



*S.P. N. 88 "Ceto Cimbergo Paspardo"*  
*Manutenzione straordinaria del ponte al km 3+622 in comune di Ceto*  
*Codice ponte: BSSP088\_ P003*

*CUP: H27H20001600002*

*Livello progetto: Esecutivo*

Stazione Appaltante:

**PROVINCIA DI BRESCIA**  
**AREA DEL TERRITORIO**  
**SETTORE DELLE STRADE E DEI TRASPORTI**

TAV.

***TAB***

***TABULATI DI CALCOLO***

data: Gennaio 2022

Rev. 00

*Raggruppamento Temporaneo di Professionisti:*

***GUIDO BOTTANELLI - Ingegnere***

Via Bernardolo, 19

25040 Malonno ( BS)

T. 347-8957508

e-mail: [guido.bottanelli@libero.it](mailto:guido.bottanelli@libero.it)

***GELMI MICHELE - Geometra***

Via Marconi n. 59

25048 Edolo ( BS)

T. 0364/71216

e-mail: [info@gmstudiodiprogettazione.it](mailto:info@gmstudiodiprogettazione.it)



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

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2020-12-191)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE ( Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	e-TIME (build 2020-12-191)

Descrizione	
Progetto	
Ubicazione	Comune di CETO (BS) (Regione LOMBARDIA)
	Località CETO (BS)
	Longitudine 10.352, Latitudine 46.002
Progettista	Bottanelli Ing. Guido

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” - versione Agosto 2020, disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>

# INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto
<b>Progetto</b>
<u>S.P. N. 88 "Ceto Cimbergo Paspardo"</u> <u>Manutenzione straordinaria del ponte al km 3+622 in comune di Ceto</u> <u>Codice ponte: BSSP088 P003</u>

Contenuti della relazione:

## RELAZIONE DI CALCOLO STRUTTURALE

- *Origine e Caratteristiche dei Codici di Calcolo*
- *Affidabilità dei codici utilizzati*
- *Validazione dei codici*
- *Tipo di analisi svolta*
- *Modalità di presentazione dei risultati*
- *Informazioni generali sull'elaborazione*
- *Giudizio motivato di accettabilità dei risultati*

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- *Normative prese a riferimento*
- *Criteri adottati per le misure di sicurezza*
- *Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconnessioni*
- *Interazione tra terreno e struttura*
- *Legami costitutivi adottati per la modellazione dei materiali e dei terreni*
- *Schematizzazione delle azioni, condizioni e combinazioni di carico*
- *Metodologie numeriche utilizzate per l'analisi strutturale*
- *Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali*

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Il Progettista:

29 gennaio 2022

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# RELAZIONE DI CALCOLO STRUTTURALE

## Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

## Descrizione generale dell'opera

Descrizione generale dell'opera	
Fabbricato ad uso	Ponte Carrabile 1^ Cat
Ubicazione	Comune di CETO (BS) (Regione LOMBARDIA)
	Località CETO (BS)
	Longitudine 10.352, Latitudine 46.002
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	
Struttura regolare in altezza	
Classe di duttilità	
Travi: ricalate o in spessore	
Pilastrì	
Pilastrì in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

Fattore di struttura/comportamento
Q=1,5

## Quadro normativo di riferimento adottato

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

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

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

## Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

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

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

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

$$\mathbf{K} * \mathbf{u} = \mathbf{F} \quad \text{dove} \quad \mathbf{K} = \text{matrice di rigidezza}$$

$$\mathbf{u} = \text{vettore spostamenti nodali}$$

$$\mathbf{F} = \text{vettore forze nodali}$$

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

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

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

Elemento tipo <b>TRUSS</b>	(biella-D2)
Elemento tipo <b>BEAM</b>	(trave-D2)
Elemento tipo <b>MEMBRANE</b>	(membrana-D3)
Elemento tipo <b>PLATE</b>	(piastra-guscio-D3)
Elemento tipo <b>BOUNDARY</b>	(molla)
Elemento tipo <b>STIFFNESS</b>	(matrice di rigidezza)
Elemento tipo <b>BRICK</b>	(elemento solido)
Elemento tipo <b>SOLAIO</b>	(macro elemento composto da più membrane)

## Modello numerico

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

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2020-12-191)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Guido Bottanelli
Codice Utente:	
Codice Licenza:	e-TIME build 2020-12-191

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	121
elementi D2 (per aste, travi, pilastri...)	126
elementi D3 (per pareti, platee, gusci...)	50
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-399.72
Xmax =	215.66
Ymin =	-724.21
Ymax =	721.57
Zmin =	0.00
Zmax =	105.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	SI

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

## Modellazione delle azioni

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

## Combinazioni e/o percorsi di carico

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

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

Principali risultati
<p>I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.</p> <p>Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:</p> <p>per l'analisi modale:</p> <ul style="list-style-type: none"> <li>periodi dei modi di vibrare della struttura</li> </ul>

- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

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

altri risultati significativi:

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

### Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

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

## Verifiche agli stati limite ultimi

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

## Verifiche agli stati limite di esercizio

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

## RELAZIONE SUI MATERIALI

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

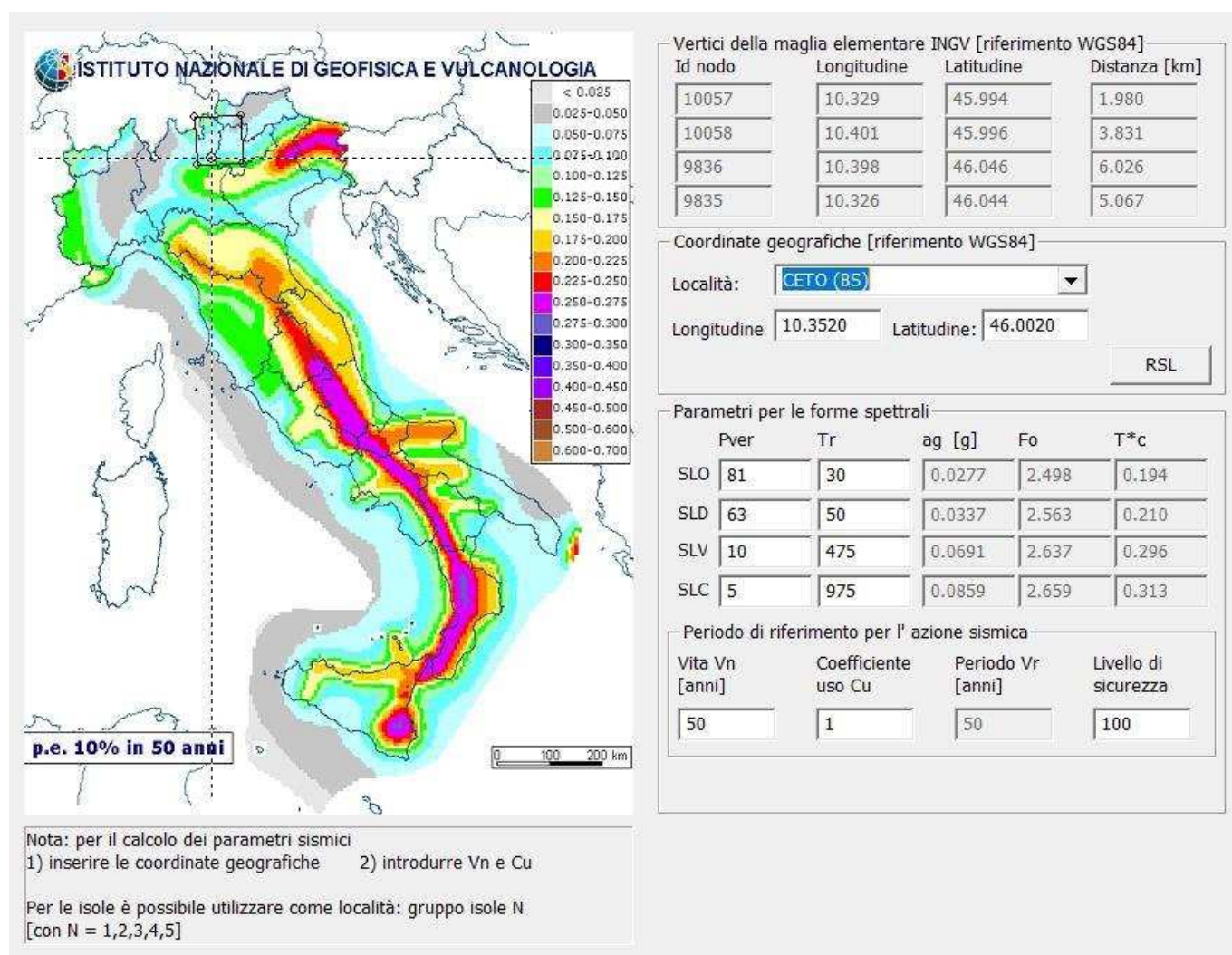


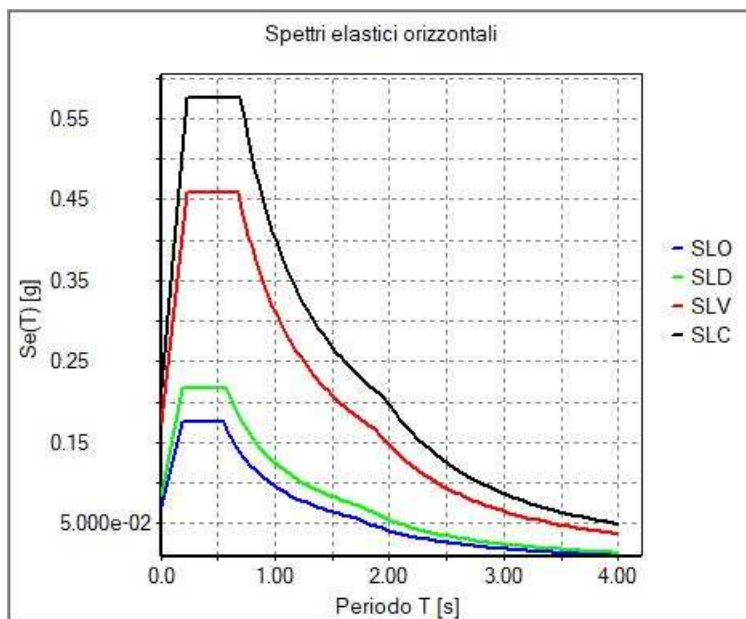
## NORMATIVA DI RIFERIMENTO

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

31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

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





01\_INT\_SPETTRI\_ELASTICI\_O

# CARATTERISTICHE MATERIALI UTILIZZATI

## LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	c.a.	Resistenza Rc	resistenza a compressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
	a		

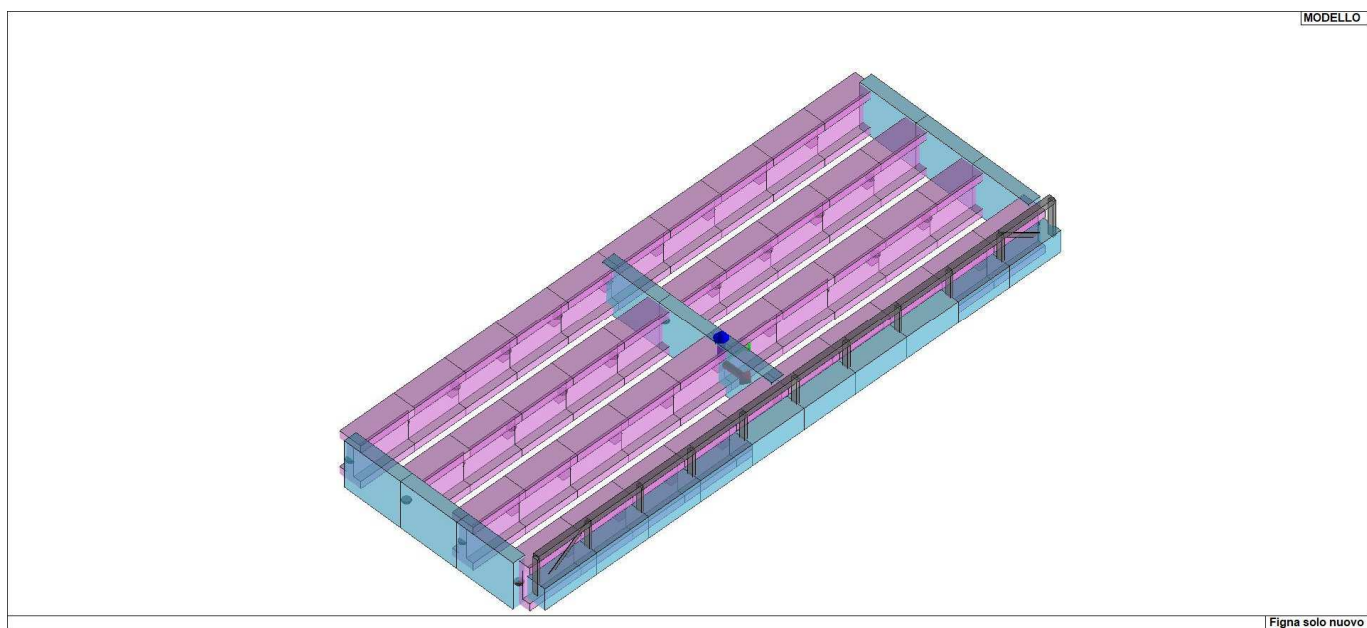
	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
	Incremento resistenza	Incremento conseguito in termini di resistenza
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza fvlm	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

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

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		N/mm2	N/mm2	N/mm2		N/mm2	N/mm3		
5	Calcestruzzo Classe C32/40			3.360e+04	0.20	1.400e+04	2.50e-05	1.00e-05	
	Resistenza Rc	40.0							
	Resistenza fctm		3.1						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
7	Calcestruzzo Classe C40/50			3.550e+04	0.20	1.479e+04	2.50e-05	1.00e-05	
	Resistenza Rc	50.0							
	Resistenza fctm		3.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
12	Acciaio Fe430 - S275-acciaio Fe430-S275			2.100e+05	0.30	8.077e+04	7.85e-05	1.20e-05	
	Tensione ft	430.0							
	Resistenza fd	275.0							

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Resistenza fd (>40)	250.0							
	Tensione ammissibile	190.0							
	Tensione ammissibile (>40)	170.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
14	pioli infi-acciaio Fe510-S355			1.000e+11	0.30	5.000e+10	0.0	1.00e-05	
	Tensione ft	510.0							
	Resistenza fd	355.0							
	Resistenza fd (>40)	315.0							
	Tensione ammissibile	240.0							
	Tensione ammissibile (>40)	210.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



## 11\_MOD\_MATERIALI\_D2

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

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Lunghezze libere</b>						
3-3 Beta * L automatico	SI					

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

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Armatura</b>						
Inclinazione Ax [ gradi ]	0.0					
Angolo Ax-Ay [ gradi ]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [ cm ]	4.50					
<b>Maglia x</b>						
diametro	10					
passo	20					
diametro aggiuntivi	12					
<b>Maglia y</b>						
diametro	10					
passo	20					
diametro aggiuntivi	12					
<b>Stati limite ultimi</b>						
Tensione fy [ N/mm2 ]	450.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	NO					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [ N/mm2 ]	9.75					
Tensione amm. acciaio [ N/mm2 ]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Resistenza al fuoco</b>						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetta a filo	NO					
Af inf: da q*L*L /	0.0					
<b>Armatura</b>						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	SI					
Usa armatura teorica	NO					
<b>Stati limite ultimi</b>						
Tensione fy [ N/mm2 ]	450.00					
Tensione fy staffe [ N/mm2 ]	450.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					

<b>Travi c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
Fattore di redistribuzione	0.0					
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [ N/mm2 ]	9.75					
Tensione amm. acciaio [ N/mm2 ]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Staffe</b>						
Diametro staffe	0.0					
Passo minimo [ cm ]	4.00					
Passo massimo [ cm ]	30.00					
Passo raffittito [ cm ]	15.00					
Lunghezza zona raffittita [ cm ]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [ cm ]	1.00					
Adotta scorrimento medio	NO					
Torsione non essenziale inclusa	SI					



# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

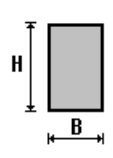
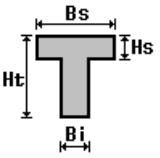
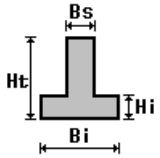
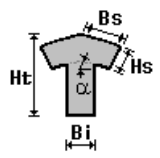
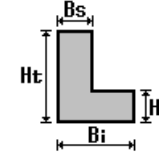
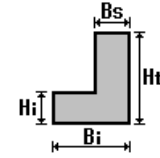
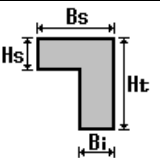
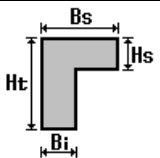
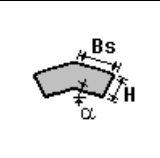
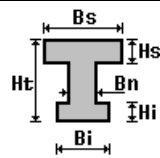
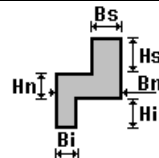
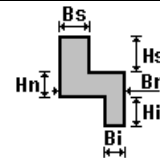
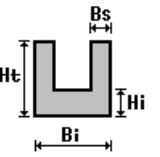
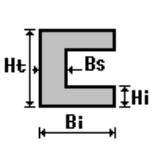
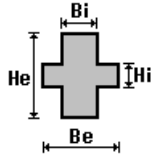
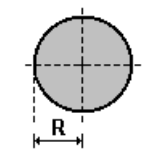
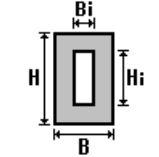
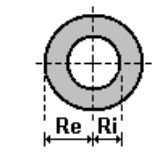
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

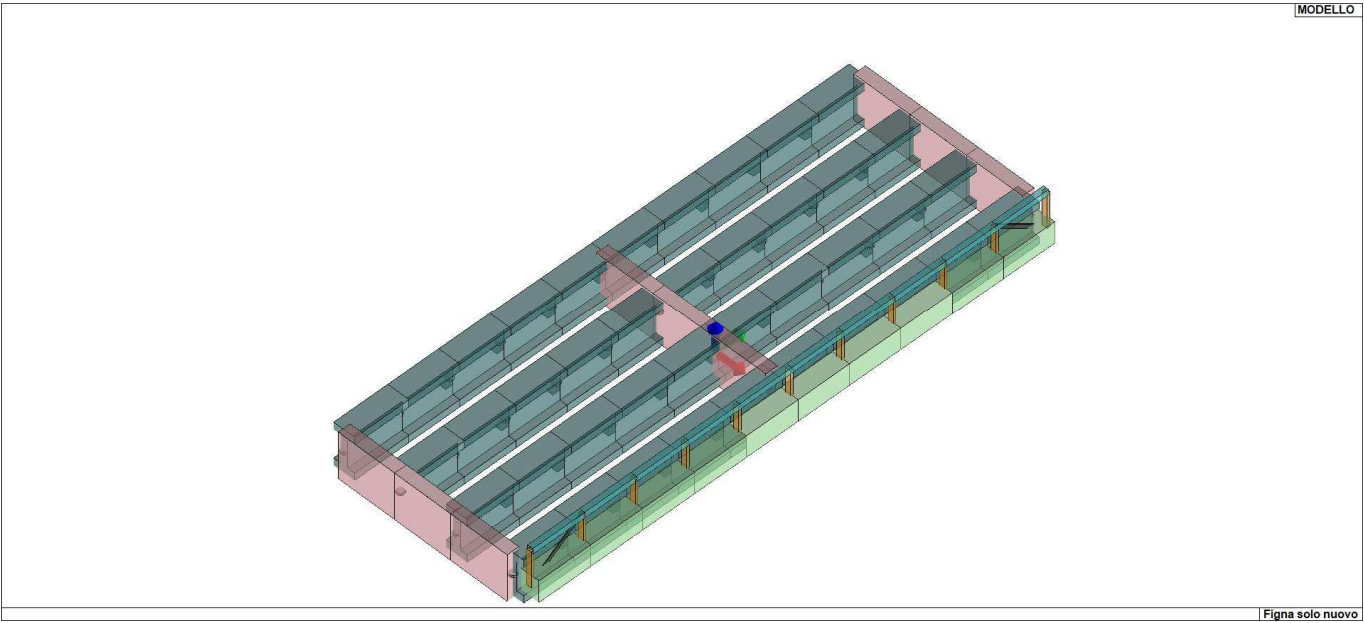
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali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

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

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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
3	TRAVE NUOVA-Doppio T: bi=60 ba=20 bs=60 ht=120 hi=20 hs=20	4000.00	0.0	0.0	5.392e+05	7.733e+05	6.933e+06	2.578e+04	1.156e+05	4.400e+04	1.520e+05
4	CORDOLO MONTE- Rettangolare: b=50 h=60	3000.00	2500.00	2500.00	1.246e+06	6.250e+05	9.000e+05	2.500e+04	3.000e+04	3.750e+04	4.500e+04
8	TRAVERSO Nuovo- Rettangolare: b=32.5 h=130	4225.00	3520.83	3520.83	1.253e+06	3.719e+05	5.950e+06	2.289e+04	9.154e+04	3.433e+04	1.373e+05
9	ASTA FITTIZIA-Circolare: r=10	314.16	265.07	265.07	1.571e+04	7853.98	7853.98	785.40	785.40	1333.33	1333.33
10	Rettangolare cava: b=7 h=14 bi=5.6 hi=12.6	27.44	0.0	0.0	501.48	215.77	667.16	61.65	95.31	72.72	120.74
11	Rettangolare: b=1 h=10	10.00	8.33	8.33	3.12	0.83	83.33	1.67	16.67	2.50	25.00
13	T.QU 150x3	17.96	0.0	0.0	952.96	636.00	636.00	84.70	84.70	97.25	97.25



13\_MOD\_SEZIONI

# MODELLAZIONE STRUTTURA: NODI

## LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	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:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z
<b>Note</b>	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).
<b>Note</b>	(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
<b>Rig. TX</b>	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

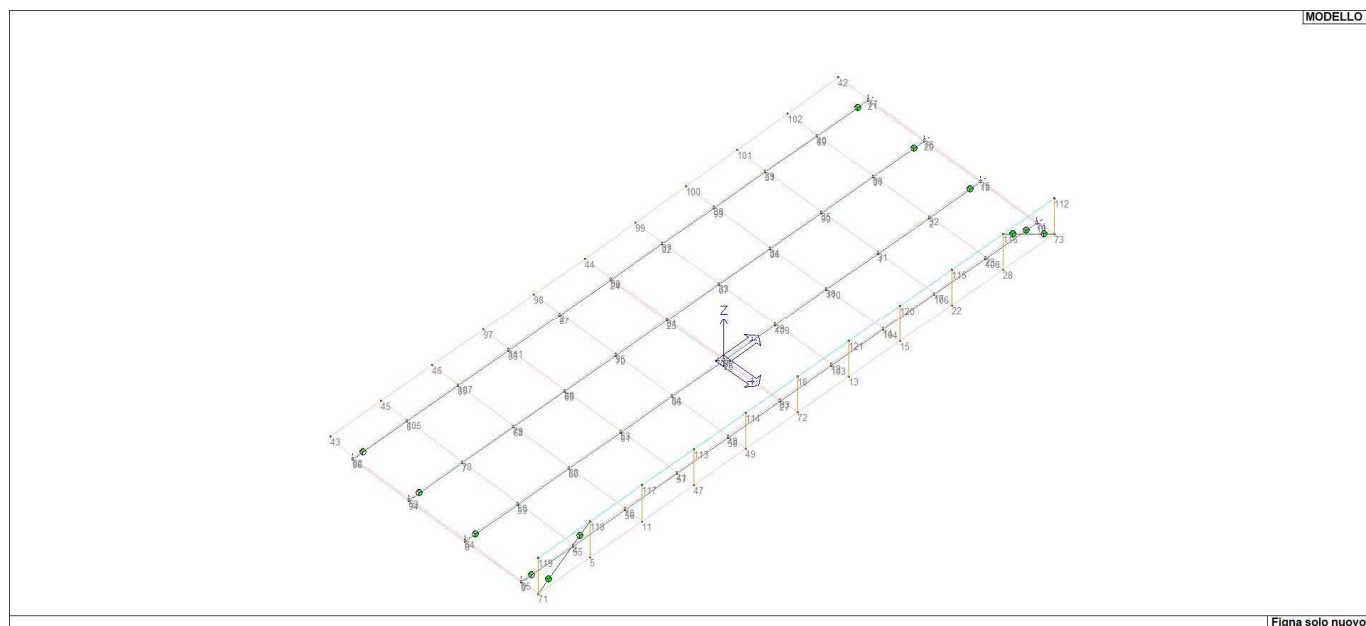
Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

## 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	3.4	430.0	0.0	2	4.5	573.3	0.0	3	-321.1	-139.5	5.0
4	155.4	-578.4	5.0	5	205.4	-579.7	5.0	6	-324.5	-565.8	0.0
7	-164.5	-570.0	0.0	10	156.6	-434.1	5.0	11	206.6	-435.2	5.0
12	161.1	141.9	5.0	13	211.1	141.5	5.0	14	162.3	285.1	5.0
15	212.3	284.7	5.0	16	210.0	-1.7	105.0	17	163.4	428.3	5.0
22	213.4	427.8	5.0	23	164.5	571.6	5.0	24	-320.0	2.5	0.0
25	-160.0	1.3	0.0	26	0.0	0.0	0.0	27	160.0	-1.3	0.0
28	214.5	571.0	5.0	29	1.1	143.3	5.0	30	2.3	286.7	5.0
31	3.4	430.0	5.0	32	4.5	573.3	5.0	33	-158.9	144.7	5.0
34	-157.7	288.2	5.0	35	-156.6	431.6	5.0	36	-155.5	575.1	5.0
37	-318.9	146.1	5.0	38	-317.7	289.7	5.0	39	-316.6	433.3	5.0
40	-315.4	576.9	5.0	41	157.7	-289.8	5.0	42	-399.7	721.6	5.0
43	-399.7	-705.3	5.0	44	-394.1	5.1	5.0	45	-398.6	-563.2	5.0
46	-397.5	-421.1	5.0	47	207.7	-290.7	5.0	48	158.9	-145.5	5.0
49	208.9	-146.2	5.0	50	-4.5	-574.2	5.0	51	-316.6	433.3	0.0
52	-3.4	-430.6	5.0	53	-2.3	-287.1	5.0	54	-1.1	-143.5	5.0
55	155.4	-578.4	0.0	56	156.6	-434.1	0.0	57	157.7	-289.8	0.0
58	158.9	-145.5	0.0	59	-4.5	-574.2	0.0	60	-3.4	-430.6	0.0
61	-2.3	-287.1	0.0	62	-325.7	-717.0	5.0	63	-165.7	-718.9	5.0
64	-5.7	-720.8	5.0	65	154.3	-722.7	5.0	66	-1.1	-143.5	0.0

67	-158.9	144.7	0.0	68	-163.4	-427.2	0.0	69	-162.3	-284.4	0.0
70	-161.1	-141.5	0.0	71	204.3	-724.2	5.0	72	210.0	-1.7	5.0
73	215.7	714.2	5.0	74	165.7	714.8	5.0	75	5.7	716.7	5.0
76	-154.3	718.5	5.0	77	-314.3	720.4	5.0	78	-164.5	-570.0	5.0
79	-163.4	-427.2	5.0	80	-320.0	2.5	5.0	81	-160.0	1.3	5.0
82	0.0	0.0	5.0	83	160.0	-1.3	5.0	84	-157.7	288.2	0.0
85	-323.4	-423.7	0.0	86	-322.2	-281.6	0.0	87	-321.1	-139.5	0.0
88	-162.3	-284.4	5.0	89	-315.4	576.9	0.0	90	-156.6	431.6	0.0
91	-155.5	575.1	0.0	92	-318.9	146.1	0.0	93	-317.7	289.7	0.0
95	-161.1	-141.5	5.0	97	-396.3	-279.0	5.0	98	-395.2	-136.9	5.0
99	-395.2	148.4	5.0	100	-396.3	291.7	5.0	101	-397.5	435.0	5.0
102	-398.6	578.3	5.0	103	161.1	141.9	0.0	104	162.3	285.1	0.0
105	-324.5	-565.8	5.0	106	163.4	428.3	0.0	107	-323.4	-423.7	5.0
108	164.5	571.6	0.0	109	1.1	143.3	0.0	110	2.3	286.7	0.0
111	-322.2	-281.6	5.0	112	215.7	714.2	105.0	113	207.7	-290.7	105.0
114	208.9	-146.2	105.0	115	213.4	427.8	105.0	116	214.5	571.0	105.0
117	206.6	-435.2	105.0	118	205.4	-579.7	105.0	119	204.3	-724.2	105.0
120	212.3	284.7	105.0	121	211.1	141.5	105.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
8	-5.7	-720.8	0.0		4270.0	4270.0	1.464e+06			
9	154.3	-722.7	0.0		4270.0	4270.0	1.464e+06			
18	165.7	714.8	0.0		4270.0	4270.0	1.464e+06			
19	5.7	716.7	0.0		4270.0	4270.0	1.464e+06			
20	-154.3	718.5	0.0		4270.0	4270.0	1.464e+06			
21	-314.3	720.4	0.0		4270.0	4270.0	1.464e+06			
94	-165.7	-718.9	0.0		4270.0	4270.0	1.464e+06			
96	-325.7	-717.0	0.0		4270.0	4270.0	1.464e+06			



14\_MOD\_NUMERAZIONE\_NODI

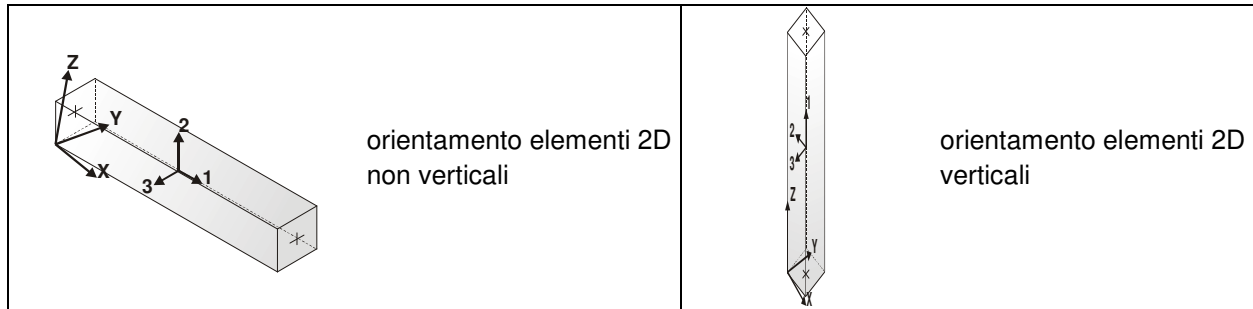
# MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

## TABELLA DATI TRAVI

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

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

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

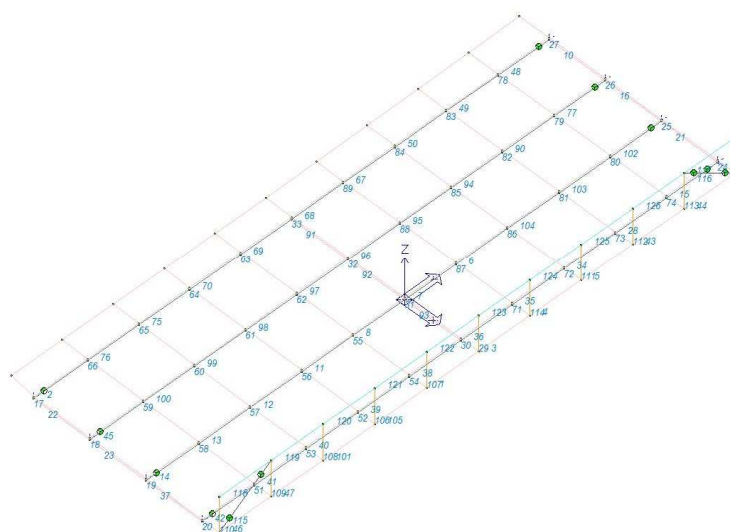


In particolare per ogni elemento viene indicato in tabella:

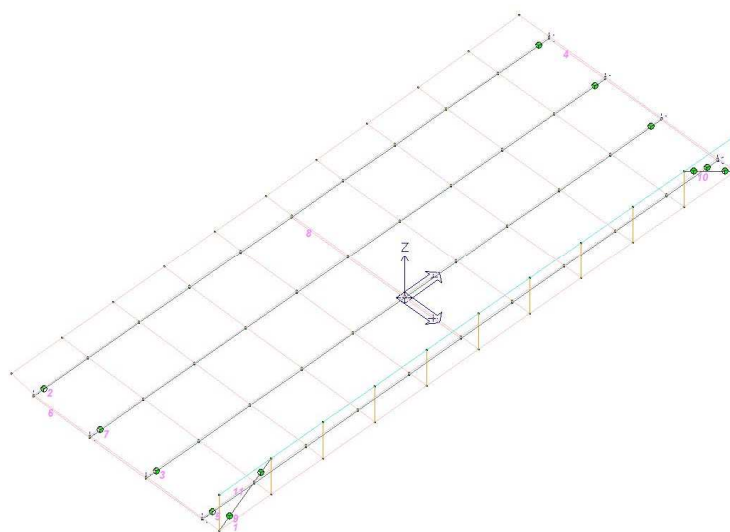
<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
<b>Nodo I (J)</b>	numero del nodo iniziale (finale)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Sez.</b>	codice della sezione assegnata all'elemento
<b>Rotaz.</b>	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
<b>Svincolo I (J)</b>	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)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
<b>Wink O</b>	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	49	72	5	4	1					
2	Trave	96	6	7	3	1		000101			
3	Trave	72	13	5	4	1					
4	Trave	13	15	5	4	1					
5	Trave	15	22	5	4	1					
6	Trave	109	110	7	3	1					
7	Trave	26	109	7	3	1					
8	Trave	66	26	7	3	1					
9	Pilas.	73	112	12	10	1					
10	Trave	21	20	5	8	1					
11	Trave	61	66	7	3	1					
12	Trave	60	61	7	3	1					
13	Trave	59	60	7	3	1					
14	Trave	8	59	7	3	1		000011			
15	Trave	108	18	7	3	1			000111		
16	Trave	20	19	5	8	1					
17	Pilas.	96	62	14	9	1					
18	Pilas.	94	63	14	9	1					
19	Pilas.	8	64	14	9	1					
20	Pilas.	9	65	14	9	1					
21	Trave	19	18	5	8	1					
22	Trave	96	94	5	8	1					
23	Trave	94	8	5	8	1					
24	Pilas.	18	74	14	9	1					
25	Pilas.	19	75	14	9	1					
26	Pilas.	20	76	14	9	1					
27	Pilas.	21	77	14	9	1					
28	Trave	106	108	7	3	1					
29	Pilas.	72	16	12	10	1					
30	Pilas.	27	83	14	9	1					
31	Pilas.	26	82	14	9	1					
32	Pilas.	25	81	14	9	1					
33	Pilas.	24	80	14	9	1					
34	Trave	104	106	7	3	1					
35	Trave	103	104	7	3	1					
36	Trave	27	103	7	3	1					
37	Trave	8	9	5	8	1					
38	Trave	58	27	7	3	1					
39	Trave	57	58	7	3	1					
40	Trave	56	57	7	3	1					
41	Trave	55	56	7	3	1					
42	Trave	9	55	7	3	1		000101			
43	Trave	22	28	5	4	1					
44	Trave	28	73	5	4	1					
45	Trave	94	7	7	3	1		000011			
46	Trave	71	5	5	4	1					
47	Trave	5	11	5	4	1					
48	Trave	89	21	7	3	1			000111		
49	Trave	51	89	7	3	1					
50	Trave	93	51	7	3	1					
51	Pilas.	55	4	14	9	1					
52	Pilas.	57	41	14	9	1					
53	Pilas.	56	10	14	9	1					
54	Pilas.	58	48	14	9	1					
55	Pilas.	66	54	14	9	1					
56	Pilas.	61	53	14	9	1					
57	Pilas.	60	52	14	9	1					
58	Pilas.	59	50	14	9	1					
59	Pilas.	7	78	14	9	1					
60	Pilas.	68	79	14	9	1					
61	Pilas.	69	88	14	9	1					
62	Pilas.	70	95	14	9	1					
63	Pilas.	87	3	14	9	1					
64	Pilas.	86	111	14	9	1					
65	Pilas.	85	107	14	9	1					
66	Pilas.	6	105	14	9	1					
67	Trave	92	93	7	3	1					
68	Trave	24	92	7	3	1					
69	Trave	87	24	7	3	1					
70	Trave	86	87	7	3	1					
71	Pilas.	103	12	14	9	1					
72	Pilas.	104	14	14	9	1					
73	Pilas.	106	17	14	9	1					

