.68	-4.78
		-68.43	-0.51	1.39e-03	0.0	232.5	0.40	-13.69	-0.26	2.80	0.09	26.58
						465.0	0.40	-68.04	-0.26	2.80	-0.51	-68.43
11	207	28.30	0.51	-4.84e-04	-108.69	0.0	-3.15	42.53	0.26	-2.84	-0.68	-10.31
		-65.29	-0.68	-1.39e-03	0.0	232.5	-3.15	-11.82	0.26	-2.84	-0.09	25.38
						465.0	-3.15	-66.17	0.26	-2.84	0.51	-65.29
11	210	33.37	0.30	-5.38e-04	-108.69	0.0	1.25	37.99	0.16	2.06	-0.46	2.66
		-73.40	-0.46	-1.37e-03	0.0	232.5	1.25	-16.35	0.16	2.06	-0.08	27.81
						465.0	1.25	-70.70	0.16	2.06	0.30	-73.40
11	211	25.82	0.46	-4.55e-04	-108.69	0.0	-4.00	45.19	-0.16	-2.10	0.46	-17.74
		-60.31	-0.30	1.37e-03	0.0	232.5	-4.00	-9.16	-0.16	-2.10	0.08	24.15
						465.0	-4.00	-63.50	-0.16	-2.10	-0.30	-60.31
11	217	34.46	0.16	-5.76e-04	-108.69	0.0	-0.96	37.31	0.08	-0.53	-0.23	4.91
		-74.29	-0.23	-5.93e-04	0.0	232.5	-0.96	-17.03	0.08	-0.53	-0.03	28.49
						465.0	-0.96	-71.38	0.08	-0.53	0.16	-74.29
11	238	30.01	0.34	-5.03e-04	-108.69	0.0	-0.47	41.14	-0.13	1.30	0.34	-6.19
		-67.60	-0.25	5.56e-04	0.0	232.5	-0.47	-13.21	-0.13	1.30	0.04	26.28
						465.0	-0.47	-67.55	-0.13	1.30	-0.25	-67.60
11	239	28.88	0.25	-4.90e-04	-108.69	0.0	-2.27	42.04	0.13	-1.35	-0.34	-8.90
		-66.11	-0.34	-5.55e-04	0.0	232.5	-2.27	-12.30	0.13	-1.35	-0.04	25.67
						465.0	-2.27	-66.65	0.13	-1.35	0.25	-66.11
11	242	31.39	0.16	-5.18e-04	-108.69	0.0	-0.12	39.81	0.08	0.98	-0.23	-2.49
		-70.08	-0.23	-6.51e-04	0.0	232.5	-0.12	-14.54	0.08	0.98	-0.04	26.89
						465.0	-0.12	-68.88	0.08	0.98	0.16	-70.08
11	243	27.49	0.24	-4.76e-04	-108.69	0.0	-2.63	43.37	-0.08	-1.02	0.24	-12.60
		-63.63	-0.16	6.52e-04	0.0	232.5	-2.63	-10.97	-0.08	-1.02	0.04	25.06
						465.0	-2.63	-65.32	-0.08	-1.02	-0.16	-63.63
11	269	32.32	5.80e-04	-5.44e-04	-118.69	0.0	-2.08	45.00	-3.30e-04	-0.02	5.80e-04	-7.34
		-74.06	-9.56e-04	0.0	0.0	232.5	-2.08	-14.35	-3.30e-04	-0.02	-1.88e-04	28.29
						465.0	-2.08	-73.69	-3.30e-04	-0.02	-9.56e-04	-74.06
11	275	31.07	5.60e-04	-5.20e-04	-113.69	0.0	-2.39	42.79	-3.22e-04	-0.02	5.60e-04	-6.37
		-71.73	-9.39e-04	0.0	0.0	232.5	-2.39	-14.06	-3.22e-04	-0.02	-1.90e-04	27.03
						465.0	-2.39	-70.90	-3.22e-04	-0.02	-9.39e-04	-71.73
11	313	29.48	0.04	-5.02e-04	-108.69	0.0	-2.24	41.62	0.02	-0.23	-0.04	-7.56
		-66.73	-0.04	-4.88e-05	0.0	232.5	-2.24	-12.73	0.02	-0.23	4.10e-03	26.03
						465.0	-2.24	-67.07	0.02	-0.23	0.04	-66.73
11	333	29.40	0.04	-4.91e-04	-108.69	0.0	-0.41	41.56	-0.02	0.62	0.04	-7.53
		-66.98	-0.04	4.88e-05	0.0	232.5	-0.41	-12.78	-0.02	0.62	-4.09e-03	25.92
						465.0	-0.41	-67.13	-0.02	0.62	-0.04	-66.98
11	335	30.76	0.04	-5.14e-04	-113.69	0.0	-0.47	43.48	-0.02	0.62	0.04	-7.89

		-70.03	-0.04	4.88e-05	0.0	232.5	-0.47	-13.36	-0.02	0.62	-4.09e-03	27.12
						465.0	-0.47	-70.21	-0.02	0.62	-0.04	-70.03
11	343	29.99	5.74e-04	-5.06e-04	-110.69	0.0	-1.40	42.36	-3.23e-04	-0.02	5.74e-04	-7.69
		-68.08	-9.26e-04	0.0	0.0	232.5	-1.40	-12.99	-3.23e-04	-0.02	-1.76e-04	26.46
						465.0	-1.40	-68.33	-3.23e-04	-0.02	-9.26e-04	-68.08
11	346	29.50	5.66e-04	-4.97e-04	-108.69	0.0	-1.56	41.45	-3.19e-04	-0.02	5.66e-04	-7.24
		-67.22	-9.20e-04	0.0	0.0	232.5	-1.56	-12.90	-3.19e-04	-0.02	-1.77e-04	25.95
						465.0	-1.56	-67.25	-3.19e-04	-0.02	-9.20e-04	-67.22
11	350	29.45	8.03e-03	-4.98e-04	-108.69	0.0	-1.55	41.60	3.16e-03	-0.06	-6.67e-03	-7.55
		-66.83	-6.67e-03	-9.64e-06	0.0	232.5	-1.55	-12.75	3.16e-03	-0.06	6.81e-04	25.99
						465.0	-1.55	-67.10	3.16e-03	-0.06	8.03e-03	-66.83
11	352	29.44	7.60e-03	-4.95e-04	-108.69	0.0	-1.18	41.59	-3.68e-03	0.11	7.60e-03	-7.54
		-66.88	-9.51e-03	9.88e-06	0.0	232.5	-1.18	-12.76	-3.68e-03	0.11	-9.58e-04	25.97
						465.0	-1.18	-67.11	-3.68e-03	0.11	-9.51e-03	-66.88
11	354	29.44	5.70e-04	-4.97e-04	-108.69	0.0	-1.37	41.59	-3.20e-04	-0.02	5.70e-04	-7.54
		-66.86	-9.19e-04	0.0	0.0	232.5	-1.37	-12.76	-3.20e-04	-0.02	-1.75e-04	25.98
						465.0	-1.37	-67.10	-3.20e-04	-0.02	-9.19e-04	-66.86
12	81	73.38	5.39e-04	-1.60e-03	-195.21	0.0	-4.05	114.53	2.94e-04	-0.05	-1.06e-03	-109.40
		-109.40	-1.06e-03	0.0	0.0	272.5	-4.05	16.92	2.94e-04	-0.05	-2.61e-04	69.70
						545.0	-4.05	-80.68	2.94e-04	-0.05	5.39e-04	-17.17
12	91	70.14	5.26e-04	-1.53e-03	-186.42	0.0	-4.47	109.75	2.92e-04	-0.05	-1.06e-03	-105.58
		-105.58	-1.06e-03	0.0	0.0	272.5	-4.47	16.54	2.92e-04	-0.05	-2.68e-04	66.49
						545.0	-4.47	-76.67	2.92e-04	-0.05	5.26e-04	-15.43
12	137	43.32	0.03	-9.41e-04	-115.38	0.0	-3.16	67.28	-7.04e-03	0.36	0.03	-63.46
		-63.46	-8.25e-03	-7.06e-05	0.0	272.5	-3.16	9.59	-7.04e-03	0.36	0.01	41.28
						545.0	-3.16	-48.10	-7.04e-03	0.36	-8.25e-03	-11.19
12	171	69.98	7.83e-03	-1.54e-03	-186.42	0.0	-1.59	108.99	6.84e-03	-0.84	-0.03	-103.40
		-103.40	-0.03	7.08e-05	0.0	272.5	-1.59	15.78	6.84e-03	-0.84	-0.01	66.59
						545.0	-1.59	-77.43	6.84e-03	-0.84	7.83e-03	-17.41
12	177	43.31	7.56e-03	-9.57e-04	-115.38	0.0	-0.43	67.50	6.70e-03	-0.71	-0.03	-64.12
		-64.12	-0.03	7.08e-05	0.0	272.5	-0.43	9.81	6.70e-03	-0.71	-0.01	41.20
						545.0	-0.43	-47.88	6.70e-03	-0.71	7.56e-03	-10.68
12	188	57.26	0.28	-1.24e-03	-127.39	0.0	-1.11	81.64	-0.12	-0.11	0.28	-85.21
		-85.21	-0.40	1.71e-03	0.0	272.5	-1.11	17.94	-0.12	-0.11	-0.06	50.47
						545.0	-1.11	-45.76	-0.12	-0.11	-0.40	12.56
12	191	57.46	0.27	-1.24e-03	-127.39	0.0	-2.20	81.48	-0.12	1.11	0.27	-83.94
		-83.94	-0.36	1.49e-03	0.0	272.5	-2.20	17.78	-0.12	1.11	-0.05	50.88
						545.0	-2.20	-45.91	-0.12	1.11	-0.36	12.13
12	206	46.87	0.40	-1.05e-03	-127.39	0.0	-0.44	73.80	-0.18	-1.47	0.40	-69.53
		-69.53	-0.58	2.17e-03	0.0	272.5	-0.44	10.10	-0.18	-1.47	-0.09	44.79
						545.0	-0.44	-53.59	-0.18	-1.47	-0.58	-14.47
12	207	48.77	0.58	-1.05e-03	-127.39	0.0	-3.70	75.02	0.18	1.50	-0.40	-71.36
		-71.36	-0.40	-2.17e-03	0.0	272.5	-3.70	11.32	0.18	1.50	0.09	46.27
						545.0	-3.70	-52.38	0.18	1.50	0.58	-9.67
12	213	47.90	0.36	-1.06e-03	-127.39	0.0	-4.06	73.28	-0.15	2.58	0.36	-65.33
		-65.33	-0.47	1.43e-03	0.0	272.5	-4.06	9.58	-0.15	2.58	-0.06	46.17
						545.0	-4.06	-54.11	-0.15	2.58	-0.47	-15.91
12	216	47.89	0.47	-1.04e-03	-127.39	0.0	-0.08	75.54	0.15	-2.55	-0.36	-75.57
		-75.57	-0.36	-1.43e-03	0.0	272.5	-0.08	11.84	0.15	-2.55	0.06	44.89
						545.0	-0.08	-51.85	0.15	-2.55	0.47	-8.22
12	220	52.28	0.14	-1.14e-03	-127.39	0.0	-1.61	77.98	-0.06	-0.03	0.14	-77.74
		-77.74	-0.20	8.45e-04	0.0	272.5	-1.61	14.28	-0.06	-0.03	-0.03	47.97
						545.0	-1.61	-49.41	-0.06	-0.03	-0.20	0.11
12	223	52.39	0.14	-1.14e-03	-127.39	0.0	-2.13	77.91	-0.06	0.55	0.14	-77.11
		-77.11	-0.19	7.33e-04	0.0	272.5	-2.13	14.21	-0.06	0.55	-0.03	48.19
						545.0	-2.13	-49.48	-0.06	0.55	-0.19	-0.09
12	238	47.36	0.20	-1.05e-03	-127.39	0.0	-1.29	74.10	-0.09	-0.71	0.20	-69.97
		-69.97	-0.29	1.01e-03	0.0	272.5	-1.29	10.40	-0.09	-0.71	-0.05	45.17
						545.0	-1.29	-53.29	-0.09	-0.71	-0.29	-13.27
12	239	48.29	0.29	-1.05e-03	-127.39	0.0	-2.85	74.72	0.09	0.75	-0.20	-70.93
		-70.93	-0.20	-1.01e-03	0.0	272.5	-2.85	11.02	0.09	0.75	0.05	45.89
						545.0	-2.85	-52.67	0.09	0.75	0.29	-10.86
12	245	47.90	0.18	-1.05e-03	-127.39	0.0	-3.03	73.86	-0.08	1.24	0.18	-67.86
		-67.86	-0.24	6.34e-04	0.0	272.5	-3.03	10.16	-0.08	1.24	-0.03	45.88
						545.0	-3.03	-53.53	-0.08	1.24	-0.24	-13.95
12	248	47.75	0.24	-1.04e-03	-127.39	0.0	-1.11	74.96	0.08	-1.20	-0.18	-73.04
		-73.04	-0.18	-6.34e-04	0.0	272.5	-1.11	11.26	0.08	-1.20	0.03	45.18
						545.0	-1.11	-52.43	0.08	-1.20	0.24	-10.18
12	289	52.29	3.53e-04	-1.14e-03	-139.11	0.0	-2.84	81.59	1.93e-04	0.02	-7.01e-04	-77.89
		-77.89	-7.01e-04	0.0	0.0	272.5	-2.84	12.04	1.93e-04	0.02	-1.74e-04	49.68
						545.0	-2.84	-57.52	1.93e-04	0.02	3.53e-04	-12.30
12	295	50.13	3.45e-04	-1.09e-03	-133.25	0.0	-3.13	78.41	1.92e-04	0.02	-7.02e-04	-75.34
		-75.34	-7.02e-04	0.0	0.0	272.5	-3.13	11.78	1.92e-04	0.02	-1.79e-04	47.54
						545.0	-3.13	-54.85	1.92e-04	0.02	3.45e-04	-11.14
12	313	47.82	0.02	-1.04e-03	-127.39	0.0	-2.93	74.34	-4.60e-03	0.20	0.02	-70.23
		-70.23	-5.33e-03	-4.71e-05	0.0	272.5	-2.93	10.64	-4.60e-03	0.20	7.21e-03	45.56
						545.0	-2.93	-53.06	-4.60e-03	0.20	-5.33e-03	-12.24