74	Pilas.	108	23	14	9	1		
75	Trave	85	86	7	3	1		
76	Trave	6	85	7	3	1		
77	Trave	91	20	7	3	1	000111	
78	Pilas.	89	40	14	9	1		
79	Pilas.	91	36	14	9	1		
80	Pilas.	2	32	14	9	1		
81	Pilas.	1	31	14	9	1		
82	Pilas.	90	35	14	9	1		
83	Pilas.	51	39	14	9	1		
84	Pilas.	93	38	14	9	1		
85	Pilas.	84	34	14	9	1		
86	Pilas.	110	30	14	9	1		
87	Pilas.	109	29	14	9	1		
88	Pilas.	67	33	14	9	1		
89	Pilas.	92	37	14	9	1		
90	Trave	90	91	7	3	1		
91	Trave	24	25	5	8	1		
92	Trave	25	26	5	8	1		
93	Trave	26	27	5	8	1		
94	Trave	84	90	7	3	1		
95	Trave	67	84	7	3	1		
96	Trave	25	67	7	3	1		
97	Trave	70	25	7	3	1		
98	Trave	69	70	7	3	1		
99	Trave	68	69	7	3	1		
100	Trave	7	68	7	3	1		
101	Trave	11	47	5	4	1		
102	Trave	2	19	7	3	1	000111	
103	Trave	1	2	7	3	1		
104	Trave	110	1	7	3	1		
105	Trave	47	49	5	4	1		
106	Pilas.	47	113	12	10	1		
107	Pilas.	49	114	12	10	1		
108	Pilas.	11	117	12	10	1		
109	Pilas.	5	118	12	10	1		
110	Pilas.	71	119	12	10	1		
111	Pilas.	15	120	12	10	1		
112	Pilas.	22	115	12	10	1		
113	Pilas.	28	116	12	10	1		
114	Pilas.	13	121	12	10	1		
115	Trave	71	118	12	11	1	000111	000011
116	Trave	116	73	12	11	1	000111	000011
117	Trave	116	112	12	13	1		
118	Trave	119	118	12	13	1		
119	Trave	118	117	12	13	1		
120	Trave	117	113	12	13	1		
121	Trave	113	114	12	13	1		
122	Trave	114	16	12	13	1		
123	Trave	16	121	12	13	1		
124	Trave	121	120	12	13	1		
125	Trave	120	115	12	13	1		
126	Trave	115	116	12	13	1		



15\_MOD\_NUMERAZIONE\_D2



15\_MOD\_NUMERAZIONE\_D2\_TRAVATE



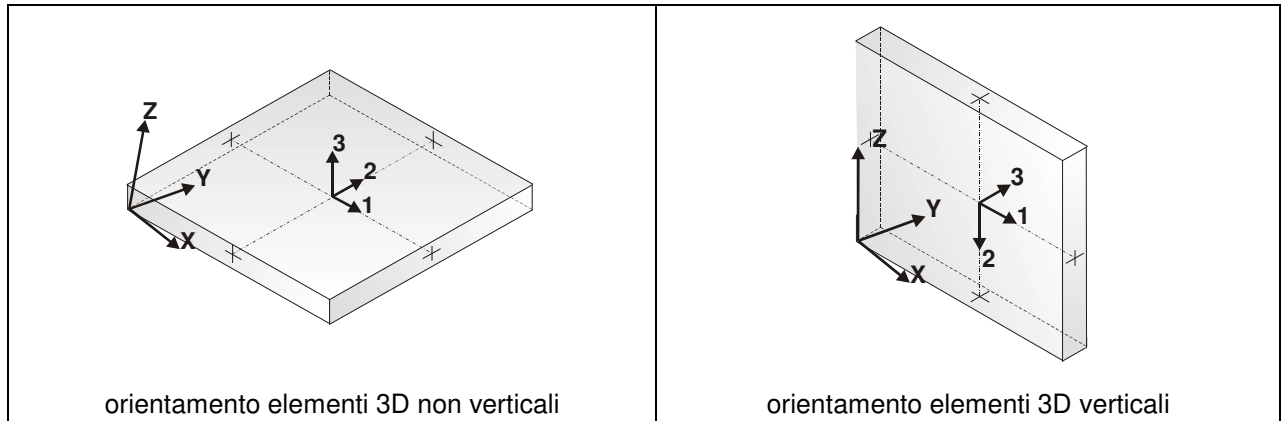
# MODELLAZIONE STRUTTURA: ELEMENTI SHELL

## LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

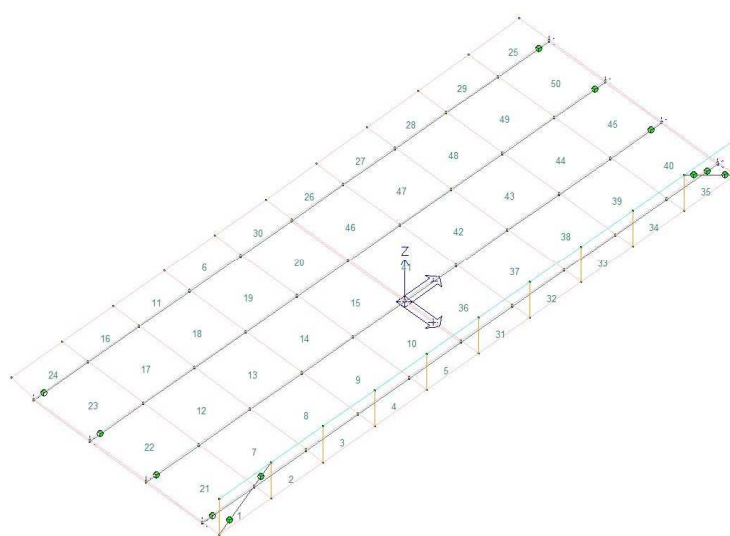
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
<b>Nodo I (J, K, L)</b>	numero del nodo I (J, K, L)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Spessore</b>	spessore dell'elemento (costante)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
<b>Wink O</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Guscio	65	71	5	4	5	1	25.0			
2	Guscio	4	5	11	10	5	1	25.0			
3	Guscio	10	11	47	41	5	1	25.0			
4	Guscio	41	47	49	48	5	1	25.0			
5	Guscio	48	49	72	83	5	1	25.0			
6	Guscio	97	111	3	98	5	1	25.0			
7	Guscio	50	4	10	52	5	1	25.0			
8	Guscio	52	10	41	53	5	1	25.0			
9	Guscio	53	41	48	54	5	1	25.0			
10	Guscio	54	48	83	82	5	1	25.0			
11	Guscio	46	107	111	97	5	1	25.0			
12	Guscio	78	50	52	79	5	1	25.0			
13	Guscio	79	52	53	88	5	1	25.0			
14	Guscio	88	53	54	95	5	1	25.0			
15	Guscio	95	54	82	81	5	1	25.0			
16	Guscio	45	105	107	46	5	1	25.0			
17	Guscio	105	78	79	107	5	1	25.0			
18	Guscio	107	79	88	111	5	1	25.0			
19	Guscio	111	88	95	3	5	1	25.0			
20	Guscio	3	95	81	80	5	1	25.0			
21	Guscio	64	65	4	50	5	1	25.0			
22	Guscio	63	64	50	78	5	1	25.0			
23	Guscio	62	63	78	105	5	1	25.0			
24	Guscio	43	62	105	45	5	1	25.0			
25	Guscio	102	40	77	42	5	1	25.0			
26	Guscio	44	80	37	99	5	1	25.0			
27	Guscio	99	37	38	100	5	1	25.0			
28	Guscio	100	38	39	101	5	1	25.0			
29	Guscio	101	39	40	102	5	1	25.0			
30	Guscio	98	3	80	44	5	1	25.0			
31	Guscio	83	72	13	12	5	1	25.0			
32	Guscio	12	13	15	14	5	1	25.0			
33	Guscio	14	15	22	17	5	1	25.0			
34	Guscio	17	22	28	23	5	1	25.0			
35	Guscio	23	28	73	74	5	1	25.0			
36	Guscio	82	83	12	29	5	1	25.0			
37	Guscio	29	12	14	30	5	1	25.0			
38	Guscio	30	14	17	31	5	1	25.0			
39	Guscio	31	17	23	32	5	1	25.0			
40	Guscio	32	23	74	75	5	1	25.0			
41	Guscio	81	82	29	33	5	1	25.0			
42	Guscio	33	29	30	34	5	1	25.0			
43	Guscio	34	30	31	35	5	1	25.0			
44	Guscio	35	31	32	36	5	1	25.0			
45	Guscio	36	32	75	76	5	1	25.0			
46	Guscio	80	81	33	37	5	1	25.0			
47	Guscio	37	33	34	38	5	1	25.0			
48	Guscio	38	34	35	39	5	1	25.0			
49	Guscio	39	35	36	40	5	1	25.0			
50	Guscio	40	36	76	77	5	1	25.0			



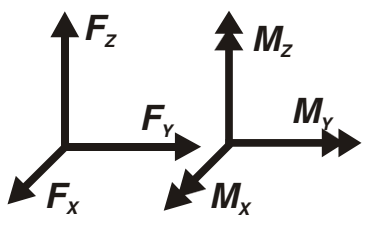
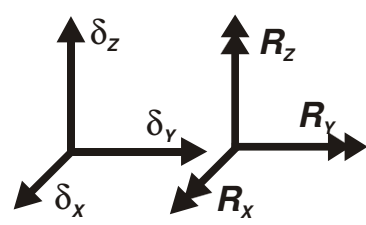
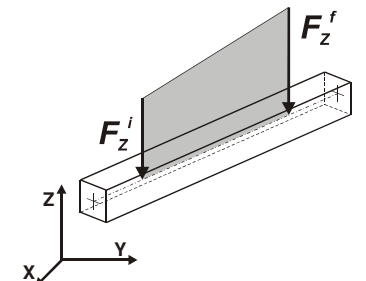
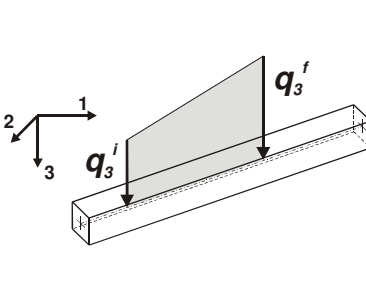
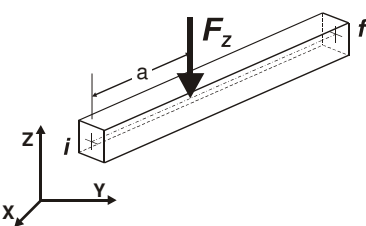
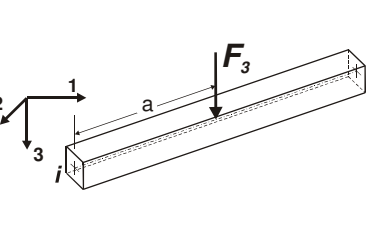
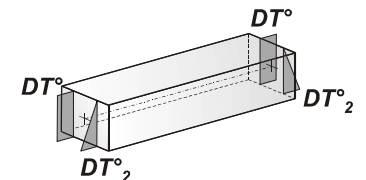
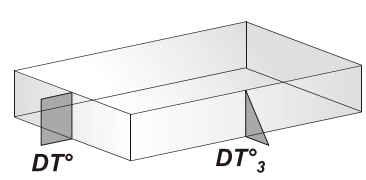
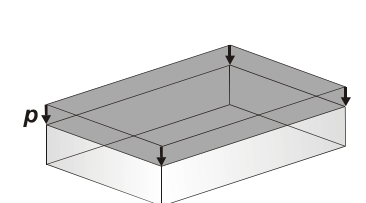
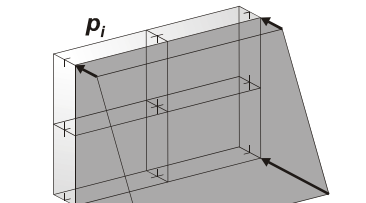
16\_MOD\_NUMERAZIONE\_D3

# MODELLAZIONE DELLE AZIONI

## LEGENDA TABELLA DATI AZIONI

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

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

 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

**Tipo** carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
12	Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00	0.0	0.0	16.00	0.0	0.0	0.0	0.0
		0.0	0.0	16.00	0.0	0.0	0.0	0.0
13	Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60	0.0	0.0	9.60	0.0	0.0	0.0	0.0
		0.0	0.0	9.60	0.0	0.0	0.0	0.0
14	Vento-DG:Fxi=-5.60 Fxf=-5.60	0.0	-5.60	0.0	0.0	0.0	0.0	0.0
		0.0	-5.60	0.0	0.0	0.0	0.0	0.0

**Tipo** carico concentrato globale su trave

Id	Tipo	Pos.	Fx	Fy	Fz	Mx	My	Mz
		m	kN	kN	kN	kN m	kN m	kN m
11	Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04	1.00	100.00	0.0	0.0	0.0	0.0	0.0

**Tipo carico di pressione uniforme su piastra**

Id	Tipo	pressione
		kN/ m2
1	P3:p=-6.200e-02	-6.20
4	Corsia 1-P3:p=-9.000e-02	-9.00
5	Corsia 2-P3:p=-2.500e-02	-2.50

**Tipo gruppo di carichi con impronta su piastra**

Id	Tipo	Ripet. X	Ripet. Y	Carico FZ	Centro X	Centro Y	dim. X	dim. Y	Passo X	Passo Y
				kN	m	m	m	m	m	m
6	Impronte 300 KN-CGI:n. 4 FZ=-150.00	2	2	-150.00	-1.00	-0.60	0.40	0.40	2.00	1.20
7	Impronte 200 KN-CGI:n. 4 FZ=-100.00	2	2	-100.00	-4.00	-0.60	0.40	0.40	2.00	1.20
8	Impronte Taglio 300 KN-CGI:n. 4 FZ=-150.00	2	2	-150.00	-1.00	-6.50	0.40	0.40	2.00	1.20
9	Impronte Taglio 200 KN-CGI:n. 4 FZ=-100.00	2	2	-100.00	-4.00	-6.50	0.40	0.40	2.00	1.20
10	Impronte urto-CGI:n. 2 FZ=-200.00	2	1	-200.00	-0.30	-0.72	0.60	0.35	2.00	0.0

# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

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

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

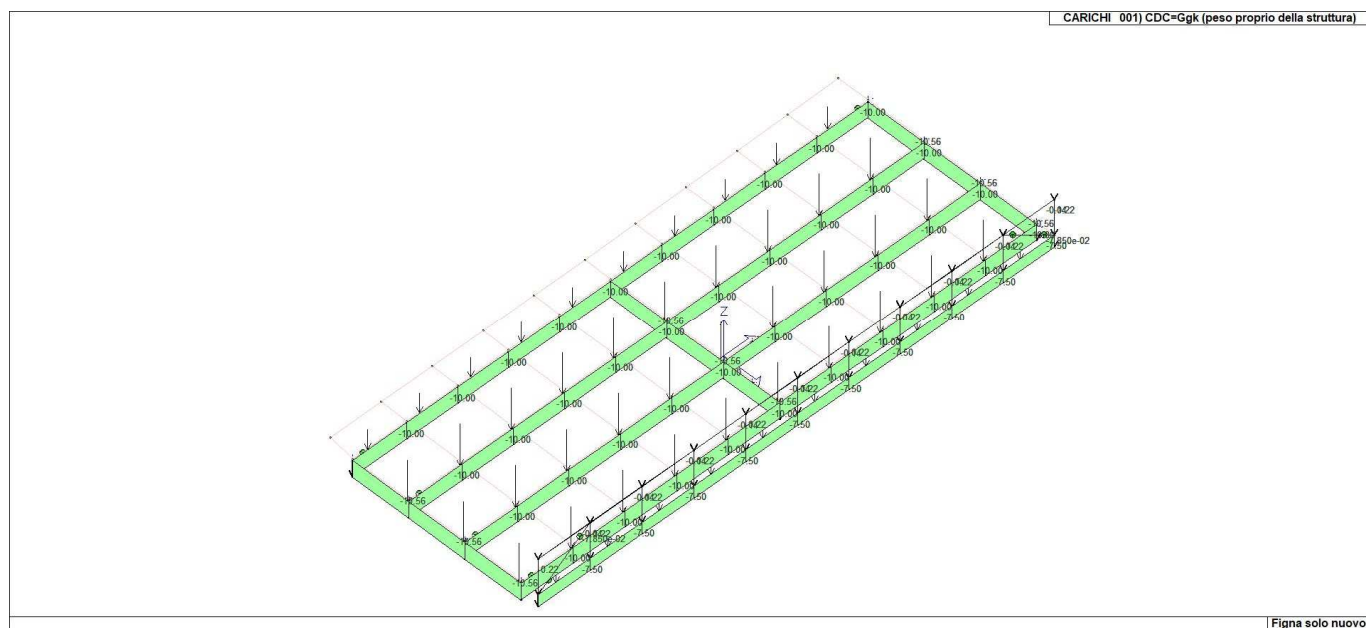
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione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

<b>CDC</b>	<b>Tipo</b>	<b>Sigla Id</b>	<b>Note</b>
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	Massetto e manto	Azioni applicate: D3 :da 1 a 50 Azione : P3:p=-6.200e-02
3	Qk	Corsie	Azioni applicate: D3 : 6 Azione : Corsia 2-P3:p=-2.500e-02 D3 :da 7 a 10 Azione : Corsia 1-P3:p=-9.000e-02 D3 : 11 Azione : Corsia 2-P3:p=-2.500e-02

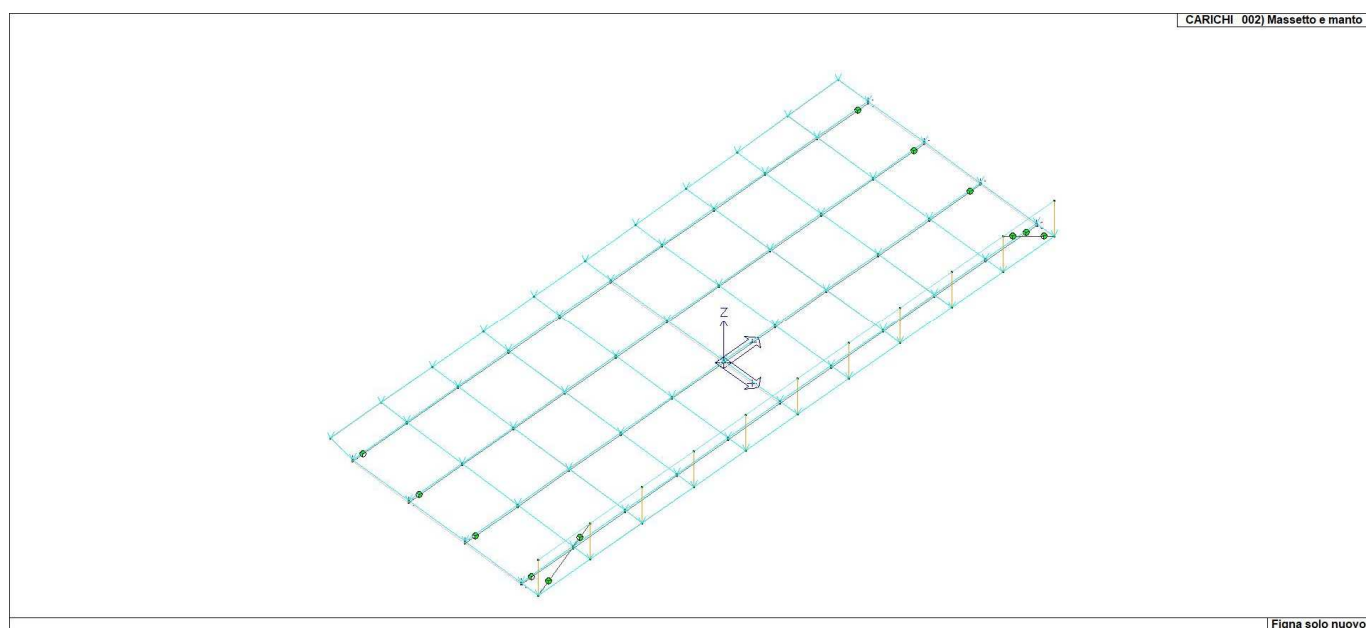
CDC	Tipo	Sigla Id	Note
			D3 :da 12 a 15 Azione : Corsia 1-P3:p=-9.000e-02
			D3 :da 16 a 20 Azione : Corsia 2-P3:p=-2.500e-02
			D3 :da 21 a 22 Azione : Corsia 1-P3:p=-9.000e-02
			D3 :da 23 a 30 Azione : Corsia 2-P3:p=-2.500e-02
			D3 :da 36 a 45 Azione : Corsia 1-P3:p=-9.000e-02
			D3 :da 46 a 50 Azione : Corsia 2-P3:p=-2.500e-02
4	Qk	Impronte Momento	Azioni applicate:
			D3 :da 6 a 8 Azione : Impronte 200 KN-CGI:n. 4 FZ=-100.00
			D3 :da 9 a 10 Azione : Impronte 300 KN-CGI:n. 4 FZ=-150.00
			D3 :da 11 a 30 Azione : Impronte 200 KN-CGI:n. 4 FZ=-100.00
			D3 :da 36 a 45 Azione : Impronte 300 KN-CGI:n. 4 FZ=-150.00
			D3 :da 46 a 50 Azione : Impronte 200 KN-CGI:n. 4 FZ=-100.00
5	Qk	Impronte Taglio	Azioni applicate:
			D3 :da 7 a 8 Azione : Impronte Taglio 300 KN-CGI:n. 4 FZ=-150.00
			D3 :da 12 a 13 Azione : Impronte Taglio 300 KN-CGI:n. 4 FZ=-150.00
			D3 :da 16 a 17 Azione : Impronte Taglio 200 KN-CGI:n. 4 FZ=-100.00
			D3 :da 21 a 22 Azione : Impronte Taglio 300 KN-CGI:n. 4 FZ=-150.00
			D3 :da 23 a 24 Azione : Impronte Taglio 200 KN-CGI:n. 4 FZ=-100.00
6	Qk	Frenamento	Azioni applicate:
			D2 : 2 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 :da 6 a 8 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 :da 11 a 15 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 : 28 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 :da 34 a 36 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 :da 38 a 42 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 : 45 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 :da 48 a 50 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 :da 67 a 70 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 : 75 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 : 76 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D2 : 77 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 : 90 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 :da 94 a 100 Azione : Frenamento Corsia 2-DG:Fyi=9.60 Fyf=9.60
			D2 :da 102 a 104 Azione : Frenamento Corsia 1-DG:Fyi=16.00 Fyf=16.00
			D3 : 4 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 9 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 31 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 36 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 41 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
7	Qk	Urto 1	Azioni applicate:
			D2 : 29 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
			D2 :da 106 a 107 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
			D2 : 114 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
			D3 : 5 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 10 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
			D3 : 15 Azione : Impronte urto-CGI:n. 2 FZ=-200.00
8	Qk	Urto 2	Azioni applicate:
			D2 : 9 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
			D2 :da 111 a 113 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
9	Qk	Urto 3	Azioni applicate:
			D2 :da 108 a 110 Azione : Urto parapetto-CG:pos. =100.00 Fx= 1.000e+04
10	Qk	Vento	Azioni applicate:
			D2 : 1 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
			D2 :da 3 a 5 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
			D2 :da 43 a 44 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
			D2 :da 46 a 47 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
			D2 : 101 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
			D2 : 105 Azione : Vento-DG:Fxi=-5.60 Fxf=-5.60
11	Qk	Termico positivo	Azioni applicate:
12	Qk	Termico negativo	Azioni applicate:
13	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 Massetto e manto
			partecipazione:0.80 per 3 Corsie
			partecipazione:0.80 per 4 Impronte Momento
			partecipazione:0.80 per 5 Impronte Taglio
			partecipazione:0.80 per 6 Frenamento
			partecipazione:0.80 per 7 Urto 1
			partecipazione:0.80 per 8 Urto 2
			partecipazione:0.80 per 9 Urto 3
			partecipazione:0.80 per 10 Vento
			partecipazione:0.80 per 11 Termico positivo
			partecipazione:0.80 per 12 Termico negativo
14	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico



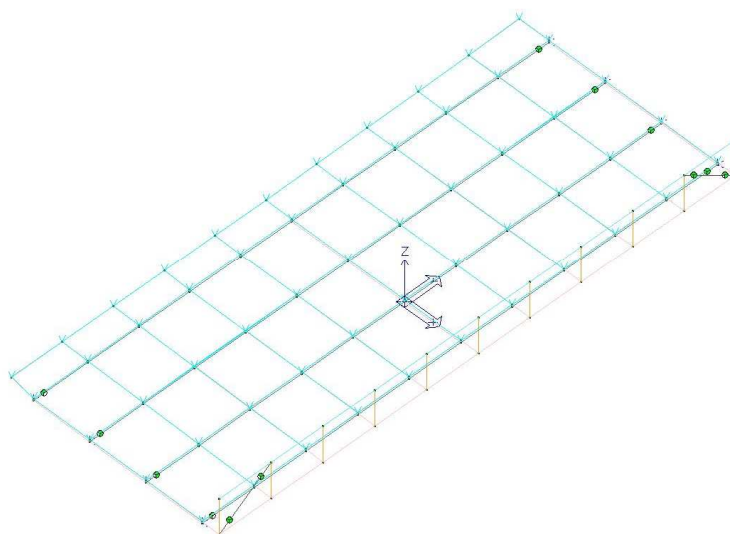
CDC	Tipo	Sigla Id	Note
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17	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico



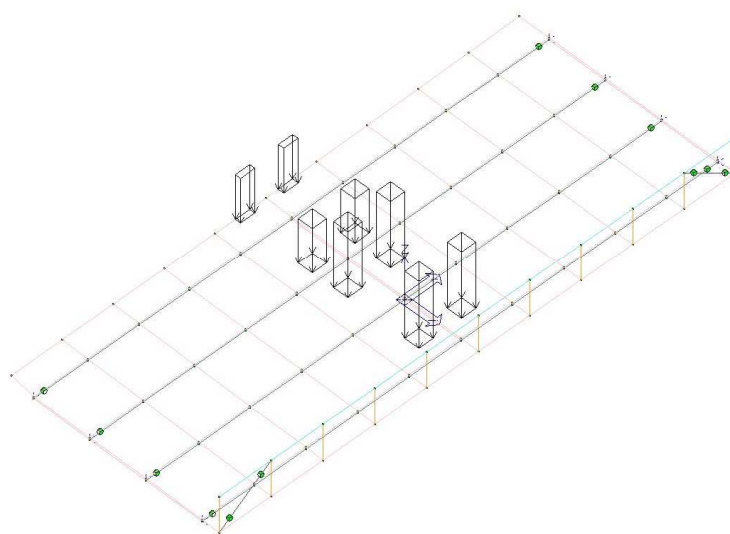
22\_CDC\_001\_CDC=Ggk (peso proprio della struttura)



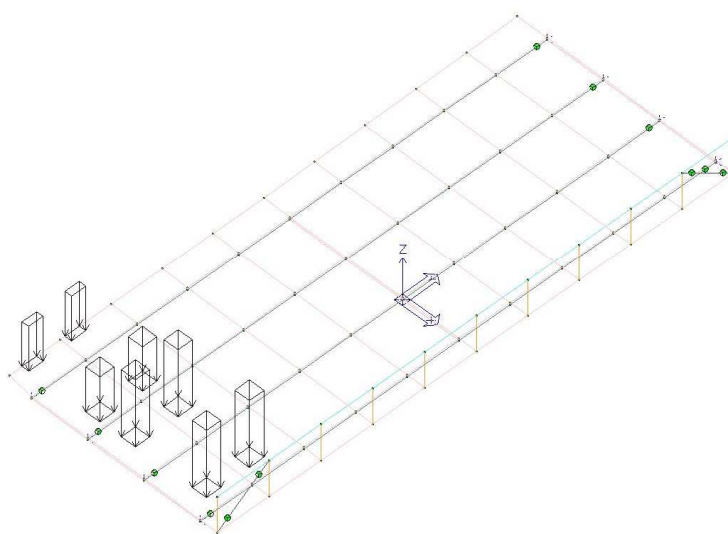
22\_CDC\_002\_Massetto e manto



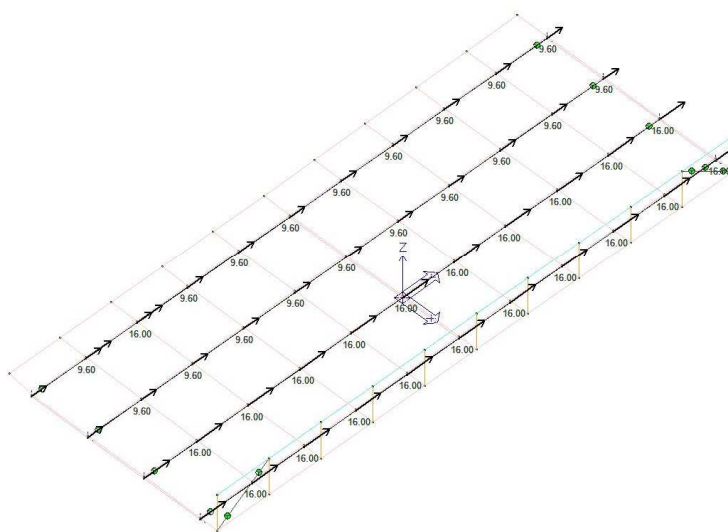
22\_CDC\_003\_Corsie



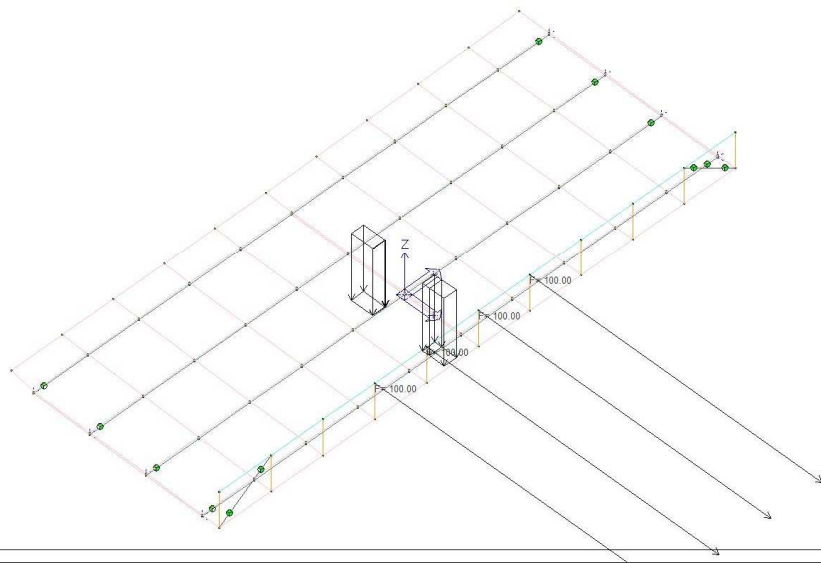
22\_CDC\_004\_Impronte Momento



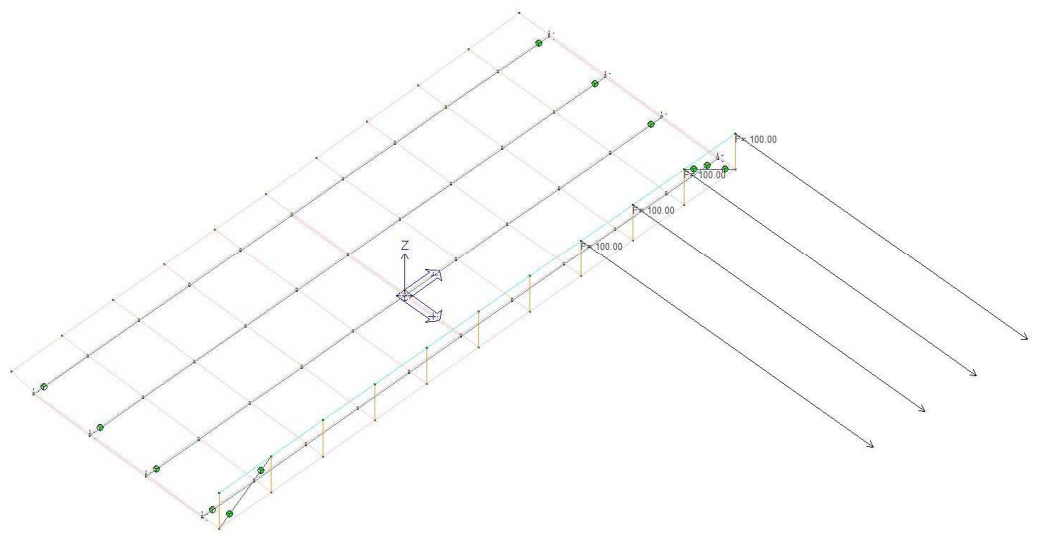
22\_CDC\_005\_Impronte Taglio



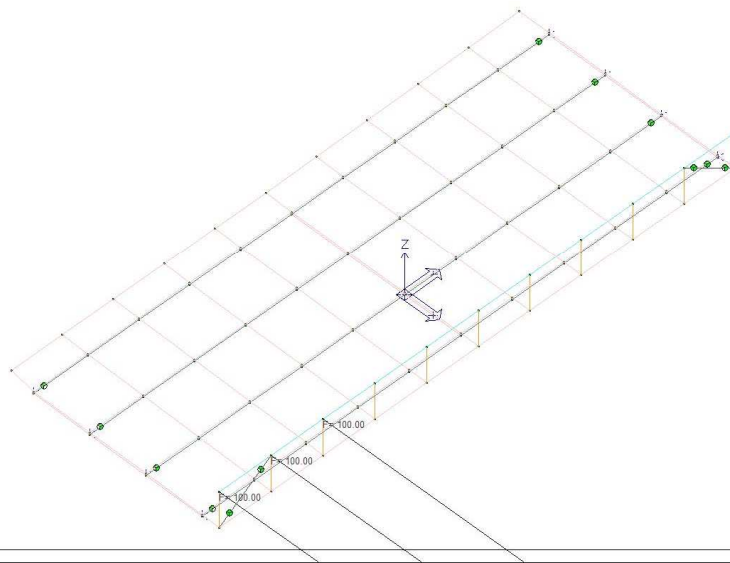
22\_CDC\_006\_Frenamento



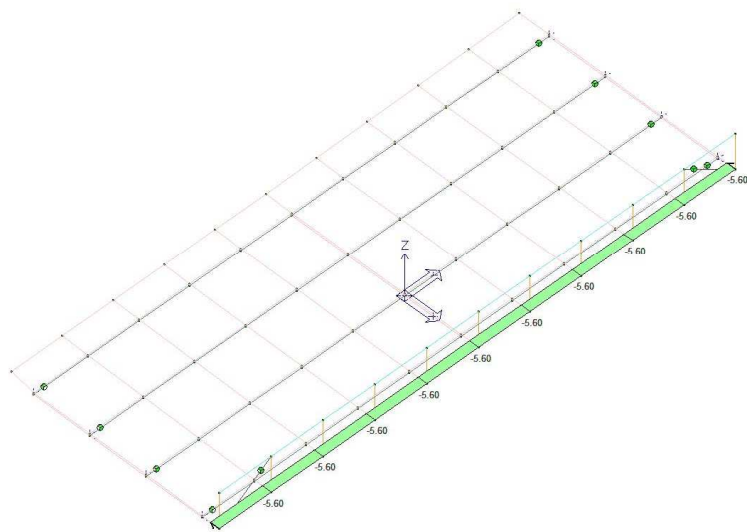
22\_CDC\_007\_Urto 1



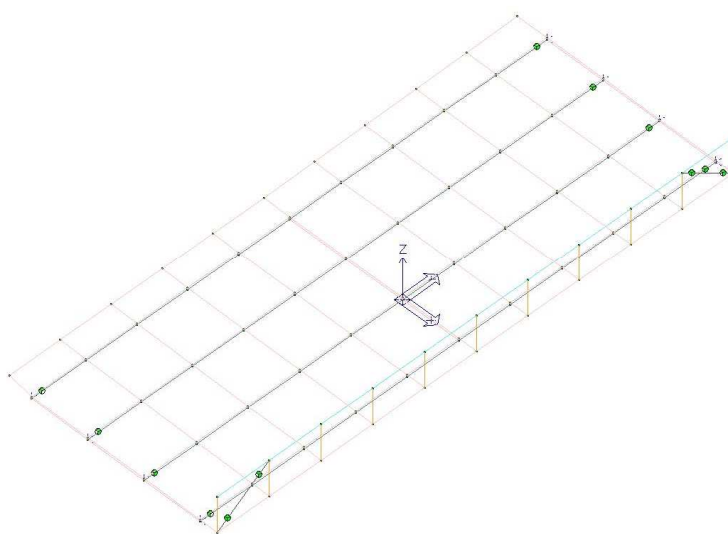
22\_CDC\_008\_Urto 2



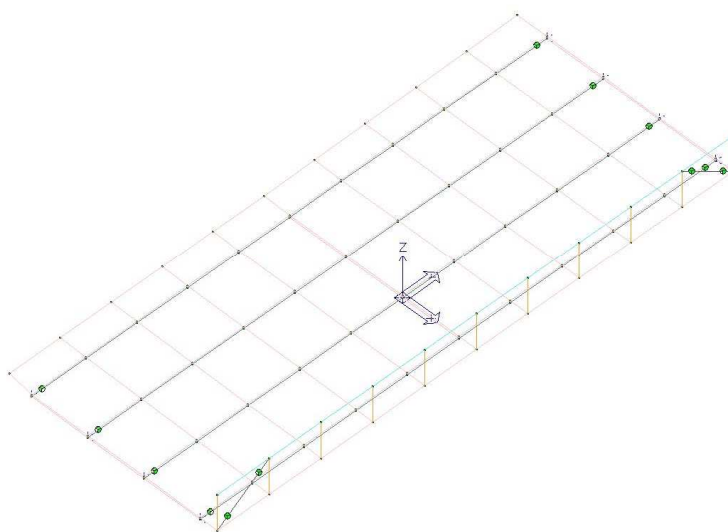
22\_CDC\_009\_Urto 3



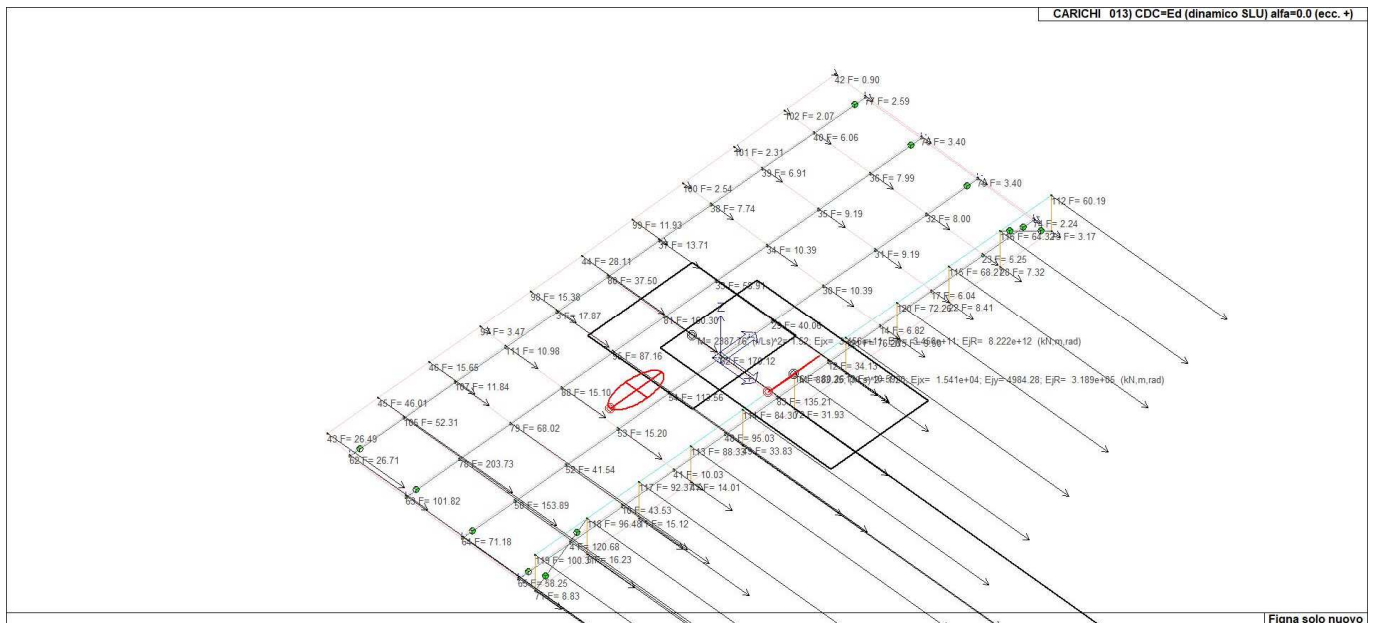
22\_CDC\_010\_Vento



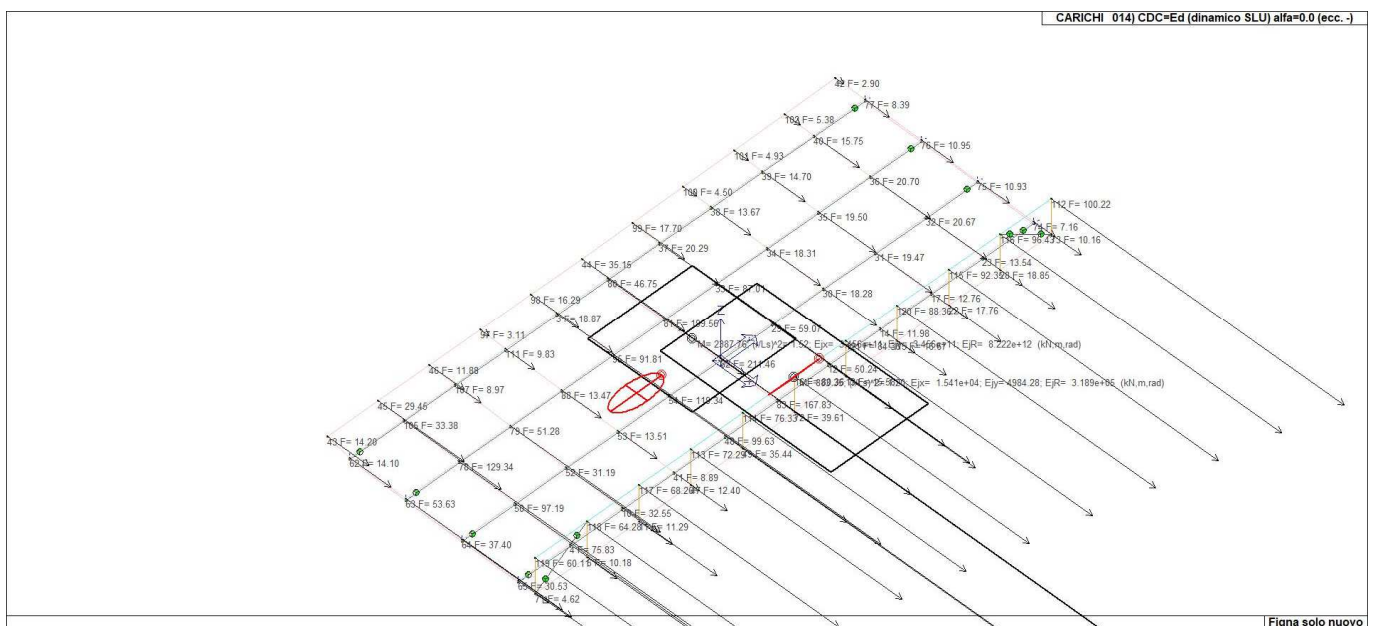
22\_CDC\_011\_Termico positivo



22\_CDC\_012\_Termico negativo

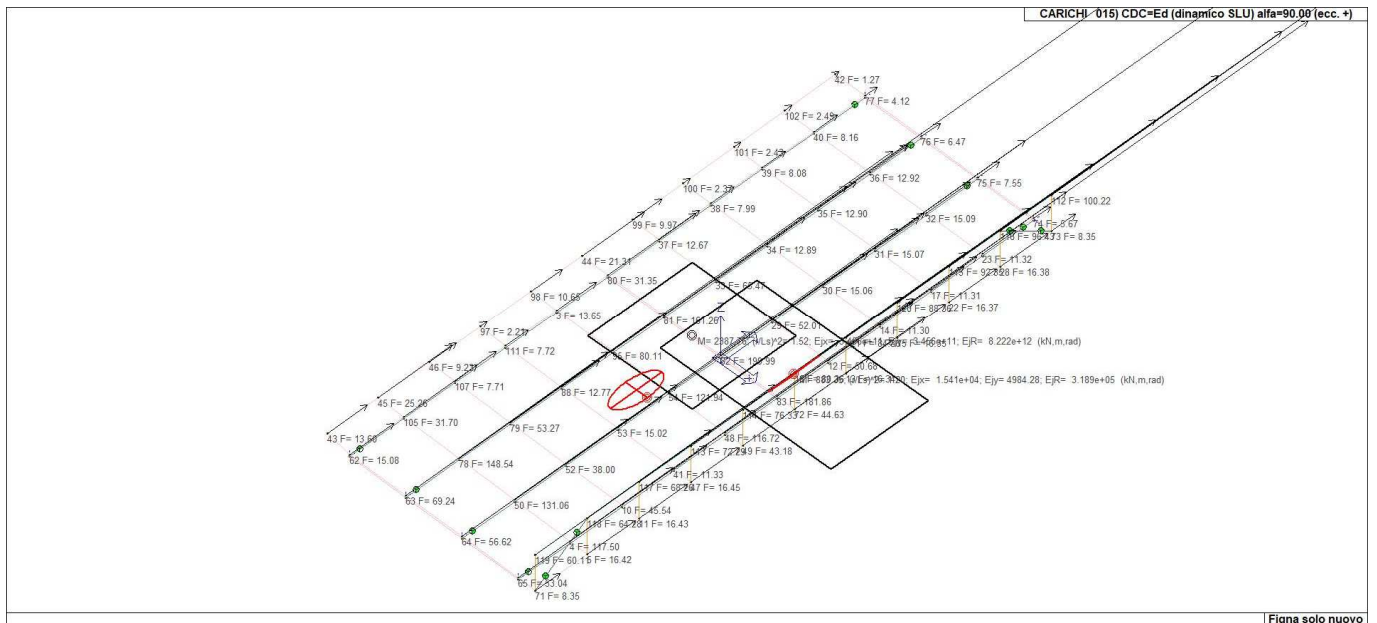


22\_CDC\_013\_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

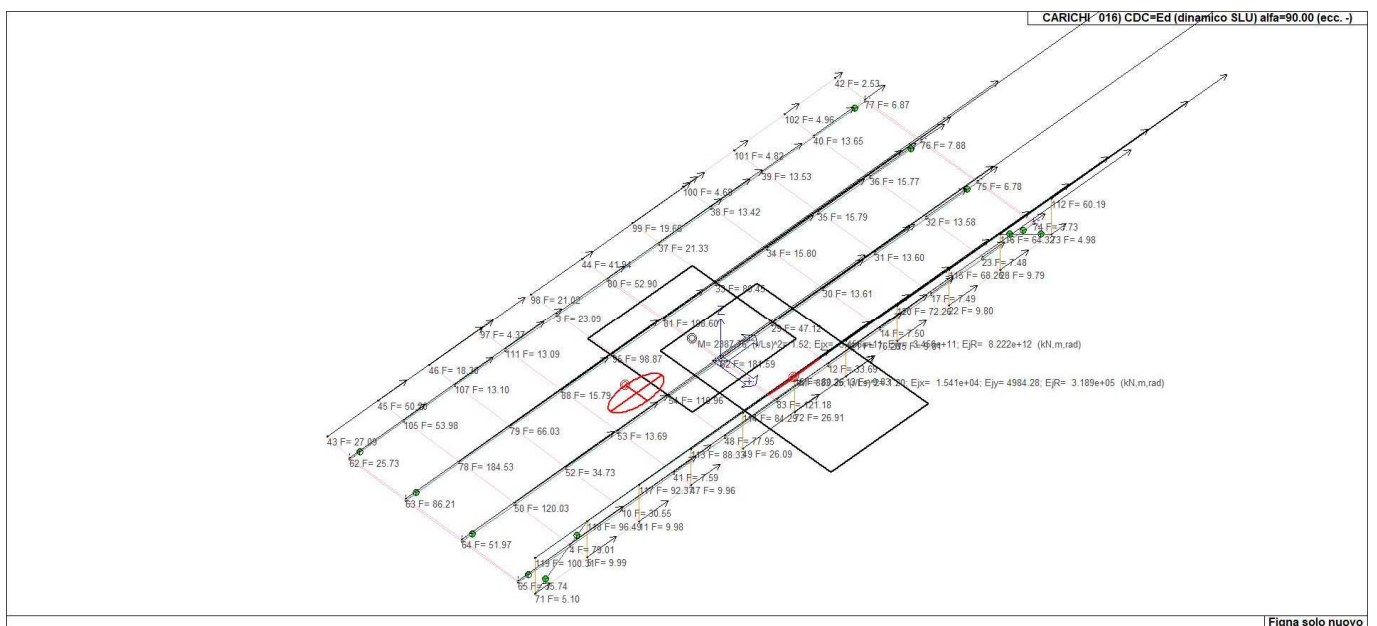


22\_CDC\_014\_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)



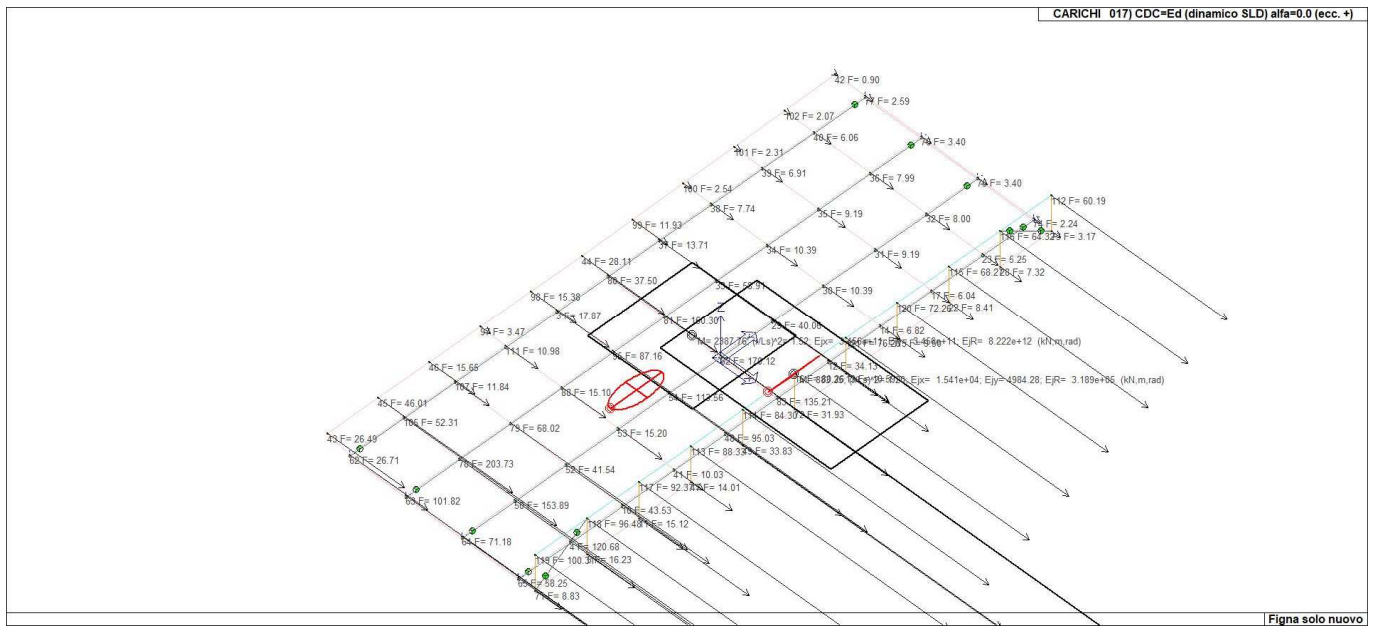


22\_CDC\_015\_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

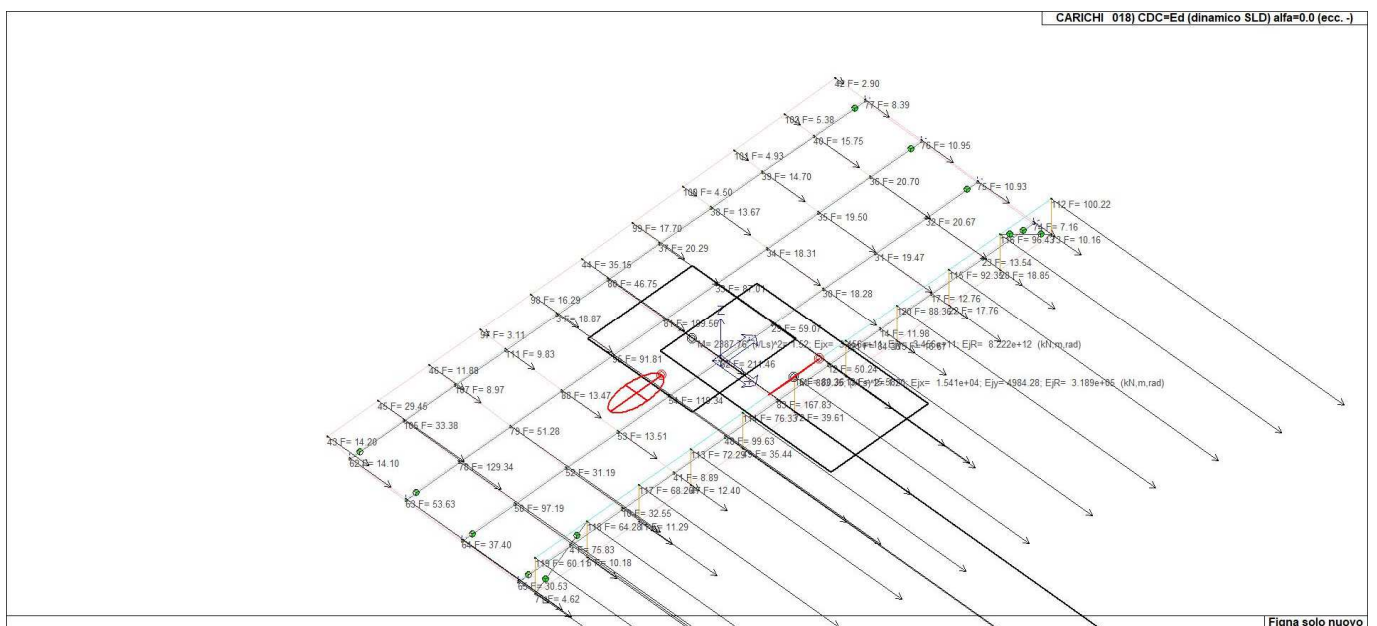


22\_CDC\_016\_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)

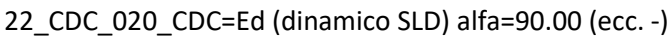
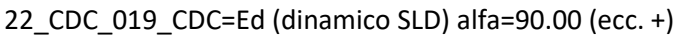




22\_CDC\_017\_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



22\_CDC\_018\_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)



# DEFINIZIONE DELLE COMBINAZIONI

## LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

### Combinazione fondamentale SLU

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

### Combinazione caratteristica (rara) SLE

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

### Combinazione frequente SLE

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

### Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi_0$	$\psi_1$	$\psi_2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30\text{kN}$ )	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30\text{kN}$ )	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000\text{ m}$	0,50	0,20	0,00
Neve a quota $> 1000\text{ m}$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

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

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

NTC 2018 Tabella 2.6.I

	Coefficiente	<b>EQU</b>	<b>A1</b>	<b>A2</b>
	$\gamma_f$			

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

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 5	
5	SLU	Comb. SLU A1 6	
6	SLU	Comb. SLU A1 7	
7	SLU	Comb. SLU A1 9	
8	SLU	Comb. SLU A1 10	
9	SLU	Comb. SLU A1 11	
10	SLU	Comb. SLU A1 13	
11	SLU	Comb. SLU A1 14	
12	SLU	Comb. SLU A1 15	
13	SLU	SLU Mmax + Frenamento	
14	SLU	SLU Tmax + Frenamento	
15	SLU	Urto Pos 1	
16	SLU	Urto Pos 2	
17	SLU	Urto Pos 3	
18	SLE(r)	SLE RARE MOMENTO	
19	SLE(f)	SLE FREQ MOMENTO	
20	SLE(p)	SLE QP MOMENTO	
21	SLE(r)	SLE RARE TAGLIO	
22	SLE(f)	SLE FREQ TAGLIO	
23	SLE(p)	SLE QP TAGLIO	
24	SLU	SLU MOMENTO + VENTO	
25	SLU	SLU TAGLIO + VENTO	
26	SLU	SLU + Termiche positive	
27	SLE(r)	SLE Rare + Termiche positive	
28	T.AMM.	SLU + Termiche negative	
29	T.AMM.	SLE rare + Termiche negative	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLU	Comb. SLU A1 (SLV sism.) 47	
48	SLU	Comb. SLU A1 (SLV sism.) 48	
49	SLU	Comb. SLU A1 (SLV sism.) 49	
50	SLU	Comb. SLU A1 (SLV sism.) 50	
51	SLU	Comb. SLU A1 (SLV sism.) 51	
52	SLU	Comb. SLU A1 (SLV sism.) 52	
53	SLU	Comb. SLU A1 (SLV sism.) 53	
54	SLU	Comb. SLU A1 (SLV sism.) 54	
55	SLU	Comb. SLU A1 (SLV sism.) 55	
56	SLU	Comb. SLU A1 (SLV sism.) 56	
57	SLU	Comb. SLU A1 (SLV sism.) 57	
58	SLU	Comb. SLU A1 (SLV sism.) 58	

Cmb	Tipo	Sigla Id	effetto P-delta
59	SLU	Comb. SLU A1 (SLV sism.) 59	
60	SLU	Comb. SLU A1 (SLV sism.) 60	
61	SLU	Comb. SLU A1 (SLV sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80	
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81	
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82	
83	SLD(sis)	Comb. SLE (SLD Danno sism.) 83	
84	SLD(sis)	Comb. SLE (SLD Danno sism.) 84	
85	SLD(sis)	Comb. SLE (SLD Danno sism.) 85	
86	SLD(sis)	Comb. SLE (SLD Danno sism.) 86	
87	SLD(sis)	Comb. SLE (SLD Danno sism.) 87	
88	SLD(sis)	Comb. SLE (SLD Danno sism.) 88	
89	SLD(sis)	Comb. SLE (SLD Danno sism.) 89	
90	SLD(sis)	Comb. SLE (SLD Danno sism.) 90	
91	SLD(sis)	Comb. SLE (SLD Danno sism.) 91	
92	SLD(sis)	Comb. SLE (SLD Danno sism.) 92	
93	SLD(sis)	Comb. SLE (SLD Danno sism.) 93	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.35	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
2	1.35	1.35	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
3	1.35	1.35	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
4	1.35	1.35	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
5	1.35	1.35	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
6	1.35	1.35	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
7	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
8	1.00	1.00	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
9	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
10	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
11	1.00	1.00	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
12	1.00	1.00	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
13	1.35	1.35	1.50	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
14	1.35	1.35	1.50	0.0	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
15	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
16	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								

[illegible]



Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
90	1.00	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	-1.00								
91	1.00	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	1.00								
92	1.00	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	-1.00								
93	1.00	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	1.00								



# AZIONE SISMICA

## VALUTAZIONE DELL' AZIONE SISMICA

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

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

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

ag: accelerazione orizzontale massima del terreno;

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

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

Parametri della struttura					
Classe d'uso	Vita $V_n$ [anni]	Coeff. Uso	Periodo $V_r$ [anni]	Tipo di suolo	Categoria topografica
IV	50.0	1.0	50.0	D	T4

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	10.352	46.002	
10057	10.329	45.994	1.980
10058	10.401	45.996	3.831
9836	10.398	46.046	6.026
9835	10.326	46.044	5.067

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.028	2.498	0.194
SLD	63.0	50.0	0.034	2.563	0.210
SLV	10.0	475.0	0.069	2.637	0.296
SLC	5.0	975.0	0.086	2.659	0.313

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.028	2.520	2.498	0.561	0.184	0.551	1.711
SLD	0.034	2.520	2.563	0.635	0.191	0.573	1.735
SLV	0.069	2.520	2.637	0.936	0.227	0.680	1.876
SLC	0.086	2.520	2.659	1.052	0.233	0.699	1.944

# RISULTATI ANALISI SISMICHE

## LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente
- 10. Edk** caso di carico sismico con analisi dinamica

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

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

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

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

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

- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione  $\epsilon_T$  (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità  $1000 \cdot \epsilon_T/h$  da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

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

Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.

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

<b>Nodo</b>	Nodo di appoggio dell' isolatore
<b>Cmb</b>	Combinazione oggetto della verifica
<b>Verif.</b>	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
<b>dE</b>	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
<b>Ang fi</b>	Angolo utilizzato per il calcolo dell' area ridotta $A_r$ (per dispositivi circolari)
<b>V</b>	Azione verticale agente
<b>Ar</b>	Area ridotta efficace
<b>Dim A2</b>	Dimensione utile per il calcolo della deformazione per rotazione
<b>Sig s</b>	Tensione nell' inserto in acciaio
<b>Gam c(a,s,t)</b>	Deformazioni di taglio dell' elastomero
<b>Vcr</b>	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

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

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

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

**Parametri fattore in direzione x e y**

Sistema costruttivo: prefabbricato  
 Tipologia strutturale: altre tipologie  
 Valore base fattore  $q_0 = 1.500$   
 Fattore di regolarità  $K_R = 1.0$   
 Fattore dissipativo  $q_D = q_0 \cdot K_R = 1.500$

**Fattori di comportamento utilizzati**

Dissipativi  
 q SLU x 1.500  
 q SLU y 1.500  
 q SLU z 1.500

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: D
			fattore di sito $S = 2.520$
			ordinata spettro (tratto $T_b-T_c$ ) = 0.306 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio $T_1$ : 0.680 sec.
			fattore q: 1.500
			fattore per spost. $\mu_d$ : 1.500
			classe di duttilità CD: B
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	0.0	-0.72	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.0	-0.72	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.471	0.680	0.306	2778.49	84.9	321.44	9.8	0.10	2.99e-03	0.0	0.0
2	1.591	0.629	0.306	351.15	10.7	2906.17	88.8	0.02	5.94e-04	0.0	0.0
3	2.586	0.387	0.306	104.00	3.2	38.08	1.2	0.72	2.21e-02	0.0	0.0
4	3.612	0.277	0.306	0.63	1.91e-02	1.09	3.32e-02	2.19	6.71e-02	0.0	0.0
Risulta				3234.26		3266.77		3.03			
In percentuale				98.87		99.87		0.09			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: D
			fattore di sito $S = 2.520$
			ordinata spettro (tratto $T_b-T_c$ ) = 0.306 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio $T_1$ : 0.647 sec.
			fattore q: 1.500
			fattore per spost. $\mu_d$ : 1.525
			classe di duttilità CD: B
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	0.0	0.72	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.0	0.72	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.545	0.647	0.306	2921.94	89.3	305.45	9.3	0.14	4.40e-03	0.0	0.0
2	1.579	0.633	0.306	313.00	9.6	2902.06	88.7	0.02	5.59e-04	0.0	0.0
3	2.426	0.412	0.306	0.19	5.70e-03	58.00	1.8	0.20	6.25e-03	0.0	0.0
4	3.620	0.276	0.306	0.48	1.46e-02	0.38	1.15e-02	18.77	0.6	0.0	0.0
Risulta				3235.60		3265.89		19.14			
In percentuale				98.91		99.84		0.59			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.306 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.632 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.538
			classe di duttilità CD: B
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	5.69e-03	0.0	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.31	0.0	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.510	0.662	0.306	2476.87	75.7	678.31	20.7	0.09	2.69e-03	0.0	0.0
2	1.582	0.632	0.306	722.46	22.1	2517.52	77.0	0.06	1.85e-03	0.0	0.0
3	2.499	0.400	0.306	34.32	1.0	69.11	2.1	0.44	1.35e-02	0.0	0.0
4	3.721	0.269	0.306	0.35	1.08e-02	2.69e-03	8.23e-05	26.54	0.8	0.0	0.0
Risulta				3234.00		3264.95		27.13			
In percentuale				98.87		99.81		0.83			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.306 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.629 sec.