12	333	47.82	5.21e-03	-1.05e-03	-127.39	0.0	-1.11	74.48	4.55e-03	-0.51	-0.02	-70.67
		-70.67	-0.02	4.72e-05	0.0	272.5	-1.11	10.78	4.55e-03	-0.51	-7.20e-03	45.50
						545.0	-1.11	-52.91	4.55e-03	-0.51	5.21e-03	-11.90
12	335	50.02	5.21e-03	-1.10e-03	-133.25	0.0	-1.21	77.90	4.56e-03	-0.51	-0.02	-73.89
		-73.89	-0.02	4.72e-05	0.0	272.5	-1.21	11.27	4.56e-03	-0.51	-7.20e-03	47.60
						545.0	-1.21	-55.35	4.56e-03	-0.51	5.21e-03	-12.46
12	343	48.70	3.50e-04	-1.07e-03	-129.74	0.0	-2.11	75.78	1.86e-04	0.02	-6.66e-04	-71.74
		-71.74	-6.66e-04	0.0	0.0	272.5	-2.11	10.91	1.86e-04	0.02	-1.58e-04	46.37
						545.0	-2.11	-53.96	1.86e-04	0.02	3.50e-04	-12.29
12	348	47.84	3.46e-04	-1.05e-03	-127.39	0.0	-2.26	74.53	1.86e-04	0.02	-6.67e-04	-70.78
		-70.78	-6.67e-04	0.0	0.0	272.5	-2.26	10.83	1.86e-04	0.02	-1.61e-04	45.51
						545.0	-2.26	-52.87	1.86e-04	0.02	3.46e-04	-11.77
12	350	47.82	3.42e-03	-1.05e-03	-127.39	0.0	-2.24	74.39	-7.72e-04	0.05	3.42e-03	-70.40
		-70.40	-7.88e-04	-9.50e-06	0.0	272.5	-2.24	10.70	-7.72e-04	0.05	1.32e-03	45.54
						545.0	-2.24	-53.00	-7.72e-04	0.05	-7.88e-04	-12.10
12	352	47.82	1.32e-03	-1.05e-03	-127.39	0.0	-1.88	74.42	1.06e-03	-0.09	-4.45e-03	-70.49
		-70.49	-4.45e-03	9.36e-06	0.0	272.5	-1.88	10.73	1.06e-03	-0.09	-1.56e-03	45.52
						545.0	-1.88	-52.97	1.06e-03	-0.09	1.32e-03	-12.03
12	354	47.82	3.48e-04	-1.05e-03	-127.39	0.0	-2.07	74.41	1.85e-04	0.02	-6.62e-04	-70.45
		-70.45	-6.62e-04	0.0	0.0	272.5	-2.07	10.71	1.85e-04	0.02	-1.57e-04	45.53
						545.0	-2.07	-52.98	1.85e-04	0.02	3.48e-04	-12.07
13	99	12.51	2.23e-04	-2.20e-04	-28.17	0.0	-0.12	14.08	0.0	0.0	2.23e-04	-2.63
		-2.63	2.23e-04	0.0	0.0	215.0	-0.12	0.0	0.0	0.0	2.23e-04	12.51
						430.0	-0.12	-14.08	0.0	0.0	2.23e-04	-2.63
13	129	19.52	0.05	-3.40e-04	-43.54	0.0	-1.14	16.44	0.02	0.02	-0.05	6.18
		-16.75	-0.05	-5.85e-05	0.0	215.0	-1.14	-5.33	0.02	0.02	-7.06e-05	18.12
						430.0	-1.14	-27.10	0.02	0.02	0.05	-16.75
13	131	19.52	0.05	-3.40e-04	-43.54	0.0	-1.13	16.44	0.02	0.02	-0.05	6.18
		-16.74	-0.05	-5.85e-05	0.0	215.0	-1.13	-5.33	0.02	0.02	-6.41e-05	18.12
						430.0	-1.13	-27.10	0.02	0.02	0.05	-16.74
13	137	13.59	0.05	-2.25e-04	-28.17	0.0	-0.99	8.75	0.02	0.02	-0.05	7.75
		-15.18	-0.05	-5.85e-05	0.0	215.0	-0.99	-5.33	0.02	0.02	-2.92e-04	11.42
						430.0	-0.99	-19.41	0.02	0.02	0.05	-15.18
13	186	14.22	0.15	-2.29e-04	-31.18	0.0	-0.24	18.14	0.07	-0.15	-0.15	-8.45
		-8.45	-0.15	-3.93e-05	0.0	215.0	-0.24	2.55	0.07	-0.15	2.28e-04	13.79
						430.0	-0.24	-13.03	0.07	-0.15	0.15	2.52
13	187	14.20	0.15	-2.56e-04	-31.18	0.0	-0.37	13.03	-0.07	0.15	0.15	2.51
		-8.47	-0.15	3.93e-05	0.0	215.0	-0.37	-2.55	-0.07	0.15	3.60e-04	13.78
						430.0	-0.37	-18.14	-0.07	0.15	-0.15	-8.47
13	201	32.22	0.97	-3.29e-04	-31.18	0.0	-0.29	-0.78	0.45	-0.79	-0.97	32.22
		-38.16	-0.97	-1.99e-03	0.0	215.0	-0.29	-16.37	0.45	-0.79	2.74e-04	13.79
						430.0	-0.29	-31.95	0.45	-0.79	0.97	-38.16
13	204	32.21	0.97	-2.05e-04	-31.18	0.0	-0.32	31.95	-0.45	0.79	0.97	-38.16
		-38.16	-0.97	1.99e-03	0.0	215.0	-0.32	16.37	-0.45	0.79	3.14e-04	13.78
						430.0	-0.32	0.78	-0.45	0.79	-0.97	32.21
13	218	13.82	0.08	-2.36e-04	-31.18	0.0	-0.27	16.68	0.04	-0.08	-0.08	-5.33
		-5.33	-0.08	4.06e-06	0.0	215.0	-0.27	1.10	0.04	-0.08	2.65e-04	13.79
						430.0	-0.27	-14.49	0.04	-0.08	0.08	-0.61
13	219	13.81	0.08	-2.49e-04	-31.18	0.0	-0.33	14.49	-0.04	0.08	0.08	-0.62
		-5.33	-0.08	-4.06e-06	0.0	215.0	-0.33	-1.10	-0.04	0.08	3.23e-04	13.78
						430.0	-0.33	-16.68	-0.04	0.08	-0.08	-5.33
13	233	17.87	0.49	-2.77e-04	-31.18	0.0	-0.29	7.89	0.23	-0.40	-0.49	13.57
		-19.51	-0.49	-9.88e-04	0.0	215.0	-0.29	-7.69	0.23	-0.40	2.85e-04	13.79
						430.0	-0.29	-23.28	0.23	-0.40	0.49	-19.51
13	236	17.86	0.49	-2.20e-04	-31.18	0.0	-0.31	23.28	-0.23	0.40	0.49	-19.51
		-19.51	-0.49	9.88e-04	0.0	215.0	-0.31	7.69	-0.23	0.40	3.03e-04	13.78
						430.0	-0.31	-7.89	-0.23	0.40	-0.49	13.57
13	295	13.78	2.91e-04	-2.42e-04	-31.18	0.0	-0.20	15.59	0.0	0.0	2.91e-04	-2.97
		-2.97	2.91e-04	0.0	0.0	215.0	-0.20	0.0	0.0	0.0	2.91e-04	13.78
						430.0	-0.20	-15.59	0.0	0.0	2.91e-04	-2.97
13	313	13.93	0.03	-2.44e-04	-31.18	0.0	-0.78	12.03	0.02	0.02	-0.03	3.95
		-11.33	-0.03	-3.90e-05	0.0	215.0	-0.78	-3.55	0.02	0.02	-5.23e-05	13.06
						430.0	-0.78	-19.14	0.02	0.02	0.03	-11.33
13	315	13.93	0.03	-2.44e-04	-31.18	0.0	-0.77	12.03	0.02	0.02	-0.03	3.95
		-11.33	-0.03	-3.90e-05	0.0	215.0	-0.77	-3.55	0.02	0.02	-4.79e-05	13.06
						430.0	-0.77	-19.14	0.02	0.02	0.03	-11.33
13	343	13.79	2.96e-04	-2.42e-04	-31.18	0.0	-0.30	15.59	0.0	0.0	2.96e-04	-2.97
		-2.97	2.96e-04	0.0	0.0	215.0	-0.30	0.0	0.0	0.0	2.96e-04	13.79
						430.0	-0.30	-15.59	0.0	0.0	2.96e-04	-2.97
13	348	13.78	2.93e-04	-2.42e-04	-31.18	0.0	-0.29	15.59	0.0	0.0	2.93e-04	-2.97
		-2.97	2.93e-04	0.0	0.0	215.0	-0.29	0.0	0.0	0.0	2.93e-04	13.78
						430.0	-0.29	-15.59	0.0	0.0	2.93e-04	-2.97
13	350	13.64	6.93e-03	-2.43e-04	-31.18	0.0	-0.40	14.88	3.12e-03	3.10e-03	-6.48e-03	-1.59
		-4.64	-6.48e-03	-7.80e-06	0.0	215.0	-0.40	-0.71	3.12e-03	3.10e-03	2.25e-04	13.64
						430.0	-0.40	-16.30	3.12e-03	3.10e-03	6.93e-03	-4.64
13	354	13.78	2.94e-04	-2.42e-04	-31.18	0.0	-0.30	15.59	0.0	0.0	2.94e-04	-2.97
		-2.97	2.94e-04	0.0	0.0	215.0	-0.30	0.0	0.0	0.0	2.94e-04	13.78

						430.0	-0.30	-15.59	0.0	0.0	2.94e-04	-2.97

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T
	-109.40	-0.97	-2.17e-03	-195.21		-4.47	-103.45	-0.45	-2.84
	73.38	0.97	2.17e-03	0.0		1.25	114.53	0.45	2.84

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN/ m2	cm	kN	kN	kN	kN m	kN m	kN m
20	49	-1.06	-4.40e-05	1.50e-05	-48.10	0.0	6.71e-06	-50.18	0.0	0.33	-4.40e-05	-1.06
		-53.12	-4.40e-05	0.0		215.0	6.71e-06	0.0	0.0	0.0	-4.40e-05	-53.12
						430.0	6.71e-06	50.18	0.0	-0.33	-4.40e-05	-1.06
20	81	-0.85	-5.31e-05	1.71e-05	-51.84	0.0	6.67e-06	-57.30	0.0	0.63	-5.31e-05	-0.85
		-60.31	-5.31e-05	0.0		215.0	6.67e-06	0.0	0.0	0.0	-5.31e-05	-60.31
						430.0	6.67e-06	57.30	0.0	-0.63	-5.31e-05	-0.85
20	131	15.37	0.03	3.32e-05	-55.19	0.0	2.84e-06	-57.89	-0.01	-0.86	0.03	15.37
		-57.90	-0.03	0.0		215.0	2.84e-06	-8.86	-0.01	-1.23	-2.50e-06	-56.38
						430.0	2.84e-06	50.66	-0.01	-1.92	-0.03	-15.40
20	137	15.69	0.03	3.32e-05	-40.59	0.0	0.0	-38.73	-0.01	-1.03	0.03	15.69
		-38.67	-0.03	0.0		215.0	0.0	-8.86	-0.01	-1.23	1.90e-05	-36.17
						430.0	0.0	31.50	-0.01	-1.75	-0.03	-15.07
20	139	15.71	0.03	3.32e-05	-41.29	0.0	0.0	-40.38	-0.01	-1.03	0.03	15.71
		-40.26	-0.03	0.0		215.0	0.0	-8.86	-0.01	-1.23	1.81e-05	-37.86
						430.0	0.0	33.15	-0.01	-1.75	-0.03	-15.06
20	189	13.78	0.20	-5.53e-05	-46.99	0.0	4.87e-06	-25.50	-0.09	-1.03	0.20	13.78
		-30.49	-0.20	0.0		215.0	4.87e-06	8.19	-0.09	-1.10	-3.36e-05	-30.49
						430.0	4.87e-06	48.78	-0.09	-2.23	-0.20	13.17
20	192	-14.53	0.20	5.53e-05	-30.28	0.0	4.76e-06	-50.70	0.09	1.81	-0.20	-15.14
		-51.15	-0.20	0.0		215.0	4.76e-06	-8.19	0.09	1.10	-2.75e-05	-49.94
						430.0	4.76e-06	27.42	0.09	1.45	0.20	-14.53
20	200	-19.33	0.53	4.89e-05	-31.73	0.0	4.76e-06	-47.16	-0.24	2.69	0.53	-19.33
		-52.32	-0.53	0.0		215.0	4.76e-06	-11.04	-0.24	1.49	-2.75e-05	-49.61
						430.0	4.76e-06	24.52	-0.24	0.79	-0.53	-20.13
20	201	18.07	0.87	-5.88e-05	-46.41	0.0	4.83e-06	-31.95	-0.40	-1.98	0.87	18.07
		-37.30	-0.87	0.0		215.0	4.83e-06	11.34	-0.40	-2.06	-3.15e-05	-37.30
						430.0	4.83e-06	43.67	-0.40	-2.89	-0.87	17.89
20	204	-19.25	0.87	5.88e-05	-32.58	0.0	4.80e-06	-44.25	0.40	2.76	-0.87	-19.43
		-46.45	-0.87	0.0		215.0	4.80e-06	-11.34	0.40	2.06	-2.96e-05	-43.13
						430.0	4.80e-06	32.53	0.40	2.11	0.87	-19.25
20	213	32.12	0.65	-8.09e-05	-50.40	0.0	4.83e-06	-29.91	0.30	-3.07	-0.65	31.88
		-37.40	-0.65	0.0		215.0	4.83e-06	19.28	0.30	-2.90	-3.15e-05	-37.40
						430.0	4.83e-06	47.65	0.30	-3.51	0.65	32.12
20	221	6.41	0.11	-2.70e-05	-41.91	0.0	4.84e-06	-31.91	-0.05	-0.31	0.11	6.41
		-35.39	-0.11	0.0		215.0	4.84e-06	4.02	-0.05	-0.54	-3.19e-05	-35.39
						430.0	4.84e-06	43.40	-0.05	-1.28	-0.11	6.13
20	224	-7.49	0.11	2.86e-05	-33.15	0.0	4.79e-06	-44.29	0.05	1.09	-0.11	-7.76
		-45.30	-0.11	0.0		215.0	4.79e-06	-4.02	0.05	0.54	-2.92e-05	-45.04
						430.0	4.79e-06	32.80	0.05	0.50	0.11	-7.49
20	232	-9.91	0.27	2.73e-05	-34.06	0.0	4.79e-06	-42.53	-0.13	1.52	0.27	-9.91
		-45.59	-0.27	0.0		215.0	4.79e-06	-5.46	-0.13	0.73	-2.92e-05	-44.86
						430.0	4.79e-06	31.39	-0.13	0.19	-0.27	-10.30
20	233	8.84	0.44	-2.90e-05	-41.65	0.0	4.83e-06	-34.93	-0.20	-0.77	0.44	8.84
		-38.77	-0.44	0.0		215.0	4.83e-06	5.72	-0.20	-1.00	-3.10e-05	-38.77
						430.0	4.83e-06	41.00	-0.20	-1.60	-0.44	8.76
20	236	-10.12	0.44	2.90e-05	-33.30	0.0	4.81e-06	-41.27	0.20	1.54	-0.44	-10.20
		-42.53	-0.44	0.0		215.0	4.81e-06	-5.72	0.20	1.00	-3.01e-05	-41.66
						430.0	4.81e-06	35.20	0.20	0.82	0.44	-10.12
20	245	15.01	0.33	-3.86e-05	-43.45	0.0	4.83e-06	-34.17	0.15	-1.27	-0.33	14.89
		-38.82	-0.33	0.0		215.0	4.83e-06	9.21	0.15	-1.39	-3.10e-05	-38.82
						430.0	4.83e-06	42.71	0.15	-1.88	0.33	15.01
20	273	-0.75	-2.96e-05	1.09e-05	-36.08	0.0	4.83e-06	-36.50	0.0	0.25	-2.96e-05	-0.75
		-38.63	-2.96e-05	0.0		215.0	4.83e-06	0.0	0.0	0.0	-2.96e-05	-38.63
						430.0	4.83e-06	36.50	0.0	-0.25	-2.96e-05	-0.75
20	289	-0.61	-3.57e-05	1.23e-05	-38.57	0.0	4.80e-06	-41.25	0.0	0.46	-3.57e-05	-0.61
		-43.42	-3.57e-05	0.0		215.0	4.80e-06	0.0	0.0	0.0	-3.57e-05	-43.42
						430.0	4.80e-06	41.25	0.0	-0.46	-3.57e-05	-0.61
20	313	10.19	0.02	2.22e-05	-40.34	0.0	2.25e-06	-40.55	-8.68e-03	-0.54	0.02	10.19
		-40.65	-0.02	0.0		215.0	2.25e-06	-5.90	-8.68e-03	-0.82	-1.33e-06	-39.67
						430.0	2.25e-06	35.73	-8.68e-03	-1.31	-0.02	-10.32
20	315	10.20	0.02	2.22e-05	-40.81	0.0	2.25e-06	-41.65	-8.68e-03	-0.54	0.02	10.20
		-41.77	-0.02	0.0		215.0	2.25e-06	-5.90	-8.68e-03	-0.82	-1.93e-06	-40.80
						430.0	2.25e-06	36.83	-8.68e-03	-1.31	-0.02	-10.31
20	343	-0.67	-3.08e-05	1.15e-05	-37.25	0.0	4.81e-06	-38.54	0.0	0.39	-3.08e-05	-0.67
		-40.67	-3.08e-05	0.0		215.0	4.81e-06	0.0	0.0	0.0	-3.08e-05	-40.67
						430.0	4.81e-06	38.54	0.0	-0.39	-3.08e-05	-0.67
20	346	-0.69	-3.04e-05	1.13e-05	-36.87	0.0	4.82e-06	-37.78	0.0	0.36	-3.04e-05	-0.69
		-39.90	-3.04e-05	0.0		215.0	4.82e-06	0.0	0.0	0.0	-3.04e-05	-39.90