CDC	Tipo	Sigla Id	Note
			fattore q: 1.500
			fattore per spost. $\mu$ d: 1.541
			classe di duttilità CD: B
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	-5.69e-03	0.0	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	-0.31	0.0	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.519	0.659	0.306	2908.85	88.9	262.51	8.0	0.14	4.16e-03	0.0	0.0
2	1.591	0.629	0.306	282.35	8.6	2969.06	90.8	5.87e-03	1.79e-04	0.0	0.0
3	2.448	0.408	0.306	42.23	1.3	35.51	1.1	0.33	9.96e-03	0.0	0.0
4	3.721	0.269	0.306	0.35	1.08e-02	4.88e-05	1.49e-06	26.49	0.8	0.0	0.0
Risulta				3233.78		3267.08		26.96			
In percentuale				98.86		99.88		0.82			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.218 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.680 sec.
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	0.0	-0.72	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.0	-0.72	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.471	0.680	0.183	2778.49	84.9	321.44	9.8	0.10	2.99e-03	0.0	0.0
2	1.591	0.629	0.198	351.15	10.7	2906.17	88.8	0.02	5.94e-04	0.0	0.0
3	2.586	0.387	0.218	104.00	3.2	38.08	1.2	0.72	2.21e-02	0.0	0.0
4	3.612	0.277	0.218	0.63	1.91e-02	1.09	3.32e-02	2.19	6.71e-02	0.0	0.0
Risulta				3234.26		3266.77		3.03			
In percentuale				98.87		99.87		0.09			



CDC	Tipo	Sigla Id	Note
18	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.218 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.647 sec.
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	0.0	0.72	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.0	0.72	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.545	0.647	0.193	2921.94	89.3	305.45	9.3	0.14	4.40e-03	0.0	0.0
2	1.579	0.633	0.197	313.00	9.6	2902.06	88.7	0.02	5.59e-04	0.0	0.0
3	2.426	0.412	0.218	0.19	5.70e-03	58.00	1.8	0.20	6.25e-03	0.0	0.0
4	3.620	0.276	0.218	0.48	1.46e-02	0.38	1.15e-02	18.77	0.6	0.0	0.0
Risulta				3235.60		3265.89		19.14			
In percentuale				98.91		99.84		0.59			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.218 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.632 sec.
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	5.69e-03	0.0	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	0.31	0.0	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.510	0.662	0.188	2476.87	75.7	678.31	20.7	0.09	2.69e-03	0.0	0.0
2	1.582	0.632	0.197	722.46	22.1	2517.52	77.0	0.06	1.85e-03	0.0	0.0
3	2.499	0.400	0.218	34.32	1.0	69.11	2.1	0.44	1.35e-02	0.0	0.0
4	3.721	0.269	0.218	0.35	1.08e-02	2.69e-03	8.23e-05	26.54	0.8	0.0	0.0
Risulta				3234.00		3264.95		27.13			
In percentuale				98.87		99.81		0.83			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 2.520
			ordinata spettro (tratto Tb-Tc) = 0.218 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.629 sec.
			numero di modi considerati: 4
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
1.05	883.35	2.10	-0.03	-5.69e-03	0.0	2.10	-0.03	1.200	0.0	9.1069e-06
0.05	2387.76	-0.51	-1.86	-0.31	0.0	-0.80	5.10e-03	1.519	0.060	0.383
Risulta	3271.11									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.519	0.659	0.189	2908.85	88.9	262.51	8.0	0.14	4.16e-03	0.0	0.0
2	1.591	0.629	0.198	282.35	8.6	2969.06	90.8	5.87e-03	1.79e-04	0.0	0.0
3	2.448	0.408	0.218	42.23	1.3	35.51	1.1	0.33	9.96e-03	0.0	0.0
4	3.721	0.269	0.218	0.35	1.08e-02	4.88e-05	1.49e-06	26.49	0.8	0.0	0.0
Risulta				3233.78		3267.08		26.96			
In percentuale				98.86		99.88		0.82			

Cmb	Pilas. 1000	etaT/h	etaT	inter. h	Pilas. 1000	etaT/h	etaT	inter. h	Pilas. 1000	etaT/h	etaT	inter. h
			mm	cm			mm	cm			mm	cm
62	9	22.94	22.94	100.0	17	3.12	0.16	5.0	18	3.25	0.16	5.0
	19	3.46	0.17	5.0	20	3.81	0.19	5.0	24	3.58	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.15	5.0
	29	22.08	22.08	100.0	30	1.43	0.07	5.0	31	1.22	0.06	5.0
	32	1.07	0.05	5.0	33	1.01	0.05	5.0	51	3.99	0.20	5.0
	52	2.89	0.14	5.0	53	3.55	0.18	5.0	54	2.13	0.11	5.0
	55	1.46	0.07	5.0	56	2.16	0.11	5.0	57	2.79	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.93	0.10	5.0	62	1.34	0.07	5.0	63	1.14	0.06	5.0
	64	1.68	0.08	5.0	65	2.23	0.11	5.0	66	2.65	0.13	5.0
	71	2.16	0.11	5.0	72	2.88	0.14	5.0	73	3.46	0.17	5.0
	74	3.81	0.19	5.0	78	2.59	0.13	5.0	79	2.88	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.52	0.13	5.0
	83	2.24	0.11	5.0	84	1.73	0.09	5.0	85	2.00	0.10	5.0
	86	2.23	0.11	5.0	87	1.56	0.08	5.0	88	1.41	0.07	5.0
	89	1.19	0.06	5.0	106	26.52	26.52	100.0	107	26.00	26.00	100.0
	108	27.05	27.05	100.0	109	27.66	27.66	100.0	110	28.35	28.35	100.0
	111	23.83	23.83	100.0	112	23.38	23.38	100.0	113	23.06	23.06	100.0
	114	24.31	24.31	100.0								
63	9	24.26	24.26	100.0	17	3.11	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.79	0.19	5.0	24	3.61	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.14	5.0
	29	28.25	28.25	100.0	30	1.39	0.07	5.0	31	1.24	0.06	5.0
	32	1.09	0.05	5.0	33	1.03	0.05	5.0	51	3.98	0.20	5.0
	52	2.88	0.14	5.0	53	3.54	0.18	5.0	54	2.11	0.11	5.0
	55	1.45	0.07	5.0	56	2.16	0.11	5.0	57	2.79	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.93	0.10	5.0	62	1.33	0.07	5.0	63	1.13	0.06	5.0
	64	1.68	0.08	5.0	65	2.22	0.11	5.0	66	2.64	0.13	5.0
	71	2.19	0.11	5.0	72	2.92	0.15	5.0	73	3.50	0.18	5.0
	74	3.86	0.19	5.0	78	2.58	0.13	5.0	79	2.88	0.14	5.0
	80	3.14	0.16	5.0	81	2.80	0.14	5.0	82	2.52	0.13	5.0

64	83	2.24	0.11	5.0	84	1.74	0.09	5.0	85	2.00	0.10	5.0
	86	2.24	0.11	5.0	87	1.58	0.08	5.0	88	1.43	0.07	5.0
	89	1.20	0.06	5.0	106	25.79	25.79	100.0	107	25.30	25.30	100.0
	108	26.27	26.27	100.0	109	26.82	26.82	100.0	110	27.43	27.43	100.0
	111	24.79	24.79	100.0	112	24.48	24.48	100.0	113	24.28	24.28	100.0
	114	25.13	25.13	100.0								
	9	18.61	18.61	100.0	17	3.14	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.71	0.19	5.0	24	3.54	0.18	5.0
	25	3.26	0.16	5.0	26	3.05	0.15	5.0	27	2.92	0.15	5.0
	29	14.53	14.53	100.0	30	1.10	0.05	5.0	31	0.96	0.05	5.0
	32	0.88	0.04	5.0	33	0.83	0.04	5.0	51	3.76	0.19	5.0
	52	2.55	0.13	5.0	53	3.27	0.16	5.0	54	1.74	0.09	5.0
	55	1.32	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.12	5.0
65	61	1.88	0.09	5.0	62	1.21	0.06	5.0	63	1.04	0.05	5.0
	64	1.64	0.08	5.0	65	2.22	0.11	5.0	66	2.66	0.13	5.0
	71	1.84	0.09	5.0	72	2.63	0.13	5.0	73	3.28	0.16	5.0
	74	3.69	0.18	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.13	0.16	5.0	81	2.76	0.14	5.0	82	2.50	0.12	5.0
	83	2.24	0.11	5.0	84	1.70	0.09	5.0	85	1.94	0.10	5.0
	86	2.17	0.11	5.0	87	1.44	0.07	5.0	88	1.29	0.06	5.0
	89	1.10	0.06	5.0	106	16.96	16.96	100.0	107	17.49	17.49	100.0
	108	16.40	16.40	100.0	109	15.91	15.91	100.0	110	15.54	15.54	100.0
	111	17.91	17.91	100.0	112	18.14	18.14	100.0	113	18.37	18.37	100.0
	114	17.62	17.62	100.0								
	9	19.95	19.95	100.0	17	3.13	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.70	0.18	5.0	24	3.57	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.92	0.15	5.0
66	29	20.72	20.72	100.0	30	1.06	0.05	5.0	31	0.98	0.05	5.0
	32	0.90	0.04	5.0	33	0.85	0.04	5.0	51	3.75	0.19	5.0
	52	2.54	0.13	5.0	53	3.26	0.16	5.0	54	1.72	0.09	5.0
	55	1.31	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.12	5.0
	61	1.87	0.09	5.0	62	1.20	0.06	5.0	63	1.03	0.05	5.0
	64	1.64	0.08	5.0	65	2.22	0.11	5.0	66	2.66	0.13	5.0
	71	1.87	0.09	5.0	72	2.67	0.13	5.0	73	3.32	0.17	5.0
	74	3.73	0.19	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
	83	2.24	0.11	5.0	84	1.70	0.09	5.0	85	1.95	0.10	5.0
	86	2.18	0.11	5.0	87	1.45	0.07	5.0	88	1.30	0.07	5.0
	89	1.11	0.06	5.0	106	16.24	16.24	100.0	107	16.80	16.80	100.0
	108	15.61	15.61	100.0	109	15.05	15.05	100.0	110	14.61	14.61	100.0
67	111	18.90	18.90	100.0	112	19.26	19.26	100.0	113	19.61	19.61	100.0
	114	18.47	18.47	100.0								
	9	23.12	23.12	100.0	17	3.12	0.16	5.0	18	3.25	0.16	5.0
	19	3.46	0.17	5.0	20	3.81	0.19	5.0	24	3.58	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.15	5.0
	29	23.07	23.07	100.0	30	1.42	0.07	5.0	31	1.22	0.06	5.0
	32	1.08	0.05	5.0	33	1.01	0.05	5.0	51	4.00	0.20	5.0
	52	2.89	0.14	5.0	53	3.55	0.18	5.0	54	2.13	0.11	5.0
	55	1.46	0.07	5.0	56	2.16	0.11	5.0	57	2.80	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.93	0.10	5.0	62	1.34	0.07	5.0	63	1.14	0.06	5.0
	64	1.68	0.08	5.0	65	2.23	0.11	5.0	66	2.65	0.13	5.0
	71	2.17	0.11	5.0	72	2.89	0.14	5.0	73	3.47	0.17	5.0
	74	3.82	0.19	5.0	78	2.59	0.13	5.0	79	2.88	0.14	5.0
67	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.52	0.13	5.0
	83	2.24	0.11	5.0	84	1.74	0.09	5.0	85	2.00	0.10	5.0
	86	2.24	0.11	5.0	87	1.57	0.08	5.0	88	1.42	0.07	5.0
	89	1.20	0.06	5.0	106	26.40	26.40	100.0	107	25.89	25.89	100.0
	108	26.93	26.93	100.0	109	27.53	27.53	100.0	110	28.20	28.20	100.0
	111	23.97	23.97	100.0	112	23.53	23.53	100.0	113	23.23	23.23	100.0
	114	24.43	24.43	100.0								
	9	24.07	24.07	100.0	17	3.11	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.79	0.19	5.0	24	3.60	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.14	5.0
	29	27.26	27.26	100.0	30	1.40	0.07	5.0	31	1.24	0.06	5.0
	32	1.09	0.05	5.0	33	1.02	0.05	5.0	51	3.97	0.20	5.0
	52	2.88	0.14	5.0	53	3.54	0.18	5.0	54	2.11	0.11	5.0
	55	1.45	0.07	5.0	56	2.16	0.11	5.0	57	2.79	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.93	0.10	5.0	62	1.33	0.07	5.0	63	1.13	0.06	5.0
	64	1.68	0.08	5.0	65	2.22	0.11	5.0	66	2.64	0.13	5.0
	71	2.19	0.11	5.0	72	2.91	0.15	5.0	73	3.50	0.17	5.0
	74	3.85	0.19	5.0	78	2.58	0.13	5.0	79	2.88	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.52	0.13	5.0
	83	2.24	0.11	5.0	84	1.74	0.09	5.0	85	2.00	0.10	5.0

68	86	2.24	0.11	5.0	87	1.58	0.08	5.0	88	1.42	0.07	5.0
	89	1.20	0.06	5.0	106	25.91	25.91	100.0	107	25.41	25.41	100.0
	108	26.39	26.39	100.0	109	26.95	26.95	100.0	110	27.57	27.57	100.0
	111	24.65	24.65	100.0	112	24.32	24.32	100.0	113	24.11	24.11	100.0
	114	25.01	25.01	100.0								
	9	18.80	18.80	100.0	17	3.14	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.72	0.19	5.0	24	3.54	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.92	0.15	5.0
	29	15.52	15.52	100.0	30	1.09	0.05	5.0	31	0.96	0.05	5.0
	32	0.88	0.04	5.0	33	0.84	0.04	5.0	51	3.77	0.19	5.0
	52	2.55	0.13	5.0	53	3.27	0.16	5.0	54	1.74	0.09	5.0
	55	1.31	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.50	0.12	5.0
	61	1.88	0.09	5.0	62	1.21	0.06	5.0	63	1.04	0.05	5.0
69	64	1.64	0.08	5.0	65	2.22	0.11	5.0	66	2.66	0.13	5.0
	71	1.84	0.09	5.0	72	2.64	0.13	5.0	73	3.29	0.16	5.0
	74	3.69	0.18	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
	83	2.24	0.11	5.0	84	1.70	0.09	5.0	85	1.94	0.10	5.0
	86	2.18	0.11	5.0	87	1.44	0.07	5.0	88	1.29	0.06	5.0
	89	1.10	0.06	5.0	106	16.84	16.84	100.0	107	17.38	17.38	100.0
	108	16.28	16.28	100.0	109	15.78	15.78	100.0	110	15.40	15.40	100.0
	111	18.05	18.05	100.0	112	18.29	18.29	100.0	113	18.54	18.54	100.0
	114	17.74	17.74	100.0								
	9	19.76	19.76	100.0	17	3.13	0.16	5.0	18	3.25	0.16	5.0
	19	3.44	0.17	5.0	20	3.69	0.18	5.0	24	3.56	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.92	0.15	5.0
	29	19.74	19.74	100.0	30	1.07	0.05	5.0	31	0.98	0.05	5.0
70	32	0.89	0.04	5.0	33	0.85	0.04	5.0	51	3.74	0.19	5.0
	52	2.55	0.13	5.0	53	3.26	0.16	5.0	54	1.73	0.09	5.0
	55	1.31	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.12	5.0
	61	1.87	0.09	5.0	62	1.20	0.06	5.0	63	1.03	0.05	5.0
	64	1.64	0.08	5.0	65	2.22	0.11	5.0	66	2.66	0.13	5.0
	71	1.86	0.09	5.0	72	2.66	0.13	5.0	73	3.31	0.17	5.0
	74	3.72	0.19	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.13	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
	83	2.24	0.11	5.0	84	1.70	0.09	5.0	85	1.94	0.10	5.0
	86	2.18	0.11	5.0	87	1.45	0.07	5.0	88	1.30	0.06	5.0
	89	1.11	0.06	5.0	106	16.35	16.35	100.0	107	16.91	16.91	100.0
	108	15.74	15.74	100.0	109	15.18	15.18	100.0	110	14.75	14.75	100.0
	111	18.76	18.76	100.0	112	19.11	19.11	100.0	113	19.44	19.44	100.0
	114	18.35	18.35	100.0								
71	9	26.17	26.17	100.0	17	3.11	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.79	0.19	5.0	24	3.58	0.18	5.0
	25	3.26	0.16	5.0	26	3.05	0.15	5.0	27	2.89	0.14	5.0
	29	22.92	22.92	100.0	30	1.46	0.07	5.0	31	1.24	0.06	5.0
	32	1.09	0.05	5.0	33	1.03	0.05	5.0	51	3.96	0.20	5.0
	52	2.89	0.14	5.0	53	3.53	0.18	5.0	54	2.15	0.11	5.0
	55	1.47	0.07	5.0	56	2.16	0.11	5.0	57	2.80	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.94	0.10	5.0	62	1.36	0.07	5.0	63	1.15	0.06	5.0
	64	1.68	0.08	5.0	65	2.22	0.11	5.0	66	2.64	0.13	5.0
	71	2.21	0.11	5.0	72	2.94	0.15	5.0	73	3.51	0.18	5.0
	74	3.85	0.19	5.0	78	2.58	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.52	0.13	5.0
	83	2.23	0.11	5.0	84	1.73	0.09	5.0	85	2.00	0.10	5.0
	86	2.23	0.11	5.0	87	1.57	0.08	5.0	88	1.42	0.07	5.0
71	89	1.20	0.06	5.0	106	25.94	25.94	100.0	107	26.16	26.16	100.0
	108	25.71	25.71	100.0	109	25.55	25.55	100.0	110	25.54	25.54	100.0
	111	25.85	25.85	100.0	112	25.89	25.89	100.0	113	25.98	25.98	100.0
	114	25.77	25.77	100.0								
	9	27.49	27.49	100.0	17	3.10	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.78	0.19	5.0	24	3.62	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.89	0.14	5.0
	29	29.09	29.09	100.0	30	1.43	0.07	5.0	31	1.27	0.06	5.0
	32	1.11	0.06	5.0	33	1.04	0.05	5.0	51	3.95	0.20	5.0
	52	2.87	0.14	5.0	53	3.51	0.18	5.0	54	2.12	0.11	5.0
	55	1.46	0.07	5.0	56	2.16	0.11	5.0	57	2.80	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.93	0.10	5.0	62	1.35	0.07	5.0	63	1.14	0.06	5.0
	64	1.68	0.08	5.0	65	2.22	0.11	5.0	66	2.63	0.13	5.0
	71	2.25	0.11	5.0	72	2.97	0.15	5.0	73	3.55	0.18	5.0
	74	3.90	0.19	5.0	78	2.57	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.52	0.13	5.0
	83	2.23	0.11	5.0	84	1.74	0.09	5.0	85	2.00	0.10	5.0
	86	2.24	0.11	5.0	87	1.59	0.08	5.0	88	1.44	0.07	5.0

72	89	1.21	0.06	5.0	106	25.22	25.22	100.0	107	25.46	25.46	100.0
	108	24.93	24.93	100.0	109	24.70	24.70	100.0	110	24.62	24.62	100.0
	111	26.81	26.81	100.0	112	26.99	26.99	100.0	113	27.20	27.20	100.0
	114	26.60	26.60	100.0								
	9	15.38	15.38	100.0	17	3.15	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.73	0.19	5.0	24	3.53	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.93	0.15	5.0
	29	13.69	13.69	100.0	30	1.07	0.05	5.0	31	0.93	0.05	5.0
	32	0.86	0.04	5.0	33	0.82	0.04	5.0	51	3.79	0.19	5.0
	52	2.56	0.13	5.0	53	3.29	0.16	5.0	54	1.73	0.09	5.0
	55	1.31	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.50	0.12	5.0
	61	1.87	0.09	5.0	62	1.20	0.06	5.0	63	1.03	0.05	5.0
	64	1.65	0.08	5.0	65	2.23	0.11	5.0	66	2.67	0.13	5.0
73	71	1.79	0.09	5.0	72	2.59	0.13	5.0	73	3.24	0.16	5.0
	74	3.66	0.18	5.0	78	2.61	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
	83	2.25	0.11	5.0	84	1.70	0.09	5.0	85	1.94	0.10	5.0
	86	2.17	0.11	5.0	87	1.43	0.07	5.0	88	1.28	0.06	5.0
	89	1.10	0.05	5.0	106	17.53	17.53	100.0	107	17.33	17.33	100.0
	108	17.74	17.74	100.0	109	18.02	18.02	100.0	110	18.34	18.34	100.0
	111	15.89	15.89	100.0	112	15.63	15.63	100.0	113	15.45	15.45	100.0
	114	16.16	16.16	100.0								
	9	16.73	16.73	100.0	17	3.14	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.72	0.19	5.0	24	3.56	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.93	0.15	5.0
	29	19.87	19.87	100.0	30	1.03	0.05	5.0	31	0.96	0.05	5.0
	74	32	0.88	0.04	5.0	33	0.83	0.04	5.0	51	3.77	0.19
52		2.55	0.13	5.0	53	3.28	0.16	5.0	54	1.71	0.09	5.0
55		1.30	0.06	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
58		3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.50	0.12	5.0
61		1.87	0.09	5.0	62	1.19	0.06	5.0	63	1.02	0.05	5.0
64		1.64	0.08	5.0	65	2.22	0.11	5.0	66	2.67	0.13	5.0
71		1.82	0.09	5.0	72	2.62	0.13	5.0	73	3.28	0.16	5.0
74		3.70	0.18	5.0	78	2.61	0.13	5.0	79	2.87	0.14	5.0
80		3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
83		2.24	0.11	5.0	84	1.71	0.09	5.0	85	1.95	0.10	5.0
86		2.18	0.11	5.0	87	1.44	0.07	5.0	88	1.29	0.06	5.0
89		1.10	0.06	5.0	106	16.81	16.81	100.0	107	16.64	16.64	100.0

76	108	25.05	25.05	100.0	109	24.83	24.83	100.0	110	24.76	24.76	100.0
	111	26.67	26.67	100.0	112	26.83	26.83	100.0	113	27.03	27.03	100.0
	114	26.47	26.47	100.0								
	9	15.57	15.57	100.0	17	3.15	0.16	5.0	18	3.26	0.16	5.0
	19	3.45	0.17	5.0	20	3.74	0.19	5.0	24	3.54	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.93	0.15	5.0
	29	14.68	14.68	100.0	30	1.06	0.05	5.0	31	0.94	0.05	5.0
	32	0.86	0.04	5.0	33	0.82	0.04	5.0	51	3.79	0.19	5.0
	52	2.56	0.13	5.0	53	3.29	0.16	5.0	54	1.72	0.09	5.0
	55	1.31	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.50	0.12	5.0
	61	1.87	0.09	5.0	62	1.20	0.06	5.0	63	1.03	0.05	5.0
	64	1.64	0.08	5.0	65	2.23	0.11	5.0	66	2.67	0.13	5.0
	71	1.80	0.09	5.0	72	2.60	0.13	5.0	73	3.25	0.16	5.0
77	74	3.66	0.18	5.0	78	2.61	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.13	5.0
	83	2.24	0.11	5.0	84	1.71	0.09	5.0	85	1.94	0.10	5.0
	86	2.18	0.11	5.0	87	1.43	0.07	5.0	88	1.29	0.06	5.0
	89	1.10	0.05	5.0	106	17.42	17.42	100.0	107	17.22	17.22	100.0
	108	17.62	17.62	100.0	109	17.89	17.89	100.0	110	18.20	18.20	100.0
	111	16.03	16.03	100.0	112	15.78	15.78	100.0	113	15.62	15.62	100.0
	114	16.28	16.28	100.0								
	9	16.54	16.54	100.0	17	3.14	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.71	0.19	5.0	24	3.56	0.18	5.0
	25	3.27	0.16	5.0	26	3.06	0.15	5.0	27	2.93	0.15	5.0
	29	18.89	18.89	100.0	30	1.04	0.05	5.0	31	0.95	0.05	5.0
	32	0.87	0.04	5.0	33	0.83	0.04	5.0	51	3.77	0.19	5.0
	52	2.55	0.13	5.0	53	3.28	0.16	5.0	54	1.71	0.09	5.0
78	55	1.30	0.07	5.0	56	2.09	0.10	5.0	57	2.77	0.14	5.0
	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.49	0.12	5.0
	61	1.87	0.09	5.0	62	1.19	0.06	5.0	63	1.02	0.05	5.0
	64	1.64	0.08	5.0	65	2.23	0.11	5.0	66	2.67	0.13	5.0
	71	1.82	0.09	5.0	72	2.62	0.13	5.0	73	3.27	0.16	5.0
	74	3.69	0.18	5.0	78	2.61	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.50	0.12	5.0
	83	2.24	0.11	5.0	84	1.70	0.09	5.0	85	1.94	0.10	5.0
	86	2.18	0.11	5.0	87	1.44	0.07	5.0	88	1.29	0.06	5.0
	89	1.10	0.06	5.0	106	16.92	16.92	100.0	107	16.75	16.75	100.0
	108	17.08	17.08	100.0	109	17.29	17.29	100.0	110	17.56	17.56	100.0
	111	16.74	16.74	100.0	112	16.60	16.60	100.0	113	16.53	16.53	100.0
	114	16.88	16.88	100.0								
	9	19.88	19.88	100.0	17	3.13	0.16	5.0	18	3.26	0.16	5.0
79	19	3.46	0.17	5.0	20	3.79	0.19	5.0	24	3.52	0.18	5.0
	25	3.25	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	12.29	12.29	100.0	30	1.35	0.07	5.0	31	1.10	0.05	5.0
	32	0.98	0.05	5.0	33	0.93	0.05	5.0	51	3.93	0.20	5.0
	52	2.79	0.14	5.0	53	3.46	0.17	5.0	54	2.02	0.10	5.0
	55	1.42	0.07	5.0	56	2.14	0.11	5.0	57	2.78	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.92	0.10	5.0	62	1.31	0.07	5.0	63	1.12	0.06	5.0
	64	1.68	0.08	5.0	65	2.23	0.11	5.0	66	2.66	0.13	5.0
	71	2.00	0.10	5.0	72	2.75	0.14	5.0	73	3.35	0.17	5.0
	74	3.72	0.19	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.13	0.16	5.0	81	2.77	0.14	5.0	82	2.51	0.13	5.0
	83	2.24	0.11	5.0	84	1.72	0.09	5.0	85	1.97	0.10	5.0
	86	2.20	0.11	5.0	87	1.50	0.07	5.0	88	1.35	0.07	5.0
79	89	1.15	0.06	5.0	106	24.03	24.03	100.0	107	23.86	23.86	100.0
	108	24.24	24.24	100.0	109	24.55	24.55	100.0	110	24.95	24.95	100.0
	111	20.66	20.66	100.0	112	20.27	20.27	100.0	113	19.99	19.99	100.0
	114	21.03	21.03	100.0								
	9	24.23	24.23	100.0	17	3.11	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.75	0.19	5.0	24	3.63	0.18	5.0
	25	3.28	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.15	5.0
	29	32.81	32.81	100.0	30	1.24	0.06	5.0	31	1.18	0.06	5.0
	32	1.05	0.05	5.0	33	0.99	0.05	5.0	51	3.87	0.19	5.0
	52	2.74	0.14	5.0	53	3.42	0.17	5.0	54	1.94	0.10	5.0
	55	1.39	0.07	5.0	56	2.13	0.11	5.0	57	2.79	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.27	0.06	5.0	63	1.08	0.05	5.0
	64	1.65	0.08	5.0	65	2.21	0.11	5.0	66	2.64	0.13	5.0
	71	2.12	0.11	5.0	72	2.87	0.14	5.0	73	3.48	0.17	5.0
79	74	3.87	0.19	5.0	78	2.58	0.13	5.0	79	2.87	0.14	5.0
	80	3.15	0.16	5.0	81	2.79	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.73	0.09	5.0	85	1.99	0.10	5.0
	86	2.23	0.11	5.0	87	1.55	0.08	5.0	88	1.40	0.07	5.0
	89	1.18	0.06	5.0	106	21.63	21.63	100.0	107	21.52	21.52	100.0
	108	21.65	21.65	100.0	109	21.71	21.71	100.0	110	21.87	21.87	100.0

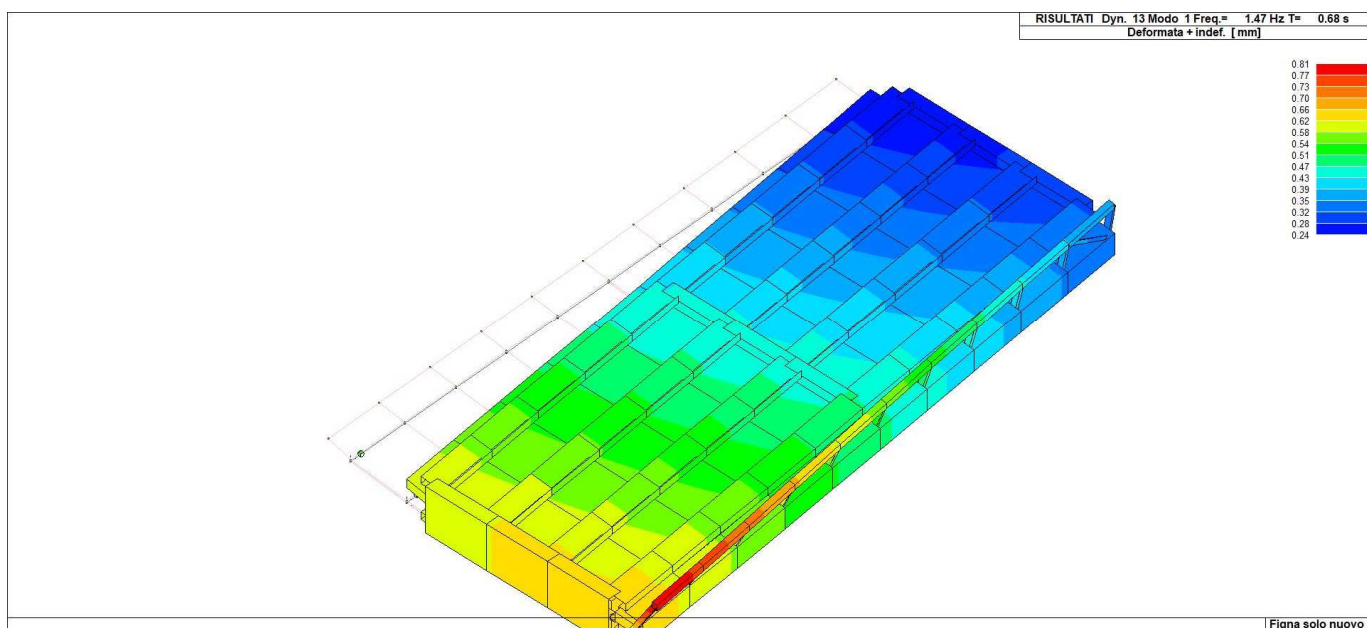
80	111	23.82	23.82	100.0	112	23.89	23.89	100.0	113	24.02	24.02	100.0
	114	23.75	23.75	100.0								
	9	18.58	18.58	100.0	17	3.14	0.16	5.0	18	3.26	0.16	5.0
	19	3.45	0.17	5.0	20	3.76	0.19	5.0	24	3.51	0.18	5.0
	25	3.25	0.16	5.0	26	3.06	0.15	5.0	27	2.92	0.15	5.0
	29	10.02	10.02	100.0	30	1.25	0.06	5.0	31	1.02	0.05	5.0
	32	0.92	0.05	5.0	33	0.87	0.04	5.0	51	3.86	0.19	5.0
	52	2.68	0.13	5.0	53	3.37	0.17	5.0	54	1.90	0.10	5.0
	55	1.38	0.07	5.0	56	2.12	0.11	5.0	57	2.78	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.27	0.06	5.0	63	1.09	0.05	5.0
	64	1.67	0.08	5.0	65	2.23	0.11	5.0	66	2.66	0.13	5.0
	71	1.91	0.10	5.0	72	2.68	0.13	5.0	73	3.30	0.16	5.0
	74	3.68	0.18	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
81	80	3.13	0.16	5.0	81	2.76	0.14	5.0	82	2.50	0.13	5.0
	83	2.24	0.11	5.0	84	1.71	0.09	5.0	85	1.96	0.10	5.0
	86	2.18	0.11	5.0	87	1.46	0.07	5.0	88	1.32	0.07	5.0
	89	1.12	0.06	5.0	106	21.16	21.16	100.0	107	21.31	21.31	100.0
	108	21.05	21.05	100.0	109	21.03	21.03	100.0	110	21.11	21.11	100.0
	111	18.88	18.88	100.0	112	18.69	18.69	100.0	113	18.57	18.57	100.0
	114	19.01	19.01	100.0								
	9	23.02	23.02	100.0	17	3.12	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.72	0.19	5.0	24	3.62	0.18	5.0
	25	3.28	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	30.58	30.58	100.0	30	1.14	0.06	5.0	31	1.10	0.06	5.0
	32	0.99	0.05	5.0	33	0.93	0.05	5.0	51	3.81	0.19	5.0
	52	2.64	0.13	5.0	53	3.34	0.17	5.0	54	1.83	0.09	5.0
	55	1.35	0.07	5.0	56	2.11	0.11	5.0	57	2.78	0.14	5.0
82	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.13	5.0
	61	1.88	0.09	5.0	62	1.23	0.06	5.0	63	1.05	0.05	5.0
	64	1.64	0.08	5.0	65	2.21	0.11	5.0	66	2.64	0.13	5.0
	71	2.02	0.10	5.0	72	2.79	0.14	5.0	73	3.43	0.17	5.0
	74	3.83	0.19	5.0	78	2.59	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.72	0.09	5.0	85	1.97	0.10	5.0
	86	2.21	0.11	5.0	87	1.51	0.08	5.0	88	1.36	0.07	5.0
	89	1.15	0.06	5.0	106	18.77	18.77	100.0	107	18.99	18.99	100.0
	108	18.46	18.46	100.0	109	18.18	18.18	100.0	110	18.02	18.02	100.0
	111	22.11	22.11	100.0	112	22.40	22.40	100.0	113	22.69	22.69	100.0
	114	21.81	21.81	100.0								
	9	20.86	20.86	100.0	17	3.13	0.16	5.0	18	3.25	0.16	5.0
	19	3.46	0.17	5.0	20	3.78	0.19	5.0	24	3.52	0.18	5.0
83	25	3.25	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	12.54	12.54	100.0	30	1.36	0.07	5.0	31	1.10	0.06	5.0
	32	0.99	0.05	5.0	33	0.93	0.05	5.0	51	3.92	0.20	5.0
	52	2.78	0.14	5.0	53	3.45	0.17	5.0	54	2.02	0.10	5.0
	55	1.42	0.07	5.0	56	2.14	0.11	5.0	57	2.78	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.92	0.10	5.0	62	1.31	0.07	5.0	63	1.12	0.06	5.0
	64	1.68	0.08	5.0	65	2.23	0.11	5.0	66	2.66	0.13	5.0
	71	2.02	0.10	5.0	72	2.77	0.14	5.0	73	3.36	0.17	5.0
	74	3.73	0.19	5.0	78	2.59	0.13	5.0	79	2.87	0.14	5.0
	80	3.13	0.16	5.0	81	2.77	0.14	5.0	82	2.51	0.13	5.0
	83	2.24	0.11	5.0	84	1.72	0.09	5.0	85	1.97	0.10	5.0
	86	2.20	0.11	5.0	87	1.50	0.08	5.0	88	1.36	0.07	5.0
	89	1.15	0.06	5.0	106	23.86	23.86	100.0	107	23.91	23.91	100.0
83	108	23.84	23.84	100.0	109	23.91	23.91	100.0	110	24.11	24.11	100.0
	111	21.26	21.26	100.0	112	21.03	21.03	100.0	113	20.87	20.87	100.0
	114	21.46	21.46	100.0								
	9	25.27	25.27	100.0	17	3.11	0.16	5.0	18	3.24	0.16	5.0
	19	3.45	0.17	5.0	20	3.74	0.19	5.0	24	3.64	0.18	5.0
	25	3.28	0.16	5.0	26	3.06	0.15	5.0	27	2.90	0.14	5.0
	29	33.09	33.09	100.0	30	1.25	0.06	5.0	31	1.19	0.06	5.0
	32	1.05	0.05	5.0	33	0.99	0.05	5.0	51	3.86	0.19	5.0
	52	2.74	0.14	5.0	53	3.41	0.17	5.0	54	1.95	0.10	5.0
	55	1.39	0.07	5.0	56	2.13	0.11	5.0	57	2.79	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.27	0.06	5.0	63	1.08	0.05	5.0
	64	1.65	0.08	5.0	65	2.21	0.11	5.0	66	2.64	0.13	5.0
	71	2.13	0.11	5.0	72	2.89	0.14	5.0	73	3.50	0.17	5.0
	74	3.88	0.19	5.0	78	2.58	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.73	0.09	5.0	85	1.99	0.10	5.0
	86	2.23	0.11	5.0	87	1.55	0.08	5.0	88	1.40	0.07	5.0
	89	1.18	0.06	5.0	106	21.46	21.46	100.0	107	21.58	21.58	100.0
	108	21.25	21.25	100.0	109	21.05	21.05	100.0	110	21.00	21.00	100.0
	111	24.48	24.48	100.0	112	24.70	24.70	100.0	113	24.96	24.96	100.0

84	114	24.23	24.23	100.0								
	9	17.61	17.61	100.0	17	3.14	0.16	5.0	18	3.26	0.16	5.0
	19	3.45	0.17	5.0	20	3.77	0.19	5.0	24	3.51	0.18	5.0
	25	3.25	0.16	5.0	26	3.06	0.15	5.0	27	2.92	0.15	5.0
	29	9.78	9.78	100.0	30	1.24	0.06	5.0	31	1.01	0.05	5.0
	32	0.92	0.05	5.0	33	0.87	0.04	5.0	51	3.86	0.19	5.0
	52	2.68	0.13	5.0	53	3.38	0.17	5.0	54	1.90	0.09	5.0
	55	1.37	0.07	5.0	56	2.12	0.11	5.0	57	2.78	0.14	5.0
	58	3.24	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.09	5.0	62	1.27	0.06	5.0	63	1.09	0.05	5.0
	64	1.67	0.08	5.0	65	2.23	0.11	5.0	66	2.67	0.13	5.0
	71	1.90	0.09	5.0	72	2.67	0.13	5.0	73	3.28	0.16	5.0
	74	3.67	0.18	5.0	78	2.61	0.13	5.0	79	2.87	0.14	5.0
	80	3.13	0.16	5.0	81	2.76	0.14	5.0	82	2.50	0.13	5.0
85	83	2.24	0.11	5.0	84	1.71	0.09	5.0	85	1.96	0.10	5.0
	86	2.18	0.11	5.0	87	1.46	0.07	5.0	88	1.32	0.07	5.0
	89	1.12	0.06	5.0	106	21.34	21.34	100.0	107	21.26	21.26	100.0
	108	21.45	21.45	100.0	109	21.66	21.66	100.0	110	21.95	21.95	100.0
	111	18.27	18.27	100.0	112	17.94	17.94	100.0	113	17.70	17.70	100.0
	114	18.58	18.58	100.0								
	9	22.05	22.05	100.0	17	3.12	0.16	5.0	18	3.25	0.16	5.0
	19	3.45	0.17	5.0	20	3.72	0.19	5.0	24	3.62	0.18	5.0
	25	3.28	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	30.32	30.32	100.0	30	1.13	0.06	5.0	31	1.10	0.05	5.0
	32	0.98	0.05	5.0	33	0.93	0.05	5.0	51	3.81	0.19	5.0
	52	2.64	0.13	5.0	53	3.34	0.17	5.0	54	1.82	0.09	5.0
	55	1.34	0.07	5.0	56	2.11	0.11	5.0	57	2.78	0.14	5.0
	58	3.24	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.13	5.0
86	61	1.88	0.09	5.0	62	1.22	0.06	5.0	63	1.05	0.05	5.0
	64	1.64	0.08	5.0	65	2.21	0.11	5.0	66	2.65	0.13	5.0
	71	2.00	0.10	5.0	72	2.78	0.14	5.0	73	3.41	0.17	5.0
	74	3.82	0.19	5.0	78	2.59	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.79	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.72	0.09	5.0	85	1.97	0.10	5.0
	86	2.21	0.11	5.0	87	1.51	0.08	5.0	88	1.36	0.07	5.0
	89	1.15	0.06	5.0	106	18.94	18.94	100.0	107	18.94	18.94	100.0
	108	18.86	18.86	100.0	109	18.81	18.81	100.0	110	18.86	18.86	100.0
	111	21.50	21.50	100.0	112	21.64	21.64	100.0	113	21.82	21.82	100.0
	114	21.36	21.36	100.0								
	9	20.51	20.51	100.0	17	3.13	0.16	5.0	18	3.26	0.16	5.0
	19	3.47	0.17	5.0	20	3.81	0.19	5.0	24	3.54	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
87	29	15.57	15.57	100.0	30	1.33	0.07	5.0	31	1.12	0.06	5.0
	32	1.00	0.05	5.0	33	0.94	0.05	5.0	51	3.94	0.20	5.0
	52	2.78	0.14	5.0	53	3.46	0.17	5.0	54	2.00	0.10	5.0
	55	1.41	0.07	5.0	56	2.14	0.11	5.0	57	2.79	0.14	5.0
	58	3.25	0.16	5.0	59	2.98	0.15	5.0	60	2.52	0.13	5.0
	61	1.92	0.10	5.0	62	1.30	0.07	5.0	63	1.11	0.06	5.0
	64	1.67	0.08	5.0	65	2.23	0.11	5.0	66	2.66	0.13	5.0
	71	2.03	0.10	5.0	72	2.78	0.14	5.0	73	3.37	0.17	5.0
	74	3.74	0.19	5.0	78	2.60	0.13	5.0	79	2.88	0.14	5.0
	80	3.14	0.16	5.0	81	2.78	0.14	5.0	82	2.51	0.13	5.0
	83	2.24	0.11	5.0	84	1.72	0.09	5.0	85	1.98	0.10	5.0
	86	2.21	0.11	5.0	87	1.51	0.08	5.0	88	1.37	0.07	5.0
	89	1.16	0.06	5.0	106	23.66	23.66	100.0	107	23.50	23.50	100.0
	108	23.85	23.85	100.0	109	24.12	24.12	100.0	110	24.48	24.48	100.0
87	111	21.11	21.11	100.0	112	20.78	20.78	100.0	113	20.56	20.56	100.0
	114	21.43	21.43	100.0								
	9	23.64	23.64	100.0	17	3.11	0.16	5.0	18	3.24	0.16	5.0
	19	3.44	0.17	5.0	20	3.73	0.19	5.0	24	3.62	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.90	0.15	5.0
	29	29.54	29.54	100.0	30	1.26	0.06	5.0	31	1.17	0.06	5.0
	32	1.03	0.05	5.0	33	0.97	0.05	5.0	51	3.86	0.19	5.0
	52	2.74	0.14	5.0	53	3.41	0.17	5.0	54	1.96	0.10	5.0
	55	1.40	0.07	5.0	56	2.13	0.11	5.0	57	2.78	0.14	5.0
	58	3.23	0.16	5.0	59	2.96	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.27	0.06	5.0	63	1.09	0.05	5.0
	64	1.66	0.08	5.0	65	2.22	0.11	5.0	66	2.64	0.13	5.0
	71	2.09	0.10	5.0	72	2.84	0.14	5.0	73	3.46	0.17	5.0
	74	3.84	0.19	5.0	78	2.58	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.78	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.72	0.09	5.0	85	1.98	0.10	5.0
	86	2.22	0.11	5.0	87	1.54	0.08	5.0	88	1.38	0.07	5.0
	89	1.17	0.06	5.0	106	22.01	22.01	100.0	107	21.90	21.90	100.0
	108	22.06	22.06	100.0	109	22.15	22.15	100.0	110	22.35	22.35	100.0
	111	23.39	23.39	100.0	112	23.41	23.41	100.0	113	23.48	23.48	100.0
	114	23.37	23.37	100.0								

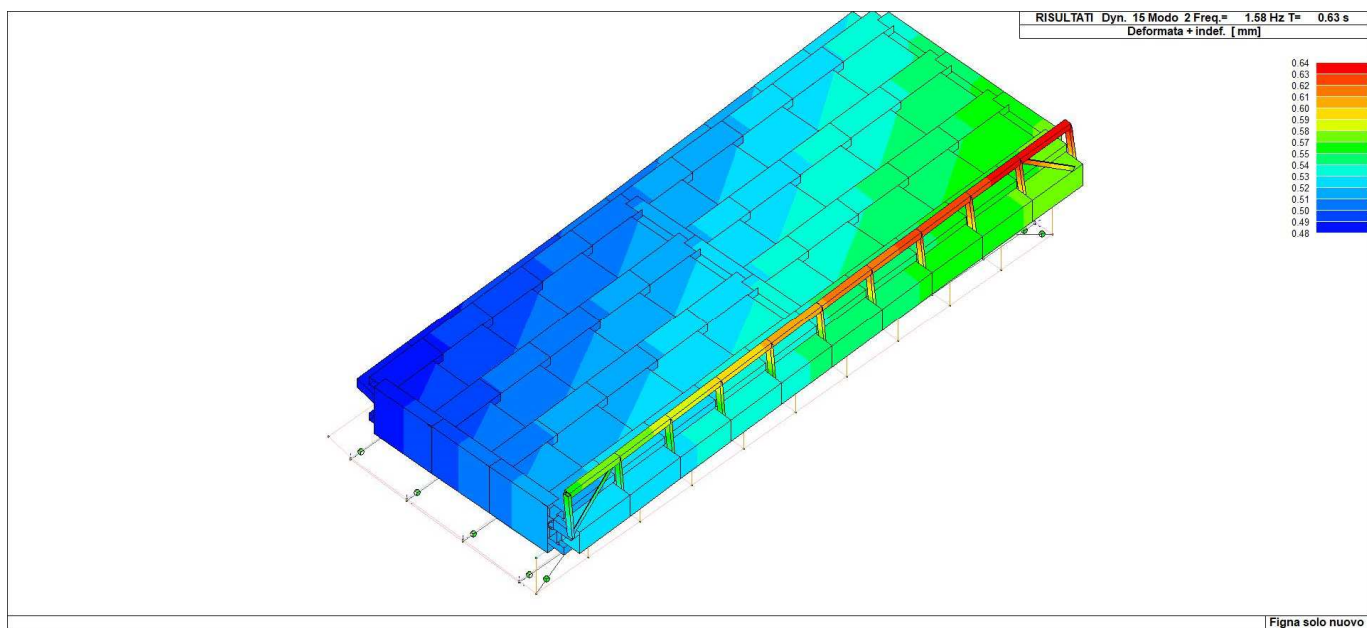


88	9	19.20	19.20	100.0	17	3.14	0.16	5.0	18	3.26	0.16	5.0
	19	3.46	0.17	5.0	20	3.78	0.19	5.0	24	3.53	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	13.30	13.30	100.0	30	1.23	0.06	5.0	31	1.04	0.05	5.0
	32	0.94	0.05	5.0	33	0.89	0.04	5.0	51	3.87	0.19	5.0
	52	2.67	0.13	5.0	53	3.38	0.17	5.0	54	1.88	0.09	5.0
	55	1.37	0.07	5.0	56	2.12	0.11	5.0	57	2.79	0.14	5.0
	58	3.25	0.16	5.0	59	2.97	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.26	0.06	5.0	63	1.08	0.05	5.0
	64	1.66	0.08	5.0	65	2.23	0.11	5.0	66	2.66	0.13	5.0
	71	1.93	0.10	5.0	72	2.70	0.14	5.0	73	3.32	0.17	5.0
	74	3.70	0.19	5.0	78	2.60	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.77	0.14	5.0	82	2.51	0.13	5.0
	83	2.24	0.11	5.0	84	1.71	0.09	5.0	85	1.96	0.10	5.0
	86	2.19	0.11	5.0	87	1.48	0.07	5.0	88	1.33	0.07	5.0
	89	1.13	0.06	5.0	106	20.80	20.80	100.0	107	20.95	20.95	100.0
89	108	20.66	20.66	100.0	109	20.60	20.60	100.0	110	20.65	20.65	100.0
	111	19.32	19.32	100.0	112	19.20	19.20	100.0	113	19.14	19.14	100.0
	114	19.42	19.42	100.0								
	9	22.39	22.39	100.0	17	3.12	0.16	5.0	18	3.24	0.16	5.0
	19	3.44	0.17	5.0	20	3.70	0.18	5.0	24	3.60	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.91	0.15	5.0
	29	27.30	27.30	100.0	30	1.16	0.06	5.0	31	1.09	0.05	5.0
	32	0.97	0.05	5.0	33	0.92	0.05	5.0	51	3.79	0.19	5.0
	52	2.64	0.13	5.0	53	3.33	0.17	5.0	54	1.84	0.09	5.0
	55	1.35	0.07	5.0	56	2.11	0.11	5.0	57	2.77	0.14	5.0
	58	3.23	0.16	5.0	59	2.96	0.15	5.0	60	2.50	0.12	5.0
	61	1.89	0.09	5.0	62	1.24	0.06	5.0	63	1.06	0.05	5.0
	64	1.64	0.08	5.0	65	2.21	0.11	5.0	66	2.65	0.13	5.0
	71	1.99	0.10	5.0	72	2.77	0.14	5.0	73	3.40	0.17	5.0
	74	3.80	0.19	5.0	78	2.59	0.13	5.0	79	2.87	0.14	5.0
	80	3.14	0.16	5.0	81	2.78	0.14	5.0	82	2.50	0.13	5.0
90	83	2.23	0.11	5.0	84	1.71	0.09	5.0	85	1.96	0.10	5.0
	86	2.20	0.11	5.0	87	1.50	0.07	5.0	88	1.35	0.07	5.0
	89	1.14	0.06	5.0	106	19.15	19.15	100.0	107	19.36	19.36	100.0
	108	18.86	18.86	100.0	109	18.62	18.62	100.0	110	18.51	18.51	100.0
	111	21.66	21.66	100.0	112	21.88	21.88	100.0	113	22.12	22.12	100.0
	114	21.40	21.40	100.0								
	9	21.48	21.48	100.0	17	3.13	0.16	5.0	18	3.26	0.16	5.0
	19	3.47	0.17	5.0	20	3.80	0.19	5.0	24	3.54	0.18	5.0
	25	3.26	0.16	5.0	26	3.06	0.15	5.0	27	2.91	0.15	5.0
	29	15.82	15.82	100.0	30	1.34	0.07	5.0	31	1.12	0.06	5.0
	32	1.00	0.05	5.0	33	0.94	0.05	5.0	51	3.93	0.20	5.0
	52	2.78	0.14	5.0	53	3.46	0.17	5.0	54	2.01	0.10	5.0
	55	1.42	0.07	5.0	56	2.14	0.11	5.0	57	2.79	0.14	5.0
	58	3.25	0.16	5.0	59	2.97	0.15	5.0	60	2.52	0.13	5.0
	61	1.92	0.10	5.0	62	1.31	0.07	5.0	63	1.11	0.06	5.0
	64	1.67	0.08	5.0	65	2.23	0.11	5.0	66	2.65	0.13	5.0
	71	2.04	0.10	5.0	72	2.79	0.14	5.0	73	3.39	0.17	5.0
91	74	3.75	0.19	5.0	78	2.59	0.13	5.0	79	2.88	0.14	5.0
	80	3.14	0.16	5.0	81	2.78	0.14	5.0	82	2.51	0.13	5.0
	83	2.24	0.11	5.0	84	1.72	0.09	5.0	85	1.98	0.10	5.0
	86	2.21	0.11	5.0	87	1.52	0.08	5.0	88	1.37	0.07	5.0
	89	1.16	0.06	5.0	106	23.49	23.49	100.0	107	23.55	23.55	100.0
	108	23.45	23.45	100.0	109	23.49	23.49	100.0	110	23.64	23.64	100.0
	111	21.71	21.71	100.0	112	21.53	21.53	100.0	113	21.43	21.43	100.0
	114	21.87	21.87	100.0								
	9	24.65	24.65	100.0	17	3.11	0.16	5.0	18	3.24	0.16	5.0
	19	3.44	0.17	5.0	20	3.72	0.19	5.0	24	3.62	0.18	5.0
	25	3.27	0.16	5.0	26	3.05	0.15	5.0	27	2.90	0.14	5.0
	29	29.80	29.80	100.0	30	1.27	0.06	5.0	31	1.17	0.06	5.0
	32	1.04	0.05	5.0	33	0.98	0.05	5.0	51	3.85	0.19	5.0
	52	2.74	0.14	5.0	53	3.41	0.17	5.0	54	1.96	0.10	5.0
	55	1.40	0.07	5.0	56	2.13	0.11	5.0	57	2.78	0.14	5.0
	58	3.23	0.16	5.0	59	2.96	0.15	5.0	60	2.51	0.13	5.0
	61	1.90	0.10	5.0	62	1.28	0.06	5.0	63	1.09	0.05	5.0
	64	1.66	0.08	5.0	65	2.21	0.11	5.0	66	2.64	0.13	5.0
	71	2.11	0.11	5.0	72	2.86	0.14	5.0	73	3.47	0.17	5.0
	74	3.85	0.19	5.0	78	2.58	0.13	5.0	79	2.87	0.14	5.0
92	80	3.14	0.16	5.0	81	2.78	0.14	5.0	82	2.51	0.13	5.0
	83	2.23	0.11	5.0	84	1.72	0.09	5.0	85	1.98	0.10	5.0
	86	2.22	0.11	5.0	87	1.54	0.08	5.0	88	1.39	0.07	5.0
	89	1.17	0.06	5.0	106	21.84	21.84	100.0	107	21.95	21.95	100.0
	108	21.66	21.66	100.0	109	21.52	21.52	100.0	110	21.51	21.51	100.0
	111	24.02	24.02	100.0	112	24.19	24.19	100.0	113	24.39	24.39	100.0
	114	23.83	23.83	100.0								
	9	18.23	18.23	100.0	17	3.14	0.16	5.0	18	3.26	0.16	5.0

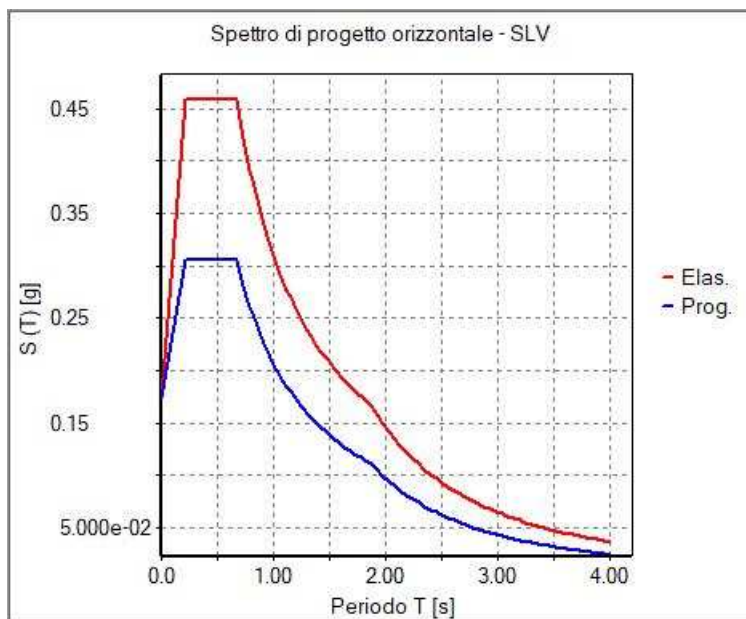




31\_RIS\_MODALOX\_001\_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



31\_RIS\_MODALOY\_002\_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



31\_RIS\_SPETTRI\_PROGETTO\_SLV\_O

# 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	6	0.04	0.09	-11.54	3.37e-03	-1.35e-04	1.08e-05
1	13	-0.90	33.01	-11.54	3.37e-03	-1.34e-04	2.29e-04
1	15	11.08	0.18	-5.65	1.67e-03	5.22e-04	1.71e-04
1	18	-0.60	22.01	-8.10	2.36e-03	-9.30e-05	1.53e-04
1	19	0.03	0.06	-8.10	2.36e-03	-9.33e-05	7.58e-06
1	20	0.01	0.03	-4.07	1.17e-03	-3.33e-05	3.63e-06
1	22	-0.60	22.01	-8.10	2.36e-03	-9.30e-05	1.53e-04
1	27	0.03	0.06	-8.10	2.36e-03	-9.33e-05	7.58e-06
1	28	0.04	0.09	-11.54	3.37e-03	-1.35e-04	1.08e-05
1	31	46.81	17.35	-9.16	2.76e-03	5.80e-04	1.39e-03
1	39	53.17	11.70	-9.11	2.76e-03	5.74e-04	2.92e-04
1	54	23.95	49.21	-9.13	2.75e-03	4.96e-04	1.25e-03
1	63	37.74	17.31	-9.14	2.75e-03	5.46e-04	8.90e-04
1	71	42.27	13.84	-9.11	2.75e-03	5.44e-04	2.35e-04
1	86	23.44	37.97	-9.12	2.74e-03	4.94e-04	8.36e-04
2	6	0.02	0.11	-6.25	3.95e-03	-1.13e-04	1.49e-05
2	13	-1.23	33.02	-6.25	3.95e-03	-1.13e-04	2.33e-04
2	15	10.84	0.19	-3.05	1.93e-03	3.17e-04	1.73e-04
2	18	-0.82	22.02	-4.39	2.77e-03	-7.84e-05	1.56e-04
2	19	0.02	0.07	-4.39	2.77e-03	-7.87e-05	1.04e-05
2	20	8.27e-03	0.04	-2.22	1.39e-03	-3.23e-05	5.08e-06
2	22	-0.82	22.02	-4.39	2.77e-03	-7.84e-05	1.56e-04
2	27	0.02	0.07	-4.39	2.77e-03	-7.87e-05	1.04e-05
2	28	0.02	0.11	-6.25	3.95e-03	-1.13e-04	1.49e-05
2	33	7.02	0.81	-4.90	3.12e-03	2.36e-04	-1.67e-03
2	39	52.57	11.71	-4.87	3.13e-03	2.44e-04	3.11e-04
2	54	22.57	49.22	-4.88	3.14e-03	2.73e-04	1.26e-03
2	71	41.83	13.85	-4.87	3.13e-03	2.48e-04	2.51e-04
2	81	25.66	-2.12	-4.89	3.13e-03	2.59e-04	-7.24e-04
2	86	22.49	37.98	-4.88	3.13e-03	2.67e-04	8.48e-04
3	6	0.04	0.04	-18.73	-1.31e-03	-1.40e-04	-2.78e-06
3	13	0.34	32.25	-18.73	-1.31e-03	-1.40e-04	2.15e-04
3	15	12.04	-0.36	-6.49	-4.15e-04	7.26e-04	1.54e-04
3	18	0.23	21.50	-13.15	-9.19e-04	-1.03e-04	1.43e-04
3	19	0.03	0.03	-13.15	-9.20e-04	-1.03e-04	-1.89e-06
3	20	0.02	0.01	-6.63	-4.41e-04	-9.77e-05	0.0
3	22	0.23	21.50	-13.15	-9.19e-04	-1.03e-04	1.43e-04
3	27	0.03	0.03	-13.15	-9.20e-04	-1.03e-04	-1.89e-06
3	28	0.04	0.04	-18.73	-1.31e-03	-1.40e-04	-2.78e-06
3	38	56.00	22.47	-11.85	-7.31e-04	9.01e-04	7.98e-04
3	40	-3.23	27.34	-12.73	-8.05e-04	6.08e-04	1.87e-05
3	56	20.28	46.52	-12.46	-7.69e-04	7.54e-04	3.15e-04
3	70	44.25	20.54	-12.00	-7.44e-04	8.51e-04	5.46e-04
3	72	6.89	23.72	-12.56	-7.90e-04	6.67e-04	6.04e-05
3	88	21.97	36.17	-12.38	-7.67e-04	7.60e-04	2.63e-04
4	13	1.28	33.31	-6.21	-3.87e-03	2.80e-05	2.02e-04
4	15	12.66	0.39	-3.80	-2.33e-03	8.23e-04	1.44e-04
4	18	0.85	22.21	-4.37	-2.72e-03	2.55e-05	1.34e-04

4	20	9.00e-03	0.02	-2.25	-1.38e-03	6.89e-05	-4.71e-06
4	22	0.85	22.21	-4.37	-2.72e-03	2.55e-05	1.34e-04
4	28	0.02	0.07	-6.21	-3.87e-03	2.82e-05	-1.70e-05
4	30	62.91	36.41	-6.29	-3.78e-03	1.69e-03	1.88e-03
4	34	61.95	36.44	-6.30	-3.78e-03	1.69e-03	1.79e-03
4	54	41.16	50.68	-6.18	-3.73e-03	1.49e-03	1.20e-03
4	62	47.71	29.40	-6.19	-3.72e-03	1.53e-03	1.19e-03
4	74	45.44	25.41	-6.19	-3.73e-03	1.49e-03	4.62e-04
4	86	34.66	38.92	-6.13	-3.69e-03	1.41e-03	7.93e-04
5	13	1.28	33.40	-6.22	-3.77e-03	1.69e-04	2.04e-04
5	15	12.66	0.44	-4.22	-2.40e-03	1.06e-03	1.27e-04
5	18	0.86	22.27	-4.37	-2.65e-03	1.26e-04	1.36e-04
5	20	8.98e-03	0.02	-2.29	-1.35e-03	1.34e-04	-5.02e-06
5	22	0.86	22.27	-4.37	-2.65e-03	1.26e-04	1.36e-04
5	28	0.02	0.04	-6.21	-3.77e-03	1.68e-04	-1.41e-05
5	30	62.94	37.09	-7.37	-3.81e-03	2.89e-03	1.85e-03
5	34	61.98	37.08	-7.37	-3.82e-03	2.87e-03	1.76e-03
5	46	44.36	51.22	-7.11	-3.74e-03	2.53e-03	1.49e-03
5	62	47.73	29.80	-7.16	-3.75e-03	2.60e-03	1.16e-03
5	66	47.15	29.86	-7.16	-3.75e-03	2.60e-03	1.10e-03
5	86	34.67	39.22	-7.01	-3.72e-03	2.37e-03	7.70e-04
6	13	1.25	32.11	-6.60	-3.96e-03	-5.68e-05	2.06e-04
6	14	1.25	32.13	-5.15	-2.95e-03	-1.82e-04	2.09e-04
6	15	12.62	-0.38	-2.35	-1.40e-03	3.05e-04	1.37e-04
6	18	0.83	21.40	-4.64	-2.78e-03	-4.44e-05	1.37e-04
6	20	9.38e-03	-0.03	-2.39	-1.42e-03	-6.55e-05	-5.02e-06
6	22	0.83	21.40	-4.64	-2.78e-03	-4.44e-05	1.37e-04
6	28	0.02	-0.08	-6.59	-3.96e-03	-5.81e-05	-1.11e-05
6	30	62.65	17.75	-4.37	-2.57e-03	2.92e-04	1.86e-03
6	40	-3.87	27.25	-4.66	-2.73e-03	2.00e-04	1.84e-05
6	56	19.81	46.43	-4.56	-2.68e-03	2.37e-04	2.96e-04
6	62	47.53	17.43	-4.42	-2.60e-03	2.79e-04	1.17e-03
6	72	6.61	23.64	-4.60	-2.70e-03	2.21e-04	5.05e-05
6	88	21.80	36.09	-4.54	-2.66e-03	2.45e-04	2.41e-04
7	13	1.26	32.45	-6.49	-3.96e-03	5.80e-05	2.08e-04
7	14	1.25	32.47	-5.20	-2.99e-03	1.20e-04	2.12e-04
7	15	12.63	-0.16	-2.74	-1.66e-03	2.88e-04	1.38e-04
7	18	0.84	21.63	-4.56	-2.78e-03	3.93e-05	1.38e-04
7	20	6.72e-03	-0.03	-2.31	-1.39e-03	6.58e-06	-4.15e-06
7	22	0.84	21.63	-4.56	-2.78e-03	3.93e-05	1.38e-04
7	28	0.02	-0.09	-6.49	-3.96e-03	5.73e-05	-1.03e-05
7	30	62.72	18.13	-4.89	-2.92e-03	4.07e-04	1.86e-03
7	44	-4.82	28.16	-5.01	-2.99e-03	2.93e-04	-7.37e-05
7	56	19.81	47.58	-4.98	-2.97e-03	3.42e-04	2.99e-04
7	62	47.58	17.83	-4.91	-2.93e-03	3.84e-04	1.17e-03
7	76	6.03	24.31	-4.99	-2.97e-03	3.13e-04	-5.38e-06
7	88	21.80	36.85	-4.97	-2.96e-03	3.45e-04	2.44e-04
8	14	1.57	32.80	-0.51	-3.25e-03	4.43e-05	2.11e-04
8	15	12.83	0.06	-0.20	-2.04e-03	7.17e-05	1.31e-04
8	18	1.04	21.84	-0.28	-2.93e-03	4.78e-05	1.39e-04
8	20	-5.61e-04	-0.04	-0.16	-1.47e-03	2.59e-05	-4.65e-06
8	21	-7.61e-04	-0.06	-0.35	-2.30e-03	3.17e-05	-6.48e-06
8	22	1.04	21.84	-0.28	-2.93e-03	4.78e-05	1.39e-04
8	28	-1.56e-03	-0.11	-0.40	-4.14e-03	6.73e-05	-1.10e-05
8	30	65.32	34.18	-0.37	-3.44e-03	1.18e-04	1.88e-03
8	33	-15.75	0.72	-0.40	-3.46e-03	8.69e-05	-1.69e-03
8	54	42.43	48.94	-0.38	-3.47e-03	1.02e-04	1.19e-03
8	62	49.19	28.00	-0.38	-3.45e-03	1.12e-04	1.18e-03
8	65	0.38	6.90	-0.39	-3.46e-03	9.31e-05	-9.91e-04
8	86	35.47	37.73	-0.38	-3.46e-03	1.02e-04	7.81e-04
9	14	1.57	33.13	-0.52	-3.26e-03	5.53e-05	2.04e-04
9	15	12.83	0.27	-0.31	-2.27e-03	1.12e-04	1.43e-04
9	18	1.04	22.06	-0.31	-2.93e-03	6.21e-05	1.33e-04
9	20	-1.95e-03	-0.05	-0.18	-1.49e-03	3.67e-05	-5.70e-06
9	21	-2.73e-03	-0.07	-0.36	-2.31e-03	4.02e-05	-1.06e-05
9	22	1.04	22.06	-0.31	-2.93e-03	6.21e-05	1.33e-04
9	28	-5.21e-03	-0.13	-0.44	-4.15e-03	8.70e-05	-1.98e-05
9	30	65.35	36.19	-0.59	-3.89e-03	2.29e-04	1.88e-03
9	31	59.41	18.26	-0.60	-3.86e-03	2.39e-04	1.31e-03
9	54	42.45	50.47	-0.54	-3.85e-03	1.84e-04	1.21e-03
9	62	49.21	29.19	-0.57	-3.83e-03	2.11e-04	1.19e-03
9	63	45.59	17.75	-0.58	-3.82e-03	2.17e-04	8.22e-04
9	86	35.48	38.71	-0.55	-3.81e-03	1.83e-04	7.97e-04
10	13	0.98	33.31	-11.43	-3.31e-03	-8.07e-06	2.07e-04
10	15	12.47	0.39	-6.93	-1.97e-03	1.10e-03	1.37e-04
10	18	0.66	22.21	-8.03	-2.32e-03	1.36e-06	1.37e-04
10	20	0.02	0.02	-4.10	-1.16e-03	6.74e-05	-3.76e-06

10	22	0.66	22.21	-8.03	-2.32e-03	1.36e-06	1.37e-04
10	28	0.04	0.06	-11.42	-3.31e-03	-8.83e-06	-1.11e-05
10	30	60.46	36.42	-11.34	-3.12e-03	1.98e-03	1.88e-03
10	34	59.59	36.45	-11.34	-3.13e-03	1.97e-03	1.78e-03
10	54	39.93	50.69	-11.15	-3.09e-03	1.73e-03	1.19e-03
10	62	46.20	29.41	-11.17	-3.09e-03	1.79e-03	1.18e-03
10	74	44.90	25.41	-11.18	-3.11e-03	1.75e-03	4.57e-04
10	86	33.88	38.92	-11.06	-3.07e-03	1.64e-03	7.83e-04
11	13	0.99	33.40	-11.41	-3.29e-03	7.92e-05	2.07e-04
11	15	12.48	0.44	-7.54	-2.08e-03	1.42e-03	1.29e-04
11	18	0.66	22.27	-8.02	-2.31e-03	6.38e-05	1.37e-04
11	20	0.02	0.01	-4.13	-1.16e-03	1.10e-04	-3.81e-06
11	22	0.66	22.27	-8.02	-2.31e-03	6.38e-05	1.37e-04
11	28	0.04	0.04	-11.41	-3.29e-03	7.82e-05	-1.09e-05
11	30	60.49	37.12	-12.53	-3.16e-03	2.95e-03	1.87e-03
11	34	59.62	37.10	-12.53	-3.18e-03	2.94e-03	1.78e-03
11	46	42.84	51.24	-12.18	-3.07e-03	2.60e-03	1.50e-03
11	62	46.21	29.82	-12.25	-3.13e-03	2.67e-03	1.18e-03
11	66	45.69	29.88	-12.25	-3.14e-03	2.66e-03	1.12e-03
11	86	33.89	39.23	-12.03	-3.12e-03	2.43e-03	7.80e-04
12	14	-0.27	33.25	-13.36	9.98e-04	4.12e-05	2.20e-04
12	15	11.62	0.37	-10.80	8.17e-04	1.26e-03	1.72e-04
12	18	-0.17	22.16	-12.82	9.27e-04	-7.23e-05	1.47e-04
12	19	0.04	-0.02	-12.82	9.26e-04	-7.27e-05	2.38e-06
12	20	0.02	-8.03e-03	-6.45	4.43e-04	3.09e-05	2.33e-06
12	22	-0.17	22.16	-12.82	9.27e-04	-7.23e-05	1.47e-04
12	24	-3.50	-0.03	-18.26	1.32e-03	-1.13e-04	0.0
12	27	0.04	-0.02	-12.82	9.26e-04	-7.27e-05	2.38e-06
12	28	0.06	-0.02	-18.26	1.32e-03	-1.14e-04	3.22e-06
12	39	54.56	11.70	-17.48	1.29e-03	2.02e-03	2.83e-04
12	54	26.43	50.69	-17.08	1.31e-03	1.57e-03	1.24e-03
12	71	43.27	13.85	-17.24	1.28e-03	1.85e-03	2.29e-04
12	86	25.20	38.91	-16.99	1.29e-03	1.56e-03	8.32e-04
13	14	-0.27	33.36	-13.41	9.90e-04	1.17e-04	2.19e-04
13	15	11.63	0.46	-11.59	8.92e-04	1.85e-03	1.71e-04
13	18	-0.16	22.24	-12.81	9.14e-04	-2.90e-06	1.47e-04
13	19	0.04	-0.01	-12.81	9.13e-04	-3.21e-06	2.05e-06
13	20	0.02	-6.01e-03	-6.49	4.39e-04	8.47e-05	1.19e-06
13	22	-0.16	22.24	-12.81	9.14e-04	-2.90e-06	1.47e-04
13	24	-3.50	-0.03	-18.24	1.30e-03	-1.70e-05	0.0
13	27	0.04	-0.01	-12.81	9.13e-04	-3.21e-06	2.05e-06
13	28	0.06	-0.02	-18.24	1.30e-03	-1.75e-05	2.90e-06
13	39	54.57	11.76	-18.75	1.26e-03	3.02e-03	2.69e-04
13	46	24.14	51.30	-17.73	1.31e-03	2.29e-03	1.55e-03
13	71	43.28	13.91	-18.41	1.26e-03	2.77e-03	2.16e-04
13	86	25.21	39.25	-17.85	1.29e-03	2.34e-03	8.24e-04
14	14	-0.59	33.24	-11.35	1.79e-03	4.49e-05	2.22e-04
14	15	11.37	0.37	-9.17	1.46e-03	1.11e-03	1.70e-04
14	18	-0.38	22.15	-10.90	1.72e-03	-5.75e-05	1.51e-04
14	19	0.04	-0.03	-10.91	1.72e-03	-5.78e-05	5.78e-06
14	20	0.02	-0.02	-5.52	8.41e-04	4.24e-05	2.79e-06
14	22	-0.38	22.15	-10.90	1.72e-03	-5.75e-05	1.51e-04
14	24	-3.50	-0.05	-15.53	2.45e-03	-9.26e-05	3.02e-06
14	27	0.04	-0.03	-10.91	1.72e-03	-5.78e-05	5.78e-06
14	28	0.05	-0.04	-15.53	2.45e-03	-9.30e-05	8.25e-06
14	39	53.87	11.70	-14.88	2.33e-03	2.09e-03	2.86e-04
14	54	25.28	50.69	-14.30	2.31e-03	1.57e-03	1.24e-03
14	71	42.79	13.85	-14.67	2.31e-03	1.91e-03	2.29e-04
14	86	24.39	38.90	-14.29	2.30e-03	1.57e-03	8.31e-04
15	14	-0.58	33.35	-11.40	1.78e-03	1.12e-04	2.22e-04
15	15	11.37	0.46	-9.82	1.56e-03	1.42e-03	1.79e-04
15	18	-0.38	22.23	-10.90	1.71e-03	3.50e-06	1.50e-04
15	19	0.04	-0.02	-10.90	1.70e-03	3.32e-06	5.30e-06
15	20	0.02	-0.01	-5.56	8.37e-04	8.51e-05	2.69e-06
15	22	-0.38	22.23	-10.90	1.71e-03	3.50e-06	1.50e-04
15	24	-3.50	-0.04	-15.52	2.43e-03	-7.41e-06	2.38e-06
15	27	0.04	-0.02	-10.90	1.70e-03	3.32e-06	5.30e-06
15	28	0.05	-0.03	-15.52	2.43e-03	-7.79e-06	7.54e-06
15	39	53.88	11.77	-16.17	2.35e-03	3.01e-03	2.89e-04
15	46	22.95	51.31	-15.14	2.34e-03	2.20e-03	1.56e-03
15	71	42.79	13.91	-15.84	2.33e-03	2.75e-03	2.33e-04
15	86	24.40	39.26	-15.27	2.32e-03	2.27e-03	8.35e-04
16	13	0.05	33.35	-19.20	2.31e-05	-4.82e-06	2.22e-04
16	14	0.16	33.40	-14.20	7.97e-05	1.16e-04	2.14e-04
16	15	36.98	0.28	-12.30	3.57e-04	0.04	1.49e-03
16	18	0.05	22.23	-13.48	1.62e-05	5.69e-06	1.48e-04
16	20	0.11	-5.18e-03	-6.81	8.36e-06	8.90e-05	1.75e-06