						430.0	4.82e-06	37.78	0.0	-0.36	-3.04e-05	-0.69
20	350	1.49	3.71e-03	1.16e-05	-37.72	0.0	4.30e-06	-38.59	-1.74e-03	0.20	3.71e-03	1.49
		-40.11	-3.76e-03	0.0		215.0	4.30e-06	-1.18	-1.74e-03	-0.16	-2.47e-05	-40.11
						430.0	4.30e-06	37.63	-1.74e-03	-0.57	-3.76e-03	-2.61
20	354	-0.68	-3.06e-05	1.14e-05	-37.06	0.0	4.82e-06	-38.10	0.0	0.39	-3.06e-05	-0.68
		-40.22	-3.06e-05	0.0		215.0	4.82e-06	0.0	0.0	0.0	-3.06e-05	-40.22
						430.0	4.82e-06	38.10	0.0	-0.39	-3.06e-05	-0.68
21	57	53.05	2.25e-05	5.82e-06	-36.40	0.0	-3.17e-06	-29.06	1.43e-05	-0.53	-4.38e-05	5.39
		-19.74	-4.38e-05	0.0		232.5	-3.17e-06	9.69	1.43e-05	0.07	-1.06e-05	-16.92
						465.0	-3.17e-06	51.36	1.43e-05	0.68	2.25e-05	53.05
21	81	94.42	5.57e-05	9.73e-06	-52.97	0.0	6.68e-06	-43.53	3.38e-05	-1.03	-1.02e-04	-10.13
		-42.83	-1.02e-04	0.0		232.5	6.68e-06	21.81	3.38e-05	-0.01	-2.29e-05	-34.26
						465.0	6.68e-06	90.23	3.38e-05	1.00	5.57e-05	94.42
21	91	90.81	5.94e-05	9.40e-06	-52.17	0.0	7.57e-06	-41.98	3.59e-05	-1.05	-1.08e-04	-12.73
		-43.72	-1.08e-04	0.0		232.5	7.57e-06	21.77	3.59e-05	-0.06	-2.41e-05	-34.85
						465.0	7.57e-06	87.53	3.59e-05	0.92	5.94e-05	90.81
21	137	56.90	0.02	-1.16e-05	-33.97	0.0	3.02e-06	-18.86	-8.56e-03	0.69	0.02	-4.67
		-18.23	-0.02	0.0		232.5	3.02e-06	12.21	-8.56e-03	0.62	2.01e-03	-12.85
						465.0	3.02e-06	48.91	-8.56e-03	0.74	-0.02	56.90
21	171	87.50	0.02	1.02e-05	-56.79	0.0	4.66e-06	-51.55	8.56e-03	-2.30	-0.02	-4.16
		-45.68	-0.02	0.0		232.5	4.66e-06	19.67	8.56e-03	-0.70	-2.00e-03	-39.18
						465.0	4.66e-06	90.27	8.56e-03	0.70	0.02	87.50
21	185	73.00	0.47	-2.59e-05	-43.94	0.0	6.54e-06	-21.67	-0.19	-1.65	0.47	23.83
		-9.30	-0.40	0.0		232.5	6.54e-06	22.51	-0.19	-0.57	0.04	-8.64
						465.0	6.54e-06	70.38	-0.19	0.31	-0.40	73.00
21	188	48.91	0.40	2.36e-05	-36.56	0.0	0.0	-38.58	0.19	0.29	-0.47	-31.25
		-48.07	-0.47	0.0		232.5	0.0	4.46	0.19	0.56	-0.04	-36.03
						465.0	0.0	47.68	0.19	1.03	0.40	48.91
21	189	73.88	0.16	-3.00e-05	-45.21	0.0	6.53e-06	-19.35	-0.06	-2.04	0.16	24.54
		-8.44	-0.14	0.0		232.5	6.53e-06	22.50	-0.06	-0.82	0.01	-7.62
						465.0	6.53e-06	70.68	-0.06	0.15	-0.14	73.88
21	200	51.41	0.42	4.02e-05	-36.24	0.0	0.0	-40.93	-0.17	1.71	0.42	-25.64
		-49.92	-0.35	0.0		232.5	0.0	5.91	-0.17	1.48	0.03	-40.94
						465.0	0.0	45.97	-0.17	1.69	-0.35	51.41
21	206	60.42	0.58	2.99e-05	-34.78	0.0	4.01e-06	-41.19	0.27	0.81	-0.69	-1.73
		-33.96	-0.69	0.0		232.5	4.01e-06	14.58	0.27	0.72	-0.06	-30.68
						465.0	4.01e-06	54.46	0.27	0.92	0.58	60.42
21	207	61.50	0.69	-2.79e-05	-43.64	0.0	2.46e-06	-19.07	-0.27	-2.18	0.69	-5.69
		-21.35	-0.58	0.0		232.5	2.46e-06	12.39	-0.27	-0.73	0.06	-13.99
						465.0	2.46e-06	63.60	-0.27	0.42	-0.58	61.50
21	217	66.94	0.24	-1.35e-05	-40.79	0.0	4.87e-06	-25.90	-0.10	-1.19	0.24	9.97
		-17.96	-0.20	0.0		232.5	4.87e-06	17.95	-0.10	-0.31	0.02	-15.57
						465.0	4.87e-06	64.62	-0.10	0.47	-0.20	66.94
21	220	54.97	0.20	1.48e-05	-37.24	0.0	1.60e-06	-34.36	0.10	-0.17	-0.24	-17.39
		-37.26	-0.24	0.0		232.5	1.60e-06	9.01	0.10	0.30	-0.02	-29.10
						465.0	1.60e-06	53.44	0.10	0.87	0.20	54.97
21	221	67.31	0.09	-1.53e-05	-41.34	0.0	4.87e-06	-24.88	-0.03	-1.36	0.09	10.22
		-17.65	-0.07	0.0		232.5	4.87e-06	17.94	-0.03	-0.42	6.89e-03	-15.10
						465.0	4.87e-06	64.76	-0.03	0.40	-0.07	67.31
21	232	56.28	0.21	2.16e-05	-37.08	0.0	1.61e-06	-35.48	-0.08	0.50	0.21	-14.50
		-38.32	-0.18	0.0		232.5	1.61e-06	9.75	-0.08	0.73	0.02	-31.46
						465.0	1.61e-06	52.62	-0.08	1.18	-0.18	56.28
21	238	60.57	0.29	1.77e-05	-36.41	0.0	3.62e-06	-35.62	0.14	0.07	-0.35	-2.96
		-30.26	-0.35	0.0		232.5	3.62e-06	14.00	0.14	0.37	-0.03	-26.28
						465.0	3.62e-06	56.92	0.14	0.82	0.29	60.57
21	239	61.34	0.35	-1.41e-05	-40.54	0.0	2.85e-06	-24.64	-0.14	-1.43	0.35	-4.46
		-24.49	-0.29	0.0		232.5	2.85e-06	12.97	-0.14	-0.38	0.03	-18.39
						465.0	2.85e-06	61.14	-0.14	0.52	-0.29	61.34
21	273	59.18	2.94e-05	6.17e-06	-37.91	0.0	0.0	-31.00	1.83e-05	-0.61	-5.58e-05	2.12
		-23.62	-5.58e-05	0.0		232.5	0.0	11.72	1.83e-05	0.04	-1.32e-05	-19.89
						465.0	0.0	57.21	1.83e-05	0.71	2.94e-05	59.18
21	289	67.58	3.75e-05	6.96e-06	-39.35	0.0	4.68e-06	-31.45	2.27e-05	-0.74	-6.83e-05	-7.01
		-30.71	-6.83e-05	0.0		232.5	4.68e-06	15.57	2.27e-05	-8.68e-03	-1.54e-05	-24.65
						465.0	4.68e-06	64.73	2.27e-05	0.72	3.75e-05	67.58
21	295	65.17	4.00e-05	6.74e-06	-38.83	0.0	5.28e-06	-30.42	2.41e-05	-0.76	-7.22e-05	-8.74
		-31.30	-7.22e-05	0.0		232.5	5.28e-06	15.54	2.41e-05	-0.04	-1.61e-05	-25.04
						465.0	5.28e-06	62.93	2.41e-05	0.66	4.00e-05	65.17
21	313	61.75	0.01	8.57e-06	-36.29	0.0	3.29e-06	-24.21	-5.70e-03	0.20	0.01	-4.59
		-22.65	-0.01	0.0		232.5	3.29e-06	13.41	-5.70e-03	0.41	1.33e-03	-17.18
						465.0	3.29e-06	55.57	-5.70e-03	0.75	-0.01	61.75
21	335	62.97	0.01	7.25e-06	-41.91	0.0	3.33e-06	-36.80	5.70e-03	-1.59	-0.01	-3.03
		-32.62	-0.01	0.0		232.5	3.33e-06	14.14	5.70e-03	-0.46	-1.33e-03	-27.93
						465.0	3.33e-06	64.76	5.70e-03	0.52	0.01	62.97
21	343	62.13	3.19e-05	6.34e-06	-38.18	0.0	3.30e-06	-30.45	1.95e-05	-0.69	-5.87e-05	-3.79
		-27.43	-5.87e-05	0.0		232.5	3.30e-06	13.73	1.95e-05	2.30e-04	-1.34e-05	-22.53
						465.0	3.30e-06	59.99	1.95e-05	0.69	3.19e-05	62.13
21	346	60.60	3.12e-05	6.16e-06	-37.89	0.0	2.42e-06	-30.30	1.91e-05	-0.67	-5.77e-05	-2.54