16	21	0.12	0.02	-10.15	5.22e-05	8.59e-05	-2.18e-06
16	22	0.05	22.23	-13.48	1.62e-05	5.69e-06	1.48e-04
16	28	0.05	-0.01	-19.20	2.04e-05	-5.39e-06	4.95e-06
16	39	84.56	11.20	-19.70	5.07e-04	0.04	-3.22e-05
16	46	46.46	53.21	-18.76	-1.84e-05	0.03	2.04e-03
16	71	70.15	13.50	-19.37	4.41e-04	0.04	2.14e-05
16	86	47.60	40.47	-19.01	9.66e-05	0.03	1.09e-03
17	14	-0.91	33.23	-8.32	2.41e-03	3.38e-05	2.25e-04
17	15	11.12	0.36	-6.71	1.96e-03	8.67e-04	1.71e-04
17	18	-0.59	22.14	-7.98	2.33e-03	-4.94e-05	1.53e-04
17	19	0.03	-0.04	-7.98	2.33e-03	-4.96e-05	7.84e-06
17	20	0.01	-0.02	-4.08	1.17e-03	4.16e-05	3.78e-06
17	22	-0.59	22.14	-7.98	2.33e-03	-4.94e-05	1.53e-04
17	24	-3.50	-0.07	-11.37	3.32e-03	-8.04e-05	4.78e-06
17	27	0.03	-0.04	-7.98	2.33e-03	-4.96e-05	7.84e-06
17	28	0.04	-0.06	-11.37	3.32e-03	-8.06e-05	1.12e-05
17	39	53.22	11.69	-10.93	3.17e-03	1.94e-03	3.00e-04
17	54	24.00	50.69	-10.45	3.10e-03	1.41e-03	1.25e-03
17	71	42.32	13.84	-10.76	3.13e-03	1.76e-03	2.42e-04
17	86	23.49	38.90	-10.45	3.08e-03	1.42e-03	8.40e-04
18	6	-2.95e-03	0.14	-0.44	4.15e-03	-1.05e-05	1.73e-05
18	13	-1.56	33.39	-0.44	4.12e-03	-1.04e-05	2.36e-04
18	15	10.59	0.48	-0.29	2.22e-03	4.43e-05	1.83e-04
18	18	-1.04	22.27	-0.31	2.90e-03	-6.75e-06	1.58e-04
18	19	-2.08e-03	0.10	-0.31	2.92e-03	-6.81e-06	1.22e-05
18	20	-1.12e-03	0.05	-0.18	1.49e-03	1.58e-06	6.70e-06
18	22	-1.04	22.27	-0.31	2.90e-03	-6.75e-06	1.58e-04
18	27	-2.08e-03	0.10	-0.31	2.92e-03	-6.81e-06	1.22e-05
18	28	-2.95e-03	0.14	-0.44	4.15e-03	-1.05e-05	1.73e-05
18	38	46.07	29.86	-0.49	3.67e-03	1.52e-04	8.81e-04
18	39	51.98	11.88	-0.48	3.72e-03	1.44e-04	3.05e-04
18	54	21.13	50.88	-0.47	3.54e-03	1.21e-04	1.27e-03
18	70	37.49	25.49	-0.48	3.63e-03	1.34e-04	6.14e-04
18	71	41.38	14.02	-0.47	3.67e-03	1.29e-04	2.50e-04
18	86	21.49	39.08	-0.46	3.55e-03	1.15e-04	8.58e-04
19	6	1.62e-04	0.11	-0.40	4.14e-03	-2.97e-05	1.17e-05
19	13	-1.56	33.02	-0.40	4.11e-03	-2.96e-05	2.32e-04
19	15	10.59	0.19	-0.19	2.01e-03	1.42e-05	1.77e-04
19	18	-1.04	22.01	-0.28	2.89e-03	-2.06e-05	1.55e-04
19	19	1.12e-04	0.08	-0.28	2.91e-03	-2.07e-05	8.24e-06
19	20	3.79e-05	0.04	-0.16	1.48e-03	-8.89e-06	4.40e-06
19	22	-1.04	22.01	-0.28	2.89e-03	-2.06e-05	1.55e-04
19	27	1.12e-04	0.08	-0.28	2.91e-03	-2.07e-05	8.24e-06
19	28	1.62e-04	0.11	-0.40	4.14e-03	-2.97e-05	1.17e-05
19	39	51.98	11.71	-0.26	3.26e-03	4.04e-05	2.89e-04
19	40	-6.03	23.59	-0.28	3.27e-03	8.86e-06	2.11e-05
19	54	21.11	49.22	-0.28	3.26e-03	3.15e-05	1.26e-03
19	71	41.38	13.85	-0.27	3.27e-03	3.45e-05	2.36e-04
19	72	4.57	21.46	-0.28	3.27e-03	1.47e-05	7.41e-05
19	86	21.48	37.98	-0.28	3.27e-03	2.89e-05	8.46e-04
20	13	-1.56	32.65	-0.38	4.12e-03	-4.27e-05	2.26e-04
20	15	10.59	-0.08	-0.16	1.82e-03	-3.54e-06	1.72e-04
20	18	-1.04	21.77	-0.27	2.90e-03	-3.03e-05	1.51e-04
20	20	9.58e-04	0.03	-0.16	1.48e-03	-1.77e-05	1.85e-06
20	22	-1.04	21.77	-0.27	2.90e-03	-3.03e-05	1.51e-04
20	28	2.63e-03	0.10	-0.38	4.15e-03	-4.29e-05	5.97e-06
20	39	51.96	6.82	-0.22	3.02e-03	-1.72e-05	2.83e-04
20	41	-0.10	11.72	-0.25	3.10e-03	-2.12e-05	-5.60e-04
20	56	10.98	47.76	-0.24	3.06e-03	-1.90e-05	3.35e-04
20	71	41.37	10.63	-0.23	3.03e-03	-1.79e-05	2.30e-04
20	73	8.47	13.78	-0.25	3.08e-03	-2.04e-05	-2.96e-04
20	88	15.27	37.01	-0.24	3.06e-03	-1.90e-05	2.86e-04
21	13	-1.57	32.29	-0.38	4.14e-03	-4.88e-05	2.24e-04
21	15	10.58	-0.36	-0.14	1.68e-03	-3.12e-06	1.74e-04
21	18	-1.04	21.53	-0.27	2.91e-03	-3.48e-05	1.50e-04
21	20	1.36e-03	0.03	-0.16	1.50e-03	-2.18e-05	1.61e-06
21	22	-1.04	21.53	-0.27	2.91e-03	-3.48e-05	1.50e-04
21	24	-3.51	0.10	-0.38	4.17e-03	-4.93e-05	0.0
21	28	3.66e-03	0.09	-0.38	4.17e-03	-4.90e-05	5.85e-06
21	39	51.95	7.00	-0.20	2.83e-03	-1.78e-05	2.93e-04
21	40	-6.02	27.35	-0.24	2.99e-03	-2.55e-05	1.08e-05
21	56	10.97	46.53	-0.22	2.92e-03	-2.39e-05	3.37e-04
21	71	41.36	10.62	-0.21	2.86e-03	-1.92e-05	2.37e-04
21	72	4.57	23.73	-0.23	2.96e-03	-2.41e-05	6.64e-05
21	88	15.27	36.17	-0.22	2.91e-03	-2.30e-05	2.88e-04
22	14	-0.90	33.35	-8.36	2.41e-03	1.05e-04	2.25e-04
22	15	11.12	0.46	-7.20	2.06e-03	1.03e-03	1.79e-04



22	18	-0.59	22.22	-7.98	2.32e-03	1.43e-05	1.53e-04
22	19	0.03	-0.03	-7.99	2.32e-03	1.44e-05	7.79e-06
22	20	0.01	-0.01	-4.12	1.16e-03	8.52e-05	3.89e-06
22	22	-0.59	22.22	-7.98	2.32e-03	1.43e-05	1.53e-04
22	24	-3.50	-0.05	-11.36	3.30e-03	8.99e-06	4.65e-06
22	27	0.03	-0.03	-7.99	2.32e-03	1.44e-05	7.79e-06
22	28	0.04	-0.04	-11.36	3.30e-03	8.80e-06	1.11e-05
22	39	53.23	11.77	-12.15	3.23e-03	2.90e-03	3.04e-04
22	46	21.54	51.32	-11.23	3.10e-03	2.05e-03	1.57e-03
22	71	42.32	13.92	-11.87	3.18e-03	2.64e-03	2.46e-04
22	86	23.50	39.27	-11.35	3.14e-03	2.14e-03	8.44e-04
23	6	0.02	-0.07	-6.17	3.87e-03	-5.67e-05	1.66e-05
23	14	-1.23	33.22	-4.53	2.83e-03	3.00e-05	2.28e-04
23	15	10.86	0.36	-3.66	2.28e-03	6.29e-04	1.69e-04
23	18	-0.82	22.13	-4.34	2.72e-03	-3.32e-05	1.57e-04
23	19	0.02	-0.05	-4.34	2.72e-03	-3.39e-05	1.16e-05
23	20	8.08e-03	-0.02	-2.24	1.38e-03	3.84e-05	4.78e-06
23	22	-0.82	22.13	-4.34	2.72e-03	-3.32e-05	1.57e-04
23	27	0.02	-0.05	-4.34	2.72e-03	-3.39e-05	1.16e-05
23	28	0.02	-0.07	-6.17	3.87e-03	-5.67e-05	1.66e-05
23	39	52.60	11.69	-5.98	3.72e-03	1.63e-03	2.93e-04
23	54	22.62	50.70	-5.69	3.55e-03	1.18e-03	1.25e-03
23	71	41.86	13.84	-5.88	3.66e-03	1.49e-03	2.35e-04
23	86	22.53	38.90	-5.69	3.55e-03	1.20e-03	8.37e-04
24	6	0.05	-1.16e-03	-19.67	5.95e-06	-3.54e-05	0.0
24	14	0.03	32.22	-14.08	1.03e-04	1.82e-05	2.18e-04
24	15	11.79	-0.38	-6.79	1.04e-05	8.46e-04	1.57e-04
24	18	0.03	21.47	-13.81	4.89e-06	-2.97e-05	1.46e-04
24	19	0.04	-8.23e-04	-13.81	3.99e-06	-3.01e-05	0.0
24	20	0.02	-4.70e-04	-6.95	0.0	-6.50e-05	0.0
24	22	0.03	21.47	-13.81	4.89e-06	-2.97e-05	1.46e-04
24	27	0.04	-8.23e-04	-13.81	3.99e-06	-3.01e-05	0.0
24	28	0.05	-1.16e-03	-19.67	5.95e-06	-3.54e-05	0.0
24	39	55.18	7.00	-12.26	6.82e-05	1.11e-03	2.44e-04
24	40	-7.20	27.31	-13.27	6.63e-05	7.47e-04	8.91e-06
24	56	11.04	46.50	-12.98	6.78e-05	9.11e-04	3.16e-04
24	71	43.68	10.62	-12.45	6.79e-05	1.04e-03	1.97e-04
24	72	4.30	23.69	-13.08	6.67e-05	8.13e-04	5.59e-05
24	88	16.00	36.15	-12.90	6.76e-05	9.18e-04	2.66e-04
25	6	0.06	-4.92e-04	-19.64	1.25e-05	-5.07e-05	0.0
25	14	0.03	32.57	-14.12	1.26e-04	2.55e-05	2.19e-04
25	15	11.79	-0.13	-8.16	2.40e-05	9.02e-04	1.57e-04
25	18	0.04	21.71	-13.78	9.63e-06	-3.81e-05	1.46e-04
25	19	0.04	-3.48e-04	-13.78	8.69e-06	-3.86e-05	0.0
25	20	0.02	-1.94e-04	-6.85	3.88e-06	-4.78e-05	0.0
25	22	0.04	21.71	-13.78	9.63e-06	-3.81e-05	1.46e-04
25	27	0.04	-3.48e-04	-13.78	8.69e-06	-3.86e-05	0.0
25	28	0.06	-4.92e-04	-19.64	1.25e-05	-5.07e-05	0.0
25	39	55.19	6.78	-14.10	9.35e-05	1.18e-03	2.44e-04
25	44	-6.51	28.25	-14.49	8.90e-05	8.06e-04	-8.41e-05
25	56	11.04	47.69	-14.38	9.38e-05	9.62e-04	3.17e-04
25	71	43.69	10.58	-14.17	9.27e-05	1.11e-03	1.97e-04
25	76	4.73	24.39	-14.41	8.99e-05	8.70e-04	-1.35e-06
25	88	16.00	36.95	-14.34	9.31e-05	9.70e-04	2.66e-04
26	13	0.06	32.91	-19.49	1.79e-05	-1.27e-04	2.19e-04
26	14	0.04	32.92	-14.16	1.25e-04	8.25e-06	2.19e-04
26	15	11.79	0.12	-9.68	4.12e-05	1.02e-03	1.58e-04
26	18	0.04	21.94	-13.68	1.26e-05	-8.73e-05	1.46e-04
26	19	0.04	-4.33e-05	-13.68	1.15e-05	-8.78e-05	0.0
26	20	0.02	-1.48e-05	-6.79	6.24e-06	-2.43e-05	0.0
26	22	0.04	21.94	-13.68	1.26e-05	-8.73e-05	1.46e-04
26	27	0.04	-4.33e-05	-13.68	1.15e-05	-8.78e-05	0.0
26	28	0.06	-6.27e-05	-19.49	1.64e-05	-1.28e-04	0.0
26	39	55.20	11.62	-16.06	1.13e-04	1.36e-03	2.44e-04
26	54	27.32	49.12	-15.98	1.15e-04	1.20e-03	1.23e-03
26	71	43.70	13.76	-16.01	1.12e-04	1.27e-03	1.97e-04
26	86	25.83	37.88	-15.95	1.13e-04	1.16e-03	8.14e-04
27	13	0.07	33.27	-19.24	2.20e-05	-1.55e-04	2.18e-04
27	14	0.04	33.27	-14.16	1.11e-04	1.59e-06	2.18e-04
27	15	11.80	0.38	-11.43	7.29e-05	1.13e-03	1.57e-04
27	18	0.05	22.18	-13.50	1.55e-05	-1.04e-04	1.45e-04
27	19	0.05	2.70e-04	-13.50	1.43e-05	-1.05e-04	0.0
27	20	0.02	1.63e-04	-6.77	8.07e-06	-6.78e-06	0.0
27	22	0.05	22.18	-13.50	1.55e-05	-1.04e-04	1.45e-04
27	27	0.05	2.70e-04	-13.50	1.43e-05	-1.05e-04	0.0
27	28	0.07	3.81e-04	-19.24	2.03e-05	-1.56e-04	0.0
27	38	55.21	29.68	-18.36	1.20e-04	1.52e-03	8.18e-04

27	39	50.93	11.71	-18.47	9.95e-05	1.58e-03	2.45e-04
27	54	36.97	50.70	-18.07	1.54e-04	1.38e-03	1.22e-03
27	70	43.70	25.33	-18.16	1.18e-04	1.42e-03	5.60e-04
27	71	40.98	13.87	-18.23	1.04e-04	1.46e-03	1.98e-04
27	86	32.00	38.92	-17.98	1.39e-04	1.33e-03	8.13e-04
28	6	0.02	-0.04	-6.21	3.77e-03	8.79e-05	1.43e-05
28	14	-1.23	33.34	-4.60	2.76e-03	1.44e-04	2.28e-04
28	15	10.86	0.47	-4.01	2.34e-03	7.84e-04	1.82e-04
28	18	-0.81	22.22	-4.37	2.65e-03	6.88e-05	1.55e-04
28	19	0.02	-0.03	-4.37	2.65e-03	6.91e-05	1.00e-05
28	20	8.24e-03	-0.02	-2.29	1.35e-03	1.05e-04	5.09e-06
28	22	-0.81	22.22	-4.37	2.65e-03	6.88e-05	1.55e-04
28	27	0.02	-0.03	-4.37	2.65e-03	6.91e-05	1.00e-05
28	28	0.02	-0.04	-6.21	3.77e-03	8.79e-05	1.43e-05
28	39	52.61	11.78	-7.09	3.78e-03	2.79e-03	3.19e-04
28	46	19.95	51.34	-6.41	3.52e-03	1.97e-03	1.58e-03
28	71	41.86	13.92	-6.89	3.71e-03	2.54e-03	2.59e-04
28	86	22.54	39.28	-6.50	3.57e-03	2.06e-03	8.58e-04
29	6	0.05	-0.03	-18.52	1.33e-03	-1.52e-04	2.30e-06
29	14	-0.28	32.90	-13.35	9.95e-04	-7.83e-06	2.19e-04
29	15	11.61	0.11	-9.15	7.00e-04	8.66e-04	1.62e-04
29	18	-0.17	21.92	-12.99	9.31e-04	-1.04e-04	1.46e-04
29	19	0.04	-0.02	-12.99	9.30e-04	-1.05e-04	1.64e-06
29	20	0.02	-0.01	-6.46	4.49e-04	-3.31e-05	1.03e-06
29	22	-0.17	21.92	-12.99	9.31e-04	-1.04e-04	1.46e-04
29	27	0.04	-0.02	-12.99	9.30e-04	-1.05e-04	1.64e-06
29	28	0.05	-0.03	-18.52	1.33e-03	-1.52e-04	2.30e-06
29	31	51.11	17.23	-15.09	1.22e-03	1.10e-03	1.37e-03
29	39	54.54	11.60	-15.08	1.23e-03	1.11e-03	2.60e-04
29	54	26.40	49.09	-15.02	1.21e-03	9.24e-04	1.23e-03
29	71	43.25	13.73	-15.04	1.22e-03	1.04e-03	2.08e-04
29	86	25.18	37.86	-15.00	1.21e-03	9.17e-04	8.16e-04
30	6	0.05	-0.06	-15.76	2.48e-03	-1.52e-04	7.71e-06
30	14	-0.59	32.88	-11.35	1.78e-03	-1.97e-05	2.22e-04
30	15	11.36	0.10	-7.75	1.25e-03	7.13e-04	1.69e-04
30	18	-0.38	21.90	-11.06	1.74e-03	-1.04e-04	1.50e-04
30	19	0.03	-0.04	-11.06	1.73e-03	-1.05e-04	5.40e-06
30	20	0.02	-0.02	-5.53	8.47e-04	-3.44e-05	2.61e-06
30	22	-0.38	21.90	-11.06	1.74e-03	-1.04e-04	1.50e-04
30	27	0.03	-0.04	-11.06	1.73e-03	-1.05e-04	5.40e-06
30	28	0.05	-0.06	-15.76	2.48e-03	-1.52e-04	7.71e-06
30	31	48.94	17.22	-12.67	2.12e-03	8.65e-04	1.38e-03
30	39	53.85	11.58	-12.66	2.13e-03	8.75e-04	2.80e-04
30	54	25.26	49.08	-12.63	2.10e-03	7.26e-04	1.24e-03
30	63	39.08	17.19	-12.64	2.11e-03	8.09e-04	8.81e-04
30	71	42.77	13.71	-12.63	2.11e-03	8.19e-04	2.24e-04
30	86	24.37	37.84	-12.61	2.10e-03	7.22e-04	8.28e-04
31	6	0.04	-0.08	-11.54	3.37e-03	-1.35e-04	1.08e-05
31	14	-0.91	32.86	-8.32	2.42e-03	-3.05e-05	2.24e-04
31	15	11.11	0.10	-5.65	1.67e-03	5.22e-04	1.71e-04
31	18	-0.60	21.89	-8.10	2.36e-03	-9.30e-05	1.53e-04
31	19	0.02	-0.06	-8.10	2.36e-03	-9.33e-05	7.58e-06
31	20	0.01	-0.03	-4.07	1.17e-03	-3.33e-05	3.63e-06
31	22	-0.60	21.89	-8.10	2.36e-03	-9.30e-05	1.53e-04
31	27	0.02	-0.06	-8.10	2.36e-03	-9.33e-05	7.58e-06
31	28	0.04	-0.08	-11.54	3.37e-03	-1.35e-04	1.08e-05
31	31	46.84	17.21	-9.16	2.76e-03	5.80e-04	1.39e-03
31	39	53.20	11.56	-9.11	2.76e-03	5.74e-04	2.92e-04
31	54	23.98	49.07	-9.13	2.75e-03	4.96e-04	1.25e-03
31	63	37.77	17.18	-9.14	2.75e-03	5.46e-04	8.90e-04
31	71	42.30	13.70	-9.11	2.75e-03	5.44e-04	2.35e-04
31	86	23.47	37.83	-9.12	2.74e-03	4.94e-04	8.36e-04
32	6	0.02	-0.09	-6.25	3.95e-03	-1.13e-04	1.49e-05
32	14	-1.24	32.85	-4.52	2.84e-03	-4.02e-05	2.27e-04
32	15	10.85	0.09	-3.05	1.93e-03	3.17e-04	1.73e-04
32	18	-0.82	21.88	-4.39	2.77e-03	-7.84e-05	1.56e-04
32	19	0.01	-0.06	-4.39	2.77e-03	-7.87e-05	1.04e-05
32	20	6.66e-03	-0.03	-2.22	1.39e-03	-3.23e-05	5.08e-06
32	22	-0.82	21.88	-4.39	2.77e-03	-7.84e-05	1.56e-04
32	27	0.01	-0.06	-4.39	2.77e-03	-7.87e-05	1.04e-05
32	28	0.02	-0.09	-6.25	3.95e-03	-1.13e-04	1.49e-05
32	33	7.03	0.66	-4.90	3.12e-03	2.36e-04	-1.67e-03
32	39	52.58	11.56	-4.87	3.13e-03	2.44e-04	3.11e-04
32	54	22.59	49.06	-4.88	3.14e-03	2.73e-04	1.26e-03
32	71	41.84	13.69	-4.87	3.13e-03	2.48e-04	2.51e-04
32	81	25.68	-2.28	-4.89	3.13e-03	2.59e-04	-7.24e-04
32	86	22.50	37.82	-4.88	3.13e-03	2.67e-04	8.48e-04

33	6	0.05	-0.04	-18.66	1.34e-03	-2.30e-05	5.96e-06
33	14	-0.28	32.54	-13.31	1.00e-03	3.06e-05	2.21e-04
33	15	11.60	-0.14	-7.74	5.62e-04	8.12e-04	1.63e-04
33	18	-0.18	21.68	-13.09	9.42e-04	-1.92e-05	1.49e-04
33	19	0.03	-0.03	-13.09	9.41e-04	-1.97e-05	4.13e-06
33	20	0.02	-0.01	-6.52	4.51e-04	-4.40e-05	1.59e-06
33	22	-0.18	21.68	-13.09	9.42e-04	-1.92e-05	1.49e-04
33	27	0.03	-0.03	-13.09	9.41e-04	-1.97e-05	4.13e-06
33	28	0.05	-0.04	-18.66	1.34e-03	-2.30e-05	5.96e-06
33	39	54.52	6.75	-13.30	1.02e-03	1.07e-03	2.64e-04
33	44	-6.13	28.22	-13.67	1.05e-03	7.16e-04	-9.47e-05
33	56	11.36	47.66	-13.57	1.04e-03	8.60e-04	3.16e-04
33	71	43.24	10.55	-13.37	1.02e-03	9.98e-04	2.11e-04
33	76	4.91	24.36	-13.60	1.04e-03	7.76e-04	-6.35e-06
33	88	16.08	36.92	-13.53	1.04e-03	8.69e-04	2.67e-04
34	6	0.04	-0.07	-15.87	2.50e-03	-2.43e-05	6.44e-06
34	14	-0.60	32.52	-11.30	1.78e-03	2.54e-05	2.22e-04
34	15	11.36	-0.16	-6.60	1.03e-03	6.67e-04	1.67e-04
34	18	-0.39	21.66	-11.13	1.75e-03	-2.01e-05	1.50e-04
34	19	0.03	-0.05	-11.14	1.75e-03	-2.04e-05	4.54e-06
34	20	0.01	-0.02	-5.58	8.54e-04	-4.23e-05	2.45e-06
34	22	-0.39	21.66	-11.13	1.75e-03	-2.01e-05	1.50e-04
34	27	0.03	-0.05	-11.14	1.75e-03	-2.04e-05	4.54e-06
34	28	0.04	-0.07	-15.87	2.50e-03	-2.43e-05	6.44e-06
34	39	53.83	6.72	-11.26	1.81e-03	8.49e-04	2.80e-04
34	44	-5.82	28.19	-11.57	1.86e-03	5.81e-04	-9.56e-05
34	56	11.46	47.64	-11.48	1.85e-03	6.89e-04	3.22e-04
34	71	42.75	10.52	-11.31	1.82e-03	7.97e-04	2.24e-04
34	76	5.00	24.34	-11.51	1.86e-03	6.27e-04	-4.20e-06
34	88	16.01	36.89	-11.45	1.85e-03	6.97e-04	2.74e-04
35	6	0.03	-0.09	-11.60	3.40e-03	-3.03e-05	8.91e-06
35	14	-0.92	32.50	-8.27	2.41e-03	1.49e-05	2.24e-04
35	15	11.11	-0.17	-4.84	1.41e-03	4.83e-04	1.71e-04
35	18	-0.61	21.65	-8.14	2.38e-03	-2.38e-05	1.51e-04
35	19	0.02	-0.06	-8.14	2.38e-03	-2.40e-05	6.29e-06
35	20	0.01	-0.03	-4.11	1.18e-03	-3.77e-05	3.47e-06
35	22	-0.61	21.65	-8.14	2.38e-03	-2.38e-05	1.51e-04
35	27	0.02	-0.06	-8.14	2.38e-03	-2.40e-05	6.29e-06
35	28	0.03	-0.09	-11.60	3.40e-03	-3.03e-05	8.91e-06
35	39	53.18	6.70	-8.20	2.42e-03	5.96e-04	2.96e-04
35	41	-1.37	11.59	-8.42	2.49e-03	4.17e-04	-5.73e-04
35	56	11.41	47.63	-8.36	2.48e-03	4.87e-04	3.29e-04
35	71	42.28	10.50	-8.23	2.44e-03	5.60e-04	2.38e-04
35	76	5.07	24.32	-8.38	2.48e-03	4.45e-04	0.0
35	88	15.84	36.88	-8.34	2.47e-03	4.92e-04	2.81e-04
36	6	0.02	-0.11	-6.27	3.97e-03	-3.41e-05	1.03e-05
36	14	-1.24	32.49	-4.49	2.83e-03	2.12e-06	2.24e-04
36	15	10.85	-0.17	-2.62	1.66e-03	3.03e-04	1.72e-04
36	18	-0.83	21.63	-4.40	2.79e-03	-2.58e-05	1.52e-04
36	19	0.01	-0.07	-4.41	2.79e-03	-2.57e-05	7.27e-06
36	20	5.66e-03	-0.04	-2.24	1.40e-03	-2.96e-05	4.17e-06
36	22	-0.83	21.63	-4.40	2.79e-03	-2.58e-05	1.52e-04
36	27	0.01	-0.07	-4.41	2.79e-03	-2.57e-05	7.27e-06
36	28	0.02	-0.11	-6.27	3.97e-03	-3.41e-05	1.03e-05
36	39	52.56	6.68	-4.41	2.82e-03	3.78e-04	3.09e-04
36	41	-0.75	11.57	-4.53	2.89e-03	2.43e-04	-5.70e-04
36	56	11.25	47.61	-4.49	2.87e-03	2.72e-04	3.36e-04
36	71	41.82	10.49	-4.43	2.84e-03	3.51e-04	2.48e-04
36	73	8.14	13.64	-4.51	2.88e-03	2.65e-04	-3.00e-04
36	88	15.59	36.86	-4.48	2.87e-03	2.83e-04	2.89e-04
37	6	0.04	-0.04	-18.69	1.34e-03	-1.75e-04	2.79e-06
37	14	-0.29	32.19	-13.29	9.82e-04	-7.43e-05	2.19e-04
37	15	11.59	-0.40	-6.47	4.37e-04	6.99e-04	1.61e-04
37	18	-0.18	21.45	-13.12	9.35e-04	-1.27e-04	1.47e-04
37	19	0.03	-0.03	-13.12	9.35e-04	-1.28e-04	1.89e-06
37	20	0.01	-0.01	-6.62	4.46e-04	-1.12e-04	0.0
37	22	-0.18	21.45	-13.12	9.35e-04	-1.27e-04	1.47e-04
37	27	0.03	-0.03	-13.12	9.35e-04	-1.28e-04	1.89e-06
37	28	0.04	-0.04	-18.69	1.34e-03	-1.75e-04	2.79e-06
37	39	54.50	6.96	-11.60	8.52e-04	8.87e-04	2.63e-04
37	40	-6.82	27.28	-12.55	9.28e-04	5.67e-04	-2.43e-06
37	56	11.35	46.46	-12.28	9.06e-04	7.12e-04	3.16e-04
37	71	43.22	10.58	-11.78	8.66e-04	8.28e-04	2.10e-04
37	72	4.46	23.66	-12.38	9.14e-04	6.25e-04	5.00e-05
37	88	16.07	36.11	-12.20	9.00e-04	7.18e-04	2.67e-04
38	6	0.03	-0.07	-15.91	2.49e-03	-1.88e-04	6.39e-06
38	14	-0.61	32.16	-11.30	1.77e-03	-1.16e-04	2.22e-04

38	15	11.35	-0.42	-5.56	8.40e-04	5.47e-04	1.66e-04
38	18	-0.40	21.42	-11.17	1.75e-03	-1.38e-04	1.50e-04
38	19	0.02	-0.05	-11.18	1.75e-03	-1.38e-04	4.46e-06
38	20	0.01	-0.03	-5.68	8.57e-04	-1.29e-04	2.00e-06
38	22	-0.40	21.42	-11.17	1.75e-03	-1.38e-04	1.50e-04
38	27	0.02	-0.05	-11.18	1.75e-03	-1.38e-04	4.46e-06
38	28	0.03	-0.07	-15.91	2.49e-03	-1.88e-04	6.39e-06
38	39	53.82	6.92	-9.87	1.56e-03	7.12e-04	2.81e-04
38	40	-6.53	27.25	-10.67	1.69e-03	4.23e-04	-2.13e-06
38	56	11.45	46.43	-10.44	1.65e-03	5.54e-04	3.23e-04
38	71	42.74	10.54	-10.02	1.58e-03	6.59e-04	2.25e-04
38	72	4.54	23.63	-10.52	1.66e-03	4.76e-04	5.36e-05
38	88	16.00	36.08	-10.37	1.64e-03	5.60e-04	2.75e-04
39	6	0.02	-0.10	-11.65	3.40e-03	-1.81e-04	7.68e-06
39	14	-0.93	32.14	-8.28	2.41e-03	-1.29e-04	2.23e-04
39	15	11.10	-0.43	-4.11	1.18e-03	3.86e-04	1.71e-04
39	18	-0.61	21.41	-8.18	2.39e-03	-1.33e-04	1.51e-04
39	19	0.02	-0.07	-8.18	2.39e-03	-1.33e-04	5.41e-06
39	20	8.93e-03	-0.03	-4.19	1.20e-03	-1.25e-04	2.93e-06
39	22	-0.61	21.41	-8.18	2.39e-03	-1.33e-04	1.51e-04
39	27	0.02	-0.07	-8.18	2.39e-03	-1.33e-04	5.41e-06
39	28	0.02	-0.10	-11.65	3.40e-03	-1.81e-04	7.68e-06
39	39	53.17	6.89	-7.22	2.12e-03	5.03e-04	2.95e-04
39	40	-6.31	27.23	-7.80	2.28e-03	2.89e-04	0.0
39	56	11.41	46.41	-7.63	2.24e-03	3.85e-04	3.30e-04
39	71	42.27	10.51	-7.33	2.15e-03	4.63e-04	2.37e-04
39	72	4.58	23.61	-7.69	2.25e-03	3.28e-04	5.83e-05
39	88	15.83	36.06	-7.58	2.22e-03	3.90e-04	2.82e-04
40	6	0.01	-0.12	-6.30	3.99e-03	-1.63e-04	1.07e-05
40	14	-1.25	32.13	-4.49	2.83e-03	-1.24e-04	2.25e-04
40	15	10.84	-0.44	-2.24	1.41e-03	2.42e-04	1.73e-04
40	18	-0.83	21.39	-4.43	2.80e-03	-1.20e-04	1.52e-04
40	19	9.31e-03	-0.08	-4.43	2.80e-03	-1.20e-04	7.62e-06
40	20	4.59e-03	-0.04	-2.29	1.43e-03	-1.08e-04	4.87e-06
40	22	-0.83	21.39	-4.43	2.80e-03	-1.20e-04	1.52e-04
40	27	9.31e-03	-0.08	-4.43	2.80e-03	-1.20e-04	7.62e-06
40	28	0.01	-0.12	-6.30	3.99e-03	-1.63e-04	1.07e-05
40	39	52.55	6.87	-3.90	2.49e-03	2.77e-04	3.10e-04
40	40	-6.15	27.22	-4.21	2.68e-03	2.03e-04	1.49e-06
40	56	11.24	46.39	-4.12	2.62e-03	2.35e-04	3.36e-04
40	71	41.81	10.49	-3.96	2.52e-03	2.63e-04	2.49e-04
40	72	4.59	23.59	-4.15	2.64e-03	2.17e-04	6.18e-05
40	88	15.58	36.04	-4.09	2.61e-03	2.37e-04	2.89e-04
41	13	0.68	33.30	-15.60	-2.43e-03	-4.00e-05	2.09e-04
41	15	12.29	0.38	-9.40	-1.41e-03	1.34e-03	1.42e-04
41	18	0.46	22.20	-10.96	-1.70e-03	-2.06e-05	1.39e-04
41	20	0.02	0.01	-5.55	-8.32e-04	6.09e-05	-2.76e-06
41	22	0.46	22.20	-10.96	-1.70e-03	-2.06e-05	1.39e-04
41	28	0.05	0.04	-15.60	-2.43e-03	-4.08e-05	-8.19e-06
41	30	58.05	36.44	-15.25	-2.20e-03	2.11e-03	1.89e-03
41	38	56.88	29.67	-15.27	-2.21e-03	2.06e-03	7.74e-04
41	54	38.82	50.70	-14.99	-2.16e-03	1.84e-03	1.20e-03
41	70	44.86	25.33	-15.07	-2.20e-03	1.90e-03	5.26e-04
41	86	33.18	38.92	-14.88	-2.16e-03	1.76e-03	7.93e-04
42	14	-1.57	31.94	-0.40	2.94e-03	-2.00e-04	0.0
42	15	10.58	-0.59	-0.13	1.44e-03	1.17e-05	0.0
42	18	-1.05	21.27	-0.36	2.91e-03	-1.70e-04	0.0
42	19	2.13e-03	-0.08	-0.36	2.92e-03	-1.73e-04	0.0
42	20	9.68e-04	-0.04	-0.24	1.49e-03	-1.37e-04	0.0
42	22	-1.05	21.27	-0.36	2.91e-03	-1.70e-04	0.0
42	24	-3.52	-0.10	-0.51	4.15e-03	-2.38e-04	0.0
42	27	2.13e-03	-0.08	-0.36	2.92e-03	-1.73e-04	0.0
42	28	3.04e-03	-0.12	-0.51	4.15e-03	-2.38e-04	0.0
42	39	51.95	6.86	-0.20	2.54e-03	7.98e-06	0.0
42	40	-6.02	26.94	-0.25	2.77e-03	-4.46e-05	0.0
42	56	10.97	45.84	-0.23	2.67e-03	-2.19e-05	0.0
42	71	41.36	10.42	-0.21	2.58e-03	-1.73e-06	0.0
42	72	4.57	23.38	-0.24	2.73e-03	-3.49e-05	0.0
42	88	15.27	35.65	-0.23	2.66e-03	-2.04e-05	0.0
43	13	1.54	32.14	-0.92	-4.17e-03	-9.43e-05	0.0
43	14	1.54	32.12	-1.18	-3.07e-03	-5.77e-04	0.0
43	15	12.82	-0.40	-0.28	-1.46e-03	7.59e-05	0.0
43	18	1.03	21.43	-0.65	-2.93e-03	-7.01e-05	0.0
43	20	2.40e-03	0.04	-0.38	-1.50e-03	-7.21e-05	0.0
43	21	4.17e-03	0.06	-0.82	-2.19e-03	-3.90e-04	0.0
43	22	1.03	21.43	-0.65	-2.93e-03	-7.01e-05	0.0
43	28	6.91e-03	0.12	-0.91	-4.17e-03	-9.08e-05	0.0