		-26.38	-5.77e-05	0.0		232.5	2.42e-06	13.13	1.91e-05	4.79e-03	-1.33e-05	-21.84
						465.0	2.42e-06	58.66	1.91e-05	0.68	3.12e-05	60.60
21	348	61.22	3.31e-05	6.26e-06	-37.88	0.0	3.61e-06	-30.02	2.02e-05	-0.70	-6.08e-05	-4.68
		-27.80	-6.08e-05	0.0		232.5	3.61e-06	13.77	2.02e-05	-0.01	-1.38e-05	-22.78
						465.0	3.61e-06	59.33	2.02e-05	0.66	3.31e-05	61.22
21	350	61.12	2.87e-03	6.35e-06	-37.57	0.0	3.25e-06	-28.94	-1.12e-03	-0.51	2.87e-03	-3.89
		-26.22	-2.36e-03	0.0		232.5	3.25e-06	13.47	-1.12e-03	0.08	2.56e-04	-21.30
						465.0	3.25e-06	58.34	-1.12e-03	0.69	-2.36e-03	61.12
21	352	60.77	2.41e-03	6.17e-06	-38.34	0.0	3.22e-06	-31.30	1.16e-03	-0.86	-2.97e-03	-3.53
		-28.03	-2.97e-03	0.0		232.5	3.22e-06	13.49	1.16e-03	-0.10	-2.77e-04	-23.35
						465.0	3.22e-06	59.70	1.16e-03	0.63	2.41e-03	60.77
21	354	60.96	3.16e-05	6.22e-06	-37.89	0.0	3.23e-06	-30.13	1.93e-05	-0.68	-5.82e-05	-3.71
		-27.12	-5.82e-05	0.0		232.5	3.23e-06	13.48	1.93e-05	-4.78e-03	-1.33e-05	-22.33
						465.0	3.23e-06	59.03	1.93e-05	0.67	3.16e-05	60.96
22	41	92.16	2.73e-05	2.23e-05	-54.89	0.0	1.82e-05	-93.89	-1.59e-05	-1.04	2.73e-05	92.16
		-63.74	-5.91e-05	0.0		272.5	1.82e-05	-18.54	-1.59e-05	0.13	-1.59e-05	-56.84
						545.0	1.82e-05	55.66	-1.59e-05	1.35	-5.91e-05	-11.36
22	51	89.34	3.01e-05	2.22e-05	-54.39	0.0	1.84e-05	-91.10	-1.72e-05	-0.97	3.01e-05	89.34
		-63.38	-6.36e-05	0.0		272.5	1.84e-05	-18.64	-1.72e-05	0.16	-1.68e-05	-56.22
						545.0	1.84e-05	53.58	-1.72e-05	1.35	-6.36e-05	-13.89
22	97	49.59	8.35e-06	1.20e-05	-36.55	0.0	4.74e-06	-53.41	-5.86e-06	-0.68	8.35e-06	49.59
		-33.41	-2.36e-05	0.0		272.5	4.74e-06	-7.92	-5.86e-06	0.03	-7.61e-06	-31.49
						545.0	4.74e-06	36.29	-5.86e-06	0.74	-2.36e-05	4.65
22	131	86.98	0.01	1.86e-05	-49.50	0.0	1.61e-05	-83.35	-5.82e-03	-0.98	0.01	86.98
		-50.74	-0.02	0.0		272.5	1.61e-05	-16.30	-5.82e-03	-0.44	-1.33e-03	-44.57
						545.0	1.61e-05	44.92	-5.82e-03	-0.07	-0.02	-8.41
22	171	84.45	0.02	2.53e-05	-59.14	0.0	1.59e-05	-93.83	5.82e-03	-0.90	-0.01	84.45
		-67.77	-0.01	0.0		272.5	1.59e-05	-16.73	5.82e-03	0.71	1.34e-03	-62.42
						545.0	1.59e-05	63.74	5.82e-03	2.61	0.02	-4.92
22	177	52.47	0.02	1.86e-05	-43.29	0.0	9.83e-06	-61.36	5.83e-03	-0.52	-0.01	52.47
		-46.51	-0.01	0.0		272.5	9.83e-06	-10.61	5.83e-03	0.68	1.34e-03	-43.33
						545.0	9.83e-06	44.34	5.83e-03	2.16	0.02	-2.33
22	185	78.35	0.35	-2.88e-05	-46.42	0.0	7.84e-06	-48.67	-0.14	-1.21	0.35	78.35
		-24.60	-0.43	0.0		272.5	7.84e-06	-2.88	-0.14	-0.70	-0.04	-24.32
						545.0	7.84e-06	49.03	-0.14	-0.49	-0.43	24.00
22	190	75.65	0.31	2.76e-05	-39.92	0.0	7.74e-06	-53.76	-0.13	-0.84	0.31	75.65
		-34.37	-0.38	0.0		272.5	7.74e-06	-3.27	-0.13	0.07	-0.03	-34.22
						545.0	7.74e-06	38.37	-0.13	1.08	-0.38	20.80
22	191	42.09	0.38	-1.67e-05	-38.61	0.0	1.42e-05	-68.98	0.13	-0.55	-0.31	42.09
		-52.30	-0.31	0.0		272.5	1.42e-05	-19.51	0.13	0.10	0.03	-40.86
						545.0	1.42e-05	37.84	0.13	0.72	0.38	-29.82
22	204	47.38	0.62	5.12e-05	-34.47	0.0	1.17e-05	-72.79	0.21	0.28	-0.51	47.38
		-62.02	-0.51	0.0		272.5	1.17e-05	-14.50	0.21	1.89	0.06	-57.86
						545.0	1.17e-05	15.25	0.21	4.33	0.62	-20.32
22	206	57.15	0.62	5.51e-05	-34.74	0.0	9.85e-06	-67.14	0.21	0.03	-0.51	57.15
		-54.99	-0.51	0.0		272.5	9.85e-06	-9.80	0.21	1.65	0.06	-53.19
						545.0	9.85e-06	17.27	0.21	3.97	0.62	-6.32
22	207	60.59	0.51	-4.60e-05	-50.61	0.0	1.21e-05	-55.60	-0.21	-1.43	0.51	60.59
		-30.10	-0.62	0.0		272.5	1.21e-05	-12.97	-0.21	-1.48	-0.06	-21.88
						545.0	1.21e-05	58.94	-0.21	-2.17	-0.62	-2.70
22	217	68.45	0.18	-1.64e-05	-42.72	0.0	9.41e-06	-55.12	-0.07	-0.96	0.18	68.45
		-32.69	-0.22	0.0		272.5	9.41e-06	-7.17	-0.07	-0.31	-0.02	-31.08
						545.0	9.41e-06	43.34	-0.07	0.21	-0.22	9.53
22	222	67.15	0.16	2.08e-05	-39.63	0.0	9.36e-06	-57.54	-0.06	-0.78	0.16	67.15
		-37.33	-0.19	0.0		272.5	9.36e-06	-7.37	-0.06	0.06	-0.02	-35.78
						545.0	9.36e-06	38.26	-0.06	0.97	-0.19	7.93
22	223	50.59	0.19	8.82e-06	-38.69	0.0	1.25e-05	-65.20	0.06	-0.62	-0.16	50.59
		-46.47	-0.16	0.0		272.5	1.25e-05	-15.41	0.06	0.10	0.02	-39.30
						545.0	1.25e-05	37.95	0.06	0.84	0.19	-16.95
22	236	53.34	0.31	3.17e-05	-36.25	0.0	1.13e-05	-66.84	0.10	-0.22	-0.26	53.34
		-51.24	-0.26	0.0		272.5	1.13e-05	-12.95	0.10	0.94	0.03	-47.15
						545.0	1.13e-05	27.37	0.10	2.52	0.31	-12.20
22	238	58.17	0.31	3.30e-05	-36.39	0.0	1.04e-05	-64.04	0.10	-0.35	-0.26	58.17
		-47.41	-0.26	0.0		272.5	1.04e-05	-10.62	0.10	0.81	0.03	-44.81
						545.0	1.04e-05	28.41	0.10	2.33	0.31	-5.30
22	239	59.58	0.26	-2.36e-05	-44.47	0.0	1.15e-05	-58.70	-0.10	-1.04	0.26	59.58
		-35.70	-0.31	0.0		272.5	1.15e-05	-12.15	-0.10	-0.64	-0.03	-30.26
						545.0	1.15e-05	47.81	-0.10	-0.53	-0.31	-3.73
22	269	65.93	1.78e-05	1.60e-05	-40.75	0.0	1.29e-05	-67.34	-1.04e-05	-0.75	1.78e-05	65.93
		-45.74	-3.88e-05	0.0		272.5	1.29e-05	-13.23	-1.04e-05	0.09	-1.05e-05	-40.85
						545.0	1.29e-05	40.12	-1.04e-05	0.97	-3.88e-05	-7.88
22	275	64.05	1.97e-05	1.60e-05	-40.41	0.0	1.30e-05	-65.48	-1.13e-05	-0.71	1.97e-05	64.05
		-45.50	-4.18e-05	0.0		272.5	1.30e-05	-13.29	-1.13e-05	0.11	-1.11e-05	-40.44
						545.0	1.30e-05	38.73	-1.13e-05	0.97	-4.18e-05	-9.57
22	293	56.04	1.26e-05	1.36e-05	-38.49	0.0	7.50e-06	-59.50	-8.11e-06	-0.72	1.26e-05	56.04
		-38.38	-3.16e-05	0.0		272.5	7.50e-06	-9.73	-8.11e-06	0.05	-9.47e-06	-35.55
						545.0	7.50e-06	38.96	-8.11e-06	0.85	-3.16e-05	1.30

22	315	62.48	9.68e-03	1.34e-05	-37.03	0.0	1.15e-05	-60.31	-3.88e-03	-0.71	9.68e-03	62.48
		-37.07	-0.01	0.0		272.5	1.15e-05	-11.73	-3.88e-03	-0.28	-8.89e-04	-32.67
						545.0	1.15e-05	32.96	-3.88e-03	0.02	-0.01	-5.92
22	333	57.97	0.01	1.77e-05	-42.98	0.0	1.09e-05	-64.80	3.88e-03	-0.62	-9.68e-03	57.97
		-47.11	-9.68e-03	0.0		272.5	1.09e-05	-11.52	3.88e-03	0.49	8.91e-04	-43.45
						545.0	1.09e-05	44.33	3.88e-03	1.79	0.01	-3.35
22	335	60.79	0.01	1.80e-05	-43.58	0.0	1.14e-05	-67.30	3.88e-03	-0.65	-9.68e-03	60.79
		-48.43	-9.68e-03	0.0		272.5	1.14e-05	-12.02	3.88e-03	0.48	8.91e-04	-44.57
						545.0	1.14e-05	45.50	3.88e-03	1.81	0.01	-3.59
22	343	60.00	1.44e-05	1.48e-05	-39.40	0.0	1.12e-05	-62.37	-8.67e-06	-0.71	1.44e-05	60.00
		-42.00	-3.29e-05	0.0		272.5	1.12e-05	-11.59	-8.67e-06	0.08	-9.25e-06	-37.99
						545.0	1.12e-05	38.57	-8.67e-06	0.91	-3.29e-05	-4.61
22	346	59.34	1.53e-05	1.48e-05	-39.29	0.0	1.13e-05	-61.69	-9.13e-06	-0.69	1.53e-05	59.34
		-42.02	-3.44e-05	0.0		272.5	1.13e-05	-11.67	-9.13e-06	0.09	-9.54e-06	-37.89
						545.0	1.13e-05	38.00	-9.13e-06	0.91	-3.44e-05	-5.48
22	348	58.31	1.40e-05	1.44e-05	-39.03	0.0	1.03e-05	-61.00	-8.52e-06	-0.70	1.40e-05	58.31
		-40.85	-3.25e-05	0.0		272.5	1.03e-05	-11.06	-8.52e-06	0.08	-9.25e-06	-37.14
						545.0	1.03e-05	38.28	-8.52e-06	0.89	-3.25e-05	-3.35
22	350	59.03	1.95e-03	1.41e-05	-38.38	0.0	1.10e-05	-60.66	-7.82e-04	-0.69	1.95e-03	59.03
		-40.33	-2.32e-03	0.0		272.5	1.10e-05	-11.36	-7.82e-04	0.01	-1.85e-04	-36.34
						545.0	1.10e-05	36.84	-7.82e-04	0.72	-2.32e-03	-4.75
22	352	58.69	2.27e-03	1.52e-05	-39.92	0.0	1.09e-05	-62.06	7.69e-04	-0.68	-1.93e-03	58.69
		-42.60	-1.93e-03	0.0		272.5	1.09e-05	-11.42	7.69e-04	0.16	1.71e-04	-38.72
						545.0	1.09e-05	39.35	7.69e-04	1.08	2.27e-03	-4.28
22	354	58.87	1.43e-05	1.47e-05	-39.16	0.0	1.10e-05	-61.37	-8.62e-06	-0.70	1.43e-05	58.87
		-41.47	-3.27e-05	0.0		272.5	1.10e-05	-11.39	-8.62e-06	0.08	-9.19e-06	-37.54
						545.0	1.10e-05	38.11	-8.62e-06	0.90	-3.27e-05	-4.51
23	41	-0.51	3.84e-05	1.84e-05	-55.54	0.0	5.67e-06	-62.45	0.0	-1.34	3.84e-05	-0.51
		-65.34	3.84e-05	0.0		215.0	5.67e-06	0.0	0.0	0.0	3.84e-05	-65.34
						430.0	5.67e-06	62.45	0.0	1.34	3.84e-05	-0.51
23	89	-0.72	3.25e-05	1.64e-05	-51.67	0.0	5.70e-06	-55.21	0.0	-0.99	3.25e-05	-0.72
		-58.03	3.25e-05	0.0		215.0	5.70e-06	0.0	0.0	0.0	3.25e-05	-58.03
						430.0	5.70e-06	55.21	0.0	0.99	3.25e-05	-0.72
23	131	17.01	0.03	-3.32e-05	-58.84	0.0	1.88e-06	-63.53	-0.01	0.28	0.03	17.01
		-62.78	-0.03	0.0		215.0	1.88e-06	-9.39	-0.01	1.32	-4.36e-06	-61.19
						430.0	1.88e-06	55.16	-0.01	2.69	-0.03	-16.12
23	137	17.21	0.03	-3.32e-05	-42.84	0.0	0.0	-42.37	-0.01	0.70	0.03	17.21
		-41.63	-0.03	0.0		215.0	0.0	-9.39	-0.01	1.32	-2.10e-05	-39.03
						430.0	0.0	34.00	-0.01	2.27	-0.03	-15.92
23	139	17.24	0.03	-3.32e-05	-43.72	0.0	0.0	-44.27	-0.01	0.67	0.03	17.24
		-43.46	-0.03	0.0		215.0	0.0	-9.39	-0.01	1.32	-2.05e-05	-40.98
						430.0	0.0	35.91	-0.01	2.30	-0.03	-15.89
23	185	14.07	0.64	-2.78e-05	-48.74	0.0	4.05e-06	-30.06	-0.30	-2.31	0.64	14.07
		-35.03	-0.64	0.0		215.0	4.05e-06	8.24	-0.30	-1.16	1.72e-05	-35.03
						430.0	4.05e-06	51.30	-0.30	-0.97	-0.64	13.61
23	188	-14.50	0.64	2.78e-05	-31.94	0.0	4.13e-06	-52.97	0.30	0.59	-0.64	-14.96
		-53.24	-0.64	0.0		215.0	4.13e-06	-8.24	0.30	1.16	2.59e-05	-52.05
						430.0	4.13e-06	31.73	0.30	2.68	0.64	-14.50
23	201	32.65	0.93	-7.56e-05	-52.37	0.0	4.08e-06	-31.89	-0.43	-4.26	0.93	32.65
		-40.99	-0.93	0.0		215.0	4.08e-06	19.30	-0.43	-2.98	2.02e-05	-40.99
						430.0	4.08e-06	50.64	-0.43	-2.66	-0.93	32.51
23	204	-33.40	0.93	7.56e-05	-34.86	0.0	4.11e-06	-51.14	0.43	2.55	-0.93	-33.54
		-54.82	-0.93	0.0		215.0	4.11e-06	-19.30	0.43	2.98	2.29e-05	-46.09
						430.0	4.11e-06	32.39	0.43	4.38	0.93	-33.40
23	217	6.56	0.32	1.39e-05	-43.97	0.0	4.07e-06	-35.92	-0.15	-1.56	0.32	6.56
		-39.32	-0.32	0.0		215.0	4.07e-06	3.98	-0.15	-0.56	1.96e-05	-39.32
						430.0	4.07e-06	46.36	-0.15	-0.02	-0.32	6.36
23	220	-7.26	0.32	1.39e-05	-35.80	0.0	4.11e-06	-47.11	0.15	-0.15	-0.32	-7.46
		-47.97	-0.32	0.0		215.0	4.11e-06	-3.98	0.15	0.56	2.35e-05	-47.76
						430.0	4.11e-06	36.67	0.15	1.73	0.32	-7.26
23	233	15.11	0.47	-3.54e-05	-45.58	0.0	4.09e-06	-36.93	-0.22	-2.46	0.47	15.11
		-42.27	-0.47	0.0		215.0	4.09e-06	9.08	-0.22	-1.40	2.10e-05	-42.27
						430.0	4.09e-06	45.87	-0.22	-0.80	-0.47	15.05
23	236	-15.95	0.47	3.54e-05	-35.50	0.0	4.10e-06	-46.10	0.22	0.75	-0.47	-16.01
		-46.87	-0.47	0.0		215.0	4.10e-06	-9.08	0.22	1.40	2.21e-05	-44.81
						430.0	4.10e-06	37.16	0.22	2.51	0.47	-15.95
23	237	15.15	0.35	-3.39e-05	-45.53	0.0	4.09e-06	-37.25	-0.16	-2.49	0.35	15.09
		-42.32	-0.35	0.0		215.0	4.09e-06	9.09	-0.16	-1.40	2.10e-05	-42.32
						430.0	4.09e-06	46.10	-0.16	-0.76	-0.35	15.15
23	269	-0.36	2.53e-05	1.33e-05	-41.21	0.0	4.08e-06	-44.90	0.0	-0.96	2.53e-05	-0.36
		-46.98	2.53e-05	0.0		215.0	4.08e-06	0.0	0.0	0.0	2.53e-05	-46.98
						430.0	4.08e-06	44.90	0.0	0.96	2.53e-05	-0.36
23	293	-0.51	2.13e-05	1.19e-05	-38.63	0.0	4.10e-06	-40.08	0.0	-0.73	2.13e-05	-0.51
		-42.11	2.13e-05	0.0		215.0	4.10e-06	0.0	0.0	0.0	2.13e-05	-42.11
						430.0	4.10e-06	40.08	0.0	0.73	2.13e-05	-0.51
23	313	11.29	0.02	-2.21e-05	-42.82	0.0	1.56e-06	-44.35	-7.80e-03	0.13	0.02	11.29
		-43.95	-0.02	0.0		215.0	1.56e-06	-6.26	-7.80e-03	0.88	-3.58e-06	-42.92