43	30	65.05	17.45	-0.74	-2.65e-03	-1.66e-04	0.0
43	40	-3.97	27.17	-0.81	-2.85e-03	-2.16e-04	0.0
43	56	19.88	46.12	-0.79	-2.78e-03	-1.84e-04	0.0
43	62	49.02	17.24	-0.75	-2.68e-03	-1.73e-04	0.0
43	72	6.59	23.63	-0.80	-2.81e-03	-2.04e-04	0.0
43	88	21.90	35.93	-0.78	-2.76e-03	-1.83e-04	0.0
44	6	0.04	-2.57e-03	-20.00	1.69e-05	-6.04e-04	0.0
44	14	0.02	32.05	-14.17	1.07e-04	-1.84e-04	0.0
44	15	11.82	-0.49	-6.24	8.53e-06	7.01e-04	0.0
44	18	0.02	21.36	-14.04	1.25e-05	-4.20e-04	0.0
44	19	0.03	-1.80e-03	-14.04	1.17e-05	-4.21e-04	0.0
44	20	0.02	-8.67e-04	-7.05	3.68e-06	-1.77e-04	0.0
44	22	0.02	21.36	-14.04	1.25e-05	-4.20e-04	0.0
44	27	0.03	-1.80e-03	-14.04	1.17e-05	-4.21e-04	0.0
44	28	0.04	-2.57e-03	-20.00	1.69e-05	-6.04e-04	0.0
44	39	55.22	7.04	-11.65	6.57e-05	7.25e-04	0.0
44	40	-7.16	27.08	-12.92	6.70e-05	3.81e-04	0.0
44	56	11.09	46.03	-12.55	6.77e-05	5.37e-04	0.0
44	71	43.72	10.60	-11.88	6.60e-05	6.62e-04	0.0
44	72	4.34	23.52	-12.68	6.68e-05	4.44e-04	0.0
44	88	16.04	35.82	-12.45	6.73e-05	5.44e-04	0.0
45	13	1.24	32.14	-6.79	-3.98e-03	-1.51e-04	0.0
45	15	12.63	-0.41	-2.21	-1.28e-03	2.17e-04	0.0
45	18	0.83	21.43	-4.77	-2.79e-03	-1.12e-04	0.0
45	20	5.82e-03	0.04	-2.50	-1.43e-03	-1.11e-04	0.0
45	22	0.83	21.43	-4.77	-2.79e-03	-1.12e-04	0.0
45	28	0.02	0.11	-6.78	-3.98e-03	-1.49e-04	0.0
45	30	62.62	17.44	-4.39	-2.39e-03	5.88e-06	0.0
45	40	-3.85	27.16	-4.75	-2.60e-03	-9.18e-05	0.0
45	56	19.82	46.12	-4.63	-2.53e-03	-3.44e-05	0.0
45	62	47.52	17.23	-4.45	-2.43e-03	-8.93e-06	0.0
45	72	6.62	23.62	-4.67	-2.56e-03	-6.98e-05	0.0
45	88	21.81	35.93	-4.59	-2.51e-03	-3.28e-05	0.0
46	13	0.94	32.13	-12.06	-3.37e-03	-2.22e-04	0.0
46	15	12.44	-0.42	-3.91	-1.08e-03	3.86e-04	0.0
46	18	0.63	21.42	-8.48	-2.37e-03	-1.63e-04	0.0
46	20	9.42e-03	0.03	-4.38	-1.19e-03	-1.52e-04	0.0
46	22	0.63	21.42	-8.48	-2.37e-03	-1.63e-04	0.0
46	28	0.03	0.10	-12.06	-3.37e-03	-2.23e-04	0.0
46	30	60.21	17.42	-7.47	-1.99e-03	3.68e-04	0.0
46	40	-3.70	27.15	-8.12	-2.18e-03	1.86e-04	0.0
46	56	19.85	46.11	-7.90	-2.08e-03	2.86e-04	0.0
46	62	46.03	17.21	-7.58	-2.02e-03	3.39e-04	0.0
46	72	6.68	23.60	-7.98	-2.14e-03	2.26e-04	0.0
46	88	21.78	35.91	-7.84	-2.08e-03	2.90e-04	0.0
47	13	0.68	33.40	-15.59	-2.41e-03	4.41e-05	2.10e-04
47	15	12.29	0.45	-10.20	-1.50e-03	1.88e-03	1.35e-04
47	18	0.46	22.26	-10.95	-1.69e-03	3.97e-05	1.40e-04
47	20	0.02	0.01	-5.59	-8.28e-04	1.03e-04	-2.59e-06
47	22	0.46	22.26	-10.95	-1.69e-03	3.97e-05	1.40e-04
47	28	0.06	0.03	-15.58	-2.41e-03	4.33e-05	-7.27e-06
47	30	58.07	37.14	-16.51	-2.21e-03	3.02e-03	1.89e-03
47	46	41.48	51.26	-16.11	-2.15e-03	2.68e-03	1.51e-03
47	70	44.87	25.52	-16.20	-2.21e-03	2.72e-03	5.23e-04
47	86	33.19	39.24	-15.93	-2.17e-03	2.52e-03	7.90e-04
48	13	0.37	33.29	-18.31	-1.29e-03	-8.52e-05	2.14e-04
48	15	12.08	0.38	-10.96	-7.04e-04	1.40e-03	1.44e-04
48	18	0.25	22.19	-12.85	-9.03e-04	-5.27e-05	1.43e-04
48	20	0.02	7.62e-03	-6.47	-4.30e-04	4.07e-05	-2.29e-06
48	22	0.25	22.19	-12.85	-9.03e-04	-5.27e-05	1.43e-04
48	28	0.06	0.02	-18.31	-1.29e-03	-8.59e-05	-3.08e-06
48	38	56.07	29.67	-17.63	-1.09e-03	2.02e-03	7.79e-04
48	39	51.70	11.71	-17.72	-1.12e-03	1.96e-03	2.06e-04
48	54	37.85	50.70	-17.37	-1.05e-03	1.77e-03	1.20e-03
48	70	44.31	25.33	-17.43	-1.09e-03	1.86e-03	5.29e-04
48	71	41.58	13.87	-17.49	-1.10e-03	1.82e-03	1.66e-04
48	86	32.58	38.92	-17.26	-1.06e-03	1.70e-03	7.91e-04
49	13	0.38	33.39	-18.29	-1.27e-03	1.03e-05	2.15e-04
49	15	12.09	0.45	-11.85	-7.18e-04	2.12e-03	1.48e-04
49	18	0.25	22.26	-12.84	-8.89e-04	1.63e-05	1.43e-04
49	20	0.02	5.69e-03	-6.50	-4.25e-04	9.42e-05	-1.05e-06
49	22	0.25	22.26	-12.84	-8.89e-04	1.63e-05	1.43e-04
49	28	0.06	0.02	-18.28	-1.27e-03	9.61e-06	-2.51e-06
49	38	56.08	29.97	-18.98	-1.06e-03	2.99e-03	7.91e-04
49	46	40.31	51.27	-18.55	-1.00e-03	2.69e-03	1.52e-03
49	70	44.32	25.53	-18.66	-1.06e-03	2.76e-03	5.40e-04
49	86	32.58	39.25	-18.33	-1.03e-03	2.53e-03	8.02e-04

50	13	1.27	32.98	-6.38	-3.94e-03	-4.29e-06	2.04e-04
50	15	12.65	0.16	-3.15	-1.94e-03	3.09e-04	1.36e-04
50	18	0.85	21.99	-4.48	-2.76e-03	-2.31e-06	1.35e-04
50	20	7.87e-03	0.03	-2.27	-1.38e-03	5.56e-06	-5.04e-06
50	22	0.85	21.99	-4.48	-2.76e-03	-2.31e-06	1.35e-04
50	28	0.02	0.09	-6.38	-3.94e-03	-4.49e-06	-1.48e-05
50	30	62.82	34.37	-5.28	-3.22e-03	2.36e-04	1.86e-03
50	36	-9.05	18.13	-5.34	-3.24e-03	2.97e-04	-1.19e-03
50	54	41.11	49.13	-5.32	-3.24e-03	2.69e-04	1.18e-03
50	62	47.65	28.18	-5.29	-3.23e-03	2.47e-04	1.17e-03
50	68	4.39	18.14	-5.33	-3.24e-03	2.87e-04	-6.73e-04
50	86	34.63	37.91	-5.31	-3.24e-03	2.69e-04	7.77e-04
51	6	0.03	0.07	-11.65	3.40e-03	-1.81e-04	7.68e-06
51	13	-0.91	32.28	-11.64	3.40e-03	-1.80e-04	2.26e-04
51	15	11.08	-0.37	-4.11	1.18e-03	3.86e-04	1.71e-04
51	18	-0.61	21.52	-8.18	2.39e-03	-1.33e-04	1.51e-04
51	19	0.02	0.05	-8.18	2.39e-03	-1.33e-04	5.41e-06
51	20	0.02	0.03	-4.19	1.20e-03	-1.25e-04	2.93e-06
51	22	-0.61	21.52	-8.18	2.39e-03	-1.33e-04	1.51e-04
51	27	0.02	0.05	-8.18	2.39e-03	-1.33e-04	5.41e-06
51	28	0.03	0.07	-11.65	3.40e-03	-1.81e-04	7.68e-06
51	39	53.14	7.00	-7.22	2.12e-03	5.03e-04	2.95e-04
51	40	-6.33	27.34	-7.80	2.28e-03	2.89e-04	0.0
51	56	11.39	46.52	-7.63	2.24e-03	3.85e-04	3.30e-04
51	71	42.25	10.62	-7.33	2.15e-03	4.63e-04	2.37e-04
51	72	4.57	23.72	-7.69	2.25e-03	3.28e-04	5.83e-05
51	88	15.81	36.17	-7.58	2.22e-03	3.90e-04	2.82e-04
52	13	0.97	32.98	-11.65	-3.35e-03	-5.34e-05	2.07e-04
52	15	12.47	0.15	-5.76	-1.66e-03	5.58e-04	1.41e-04
52	18	0.65	21.99	-8.18	-2.35e-03	-3.60e-05	1.37e-04
52	20	0.01	0.03	-4.11	-1.16e-03	-4.52e-06	-3.74e-06
52	22	0.65	21.99	-8.18	-2.35e-03	-3.60e-05	1.37e-04
52	28	0.04	0.08	-11.65	-3.35e-03	-5.40e-05	-1.13e-05
52	30	60.39	34.37	-9.60	-2.75e-03	6.03e-04	1.89e-03
52	54	39.89	49.13	-9.65	-2.75e-03	5.72e-04	1.20e-03
52	58	39.09	47.45	-9.67	-2.75e-03	5.79e-04	8.65e-04
52	62	46.15	28.18	-9.61	-2.74e-03	5.76e-04	1.19e-03
52	86	33.85	37.91	-9.64	-2.74e-03	5.57e-04	7.91e-04
52	90	33.63	36.87	-9.65	-2.74e-03	5.61e-04	5.91e-04
53	13	0.67	32.96	-15.85	-2.45e-03	-9.52e-05	2.10e-04
53	15	12.27	0.15	-7.86	-1.23e-03	7.52e-04	1.45e-04
53	18	0.45	21.98	-11.12	-1.72e-03	-6.49e-05	1.40e-04
53	20	0.02	0.02	-5.56	-8.38e-04	-1.45e-05	-2.59e-06
53	22	0.45	21.98	-11.12	-1.72e-03	-6.49e-05	1.40e-04
53	28	0.05	0.06	-15.85	-2.45e-03	-9.60e-05	-7.67e-06
53	30	57.99	34.37	-13.08	-2.02e-03	8.96e-04	1.90e-03
53	42	56.06	28.93	-13.13	-2.02e-03	9.16e-04	6.86e-04
53	54	38.79	49.13	-13.10	-2.00e-03	8.29e-04	1.21e-03
53	70	44.83	24.72	-13.08	-2.00e-03	8.60e-04	5.32e-04
53	74	44.35	24.89	-13.10	-2.01e-03	8.58e-04	4.74e-04
53	86	33.16	37.90	-13.08	-1.99e-03	8.03e-04	7.98e-04
54	13	0.37	32.94	-18.57	-1.30e-03	-1.23e-04	2.15e-04
54	15	12.06	0.14	-9.23	-6.42e-04	8.90e-04	1.54e-04
54	18	0.25	21.96	-13.03	-9.08e-04	-8.43e-05	1.43e-04
54	20	0.02	9.96e-03	-6.48	-4.38e-04	-2.28e-05	-1.00e-06
54	22	0.25	21.96	-13.03	-9.08e-04	-8.43e-05	1.43e-04
54	28	0.06	0.03	-18.56	-1.30e-03	-1.24e-04	-2.19e-06
54	38	56.04	28.75	-15.34	-1.04e-03	1.14e-03	8.01e-04
54	39	51.68	11.64	-15.36	-1.05e-03	1.11e-03	2.28e-04
54	54	37.83	49.12	-15.30	-1.02e-03	1.02e-03	1.22e-03
54	70	44.29	24.70	-15.30	-1.03e-03	1.06e-03	5.49e-04
54	71	41.56	13.78	-15.31	-1.04e-03	1.04e-03	1.86e-04
54	86	32.55	37.89	-15.27	-1.02e-03	9.85e-04	8.09e-04
55	13	1.28	33.12	-6.21	-3.87e-03	2.80e-05	2.02e-04
55	14	1.27	33.15	-4.99	-2.96e-03	3.34e-05	2.06e-04
55	15	12.62	0.27	-3.80	-2.33e-03	8.23e-04	1.44e-04
55	18	0.85	22.07	-4.37	-2.72e-03	2.55e-05	1.34e-04
55	20	5.55e-03	-0.05	-2.25	-1.38e-03	6.89e-05	-4.71e-06
55	22	0.85	22.07	-4.37	-2.72e-03	2.55e-05	1.34e-04
55	28	0.02	-0.13	-6.21	-3.87e-03	2.82e-05	-1.70e-05
55	30	62.83	36.22	-6.29	-3.78e-03	1.69e-03	1.88e-03
55	34	61.87	36.25	-6.30	-3.78e-03	1.69e-03	1.79e-03
55	54	41.08	50.50	-6.18	-3.73e-03	1.49e-03	1.20e-03
55	62	47.63	29.21	-6.19	-3.72e-03	1.53e-03	1.19e-03
55	74	45.37	25.23	-6.19	-3.73e-03	1.49e-03	4.62e-04
55	86	34.59	38.73	-6.13	-3.69e-03	1.41e-03	7.93e-04
56	13	0.98	33.14	-11.43	-3.31e-03	-8.07e-06	2.07e-04

56	14	0.97	33.18	-8.90	-2.41e-03	2.50e-05	2.11e-04
56	15	12.42	0.29	-6.93	-1.97e-03	1.10e-03	1.37e-04
56	18	0.66	22.09	-8.03	-2.32e-03	1.36e-06	1.37e-04
56	20	0.01	-0.04	-4.10	-1.16e-03	6.74e-05	-3.76e-06
56	22	0.66	22.09	-8.03	-2.32e-03	1.36e-06	1.37e-04
56	28	0.04	-0.11	-11.42	-3.31e-03	-8.83e-06	-1.11e-05
56	30	60.36	36.27	-11.34	-3.12e-03	1.98e-03	1.88e-03
56	34	59.50	36.30	-11.34	-3.13e-03	1.97e-03	1.78e-03
56	54	39.85	50.54	-11.15	-3.09e-03	1.73e-03	1.19e-03
56	62	46.11	29.25	-11.17	-3.09e-03	1.79e-03	1.18e-03
56	74	44.82	25.26	-11.18	-3.11e-03	1.75e-03	4.57e-04
56	86	33.80	38.77	-11.06	-3.07e-03	1.64e-03	7.83e-04
57	13	0.68	33.18	-15.60	-2.43e-03	-4.00e-05	2.09e-04
57	14	0.67	33.21	-11.86	-1.67e-03	3.45e-05	2.13e-04
57	15	12.22	0.31	-9.40	-1.41e-03	1.34e-03	1.42e-04
57	18	0.46	22.12	-10.96	-1.70e-03	-2.06e-05	1.39e-04
57	20	0.02	-0.03	-5.55	-8.32e-04	6.09e-05	-2.76e-06
57	22	0.46	22.12	-10.96	-1.70e-03	-2.06e-05	1.39e-04
57	28	0.06	-0.08	-15.60	-2.43e-03	-4.08e-05	-8.19e-06
57	30	57.95	36.33	-15.25	-2.20e-03	2.11e-03	1.89e-03
57	38	56.78	29.56	-15.27	-2.21e-03	2.06e-03	7.74e-04
57	54	38.73	50.59	-14.99	-2.16e-03	1.84e-03	1.20e-03
57	70	44.76	25.22	-15.07	-2.20e-03	1.90e-03	5.26e-04
57	86	33.10	38.81	-14.88	-2.16e-03	1.76e-03	7.93e-04
58	13	0.38	33.22	-18.31	-1.29e-03	-8.52e-05	2.14e-04
58	14	0.36	33.24	-13.65	-8.06e-04	3.48e-05	2.16e-04
58	15	12.01	0.34	-10.96	-7.04e-04	1.40e-03	1.44e-04
58	18	0.25	22.15	-12.85	-9.03e-04	-5.27e-05	1.43e-04
58	20	0.02	-0.01	-6.47	-4.30e-04	4.07e-05	-2.29e-06
58	22	0.25	22.15	-12.85	-9.03e-04	-5.27e-05	1.43e-04
58	28	0.07	-0.04	-18.31	-1.29e-03	-8.59e-05	-3.08e-06
58	38	55.97	29.62	-17.63	-1.09e-03	2.02e-03	7.79e-04
58	39	51.61	11.66	-17.72	-1.12e-03	1.96e-03	2.06e-04
58	54	37.76	50.64	-17.37	-1.05e-03	1.77e-03	1.20e-03
58	70	44.22	25.27	-17.43	-1.09e-03	1.86e-03	5.29e-04
58	71	41.49	13.81	-17.49	-1.10e-03	1.82e-03	1.66e-04
58	86	32.49	38.87	-17.26	-1.06e-03	1.70e-03	7.91e-04
59	13	1.27	32.79	-6.38	-3.94e-03	-4.29e-06	2.04e-04
59	14	1.26	32.82	-5.14	-3.00e-03	-1.32e-05	2.07e-04
59	15	12.64	0.06	-3.15	-1.94e-03	3.09e-04	1.36e-04
59	18	0.85	21.85	-4.48	-2.76e-03	-2.31e-06	1.35e-04
59	20	7.59e-03	-0.04	-2.27	-1.38e-03	5.56e-06	-5.04e-06
59	22	0.85	21.85	-4.48	-2.76e-03	-2.31e-06	1.35e-04
59	28	0.02	-0.11	-6.38	-3.94e-03	-4.49e-06	-1.48e-05
59	30	62.81	34.20	-5.28	-3.22e-03	2.36e-04	1.86e-03
59	36	-9.07	17.97	-5.34	-3.24e-03	2.97e-04	-1.19e-03
59	54	41.10	48.97	-5.32	-3.24e-03	2.69e-04	1.18e-03
59	62	47.64	28.02	-5.29	-3.23e-03	2.47e-04	1.17e-03
59	68	4.38	17.98	-5.33	-3.24e-03	2.87e-04	-6.73e-04
59	86	34.61	37.75	-5.31	-3.24e-03	2.69e-04	7.77e-04
60	13	0.97	32.81	-11.65	-3.35e-03	-5.34e-05	2.07e-04
60	14	0.96	32.84	-9.04	-2.41e-03	-3.05e-05	2.11e-04
60	15	12.44	0.07	-5.76	-1.66e-03	5.58e-04	1.41e-04
60	18	0.65	21.87	-8.18	-2.35e-03	-3.60e-05	1.37e-04
60	20	0.01	-0.03	-4.11	-1.16e-03	-4.52e-06	-3.74e-06
60	22	0.65	21.87	-8.18	-2.35e-03	-3.60e-05	1.37e-04
60	28	0.04	-0.09	-11.65	-3.35e-03	-5.40e-05	-1.13e-05
60	30	60.36	34.24	-9.60	-2.75e-03	6.03e-04	1.89e-03
60	54	39.86	49.00	-9.65	-2.75e-03	5.72e-04	1.20e-03
60	58	39.06	47.32	-9.67	-2.75e-03	5.79e-04	8.65e-04
60	62	46.12	28.05	-9.61	-2.74e-03	5.76e-04	1.19e-03
60	86	33.83	37.77	-9.64	-2.74e-03	5.57e-04	7.91e-04
60	90	33.60	36.74	-9.65	-2.74e-03	5.61e-04	5.91e-04
61	13	0.68	32.84	-15.85	-2.45e-03	-9.52e-05	2.10e-04
61	14	0.66	32.86	-11.96	-1.64e-03	-2.64e-05	2.14e-04
61	15	12.23	0.09	-7.86	-1.23e-03	7.52e-04	1.45e-04
61	18	0.45	21.89	-11.12	-1.72e-03	-6.49e-05	1.40e-04
61	20	0.02	-0.02	-5.56	-8.38e-04	-1.45e-05	-2.59e-06
61	22	0.45	21.89	-11.12	-1.72e-03	-6.49e-05	1.40e-04
61	28	0.05	-0.07	-15.85	-2.45e-03	-9.60e-05	-7.67e-06
61	30	57.95	34.27	-13.08	-2.02e-03	8.96e-04	1.90e-03
61	42	56.02	28.83	-13.13	-2.02e-03	9.16e-04	6.86e-04
61	54	38.75	49.03	-13.10	-2.00e-03	8.29e-04	1.21e-03
61	70	44.79	24.62	-13.08	-2.00e-03	8.60e-04	5.32e-04
61	74	44.31	24.79	-13.10	-2.01e-03	8.58e-04	4.74e-04
61	86	33.12	37.81	-13.08	-1.99e-03	8.03e-04	7.98e-04
62	13	1.56	32.30	-0.37	-4.20e-03	5.33e-05	2.06e-04

62	15	12.83	-0.30	-0.14	-1.71e-03	4.00e-05	1.36e-04
62	18	1.04	21.54	-0.26	-2.95e-03	3.71e-05	1.37e-04
62	19	3.37e-03	0.08	-0.26	-2.93e-03	3.67e-05	-7.74e-06
62	20	1.62e-03	0.04	-0.16	-1.49e-03	1.56e-05	-4.88e-06
62	21	3.09e-03	0.07	-0.32	-2.33e-03	4.06e-05	-8.42e-06
62	22	1.04	21.54	-0.26	-2.95e-03	3.71e-05	1.37e-04
62	25	-3.55	0.10	-0.45	-3.27e-03	5.82e-05	-9.22e-06
62	28	4.81e-03	0.12	-0.37	-4.17e-03	5.27e-05	-1.09e-05
62	30	65.24	17.89	-0.30	-3.06e-03	6.42e-05	1.85e-03
62	40	-3.98	27.39	-0.33	-3.21e-03	5.88e-05	1.47e-05
62	56	19.89	46.56	-0.31	-3.17e-03	6.23e-05	2.94e-04
62	62	49.14	17.57	-0.30	-3.09e-03	6.35e-05	1.16e-03
62	72	6.59	23.79	-0.32	-3.18e-03	6.00e-05	4.70e-05
62	88	21.90	36.23	-0.31	-3.15e-03	6.22e-05	2.39e-04
63	13	1.57	32.64	-0.38	-4.18e-03	5.72e-05	2.15e-04
63	15	12.83	-0.07	-0.16	-1.84e-03	4.51e-05	1.41e-04
63	18	1.04	21.76	-0.27	-2.93e-03	3.99e-05	1.43e-04
63	19	2.75e-03	0.08	-0.27	-2.91e-03	3.95e-05	-3.39e-06
63	20	1.33e-03	0.04	-0.15	-1.48e-03	1.81e-05	-1.09e-06
63	21	2.48e-03	0.06	-0.35	-2.30e-03	3.93e-05	-1.73e-06
63	22	1.04	21.76	-0.27	-2.93e-03	3.99e-05	1.43e-04
63	25	-3.55	0.09	-0.50	-3.22e-03	5.59e-05	-3.32e-06
63	28	3.92e-03	0.11	-0.38	-4.15e-03	5.66e-05	-4.92e-06
63	30	65.28	18.29	-0.34	-3.22e-03	6.80e-05	1.90e-03
63	32	-9.79	32.83	-0.36	-3.29e-03	6.45e-05	-1.10e-03
63	56	19.89	47.72	-0.36	-3.27e-03	6.54e-05	3.06e-04
63	62	49.17	17.98	-0.34	-3.23e-03	6.76e-05	1.20e-03
63	64	4.00	27.29	-0.36	-3.27e-03	6.52e-05	-6.13e-04
63	88	21.91	36.99	-0.35	-3.27e-03	6.58e-05	2.53e-04
64	13	1.57	32.98	-0.40	-4.17e-03	6.78e-05	2.09e-04
64	14	1.57	32.96	-0.51	-3.25e-03	4.43e-05	2.11e-04
64	15	12.84	0.16	-0.20	-2.04e-03	7.17e-05	1.31e-04
64	18	1.05	21.99	-0.28	-2.93e-03	4.78e-05	1.39e-04
64	20	7.34e-04	0.03	-0.16	-1.47e-03	2.59e-05	-4.65e-06
64	21	8.25e-04	0.06	-0.35	-2.30e-03	3.17e-05	-6.48e-06
64	22	1.05	21.99	-0.28	-2.93e-03	4.78e-05	1.39e-04
64	28	1.80e-03	0.10	-0.40	-4.14e-03	6.73e-05	-1.10e-05
64	30	65.32	34.35	-0.37	-3.44e-03	1.18e-04	1.88e-03
64	33	-15.75	0.89	-0.40	-3.46e-03	8.69e-05	-1.69e-03
64	54	42.44	49.11	-0.38	-3.47e-03	1.02e-04	1.19e-03
64	62	49.19	28.17	-0.38	-3.45e-03	1.12e-04	1.18e-03
64	65	0.38	7.07	-0.39	-3.46e-03	9.31e-05	-9.91e-04
64	86	35.47	37.90	-0.38	-3.46e-03	1.02e-04	7.81e-04
65	13	1.57	33.31	-0.44	-4.18e-03	8.77e-05	2.00e-04
65	14	1.57	33.29	-0.52	-3.26e-03	5.53e-05	2.04e-04
65	15	12.84	0.38	-0.31	-2.27e-03	1.12e-04	1.43e-04
65	18	1.05	22.21	-0.31	-2.93e-03	6.21e-05	1.33e-04
65	20	-1.13e-04	0.03	-0.18	-1.49e-03	3.67e-05	-5.70e-06
65	21	-7.24e-04	0.04	-0.36	-2.31e-03	4.02e-05	-1.06e-05
65	22	1.05	22.21	-0.31	-2.93e-03	6.21e-05	1.33e-04
65	28	-8.59e-04	0.07	-0.44	-4.15e-03	8.70e-05	-1.98e-05
65	30	65.36	36.38	-0.59	-3.89e-03	2.29e-04	1.88e-03
65	31	59.42	18.45	-0.60	-3.86e-03	2.39e-04	1.31e-03
65	54	42.46	50.66	-0.54	-3.85e-03	1.84e-04	1.21e-03
65	62	49.22	29.38	-0.57	-3.83e-03	2.11e-04	1.19e-03
65	63	45.60	17.94	-0.58	-3.82e-03	2.17e-04	8.22e-04
65	86	35.49	38.90	-0.55	-3.81e-03	1.83e-04	7.97e-04
66	13	0.37	32.88	-18.57	-1.30e-03	-1.23e-04	2.15e-04
66	14	0.35	32.89	-13.70	-7.72e-04	-1.25e-05	2.17e-04
66	15	12.02	0.10	-9.23	-6.42e-04	8.90e-04	1.54e-04
66	18	0.25	21.92	-13.03	-9.08e-04	-8.43e-05	1.43e-04
66	20	0.02	-0.01	-6.48	-4.38e-04	-2.28e-05	-1.00e-06
66	22	0.25	21.92	-13.03	-9.08e-04	-8.43e-05	1.43e-04
66	28	0.06	-0.04	-18.56	-1.30e-03	-1.24e-04	-2.19e-06
66	38	55.99	28.70	-15.34	-1.04e-03	1.14e-03	8.01e-04
66	39	51.62	11.59	-15.36	-1.05e-03	1.11e-03	2.28e-04
66	54	37.77	49.07	-15.30	-1.02e-03	1.02e-03	1.22e-03
66	70	44.23	24.65	-15.30	-1.03e-03	1.06e-03	5.49e-04
66	71	41.50	13.73	-15.31	-1.04e-03	1.04e-03	1.86e-04
66	86	32.51	37.84	-15.27	-1.02e-03	9.85e-04	8.09e-04
67	6	0.05	0.03	-18.66	1.34e-03	-2.30e-05	5.96e-06
67	13	-0.27	32.59	-18.65	1.35e-03	-2.22e-05	2.23e-04
67	15	11.56	-0.11	-7.74	5.62e-04	8.12e-04	1.63e-04
67	18	-0.18	21.73	-13.09	9.42e-04	-1.92e-05	1.49e-04
67	19	0.04	0.02	-13.09	9.41e-04	-1.97e-05	4.13e-06
67	20	0.02	0.01	-6.52	4.51e-04	-4.40e-05	1.59e-06
67	22	-0.18	21.73	-13.09	9.42e-04	-1.92e-05	1.49e-04