						430.0	1.56e-06	38.77	-7.80e-03	1.84	-0.02	-10.80
23	315	11.31	0.02	-2.21e-05	-43.41	0.0	1.55e-06	-45.62	-7.80e-03	0.12	0.02	11.31
		-45.23	-0.02	0.0		215.0	1.55e-06	-6.26	-7.80e-03	0.88	-3.26e-06	-44.22
						430.0	1.55e-06	40.04	-7.80e-03	1.86	-0.02	-10.77
23	343	-0.44	2.17e-05	1.24e-05	-39.76	0.0	4.09e-06	-42.02	0.0	-0.86	2.17e-05	-0.44
		-44.06	2.17e-05	0.0		215.0	4.09e-06	0.0	0.0	0.0	2.17e-05	-44.06
						430.0	4.09e-06	42.02	0.0	0.86	2.17e-05	-0.44
23	348	-0.46	2.15e-05	1.22e-05	-39.34	0.0	4.10e-06	-41.23	0.0	-0.83	2.15e-05	-0.46
		-43.25	2.15e-05	0.0		215.0	4.10e-06	0.0	0.0	0.0	2.15e-05	-43.25
						430.0	4.10e-06	41.23	0.0	0.83	2.15e-05	-0.46
23	350	1.90	3.37e-03	1.25e-05	-40.18	0.0	3.59e-06	-42.08	-1.56e-03	-0.66	3.37e-03	1.90
		-43.42	-3.34e-03	0.0		215.0	3.59e-06	-1.25	-1.56e-03	0.18	1.65e-05	-43.42
						430.0	3.59e-06	40.97	-1.56e-03	1.05	-3.34e-03	-2.52
23	354	-0.45	2.16e-05	1.23e-05	-39.52	0.0	4.09e-06	-41.51	0.0	-0.86	2.16e-05	-0.45
		-43.54	2.16e-05	0.0		215.0	4.09e-06	0.0	0.0	0.0	2.16e-05	-43.54
						430.0	4.09e-06	41.51	0.0	0.86	2.16e-05	-0.45
24	41	92.16	5.91e-05	2.23e-05	-54.89	0.0	1.82e-05	-93.89	1.59e-05	1.04	-2.73e-05	92.16
		-63.74	-2.73e-05	0.0		272.5	1.82e-05	-18.54	1.59e-05	-0.13	1.59e-05	-56.84
						545.0	1.82e-05	55.66	1.59e-05	-1.35	5.91e-05	-11.36
24	51	89.34	6.36e-05	2.22e-05	-54.39	0.0	1.84e-05	-91.10	1.72e-05	0.97	-3.01e-05	89.34
		-63.38	-3.01e-05	0.0		272.5	1.84e-05	-18.64	1.72e-05	-0.16	1.68e-05	-56.22
						545.0	1.84e-05	53.58	1.72e-05	-1.35	6.36e-05	-13.89
24	97	49.59	2.36e-05	1.20e-05	-36.55	0.0	4.74e-06	-53.41	5.86e-06	0.68	-8.35e-06	49.59
		-33.41	-8.35e-06	0.0		272.5	4.74e-06	-7.92	5.86e-06	-0.03	7.61e-06	-31.49
						545.0	4.74e-06	36.29	5.86e-06	-0.74	2.36e-05	4.65
24	131	84.45	0.01	2.53e-05	-59.14	0.0	1.59e-05	-93.83	-5.82e-03	0.90	0.01	84.45
		-67.77	-0.02	0.0		272.5	1.59e-05	-16.73	-5.82e-03	-0.71	-1.34e-03	-62.42
						545.0	1.59e-05	63.74	-5.82e-03	-2.61	-0.02	-4.92
24	137	52.47	0.01	1.86e-05	-43.29	0.0	9.83e-06	-61.36	-5.83e-03	0.52	0.01	52.47
		-46.51	-0.02	0.0		272.5	9.83e-06	-10.61	-5.83e-03	-0.68	-1.34e-03	-43.33
						545.0	9.83e-06	44.34	-5.83e-03	-2.16	-0.02	-2.33
24	171	86.98	0.02	1.86e-05	-49.50	0.0	1.61e-05	-83.35	5.82e-03	0.98	-0.01	86.98
		-50.74	-0.01	0.0		272.5	1.61e-05	-16.30	5.82e-03	0.44	1.33e-03	-44.57
						545.0	1.61e-05	44.92	5.82e-03	0.07	0.02	-8.41
24	193	78.10	0.10	-2.40e-05	-46.55	0.0	7.75e-06	-47.96	0.03	0.11	-0.08	78.10
		-23.66	-0.08	0.0		272.5	7.75e-06	-2.92	0.03	-0.89	8.95e-03	-23.36
						545.0	7.75e-06	48.69	0.03	-2.30	0.10	24.37
24	197	77.07	0.38	2.12e-05	-45.33	0.0	7.74e-06	-47.89	0.13	0.28	-0.31	77.07
		-24.43	-0.31	0.0		272.5	7.74e-06	-2.90	0.13	-0.62	0.03	-24.25
						545.0	7.74e-06	46.44	0.13	-1.89	0.38	22.79
24	200	40.67	0.31	1.19e-05	-35.81	0.0	1.42e-05	-74.85	-0.13	1.11	0.31	40.67
		-61.35	-0.38	0.0		272.5	1.42e-05	-19.88	-0.13	0.45	-0.03	-50.83
						545.0	1.42e-05	29.77	-0.13	0.09	-0.38	-31.82
24	201	69.82	0.51	3.79e-05	-53.58	0.0	9.85e-06	-50.00	-0.21	-0.34	0.51	69.82
		-20.75	-0.62	0.0		272.5	9.85e-06	-8.42	-0.21	-1.96	-0.06	-16.79
						545.0	9.85e-06	60.29	-0.21	-4.44	-0.62	10.23
24	204	47.92	0.62	-2.89e-05	-34.53	0.0	1.21e-05	-72.74	0.21	1.73	-0.51	47.92
		-62.30	-0.51	0.0		272.5	1.21e-05	-14.35	0.21	1.80	0.06	-58.29
						545.0	1.21e-05	15.92	0.21	2.64	0.62	-19.25
24	225	68.36	0.05	1.81e-05	-42.72	0.0	9.36e-06	-54.80	0.02	0.39	-0.04	68.36
		-32.31	-0.04	0.0		272.5	9.36e-06	-7.19	0.02	-0.49	4.86e-03	-30.69
						545.0	9.36e-06	43.30	0.02	-1.59	0.05	9.79
24	229	67.92	0.19	1.77e-05	-42.20	0.0	9.36e-06	-54.75	0.06	0.47	-0.16	67.92
		-32.62	-0.16	0.0		272.5	9.36e-06	-7.19	0.06	-0.37	0.02	-31.05
						545.0	9.36e-06	42.33	0.06	-1.42	0.19	9.11
24	232	49.82	0.16	1.24e-05	-36.87	0.0	1.25e-05	-67.98	-0.06	0.93	0.16	49.82
		-50.76	-0.19	0.0		272.5	1.25e-05	-15.59	-0.06	0.20	-0.02	-44.02
						545.0	1.25e-05	33.88	-0.06	-0.39	-0.19	-18.13
24	233	64.15	0.26	2.14e-05	-45.95	0.0	1.04e-05	-55.92	-0.10	0.20	0.26	64.15
		-31.59	-0.31	0.0		272.5	1.04e-05	-9.90	-0.10	-0.97	-0.03	-27.74
						545.0	1.04e-05	48.55	-0.10	-2.57	-0.31	2.69
24	236	53.59	0.31	1.43e-05	-36.28	0.0	1.15e-05	-66.81	0.10	1.20	-0.26	53.59
		-51.36	-0.26	0.0		272.5	1.15e-05	-12.88	0.10	0.80	0.03	-47.34
						545.0	1.15e-05	27.66	0.10	0.76	0.31	-11.71
24	269	65.93	3.88e-05	1.60e-05	-40.75	0.0	1.29e-05	-67.34	1.04e-05	0.75	-1.78e-05	65.93
		-45.74	-1.78e-05	0.0		272.5	1.29e-05	-13.23	1.04e-05	-0.09	1.05e-05	-40.85
						545.0	1.29e-05	40.12	1.04e-05	-0.97	3.88e-05	-7.88
24	275	64.05	4.18e-05	1.60e-05	-40.41	0.0	1.30e-05	-65.48	1.13e-05	0.71	-1.97e-05	64.05
		-45.50	-1.97e-05	0.0		272.5	1.30e-05	-13.29	1.13e-05	-0.11	1.11e-05	-40.44
						545.0	1.30e-05	38.73	1.13e-05	-0.97	4.18e-05	-9.57
24	293	56.04	3.16e-05	1.36e-05	-38.49	0.0	7.50e-06	-59.50	8.11e-06	0.72	-1.26e-05	56.04
		-38.38	-1.26e-05	0.0		272.5	7.50e-06	-9.73	8.11e-06	-0.05	9.47e-06	-35.55
						545.0	7.50e-06	38.96	8.11e-06	-0.85	3.16e-05	1.30
24	313	57.97	9.68e-03	1.77e-05	-42.98	0.0	1.09e-05	-64.80	-3.88e-03	0.62	9.68e-03	57.97
		-47.11	-0.01	0.0		272.5	1.09e-05	-11.52	-3.88e-03	-0.49	-8.91e-04	-43.45
						545.0	1.09e-05	44.33	-3.88e-03	-1.79	-0.01	-3.35
24	315	60.79	9.68e-03	1.80e-05	-43.58	0.0	1.14e-05	-67.30	-3.88e-03	0.65	9.68e-03	60.79

		-48.43	-0.01	0.0		272.5	1.14e-05	-12.02	-3.88e-03	-0.48	-8.91e-04	-44.57
						545.0	1.14e-05	45.50	-3.88e-03	-1.81	-0.01	-3.59
24	335	62.48	0.01	1.34e-05	-37.03	0.0	1.15e-05	-60.31	3.88e-03	0.71	-9.68e-03	62.48
		-37.07	-9.68e-03	0.0		272.5	1.15e-05	-11.73	3.88e-03	0.28	8.89e-04	-32.67
						545.0	1.15e-05	32.96	3.88e-03	-0.02	0.01	-5.92
24	343	60.00	3.29e-05	1.48e-05	-39.40	0.0	1.12e-05	-62.37	8.67e-06	0.71	-1.44e-05	60.00
		-42.00	-1.44e-05	0.0		272.5	1.12e-05	-11.59	8.67e-06	-0.08	9.25e-06	-37.99
						545.0	1.12e-05	38.57	8.67e-06	-0.91	3.29e-05	-4.61
24	346	59.34	3.44e-05	1.48e-05	-39.29	0.0	1.13e-05	-61.69	9.13e-06	0.69	-1.53e-05	59.34
		-42.02	-1.53e-05	0.0		272.5	1.13e-05	-11.67	9.13e-06	-0.09	9.54e-06	-37.89
						545.0	1.13e-05	38.00	9.13e-06	-0.91	3.44e-05	-5.48
24	348	58.31	3.25e-05	1.44e-05	-39.03	0.0	1.03e-05	-61.00	8.52e-06	0.70	-1.40e-05	58.31
		-40.85	-1.40e-05	0.0		272.5	1.03e-05	-11.06	8.52e-06	-0.08	9.25e-06	-37.14
						545.0	1.03e-05	38.28	8.52e-06	-0.89	3.25e-05	-3.35
24	350	58.69	1.93e-03	1.52e-05	-39.92	0.0	1.09e-05	-62.06	-7.69e-04	0.68	1.93e-03	58.69
		-42.60	-2.27e-03	0.0		272.5	1.09e-05	-11.42	-7.69e-04	-0.16	-1.71e-04	-38.72
						545.0	1.09e-05	39.35	-7.69e-04	-1.08	-2.27e-03	-4.28
24	352	59.03	2.32e-03	1.41e-05	-38.38	0.0	1.10e-05	-60.66	7.82e-04	0.69	-1.95e-03	59.03
		-40.33	-1.95e-03	0.0		272.5	1.10e-05	-11.36	7.82e-04	-0.01	1.85e-04	-36.34
						545.0	1.10e-05	36.84	7.82e-04	-0.72	2.32e-03	-4.75
24	354	58.87	3.27e-05	1.47e-05	-39.16	0.0	1.10e-05	-61.37	8.62e-06	0.70	-1.43e-05	58.87
		-41.47	-1.43e-05	0.0		272.5	1.10e-05	-11.39	8.62e-06	-0.08	9.19e-06	-37.54
						545.0	1.10e-05	38.11	8.62e-06	-0.90	3.27e-05	-4.51
25	57	53.05	4.38e-05	5.82e-06	-36.40	0.0	-3.17e-06	-29.06	-1.43e-05	0.53	4.38e-05	5.39
		-19.74	-2.25e-05	0.0		232.5	-3.17e-06	9.69	-1.43e-05	-0.07	1.06e-05	-16.92
						465.0	-3.17e-06	51.36	-1.43e-05	-0.68	-2.25e-05	53.05
25	81	94.42	1.02e-04	9.73e-06	-52.97	0.0	6.68e-06	-43.53	-3.38e-05	1.03	1.02e-04	-10.13
		-42.83	-5.57e-05	0.0		232.5	6.68e-06	21.81	-3.38e-05	0.01	2.29e-05	-34.26
						465.0	6.68e-06	90.23	-3.38e-05	-1.00	-5.57e-05	94.42
25	91	90.81	1.08e-04	9.40e-06	-52.17	0.0	7.57e-06	-41.98	-3.59e-05	1.05	1.08e-04	-12.73
		-43.72	-5.94e-05	0.0		232.5	7.57e-06	21.77	-3.59e-05	0.06	2.41e-05	-34.85
						465.0	7.57e-06	87.53	-3.59e-05	-0.92	-5.94e-05	90.81
25	131	87.50	0.02	1.02e-05	-56.79	0.0	4.66e-06	-51.55	-8.56e-03	2.30	0.02	-4.16
		-45.68	-0.02	0.0		232.5	4.66e-06	19.67	-8.56e-03	0.70	2.00e-03	-39.18
						465.0	4.66e-06	90.27	-8.56e-03	-0.70	-0.02	87.50
25	177	56.90	0.02	-1.16e-05	-33.97	0.0	3.02e-06	-18.86	8.56e-03	-0.69	-0.02	-4.67
		-18.23	-0.02	0.0		232.5	3.02e-06	12.21	8.56e-03	-0.62	-2.01e-03	-12.85
						465.0	3.02e-06	48.91	8.56e-03	-0.74	0.02	56.90
25	192	49.83	0.14	2.83e-05	-36.52	0.0	0.0	-38.54	0.06	2.51	-0.16	-28.33
		-48.79	-0.16	0.0		232.5	0.0	5.27	0.06	1.15	-0.01	-38.86
						465.0	0.0	46.84	0.06	0.13	0.14	49.83
25	194	72.18	0.40	-2.21e-05	-37.81	0.0	6.54e-06	-25.71	0.19	0.56	-0.47	22.48
		-19.52	-0.47	0.0		232.5	6.54e-06	21.94	0.19	-0.11	-0.04	-18.91
						465.0	6.54e-06	64.26	0.19	-0.81	0.40	72.18
25	195	49.73	0.47	1.98e-05	-38.02	0.0	0.0	-34.55	-0.19	0.81	0.47	-29.90
		-39.94	-0.40	0.0		232.5	0.0	5.03	-0.19	0.12	0.04	-25.76
						465.0	0.0	53.80	-0.19	-0.53	-0.40	49.73
25	197	74.79	0.35	-1.26e-05	-43.90	0.0	6.44e-06	-15.90	0.17	-0.98	-0.42	25.60
		-11.16	-0.42	0.0		232.5	6.44e-06	22.58	0.17	-0.97	-0.03	-10.39
						465.0	6.44e-06	69.18	0.17	-1.25	0.35	74.79
25	201	66.65	0.69	-2.04e-05	-47.77	0.0	4.01e-06	-16.94	-0.27	-1.50	0.69	7.12
		-10.31	-0.58	0.0		232.5	4.01e-06	16.94	-0.27	-1.18	0.06	-6.31
						465.0	4.01e-06	69.61	-0.27	-1.28	-0.58	66.65
25	204	55.26	0.58	2.27e-05	-34.53	0.0	2.46e-06	-43.31	0.27	2.87	-0.69	-14.54
		-44.02	-0.69	0.0		232.5	2.46e-06	10.03	0.27	1.19	-0.06	-38.36
						465.0	2.46e-06	48.45	0.27	-0.06	0.58	55.26
25	224	55.44	0.07	1.47e-05	-37.22	0.0	1.66e-06	-34.31	0.03	1.57	-0.09	-15.97
		-37.79	-0.09	0.0		232.5	1.66e-06	9.40	0.03	0.56	-6.89e-03	-30.42
						465.0	1.66e-06	53.04	0.03	-0.28	0.07	55.44
25	226	66.50	0.20	-1.17e-05	-37.86	0.0	4.87e-06	-27.86	0.10	0.60	-0.24	9.23
		-22.75	-0.24	0.0		232.5	4.87e-06	17.67	0.10	-0.06	-0.02	-20.59
						465.0	4.87e-06	61.66	0.10	-0.74	0.20	66.50
25	227	55.42	0.24	1.04e-05	-37.92	0.0	1.60e-06	-32.39	-0.10	0.76	0.24	-16.65
		-32.82	-0.20	0.0		232.5	1.60e-06	9.30	-0.10	0.07	0.02	-24.07
						465.0	1.60e-06	56.40	-0.10	-0.60	-0.20	55.42
25	229	67.79	0.18	-5.62e-06	-40.67	0.0	4.82e-06	-23.11	0.08	-0.14	-0.21	10.82
		-18.96	-0.21	0.0		232.5	4.82e-06	17.99	0.08	-0.48	-0.02	-16.52
						465.0	4.82e-06	64.00	0.08	-0.97	0.18	67.79
25	233	63.90	0.35	-9.55e-06	-42.59	0.0	3.62e-06	-23.51	-0.14	-0.41	0.35	1.90
		-19.02	-0.29	0.0		232.5	3.62e-06	15.22	-0.14	-0.60	0.03	-14.58
						465.0	3.62e-06	64.12	-0.14	-1.00	-0.29	63.90
25	236	58.01	0.29	1.19e-05	-36.28	0.0	2.85e-06	-36.75	0.14	1.78	-0.35	-9.32
		-35.25	-0.35	0.0		232.5	2.85e-06	11.75	0.14	0.61	-0.03	-30.08
						465.0	2.85e-06	53.94	0.14	-0.34	0.29	58.01
25	273	59.18	5.58e-05	6.17e-06	-37.91	0.0	0.0	-31.00	-1.83e-05	0.61	5.58e-05	2.12
		-23.62	-2.94e-05	0.0		232.5	0.0	11.72	-1.83e-05	-0.04	1.32e-05	-19.89
						465.0	0.0	57.21	-1.83e-05	-0.71	-2.94e-05	59.18

25	289	67.58	6.83e-05	6.96e-06	-39.35	0.0	4.68e-06	-31.45	-2.27e-05	0.74	6.83e-05	-7.01
		-30.71	-3.75e-05	0.0		232.5	4.68e-06	15.57	-2.27e-05	8.68e-03	1.54e-05	-24.65
						465.0	4.68e-06	64.73	-2.27e-05	-0.72	-3.75e-05	67.58
25	295	65.17	7.22e-05	6.74e-06	-38.83	0.0	5.28e-06	-30.42	-2.41e-05	0.76	7.22e-05	-8.74
		-31.30	-4.00e-05	0.0		232.5	5.28e-06	15.54	-2.41e-05	0.04	1.61e-05	-25.04
						465.0	5.28e-06	62.93	-2.41e-05	-0.66	-4.00e-05	65.17
25	315	62.97	0.01	7.25e-06	-41.91	0.0	3.33e-06	-36.80	-5.70e-03	1.59	0.01	-3.03
		-32.62	-0.01	0.0		232.5	3.33e-06	14.14	-5.70e-03	0.46	1.33e-03	-27.93
						465.0	3.33e-06	64.76	-5.70e-03	-0.52	-0.01	62.97
25	333	61.75	0.01	8.57e-06	-36.29	0.0	3.29e-06	-24.21	5.70e-03	-0.20	-0.01	-4.59
		-22.65	-0.01	0.0		232.5	3.29e-06	13.41	5.70e-03	-0.41	-1.33e-03	-17.18
						465.0	3.29e-06	55.57	5.70e-03	-0.75	0.01	61.75
25	343	62.13	5.87e-05	6.34e-06	-38.18	0.0	3.30e-06	-30.45	-1.95e-05	0.69	5.87e-05	-3.79
		-27.43	-3.19e-05	0.0		232.5	3.30e-06	13.73	-1.95e-05	-2.30e-04	1.34e-05	-22.53
						465.0	3.30e-06	59.99	-1.95e-05	-0.69	-3.19e-05	62.13
25	346	60.60	5.77e-05	6.16e-06	-37.89	0.0	2.42e-06	-30.30	-1.91e-05	0.67	5.77e-05	-2.54
		-26.38	-3.12e-05	0.0		232.5	2.42e-06	13.13	-1.91e-05	-4.79e-03	1.33e-05	-21.84
						465.0	2.42e-06	58.66	-1.91e-05	-0.68	-3.12e-05	60.60
25	348	61.22	6.08e-05	6.26e-06	-37.88	0.0	3.61e-06	-30.02	-2.02e-05	0.70	6.08e-05	-4.68
		-27.80	-3.31e-05	0.0		232.5	3.61e-06	13.77	-2.02e-05	0.01	1.38e-05	-22.78
						465.0	3.61e-06	59.33	-2.02e-05	-0.66	-3.31e-05	61.22
25	350	60.77	2.97e-03	6.17e-06	-38.34	0.0	3.22e-06	-31.30	-1.16e-03	0.86	2.97e-03	-3.53
		-28.03	-2.41e-03	0.0		232.5	3.22e-06	13.49	-1.16e-03	0.10	2.77e-04	-23.35
						465.0	3.22e-06	59.70	-1.16e-03	-0.63	-2.41e-03	60.77
25	352	61.12	2.36e-03	6.35e-06	-37.57	0.0	3.25e-06	-28.94	1.12e-03	0.51	-2.87e-03	-3.89
		-26.22	-2.87e-03	0.0		232.5	3.25e-06	13.47	1.12e-03	-0.08	-2.56e-04	-21.30
						465.0	3.25e-06	58.34	1.12e-03	-0.69	2.36e-03	61.12
25	354	60.96	5.82e-05	6.22e-06	-37.89	0.0	3.23e-06	-30.13	-1.93e-05	0.68	5.82e-05	-3.71
		-27.12	-3.16e-05	0.0		232.5	3.23e-06	13.48	-1.93e-05	4.78e-03	1.33e-05	-22.33
						465.0	3.23e-06	59.03	-1.93e-05	-0.67	-3.16e-05	60.96
26	41	0.30	-1.99e-06	1.71e-05	-51.34	0.0	2.99e-06	-58.65	0.0	0.15	-1.99e-06	0.30
		-60.62	-1.99e-06	0.0		215.0	2.99e-06	0.0	0.0	0.0	-1.99e-06	-60.62
						430.0	2.99e-06	58.65	0.0	-0.15	-1.99e-06	0.30
26	89	0.03	-3.91e-06	1.57e-05	-49.25	0.0	3.00e-06	-53.64	0.0	0.18	-3.91e-06	0.03
		-55.68	-3.91e-06	0.0		215.0	3.00e-06	0.0	0.0	0.0	-3.91e-06	-55.68
						430.0	3.00e-06	53.64	0.0	-0.18	-3.91e-06	0.03
26	131	21.44	0.02	1.70e-05	-51.86	0.0	-1.06e-06	-64.27	-6.99e-03	-0.01	0.02	21.44
		-58.18	-0.02	0.0		215.0	-1.06e-06	-9.47	-6.99e-03	-0.15	0.0	-56.52
						430.0	-1.06e-06	48.49	-6.99e-03	-0.33	-0.02	-17.22
26	137	21.19	0.02	1.20e-05	-36.91	0.0	-1.86e-06	-43.69	-6.99e-03	-0.07	0.02	21.19
		-38.22	-0.02	0.0		215.0	-1.86e-06	-9.47	-6.99e-03	-0.15	0.0	-35.40
						430.0	-1.86e-06	27.92	-6.99e-03	-0.27	-0.02	-17.48
26	139	21.30	0.02	1.25e-05	-37.95	0.0	-1.87e-06	-46.09	-6.99e-03	-0.06	0.02	21.30
		-40.45	-0.02	0.0		215.0	-1.87e-06	-9.47	-6.99e-03	-0.15	0.0	-37.77
						430.0	-1.87e-06	30.31	-6.99e-03	-0.28	-0.02	-17.36
26	190	-6.74	0.31	1.23e-05	-36.60	0.0	2.25e-06	-41.35	-0.14	0.13	0.31	-6.85
		-40.43	-0.31	0.0		215.0	2.25e-06	-3.37	-0.14	-5.01e-03	-2.69e-06	-39.96
						430.0	2.25e-06	36.62	-0.14	-0.27	-0.31	-6.74
26	191	6.82	0.31	1.11e-05	-37.46	0.0	2.26e-06	-36.40	0.14	0.09	-0.31	6.82
		-40.82	-0.31	0.0		215.0	2.26e-06	3.37	0.14	5.01e-03	0.0	-40.82
						430.0	2.26e-06	41.13	0.14	0.05	0.31	6.70
26	201	23.99	0.51	-1.71e-05	-39.35	0.0	2.25e-06	-29.38	-0.24	-0.18	0.51	23.95
		-40.26	-0.51	0.0		215.0	2.25e-06	11.92	-0.24	-0.27	-2.03e-06	-40.26
						430.0	2.25e-06	48.44	-0.24	-0.46	-0.51	23.99
26	204	-23.99	0.51	1.71e-05	-34.26	0.0	2.25e-06	-48.37	0.24	0.41	-0.51	-23.99
		-44.51	-0.51	0.0		215.0	2.25e-06	-11.92	0.24	0.27	-1.47e-06	-40.51
						430.0	2.25e-06	29.32	0.24	0.24	0.51	-24.02
26	213	26.49	0.38	-2.10e-05	-39.96	0.0	2.25e-06	-28.54	0.18	-0.57	-0.38	26.49
		-40.26	-0.38	0.0		215.0	2.25e-06	13.27	0.18	-0.56	-2.03e-06	-40.26
						430.0	2.25e-06	48.92	0.18	-0.70	0.38	26.42
26	216	-26.46	0.38	2.10e-05	-33.97	0.0	2.25e-06	-49.21	-0.18	0.79	0.38	-26.52
		-45.59	-0.38	0.0		215.0	2.25e-06	-13.27	-0.18	0.56	-1.47e-06	-40.51
						430.0	2.25e-06	28.83	-0.18	0.48	-0.38	-26.46
26	222	-3.19	0.16	1.17e-05	-36.71	0.0	2.25e-06	-40.05	-0.07	0.11	0.16	-3.25
		-40.17	-0.16	0.0		215.0	2.25e-06	-1.59	-0.07	-8.53e-03	-2.17e-06	-40.17
						430.0	2.25e-06	37.82	-0.07	-0.19	-0.16	-3.19
26	223	3.22	0.16	1.12e-05	-36.89	0.0	2.25e-06	-37.70	0.07	0.11	-0.16	3.22
		-40.60	-0.16	0.0		215.0	2.25e-06	1.59	0.07	8.53e-03	-1.34e-06	-40.60
						430.0	2.25e-06	39.94	0.07	-0.03	0.16	3.16
26	233	11.36	0.25	1.14e-05	-38.02	0.0	2.25e-06	-34.38	-0.12	-0.06	0.25	11.35
		-40.32	-0.25	0.0		215.0	2.25e-06	5.65	-0.12	-0.15	-1.88e-06	-40.32
						430.0	2.25e-06	43.41	-0.12	-0.30	-0.25	11.36
26	236	-11.38	0.25	1.22e-05	-35.55	0.0	2.25e-06	-43.37	0.12	0.28	-0.25	-11.38
		-41.35	-0.25	0.0		215.0	2.25e-06	-5.65	0.12	0.15	-1.63e-06	-40.45
						430.0	2.25e-06	34.35	0.12	0.08	0.25	-11.40
26	245	12.65	0.19	1.14e-05	-38.30	0.0	2.25e-06	-33.93	0.09	-0.22	-0.19	12.65
		-40.32	-0.19	0.0		215.0	2.25e-06	6.34	0.09	-0.27	-1.88e-06	-40.32

						430.0	2.25e-06	43.68	0.09	-0.40	0.19	12.62
26	248	-12.65	0.19	1.28e-05	-35.29	0.0	2.25e-06	-43.82	-0.09	0.44	0.19	-12.68
		-41.54	-0.19	0.0		215.0	2.25e-06	-6.34	-0.09	0.27	-1.63e-06	-40.45
						430.0	2.25e-06	34.08	-0.09	0.17	-0.19	-12.65
26	269	0.15	-1.41e-06	1.23e-05	-38.17	0.0	2.25e-06	-42.11	0.0	0.11	-1.41e-06	0.15
		-43.59	-1.41e-06	0.0		215.0	2.25e-06	0.0	0.0	0.0	-1.41e-06	-43.59
						430.0	2.25e-06	42.11	0.0	-0.11	-1.41e-06	0.15
26	293	-0.03	-2.69e-06	1.14e-05	-36.78	0.0	2.25e-06	-38.77	0.0	0.13	-2.69e-06	-0.03
		-40.29	-2.69e-06	0.0		215.0	2.25e-06	0.0	0.0	0.0	-2.69e-06	-40.29
						430.0	2.25e-06	38.77	0.0	-0.13	-2.69e-06	-0.03
26	313	14.17	0.01	1.18e-05	-37.83	0.0	0.0	-44.26	-4.66e-03	-1.38e-03	0.01	14.17
		-40.36	-0.01	0.0		215.0	0.0	-6.31	-4.66e-03	-0.10	0.0	-39.27
						430.0	0.0	33.74	-4.66e-03	-0.23	-0.01	-11.61
26	315	14.24	0.01	1.22e-05	-38.52	0.0	0.0	-45.86	-4.66e-03	1.21e-03	0.01	14.24
		-41.91	-0.01	0.0		215.0	0.0	-6.31	-4.66e-03	-0.10	0.0	-40.86
						430.0	0.0	35.34	-4.66e-03	-0.23	-0.01	-11.53
26	343	0.01	-1.77e-06	1.16e-05	-37.06	0.0	2.25e-06	-39.51	0.0	0.11	-1.77e-06	0.01
		-41.02	-1.77e-06	0.0		215.0	2.25e-06	0.0	0.0	0.0	-1.77e-06	-41.02
						430.0	2.25e-06	39.51	0.0	-0.11	-1.77e-06	0.01
26	348	-0.02	-1.94e-06	1.14e-05	-36.78	0.0	2.25e-06	-38.86	0.0	0.12	-1.94e-06	-0.02
		-40.37	-1.94e-06	0.0		215.0	2.25e-06	0.0	0.0	0.0	-1.94e-06	-40.37
						430.0	2.25e-06	38.86	0.0	-0.12	-1.94e-06	-0.02
26	350	2.82	2.00e-03	1.13e-05	-36.99	0.0	1.71e-06	-39.95	-9.32e-04	0.09	2.00e-03	2.82
		-40.16	-2.00e-03	0.0		215.0	1.71e-06	-1.26	-9.32e-04	-0.02	-1.52e-06	-40.16
						430.0	1.71e-06	37.85	-9.32e-04	-0.14	-2.00e-03	-2.34
26	354	-0.02	-1.75e-06	1.14e-05	-36.78	0.0	2.25e-06	-38.88	0.0	0.11	-1.75e-06	-0.02
		-40.39	-1.75e-06	0.0		215.0	2.25e-06	0.0	0.0	0.0	-1.75e-06	-40.39
						430.0	2.25e-06	38.88	0.0	-0.11	-1.75e-06	-0.02

Trave f.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Pt**	**N**	**V 2**	**V 3**	**T**
	-67.77	-0.93	-8.09e-05	-59.14	-3.17e-06	-93.89	-0.43	-4.44
	94.42	0.93	7.56e-05	-30.28	1.84e-05	90.27	0.43	4.38

VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d, le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

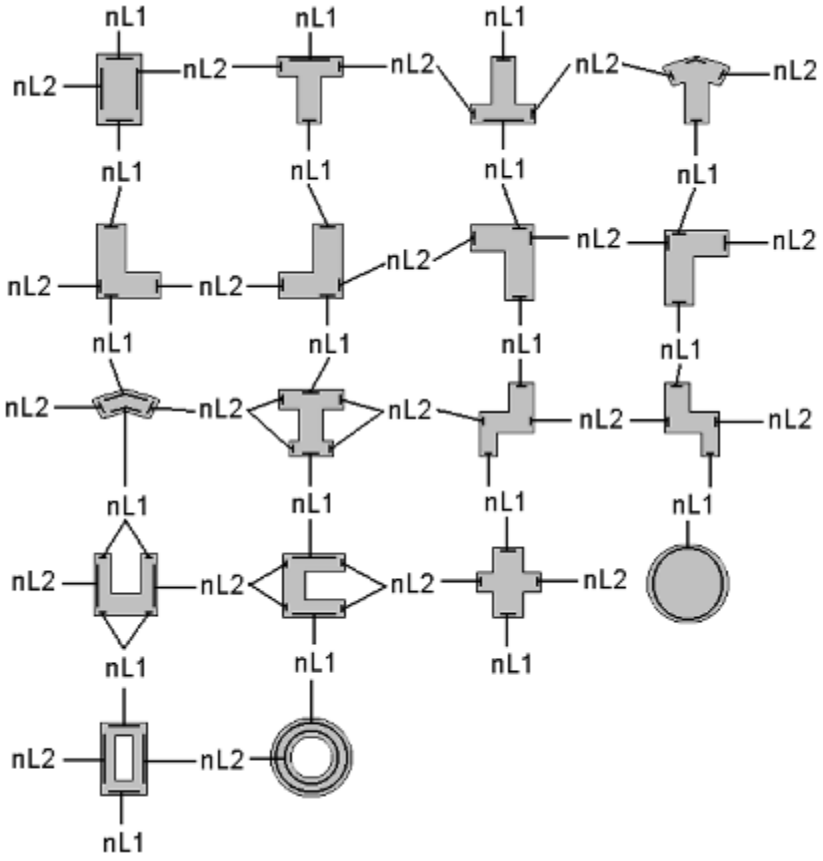
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

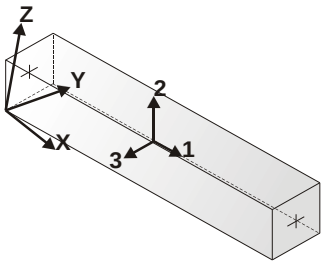
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.

Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

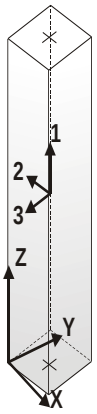
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali





Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono eseguita dal modulo geotecnico incrementando automaticamente le componenti sismiche delle sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^*: valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche di gerarchia delle resistenze dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro

sovr. Xi (Xf)	Verifica sovraresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovraresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi relativi alla duttilità è presente una tabella con i simboli di seguito descritti: (Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
cmu_fi 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche dei nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio Vjbd e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effattivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: • SI il passo staffe è calcolato utilizzando la formula 7.4.10; • NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche dei nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a trazione
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione
ver. (-)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a compressione
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche di gerarchia delle resistenze delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

					M_P= 1	**X=0.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota cm	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe L=cm	V V/T cls	V V/T acc	Rif. cmb
5s=15,m=6		ok,ok	155.0	1.79	0.35	4d16 2+2 d16	0.24	0.07	3+3d8/15			
L=450.11	0.10211,216,211,210											
			323.0	1.79	0.35	4d16 2+2 d16	0.20	0.06	3+3d8/15			
L=2460.12	0.10216,216,211,210											
[b=1.0;1.0]			491.0	1.79	0.35	4d16 2+2 d16	0.62	0.06	3+3d8/15			
L=450.12	0.10211,216,211,210											

					M_P= 2	**X=465.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
6s=15,m=6		ok,ok	155.0	1.79	0.55	4d16 2+2 d16	0.18	0.13	3+3d8/15			
L=450.11	0.09211,210,204,188											
			323.0	1.79	0.55	4d16 2+2 d16	0.17	0.13	3+3d8/15			
L=2460.11	0.09188,210,204,188											
[b=1.0;1.0]			491.0	1.79	0.55	4d16 2+2 d16	0.50	0.13	3+3d8/15			
L=450.11	0.09188,210,204,188											

					M_P= 3	**X=1010.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
7s=15,m=6		ok,ok	155.0	1.79	0.38	4d16 2+2 d16	0.25	0.08	3+3d8/15			
L=450.14	0.11201,206,201,204											
			323.0	1.79	0.38	4d16 2+2 d16	0.22	0.07	3+3d8/15			
L=2460.14	0.11201,206,201,204											
[b=1.0;1.0]			491.0	1.79	0.38	4d16 2+2 d16	0.69	0.07	3+3d8/15			
L=450.14	0.11201,206,201,204											

					M_P= 4	**X=0.0**	**Y=430.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
8s=15,m=6		ok,ok	155.0	1.79	0.35	4d16 2+2 d16	0.24	0.07	3+3d8/15			
L=450.11	0.10216,211,216,213											
			323.0	1.79	0.35	4d16 2+2 d16	0.20	0.06	3+3d8/15			
L=2460.12	0.10211,211,216,213											
[b=1.0;1.0]			491.0	1.79	0.35	4d16 2+2 d16	0.62	0.06	3+3d8/15			
L=450.12	0.10216,211,216,213											

					M_P= 5	**X=465.0**	**Y=430.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
9s=15,m=6		ok,ok	155.0	1.79	0.55	4d16 2+2 d16	0.18	0.13	3+3d8/15			
L=450.11	0.09216,213,207,195											
			323.0	1.79	0.55	4d16 2+2 d16	0.17	0.13	3+3d8/15			
L=2460.11	0.09195,213,207,195											
[b=1.0;1.0]			491.0	1.79	0.55	4d16 2+2 d16	0.50	0.13	3+3d8/15			
L=450.11	0.09195,213,207,195											

					M_P= 6	**X=1010.0**	**Y=430.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
10s=15,m=6		ok,ok	155.0	1.79	0.38	4d16 2+2 d16	0.25	0.08	3+3d8/15			
L=450.14	0.11206,201,206,207											
			323.0	1.79	0.38	4d16 2+2 d16	0.22	0.07	3+3d8/15			
L=2460.14	0.11206,201,206,207											
[b=1.0;1.0]			491.0	1.79	0.38	4d16 2+2 d16	0.69	0.07	3+3d8/15			
L=450.14	0.11206,201,206,207											

Pilas.	**%Af**	**r. snell.**	**V N/M**	**V N sis**	**V V/T cls**	**V V/T acc**
	1.79	0.55	0.69	0.13	0.14	0.11

Nodo	Conf.	Stato	Pilas.	Diam st	Passo	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	V. Ash	7.4.10	Rif. cmb
				mm	cm		cm	cm		cm	cm				
7	NO	ok	5	12	15.0	3	30.0	22.0	3	30.0	22.0	0.5	0.7	NO	185,213
9	NO	ok	6	12	5.0	3	30.0	22.0	3	45.0	22.0	0.8	0.7	NO	185,211
11	NO	ok	7	12	15.0	3	30.0	22.0	3	30.0	22.0	0.5	0.7	NO	185,207
13	NO	ok	8	12	15.0	3	30.0	22.0	3	30.0	22.0	0.5	0.7	NO	185,210
15	NO	ok	9	12	5.0	3	30.0	22.0	3	45.0	22.0	0.8	0.7	NO	185,216
17	NO	ok	10	12	15.0	3	30.0	22.0	3	30.0	22.0	0.5	0.7	NO	185,204

Nodo	Passo	V. 7.4.8	V. Ash
	5.00		
		0.85	0.69

							M_T= 6	Z=0.0	P=1	P=4	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
		cm									L=cm
20	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400216,131,124
	s=19,m=6	215.0	0.22	20.4	19.2	0.0	0.04	0.05	0.01	0.02	2d8/15 L=40081,213,213
		430.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400216,171,164
							M_T= 7	Z=0.0	P=1	P=3	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
21	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.06	2d8/15 L=153192,216,216
	s=19,m=6	232.5	0.22	20.4	19.2	0.0	0.04	0.04	0.01	0.03	2d8/15 L=128216,197,185
		465.0	0.22	20.4	19.2	0.0	0.05	0.08	0.05	0.10	2d8/15 L=15381,161,164
22	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.08	0.05	0.11	2d8/15 L=14841,161,164
	s=19,m=6	272.5	0.22	20.4	19.2	0.0	0.04	0.06	0.01	0.02	2d8/15 L=218171,188,192
		545.0	0.22	20.4	19.2	0.0	0.05	0.03	0.04	0.07	2d8/15 L=148188,171,176
							M_T= 8	Z=0.0	P=3	P=6	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
23	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400204,41,124
	s=19,m=6	215.0	0.22	20.4	19.2	0.0	0.04	0.06	0.01	0.02	2d8/15 L=40041,201,201
		430.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400208,41,164
							M_T= 9	Z=0.0	P=4	P=6	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
25	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.06	2d8/15 L=153200,216,216
	s=19,m=6	232.5	0.22	20.4	19.2	0.0	0.04	0.04	0.01	0.03	2d8/15 L=128212,197,193
		465.0	0.22	20.4	19.2	0.0	0.05	0.08	0.05	0.10	2d8/15 L=15381,121,124
24	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.08	0.05	0.11	2d8/15 L=14841,121,124
	s=19,m=6	272.5	0.22	20.4	19.2	0.0	0.04	0.06	0.01	0.02	2d8/15 L=218131,188,200
		545.0	0.22	20.4	19.2	0.0	0.05	0.03	0.04	0.07	2d8/15 L=148196,205,136
							M_T= 10	Z=0.0	P=2	P=5	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
26	ok,ok	0.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400216,131,136
	s=19,m=6	215.0	0.22	20.4	19.2	0.0	0.04	0.05	7.82e-03	0.02	2d8/15 L=40041,213,216
		430.0	0.22	20.4	19.2	0.0	0.05	0.03	0.03	0.07	2d8/15 L=400216,171,176
							M_T= 1	Z=491.0	P=4	P=6	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
2	ok,ok	0.0	0.40	6.0	6.0	0.0	0.08	0.32	0.15	0.24	2d8/15 L=50195,131,84
	s=16,m=6	232.5	0.40	6.0	6.0	0.0	0.08	0.38	0.09	0.10	2d8/20 L=335121,206,194
		465.0	0.54	6.0	8.0	0.0	0.10	0.75	0.24	0.38	2d8/15 L=5041,121,44
1	ok,ok	0.0	0.54	6.0	8.0	0.0	0.10	0.78	0.26	0.42	2d8/15 L=5081,121,84
	s=16,m=6	272.5	0.40	6.0	6.0	0.0	0.08	0.66	0.07	0.09	2d8/20 L=415121,216,195
		545.0	0.40	6.0	6.0	0.0	0.08	0.36	0.19	0.30	2d8/15 L=50194,121,44
							M_T= 2	Z=491.0	P=1	P=4	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
3	ok,ok	0.0	0.40	6.0	6.0	0.0	0.08	0.37	0.08	0.11	2d8/15 L=50216,216,216
	s=16,m=6	215.0	0.40	6.0	6.0	0.0	0.08	0.18	0.04	0.08	2d8/20 L=30041,216,216
		430.0	0.40	6.0	6.0	0.0	0.08	0.37	0.08	0.11	2d8/15 L=50211,211,213
							M_T= 3	Z=491.0	P=2	P=5	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
4	ok,ok	0.0	0.64	8.0	8.0	0.0	0.17	0.31	0.04	0.05	4d8/15 L=50216,216,216
	s=17,m=6	215.0	0.64	8.0	8.0	0.0	0.17	0.09	0.02	0.03	4d8/15 L=30017,216,213
		430.0	0.64	8.0	8.0	0.0	0.17	0.31	0.04	0.05	4d8/15 L=50211,211,213
							M_T= 4	Z=491.0	P=1	P=3	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
11	ok,ok	0.0	0.40	6.0	6.0	0.0	0.08	0.32	0.15	0.24	2d8/15 L=50188,171,84
	s=16,m=6	232.5	0.40	6.0	6.0	0.0	0.08	0.38	0.09	0.10	2d8/20 L=335161,201,185
		465.0	0.54	6.0	8.0	0.0	0.10	0.75	0.24	0.38	2d8/15 L=5041,161,44
12	ok,ok	0.0	0.54	6.0	8.0	0.0	0.10	0.78	0.26	0.42	2d8/15 L=5081,161,84
	s=16,m=6	272.5	0.40	6.0	6.0	0.0	0.08	0.66	0.07	0.09	2d8/20 L=415161,211,188
		545.0	0.40	6.0	6.0	0.0	0.08	0.36	0.19	0.30	2d8/15 L=50185,161,44
							M_T= 5	Z=491.0	P=3	P=6	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb

13	ok,ok	0.0	0.40	6.0	6.0	0.0	0.08	0.38	0.08	0.12	2d8/15 L=50206,206,206
	s=16,m=6	215.0	0.40	6.0	6.0	0.0	0.08	0.18	0.05	0.08	2d8/20 L=30081,206,207
		430.0	0.40	6.0	6.0	0.0	0.08	0.38	0.08	0.12	2d8/15 L=50201,201,207

Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.64	20.35	19.16	0.0	0.17	0.78	0.26	0.42

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare	[*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare	[*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck 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*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Pilas.	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	Pos.	rRfck	rRfyk	rPfck	Rif. cmb
	cm					cm				
5	0.0	0.06	0.05	0.04	335,335,354	168.0	0.10	0.07	0.08	335,335,354
	336.0	0.22	0.17	0.16	335,335,354					
6	0.0	0.09	0.08	0.08	335,335,354	168.0	0.11	0.09	0.11	335,335,354
	336.0	0.15	0.12	0.14	335,335,354					
7	0.0	0.06	0.05	0.04	335,335,354	168.0	0.13	0.10	0.12	335,335,354
	336.0	0.27	0.22	0.23	335,335,354					
8	0.0	0.06	0.05	0.04	315,315,354	168.0	0.10	0.07	0.08	315,315,354
	336.0	0.22	0.17	0.16	315,315,354					
9	0.0	0.09	0.08	0.08	315,315,354	168.0	0.11	0.09	0.11	315,315,354
	336.0	0.15	0.12	0.14	315,315,354					
10	0.0	0.06	0.05	0.04	315,315,354	168.0	0.13	0.10	0.12	315,315,354
	336.0	0.27	0.22	0.23	315,315,354					

Pilas.		rRfck	rRfyk	rPfck			rRfck	rRfyk	rPfck	
		0.27	0.22	0.23						

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		mm	mm	mm	
1	0.0	0.30	0.64	0.36	289,289,354	0.15	0.16	0.15	289,343,354	-4.58	-4.80	-4.45	309,343,354
	272.5	0.21	0.54	0.26	329,309,354	0.13	0.13	0.13	309,343,354				
	545.0	0.06	0.16	0.07	275,275,354	0.0	0.0	0.0	0,0,0				
2	0.0	0.04	0.11	0.04	295,295,354	0.0	0.0	0.0	0,0,0	-0.94	-0.86	-0.85	329,343,354
	232.5	0.12	0.31	0.15	329,309,354	0.0	0.0	0.0	0,0,0				
	465.0	0.28	0.61	0.34	269,269,354	0.14	0.15	0.14	269,343,354				
3	0.0	0.05	0.12	0.02	333,333,354	0.0	0.0	0.0	0,0,0	-0.47	-0.49	-0.50	315,350,354
	215.0	0.06	0.15	0.08	289,275,354	0.0	0.0	0.0	0,0,0				
	430.0	0.05	0.12	0.02	313,313,354	0.0	0.0	0.0	0,0,0				
4	0.0	0.07	0.12	0.04	333,335,354	0.0	0.0	0.0	0,0,0	-0.61	-0.61	-0.61	257,343,354
	215.0	0.04	0.08	0.06	257,295,354	0.0	0.0	0.0	0,0,0				
	430.0	0.07	0.12	0.04	313,315,354	0.0	0.0	0.0	0,0,0				
11	0.0	0.04	0.11	0.04	295,295,354	0.0	0.0	0.0	0,0,0	-0.94	-0.86	-0.85	309,343,354
	232.5	0.12	0.31	0.15	309,329,354	0.0	0.0	0.0	0,0,0				
	465.0	0.28	0.61	0.34	269,269,354	0.14	0.15	0.14	269,343,354				
12	0.0	0.30	0.64	0.36	289,289,354	0.15	0.16	0.15	289,343,354	-4.58	-4.80	-4.45	329,343,354
	272.5	0.21	0.54	0.26	309,329,354	0.13	0.13	0.13	329,343,354				
	545.0	0.06	0.16	0.07	275,275,354	0.0	0.0	0.0	0,0,0				
13	0.0	0.05	0.12	0.02	333,333,354	0.0	0.0	0.0	0,0,0	-0.47	-0.49	-0.50	315,350,354
	215.0	0.06	0.15	0.08	269,295,354	0.0	0.0	0.0	0,0,0				
	430.0	0.05	0.12	0.02	313,313,354	0.0	0.0	0.0	0,0,0				
20	0.0	3.47e-03	0.01	1.81e-04	315,333,354	0.0	0.0	0.0	0,0,0	0.05	0.03	0.03	313,350,354
	215.0	8.69e-03	0.04	0.01	289,289,354	0.0	0.0	0.0	0,0,0				
	430.0	3.47e-03	0.01	1.81e-04	335,313,354	0.0	0.0	0.0	0,0,0				
21	0.0	1.75e-03	8.99e-03	9.90e-04	295,295,354	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	315,350,354
	232.5	5.59e-03	0.03	5.96e-03	335,335,354	0.0	0.0	0.0	0,0,0				
	465.0	0.02	0.07	0.03	289,289,354	0.0	0.0	0.0	0,0,0				
22	0.0	0.02	0.07	0.03	269,269,354	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	335,352,354
	272.5	8.92e-03	0.05	0.01	335,335,354	0.0	0.0	0.0	0,0,0				
	545.0	1.91e-03	9.85e-03	1.20e-03	275,275,354	0.0	0.0	0.0	0,0,0				
23	0.0	3.85e-03	0.01	1.19e-04	315,315,354	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.03	313,350,354
	215.0	9.40e-03	0.05	0.01	269,269,354	0.0	0.0	0.0	0,0,0				
	430.0	3.85e-03	0.01	1.19e-04	335,335,354	0.0	0.0	0.0	0,0,0				
24	0.0	0.02	0.07	0.03	269,269,354	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	315,350,354
	272.5	8.92e-03	0.05	0.01	315,315,354	0.0	0.0	0.0	0,0,0				
	545.0	1.91e-03	9.85e-03	1.20e-03	275,275,354	0.0	0.0	0.0	0,0,0				
25	0.0	1.75e-03	8.99e-03	9.90e-04	295,295,354	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	335,352,354
	232.5	5.59e-03	0.03	5.96e-03	315,315,354	0.0	0.0	0.0	0,0,0				
	465.0	0.02	0.07	0.03	289,289,354	0.0	0.0	0.0	0,0,0				
26	0.0	4.84e-03	0.01	4.46e-									

06315,315,3540.0		0.0	0.0	0,0,0	0.03	0.03	0.03309,343,354						
	215.0	8.72e-03	0.04	0.01269,269,354		0.0	0.0	0.0	0,0,0				
	430.0	4.84e-03	0.01	4.46e-06335,335,354		0.0	0.0	0.0	0,0,0				

Trave	**rRfck**	**rRfyk**	**rPfck**	**wR**	**wF**	**wP**	**dR**	**dF**	**dP**
							-4.58	-4.80	-4.45
	0.30	0.64	0.36	0.15	0.16	0.15	0.05	0.03	0.03