67	27	0.04	0.02	-13.09	9.41e-04	-1.97e-05	4.13e-06
67	28	0.05	0.03	-18.66	1.34e-03	-2.30e-05	5.96e-06
67	39	54.47	6.80	-13.30	1.02e-03	1.07e-03	2.64e-04
67	44	-6.16	28.27	-13.67	1.05e-03	7.16e-04	-9.47e-05
67	56	11.32	47.72	-13.57	1.04e-03	8.60e-04	3.16e-04
67	71	43.19	10.60	-13.37	1.02e-03	9.98e-04	2.11e-04
67	76	4.87	24.41	-13.60	1.04e-03	7.76e-04	-6.35e-06
67	88	16.04	36.97	-13.53	1.04e-03	8.69e-04	2.67e-04
68	13	0.96	32.47	-11.76	-3.37e-03	4.84e-05	2.09e-04
68	14	0.95	32.49	-9.07	-2.39e-03	1.27e-04	2.12e-04
68	15	12.43	-0.16	-4.94	-1.40e-03	5.15e-04	1.42e-04
68	18	0.64	21.64	-8.26	-2.36e-03	3.15e-05	1.39e-04
68	20	0.01	-0.03	-4.16	-1.17e-03	-8.04e-06	-3.51e-06
68	22	0.64	21.64	-8.26	-2.36e-03	3.15e-05	1.39e-04
68	28	0.03	-0.08	-11.76	-3.37e-03	4.77e-05	-8.88e-06
68	30	60.29	18.15	-8.73	-2.40e-03	6.54e-04	1.88e-03
68	44	-4.59	28.18	-8.94	-2.47e-03	5.03e-04	-7.33e-05
68	56	19.82	47.61	-8.89	-2.45e-03	5.84e-04	3.05e-04
68	62	46.07	17.84	-8.77	-2.42e-03	6.29e-04	1.19e-03
68	76	6.13	24.33	-8.90	-2.46e-03	5.35e-04	-1.83e-06
68	88	21.75	36.87	-8.86	-2.45e-03	5.87e-04	2.51e-04
69	13	0.66	32.49	-15.97	-2.47e-03	3.34e-05	2.12e-04
69	14	0.64	32.52	-11.95	-1.62e-03	1.04e-04	2.13e-04
69	15	12.22	-0.15	-6.68	-1.01e-03	7.05e-04	1.47e-04
69	18	0.44	21.66	-11.21	-1.73e-03	2.02e-05	1.41e-04
69	20	0.02	-0.02	-5.61	-8.44e-04	-2.08e-05	-2.42e-06
69	22	0.44	21.66	-11.21	-1.73e-03	2.02e-05	1.41e-04
69	28	0.04	-0.06	-15.97	-2.47e-03	3.27e-05	-6.33e-06
69	30	57.89	18.16	-11.67	-1.71e-03	8.85e-04	1.90e-03
69	44	-4.32	28.20	-11.99	-1.76e-03	6.58e-04	-7.37e-05
69	56	19.96	47.63	-11.91	-1.74e-03	7.80e-04	3.09e-04
69	70	44.77	20.94	-11.72	-1.71e-03	8.67e-04	5.32e-04
69	76	6.25	24.35	-11.93	-1.75e-03	7.07e-04	0.0
69	88	21.79	36.90	-11.88	-1.74e-03	7.84e-04	2.56e-04
70	13	0.36	32.53	-18.70	-1.31e-03	7.69e-06	2.12e-04
70	14	0.34	32.54	-13.66	-7.68e-04	6.97e-05	2.13e-04
70	15	12.01	-0.14	-7.79	-5.20e-04	8.38e-04	1.53e-04
70	18	0.24	21.68	-13.12	-9.20e-04	1.86e-06	1.41e-04
70	20	0.02	-0.01	-6.54	-4.42e-04	-3.27e-05	-1.59e-06
70	22	0.24	21.68	-13.12	-9.20e-04	1.86e-06	1.41e-04
70	28	0.05	-0.03	-18.70	-1.31e-03	7.05e-06	-5.83e-06
70	38	55.96	23.03	-13.51	-8.49e-04	1.09e-03	7.97e-04
70	44	-4.00	28.22	-13.90	-8.85e-04	7.60e-04	-7.66e-05
70	56	20.24	47.66	-13.80	-8.75e-04	9.12e-04	3.13e-04
70	70	44.22	20.96	-13.59	-8.56e-04	1.03e-03	5.45e-04
70	76	6.40	24.37	-13.83	-8.78e-04	8.21e-04	1.04e-06
70	88	21.93	36.92	-13.77	-8.72e-04	9.19e-04	2.61e-04
71	13	1.57	33.39	-0.69	-3.84e-03	3.40e-04	1.93e-04
71	14	1.57	33.38	-0.74	-2.97e-03	3.04e-04	1.98e-04
71	15	12.84	0.43	-0.68	-2.44e-03	9.71e-04	1.17e-04
71	18	1.05	22.26	-0.49	-2.69e-03	2.46e-04	1.28e-04
71	20	-2.36e-03	0.01	-0.30	-1.38e-03	1.92e-04	-1.03e-05
71	21	-4.21e-03	0.02	-0.52	-2.12e-03	2.21e-04	-1.64e-05
71	22	1.05	22.26	-0.49	-2.69e-03	2.46e-04	1.28e-04
71	28	-6.92e-03	0.04	-0.68	-3.83e-03	3.39e-04	-2.84e-05
71	30	65.41	37.07	-1.60	-4.00e-03	3.07e-03	1.86e-03
71	31	59.46	18.86	-1.65	-3.94e-03	3.17e-03	1.29e-03
71	46	46.01	51.20	-1.39	-3.93e-03	2.44e-03	1.50e-03
71	62	49.26	29.78	-1.52	-3.91e-03	2.80e-03	1.17e-03
71	63	45.64	18.17	-1.55	-3.88e-03	2.86e-03	8.05e-04
71	86	35.52	39.21	-1.39	-3.90e-03	2.44e-03	7.83e-04
72	13	0.06	33.37	-19.20	2.42e-05	-1.56e-05	2.17e-04
72	14	0.05	33.37	-14.20	1.07e-04	1.17e-04	2.18e-04
72	15	11.86	0.45	-12.30	1.15e-04	2.11e-03	1.60e-04
72	18	0.04	22.25	-13.48	1.71e-05	-1.74e-06	1.45e-04
72	20	0.02	-1.90e-04	-6.81	9.27e-06	8.65e-05	0.0
72	22	0.04	22.25	-13.48	1.71e-05	-1.74e-06	1.45e-04
72	28	0.06	-5.13e-04	-19.20	2.26e-05	-1.62e-05	0.0
72	38	55.30	29.98	-19.55	1.33e-04	2.91e-03	8.18e-04
72	39	51.01	11.75	-19.70	1.04e-04	3.01e-03	2.45e-04
72	46	39.37	51.29	-18.76	1.84e-04	2.35e-03	1.54e-03
72	70	43.79	25.53	-19.27	1.29e-04	2.71e-03	5.60e-04
72	71	41.06	13.91	-19.37	1.11e-04	2.77e-03	1.98e-04
72	86	32.07	39.25	-19.01	1.60e-04	2.52e-03	8.13e-04
73	6	-8.62e-03	-0.03	-0.73	3.84e-03	2.55e-04	2.84e-05
73	14	-1.56	33.35	-0.58	2.81e-03	2.58e-04	2.41e-04
73	15	10.59	0.48	-0.62	2.37e-03	7.42e-04	1.90e-04

73	18	-1.04	22.23	-0.51	2.70e-03	1.85e-04	1.67e-04
73	19	-6.05e-03	-0.02	-0.52	2.70e-03	1.86e-04	2.00e-05
73	20	-2.96e-03	-0.01	-0.32	1.38e-03	1.61e-04	1.03e-05
73	22	-1.04	22.23	-0.51	2.70e-03	1.85e-04	1.67e-04
73	27	-6.05e-03	-0.02	-0.52	2.70e-03	1.86e-04	2.00e-05
73	28	-8.62e-03	-0.03	-0.73	3.84e-03	2.55e-04	2.84e-05
73	38	46.10	30.05	-1.56	3.83e-03	3.02e-03	8.86e-04
73	39	52.01	11.79	-1.52	3.93e-03	2.89e-03	3.09e-04
73	46	18.22	51.38	-1.42	3.56e-03	2.62e-03	1.58e-03
73	70	37.52	25.58	-1.47	3.78e-03	2.76e-03	6.14e-04
73	71	41.41	13.94	-1.44	3.85e-03	2.67e-03	2.49e-04
73	86	21.52	39.30	-1.37	3.64e-03	2.47e-03	8.51e-04
74	6	-3.47e-03	-0.07	-0.44	4.15e-03	-1.05e-05	1.73e-05
74	14	-1.56	33.21	-0.35	2.99e-03	-2.62e-06	2.32e-04
74	15	10.59	0.37	-0.29	2.22e-03	4.43e-05	1.83e-04
74	18	-1.04	22.12	-0.31	2.90e-03	-6.75e-06	1.58e-04
74	19	-2.42e-03	-0.05	-0.31	2.92e-03	-6.81e-06	1.22e-05
74	20	-1.04e-03	-0.03	-0.18	1.49e-03	1.58e-06	6.70e-06
74	22	-1.04	22.12	-0.31	2.90e-03	-6.75e-06	1.58e-04
74	27	-2.42e-03	-0.05	-0.31	2.92e-03	-6.81e-06	1.22e-05
74	28	-3.47e-03	-0.07	-0.44	4.15e-03	-1.05e-05	1.73e-05
74	38	46.08	29.68	-0.49	3.67e-03	1.52e-04	8.81e-04
74	39	51.99	11.69	-0.48	3.72e-03	1.44e-04	3.05e-04
74	54	21.13	50.71	-0.47	3.54e-03	1.27e-04	1.27e-03
74	70	37.50	25.31	-0.48	3.63e-03	1.34e-04	6.14e-04
74	71	41.39	13.84	-0.47	3.67e-03	1.29e-04	2.50e-04
74	86	21.50	38.91	-0.46	3.55e-03	1.15e-04	8.58e-04
75	6	-1.33e-03	-0.10	-0.40	4.14e-03	-2.97e-05	1.17e-05
75	14	-1.56	32.84	-0.31	2.96e-03	-1.80e-05	2.29e-04
75	15	10.59	0.09	-0.19	2.01e-03	1.42e-05	1.77e-04
75	18	-1.04	21.87	-0.28	2.89e-03	-2.06e-05	1.55e-04
75	19	-9.24e-04	-0.07	-0.28	2.91e-03	-2.07e-05	8.24e-06
75	20	-4.06e-04	-0.03	-0.16	1.48e-03	-8.89e-06	4.40e-06
75	22	-1.04	21.87	-0.28	2.89e-03	-2.06e-05	1.55e-04
75	27	-9.24e-04	-0.07	-0.28	2.91e-03	-2.07e-05	8.24e-06
75	28	-1.33e-03	-0.10	-0.40	4.14e-03	-2.97e-05	1.17e-05
75	39	51.98	11.55	-0.26	3.26e-03	4.04e-05	2.89e-04
75	40	-6.03	23.43	-0.28	3.27e-03	8.86e-06	2.11e-05
75	54	21.11	49.06	-0.28	3.26e-03	3.15e-05	1.26e-03
75	71	41.38	13.68	-0.27	3.27e-03	3.45e-05	2.36e-04
75	72	4.57	21.30	-0.28	3.27e-03	1.47e-05	7.41e-05
75	86	21.48	37.82	-0.28	3.27e-03	2.89e-05	8.46e-04
76	13	-1.57	32.44	-0.38	4.12e-03	-4.27e-05	2.26e-04
76	14	-1.57	32.48	-0.29	2.95e-03	-2.81e-05	2.25e-04
76	15	10.59	-0.17	-0.16	1.82e-03	-3.54e-06	1.72e-04
76	18	-1.04	21.63	-0.27	2.90e-03	-3.03e-05	1.51e-04
76	20	7.23e-05	-0.04	-0.16	1.48e-03	-1.77e-05	1.85e-06
76	22	-1.04	21.63	-0.27	2.90e-03	-3.03e-05	1.51e-04
76	28	4.91e-04	-0.11	-0.38	4.15e-03	-4.29e-05	5.97e-06
76	39	51.96	6.67	-0.22	3.02e-03	-1.72e-05	2.83e-04
76	41	-0.10	11.56	-0.25	3.10e-03	-2.12e-05	-5.60e-04
76	56	10.98	47.61	-0.24	3.06e-03	-1.90e-05	3.35e-04
76	71	41.37	10.48	-0.23	3.03e-03	-1.79e-05	2.30e-04
76	73	8.47	13.63	-0.25	3.08e-03	-2.04e-05	-2.96e-04
76	88	15.27	36.85	-0.24	3.06e-03	-1.90e-05	2.86e-04
77	14	-1.57	32.12	-0.29	2.95e-03	-3.29e-05	2.23e-04
77	15	10.58	-0.45	-0.14	1.68e-03	-3.12e-06	1.74e-04
77	18	-1.05	21.38	-0.27	2.91e-03	-3.48e-05	1.50e-04
77	20	2.71e-04	-0.04	-0.16	1.50e-03	-2.18e-05	1.61e-06
77	22	-1.05	21.38	-0.27	2.91e-03	-3.48e-05	1.50e-04
77	24	-3.52	-0.11	-0.38	4.17e-03	-4.93e-05	0.0
77	28	1.21e-03	-0.12	-0.38	4.17e-03	-4.90e-05	5.85e-06
77	39	51.95	6.85	-0.20	2.83e-03	-1.78e-05	2.93e-04
77	40	-6.03	27.20	-0.24	2.99e-03	-2.55e-05	1.08e-05
77	56	10.97	46.38	-0.22	2.92e-03	-2.39e-05	3.37e-04
77	71	41.36	10.48	-0.21	2.86e-03	-1.92e-05	2.37e-04
77	72	4.56	23.58	-0.23	2.96e-03	-2.41e-05	6.64e-05
77	88	15.27	36.03	-0.22	2.91e-03	-2.30e-05	2.88e-04
78	13	1.26	32.64	-6.49	-3.96e-03	5.80e-05	2.08e-04
78	15	12.64	-0.08	-2.74	-1.66e-03	2.88e-04	1.38e-04
78	18	0.84	21.77	-4.56	-2.78e-03	3.93e-05	1.38e-04
78	20	7.05e-03	0.04	-2.31	-1.39e-03	6.58e-06	-4.15e-06
78	22	0.84	21.77	-4.56	-2.78e-03	3.93e-05	1.38e-04
78	28	0.02	0.10	-6.49	-3.96e-03	5.73e-05	-1.03e-05
78	30	62.74	18.28	-4.89	-2.92e-03	4.07e-04	1.86e-03
78	44	-4.81	28.31	-5.01	-2.99e-03	2.93e-04	-7.37e-05
78	56	19.83	47.73	-4.98	-2.97e-03	3.42e-04	2.99e-04

78	62	47.60	17.97	-4.91	-2.93e-03	3.84e-04	1.17e-03
78	76	6.05	24.46	-4.99	-2.97e-03	3.13e-04	-5.38e-06
78	88	21.81	37.00	-4.97	-2.96e-03	3.45e-04	2.44e-04
79	13	0.96	32.64	-11.76	-3.37e-03	4.84e-05	2.09e-04
79	15	12.46	-0.09	-4.94	-1.40e-03	5.15e-04	1.42e-04
79	18	0.64	21.76	-8.26	-2.36e-03	3.15e-05	1.39e-04
79	20	0.01	0.03	-4.16	-1.17e-03	-8.04e-06	-3.51e-06
79	22	0.64	21.76	-8.26	-2.36e-03	3.15e-05	1.39e-04
79	28	0.03	0.09	-11.76	-3.37e-03	4.77e-05	-8.88e-06
79	30	60.32	18.27	-8.73	-2.40e-03	6.54e-04	1.88e-03
79	44	-4.56	28.30	-8.94	-2.47e-03	5.03e-04	-7.33e-05
79	56	19.85	47.73	-8.89	-2.45e-03	5.84e-04	3.05e-04
79	62	46.10	17.96	-8.77	-2.42e-03	6.29e-04	1.19e-03
79	76	6.16	24.45	-8.90	-2.46e-03	5.35e-04	-1.83e-06
79	88	21.78	36.99	-8.86	-2.45e-03	5.87e-04	2.51e-04
80	6	0.05	-1.46e-03	-19.67	5.95e-06	-3.54e-05	0.0
80	14	0.03	32.21	-14.08	1.03e-04	1.82e-05	2.18e-04
80	15	11.83	-0.38	-6.79	1.04e-05	8.46e-04	1.57e-04
80	18	0.03	21.47	-13.81	4.89e-06	-2.97e-05	1.46e-04
80	19	0.04	-1.02e-03	-13.81	3.99e-06	-3.01e-05	0.0
80	20	0.02	-4.85e-04	-6.95	0.0	-6.50e-05	0.0
80	22	0.03	21.47	-13.81	4.89e-06	-2.97e-05	1.46e-04
80	27	0.04	-1.02e-03	-13.81	3.99e-06	-3.01e-05	0.0
80	28	0.05	-1.46e-03	-19.67	5.95e-06	-3.54e-05	0.0
80	39	55.24	7.00	-12.26	6.82e-05	1.11e-03	2.44e-04
80	40	-7.17	27.31	-13.27	6.63e-05	7.47e-04	8.91e-06
80	56	11.08	46.49	-12.98	6.78e-05	9.11e-04	3.16e-04
80	71	43.73	10.62	-12.45	6.79e-05	1.04e-03	1.97e-04
80	72	4.34	23.69	-13.08	6.67e-05	8.13e-04	5.59e-05
80	88	16.05	36.14	-12.90	6.76e-05	9.18e-04	2.66e-04
81	6	0.05	-1.11e-03	-19.64	1.25e-05	-5.07e-05	0.0
81	13	0.05	32.56	-19.64	1.39e-05	-5.00e-05	2.19e-04
81	15	11.83	-0.13	-8.16	2.40e-05	9.02e-04	1.57e-04
81	18	0.03	21.71	-13.78	9.63e-06	-3.81e-05	1.46e-04
81	19	0.04	-7.82e-04	-13.78	8.69e-06	-3.86e-05	0.0
81	20	0.02	-3.88e-04	-6.85	3.88e-06	-4.78e-05	0.0
81	22	0.03	21.71	-13.78	9.63e-06	-3.81e-05	1.46e-04
81	27	0.04	-7.82e-04	-13.78	8.69e-06	-3.86e-05	0.0
81	28	0.05	-1.11e-03	-19.64	1.25e-05	-5.07e-05	0.0
81	39	55.25	6.78	-14.10	9.35e-05	1.18e-03	2.44e-04
81	44	-6.47	28.24	-14.49	8.90e-05	8.06e-04	-8.41e-05
81	56	11.08	47.69	-14.38	9.38e-05	9.62e-04	3.17e-04
81	71	43.75	10.58	-14.17	9.27e-05	1.11e-03	1.97e-04
81	76	4.78	24.39	-14.41	8.99e-05	8.70e-04	-1.35e-06
81	88	16.05	36.94	-14.34	9.31e-05	9.70e-04	2.66e-04
82	13	0.05	32.91	-19.49	1.79e-05	-1.27e-04	2.19e-04
82	15	11.84	0.12	-9.68	4.12e-05	1.02e-03	1.58e-04
82	18	0.04	21.94	-13.68	1.26e-05	-8.73e-05	1.46e-04
82	19	0.04	-6.20e-04	-13.68	1.15e-05	-8.78e-05	0.0
82	20	0.02	-3.27e-04	-6.79	6.24e-06	-2.43e-05	0.0
82	22	0.04	21.94	-13.68	1.26e-05	-8.73e-05	1.46e-04
82	27	0.04	-6.20e-04	-13.68	1.15e-05	-8.78e-05	0.0
82	28	0.06	-8.81e-04	-19.49	1.64e-05	-1.28e-04	0.0
82	39	55.27	11.62	-16.06	1.13e-04	1.36e-03	2.44e-04
82	54	27.38	49.11	-15.98	1.15e-04	1.20e-03	1.23e-03
82	71	43.76	13.75	-16.01	1.12e-04	1.27e-03	1.97e-04
82	86	25.89	37.88	-15.95	1.13e-04	1.16e-03	8.14e-04
83	13	0.06	33.26	-19.24	2.20e-05	-1.55e-04	2.18e-04
83	14	0.04	33.26	-14.16	1.11e-04	1.59e-06	2.18e-04
83	15	11.86	0.37	-11.43	7.29e-05	1.13e-03	1.57e-04
83	18	0.04	22.18	-13.50	1.55e-05	-1.04e-04	1.45e-04
83	19	0.04	-4.46e-04	-13.50	1.43e-05	-1.05e-04	0.0
83	20	0.02	-2.40e-04	-6.77	8.07e-06	-6.78e-06	0.0
83	22	0.04	22.18	-13.50	1.55e-05	-1.04e-04	1.45e-04
83	27	0.04	-4.46e-04	-13.50	1.43e-05	-1.05e-04	0.0
83	28	0.06	-6.33e-04	-19.24	2.03e-05	-1.56e-04	0.0
83	38	55.29	29.67	-18.36	1.20e-04	1.52e-03	8.18e-04
83	39	51.00	11.70	-18.47	9.95e-05	1.58e-03	2.45e-04
83	54	37.03	50.70	-18.07	1.54e-04	1.38e-03	1.22e-03
83	70	43.78	25.32	-18.16	1.18e-04	1.42e-03	5.60e-04
83	71	41.05	13.86	-18.23	1.04e-04	1.46e-03	1.98e-04
83	86	32.06	38.91	-17.98	1.39e-04	1.33e-03	8.13e-04
84	6	0.04	0.06	-15.87	2.50e-03	-2.43e-05	6.44e-06
84	13	-0.59	32.62	-15.86	2.50e-03	-2.38e-05	2.24e-04
84	15	11.32	-0.10	-6.60	1.03e-03	6.67e-04	1.67e-04
84	18	-0.39	21.75	-11.13	1.75e-03	-2.01e-05	1.50e-04
84	19	0.03	0.04	-11.14	1.75e-03	-2.04e-05	4.54e-06

84	20	0.02	0.02	-5.58	8.54e-04	-4.23e-05	2.45e-06
84	22	-0.39	21.75	-11.13	1.75e-03	-2.01e-05	1.50e-04
84	27	0.03	0.04	-11.14	1.75e-03	-2.04e-05	4.54e-06
84	28	0.04	0.06	-15.87	2.50e-03	-2.43e-05	6.44e-06
84	39	53.79	6.81	-11.26	1.81e-03	8.49e-04	2.80e-04
84	44	-5.85	28.29	-11.57	1.86e-03	5.81e-04	-9.56e-05
84	56	11.43	47.73	-11.48	1.85e-03	6.89e-04	3.22e-04
84	71	42.71	10.61	-11.31	1.82e-03	7.97e-04	2.24e-04
84	76	4.97	24.43	-11.51	1.86e-03	6.27e-04	-4.20e-06
84	88	15.97	36.99	-11.45	1.85e-03	6.97e-04	2.74e-04
85	13	0.95	32.13	-11.84	-3.37e-03	-8.94e-05	2.11e-04
85	14	0.95	32.15	-8.97	-2.39e-03	-1.23e-04	2.16e-04
85	15	12.43	-0.38	-4.18	-1.16e-03	4.47e-04	1.41e-04
85	18	0.64	21.41	-8.32	-2.36e-03	-6.84e-05	1.40e-04
85	20	0.01	-0.03	-4.26	-1.19e-03	-8.82e-05	-2.94e-06
85	22	0.64	21.41	-8.32	-2.36e-03	-6.84e-05	1.40e-04
85	28	0.03	-0.07	-11.84	-3.37e-03	-9.00e-05	-7.69e-06
85	30	60.23	17.76	-7.73	-2.11e-03	5.26e-04	1.89e-03
85	40	-3.72	27.27	-8.24	-2.26e-03	3.37e-04	2.00e-05
85	56	19.83	46.45	-8.07	-2.21e-03	4.39e-04	3.06e-04
85	62	46.04	17.44	-7.81	-2.14e-03	4.95e-04	1.19e-03
85	72	6.66	23.66	-8.13	-2.23e-03	3.78e-04	5.59e-05
85	88	21.76	36.11	-8.02	-2.20e-03	4.44e-04	2.52e-04
86	13	0.65	32.15	-16.02	-2.46e-03	-1.21e-04	2.12e-04
86	14	0.64	32.17	-11.85	-1.64e-03	-6.61e-05	2.16e-04
86	15	12.22	-0.38	-5.60	-8.19e-04	5.96e-04	1.47e-04
86	18	0.44	21.43	-11.25	-1.73e-03	-9.06e-05	1.41e-04
86	20	0.02	-0.02	-5.71	-8.48e-04	-1.01e-04	-2.02e-06
86	22	0.44	21.43	-11.25	-1.73e-03	-9.06e-05	1.41e-04
86	28	0.04	-0.05	-16.02	-2.47e-03	-1.21e-04	-6.39e-06
86	30	57.84	17.77	-10.31	-1.48e-03	7.38e-04	1.90e-03
86	40	-3.52	27.28	-11.00	-1.60e-03	4.88e-04	2.02e-05
86	56	19.96	46.46	-10.77	-1.56e-03	6.20e-04	3.10e-04
86	70	44.76	20.49	-10.39	-1.50e-03	7.09e-04	5.33e-04
86	72	6.74	23.67	-10.86	-1.58e-03	5.41e-04	5.84e-05
86	88	21.80	36.12	-10.71	-1.55e-03	6.26e-04	2.57e-04
87	6	0.05	-0.03	-18.73	-1.31e-03	-1.40e-04	-2.78e-06
87	14	0.33	32.19	-13.59	-7.93e-04	-3.67e-05	2.16e-04
87	15	12.01	-0.38	-6.49	-4.15e-04	7.26e-04	1.54e-04
87	18	0.24	21.45	-13.15	-9.19e-04	-1.03e-04	1.43e-04
87	19	0.04	-0.02	-13.15	-9.20e-04	-1.03e-04	-1.89e-06
87	20	0.02	-9.81e-03	-6.63	-4.41e-04	-9.77e-05	0.0
87	22	0.24	21.45	-13.15	-9.19e-04	-1.03e-04	1.43e-04
87	27	0.04	-0.02	-13.15	-9.20e-04	-1.03e-04	-1.89e-06
87	28	0.05	-0.03	-18.73	-1.31e-03	-1.40e-04	-2.78e-06
87	38	55.95	22.44	-11.85	-7.31e-04	9.01e-04	7.98e-04
87	40	-3.26	27.30	-12.73	-8.05e-04	6.08e-04	1.87e-05
87	56	20.24	46.48	-12.46	-7.69e-04	7.54e-04	3.15e-04
87	70	44.21	20.50	-12.00	-7.44e-04	8.51e-04	5.46e-04
87	72	6.85	23.68	-12.56	-7.90e-04	6.67e-04	6.04e-05
87	88	21.93	36.14	-12.38	-7.67e-04	7.60e-04	2.63e-04
88	13	0.66	32.62	-15.97	-2.47e-03	3.34e-05	2.12e-04
88	15	12.26	-0.10	-6.68	-1.01e-03	7.05e-04	1.47e-04
88	18	0.44	21.75	-11.21	-1.73e-03	2.02e-05	1.41e-04
88	20	0.02	0.02	-5.61	-8.44e-04	-2.08e-05	-2.42e-06
88	22	0.44	21.75	-11.21	-1.73e-03	2.02e-05	1.41e-04
88	28	0.04	0.06	-15.97	-2.47e-03	3.27e-05	-6.33e-06
88	30	57.94	18.25	-11.67	-1.71e-03	8.85e-04	1.90e-03
88	44	-4.28	28.29	-11.99	-1.76e-03	6.58e-04	-7.37e-05
88	56	20.00	47.72	-11.91	-1.74e-03	7.80e-04	3.09e-04
88	70	44.81	21.03	-11.72	-1.71e-03	8.67e-04	5.32e-04
88	76	6.29	24.44	-11.93	-1.75e-03	7.07e-04	0.0
88	88	21.83	36.98	-11.88	-1.74e-03	7.84e-04	2.56e-04
89	6	0.02	0.08	-6.30	3.99e-03	-1.63e-04	1.07e-05
89	13	-1.24	32.29	-6.30	3.98e-03	-1.64e-04	2.28e-04
89	15	10.83	-0.37	-2.24	1.41e-03	2.42e-04	1.73e-04
89	18	-0.83	21.53	-4.43	2.80e-03	-1.20e-04	1.52e-04
89	19	0.02	0.06	-4.43	2.80e-03	-1.20e-04	7.62e-06
89	20	9.97e-03	0.03	-2.29	1.43e-03	-1.08e-04	4.87e-06
89	22	-0.83	21.53	-4.43	2.80e-03	-1.20e-04	1.52e-04
89	27	0.02	0.06	-4.43	2.80e-03	-1.20e-04	7.62e-06
89	28	0.02	0.08	-6.30	3.99e-03	-1.63e-04	1.07e-05
89	39	52.54	7.00	-3.90	2.49e-03	2.77e-04	3.10e-04
89	40	-6.16	27.35	-4.21	2.68e-03	2.03e-04	1.49e-06
89	56	11.23	46.52	-4.12	2.62e-03	2.35e-04	3.36e-04
89	71	41.80	10.62	-3.96	2.52e-03	2.63e-04	2.49e-04
89	72	4.58	23.72	-4.15	2.64e-03	2.17e-04	6.18e-05

89	88	15.57	36.17	-4.09	2.61e-03	2.37e-04	2.89e-04
90	6	0.03	0.08	-11.60	3.40e-03	-3.03e-05	8.91e-06
90	13	-0.91	32.64	-11.60	3.40e-03	-3.00e-05	2.27e-04
90	15	11.08	-0.10	-4.84	1.41e-03	4.83e-04	1.71e-04
90	18	-0.61	21.76	-8.14	2.38e-03	-2.38e-05	1.51e-04
90	19	0.02	0.06	-8.14	2.38e-03	-2.40e-05	6.29e-06
90	20	0.01	0.03	-4.11	1.18e-03	-3.77e-05	3.47e-06
90	22	-0.61	21.76	-8.14	2.38e-03	-2.38e-05	1.51e-04
90	27	0.02	0.06	-8.14	2.38e-03	-2.40e-05	6.29e-06
90	28	0.03	0.08	-11.60	3.40e-03	-3.03e-05	8.91e-06
90	39	53.15	6.82	-8.20	2.42e-03	5.96e-04	2.96e-04
90	41	-1.39	11.71	-8.42	2.49e-03	4.17e-04	-5.73e-04
90	56	11.39	47.75	-8.36	2.48e-03	4.87e-04	3.29e-04
90	71	42.25	10.63	-8.23	2.44e-03	5.60e-04	2.38e-04
90	76	5.05	24.44	-8.38	2.48e-03	4.45e-04	0.0
90	88	15.81	37.00	-8.34	2.47e-03	4.92e-04	2.81e-04
91	6	0.02	0.09	-6.27	3.97e-03	-3.41e-05	1.03e-05
91	13	-1.24	32.65	-6.27	3.97e-03	-3.42e-05	2.28e-04
91	15	10.83	-0.09	-2.62	1.66e-03	3.03e-04	1.72e-04
91	18	-0.82	21.77	-4.40	2.79e-03	-2.58e-05	1.52e-04
91	19	0.01	0.07	-4.41	2.79e-03	-2.57e-05	7.27e-06
91	20	7.14e-03	0.03	-2.24	1.40e-03	-2.96e-05	4.17e-06
91	22	-0.82	21.77	-4.40	2.79e-03	-2.58e-05	1.52e-04
91	27	0.01	0.07	-4.41	2.79e-03	-2.57e-05	7.27e-06
91	28	0.02	0.09	-6.27	3.97e-03	-3.41e-05	1.03e-05
91	39	52.54	6.83	-4.41	2.82e-03	3.78e-04	3.09e-04
91	41	-0.76	11.72	-4.53	2.89e-03	2.43e-04	-5.70e-04
91	56	11.23	47.76	-4.49	2.87e-03	2.72e-04	3.36e-04
91	71	41.81	10.63	-4.43	2.84e-03	3.51e-04	2.48e-04
91	73	8.13	13.78	-4.51	2.88e-03	2.65e-04	-3.00e-04
91	88	15.57	37.01	-4.48	2.87e-03	2.83e-04	2.89e-04
92	6	0.05	0.03	-18.69	1.34e-03	-1.75e-04	2.79e-06
92	13	-0.27	32.24	-18.69	1.34e-03	-1.74e-04	2.21e-04
92	15	11.56	-0.38	-6.47	4.37e-04	6.99e-04	1.61e-04
92	18	-0.18	21.49	-13.12	9.35e-04	-1.27e-04	1.47e-04
92	19	0.04	0.02	-13.12	9.35e-04	-1.28e-04	1.89e-06
92	20	0.02	9.01e-03	-6.62	4.46e-04	-1.12e-04	0.0
92	22	-0.18	21.49	-13.12	9.35e-04	-1.27e-04	1.47e-04
92	27	0.04	0.02	-13.12	9.35e-04	-1.28e-04	1.89e-06
92	28	0.05	0.03	-18.69	1.34e-03	-1.75e-04	2.79e-06
92	39	54.46	7.00	-11.60	8.52e-04	8.87e-04	2.63e-04
92	40	-6.84	27.33	-12.55	9.28e-04	5.67e-04	-2.43e-06
92	56	11.32	46.51	-12.28	9.06e-04	7.12e-04	3.16e-04
92	71	43.18	10.62	-11.78	8.66e-04	8.28e-04	2.10e-04
92	72	4.43	23.71	-12.38	9.14e-04	6.25e-04	5.00e-05
92	88	16.04	36.16	-12.20	9.00e-04	7.18e-04	2.67e-04
93	6	0.04	0.05	-15.91	2.49e-03	-1.88e-04	6.39e-06
93	13	-0.59	32.26	-15.91	2.49e-03	-1.87e-04	2.24e-04
93	15	11.32	-0.37	-5.56	8.40e-04	5.47e-04	1.66e-04
93	18	-0.39	21.51	-11.17	1.75e-03	-1.38e-04	1.50e-04
93	19	0.03	0.04	-11.18	1.75e-03	-1.38e-04	4.46e-06
93	20	0.02	0.02	-5.68	8.57e-04	-1.29e-04	2.00e-06
93	22	-0.39	21.51	-11.17	1.75e-03	-1.38e-04	1.50e-04
93	27	0.03	0.04	-11.18	1.75e-03	-1.38e-04	4.46e-06
93	28	0.04	0.05	-15.91	2.49e-03	-1.88e-04	6.39e-06
93	39	53.78	7.00	-9.87	1.56e-03	7.12e-04	2.81e-04
93	40	-6.55	27.34	-10.67	1.69e-03	4.23e-04	-2.13e-06
93	56	11.43	46.52	-10.44	1.65e-03	5.54e-04	3.23e-04
93	71	42.71	10.62	-10.02	1.58e-03	6.59e-04	2.25e-04
93	72	4.52	23.71	-10.52	1.66e-03	4.76e-04	5.36e-05
93	88	15.97	36.16	-10.37	1.64e-03	5.60e-04	2.75e-04
94	14	1.56	32.46	-0.50	-3.26e-03	5.68e-05	2.18e-04
94	15	12.83	-0.17	-0.16	-1.84e-03	4.51e-05	1.41e-04
94	18	1.04	21.62	-0.27	-2.93e-03	3.99e-05	1.43e-04
94	19	7.72e-04	-0.07	-0.27	-2.91e-03	3.95e-05	-3.39e-06
94	20	4.30e-04	-0.03	-0.15	-1.48e-03	1.81e-05	-1.09e-06
94	21	5.12e-04	-0.05	-0.35	-2.30e-03	3.93e-05	-1.73e-06
94	22	1.04	21.62	-0.27	-2.93e-03	3.99e-05	1.43e-04
94	25	-3.55	-0.07	-0.50	-3.22e-03	5.59e-05	-3.32e-06
94	28	1.09e-03	-0.10	-0.38	-4.15e-03	5.66e-05	-4.92e-06
94	30	65.28	18.12	-0.34	-3.22e-03	6.80e-05	1.90e-03
94	32	-9.80	32.67	-0.36	-3.29e-03	6.45e-05	-1.10e-03
94	56	19.89	47.56	-0.36	-3.27e-03	6.54e-05	3.06e-04
94	62	49.16	17.82	-0.34	-3.23e-03	6.76e-05	1.20e-03
94	64	4.00	27.12	-0.36	-3.27e-03	6.13e-05	-6.13e-04
94	88	21.90	36.83	-0.35	-3.27e-03	6.58e-05	2.53e-04
95	13	0.36	32.59	-18.70	-1.31e-03	7.69e-06	2.12e-04

95	15	12.05	-0.11	-7.79	-5.20e-04	8.38e-04	1.53e-04
95	18	0.24	21.73	-13.12	-9.20e-04	1.86e-06	1.41e-04
95	20	0.02	0.01	-6.54	-4.42e-04	-3.27e-05	-1.59e-06
95	22	0.24	21.73	-13.12	-9.20e-04	1.86e-06	1.41e-04
95	28	0.05	0.03	-18.70	-1.31e-03	7.05e-06	-5.83e-06
95	38	56.02	23.07	-13.51	-8.49e-04	1.09e-03	7.97e-04
95	44	-3.96	28.27	-13.90	-8.85e-04	7.60e-04	-7.66e-05
95	56	20.28	47.71	-13.80	-8.75e-04	9.12e-04	3.13e-04
95	70	44.27	21.01	-13.59	-8.56e-04	1.03e-03	5.45e-04
95	76	6.44	24.41	-13.83	-8.78e-04	8.21e-04	1.04e-06
95	88	21.97	36.96	-13.77	-8.72e-04	9.19e-04	2.61e-04
96	14	1.56	32.11	-0.45	-3.31e-03	5.91e-05	2.05e-04
96	15	12.83	-0.39	-0.14	-1.71e-03	4.00e-05	1.36e-04
96	18	1.04	21.39	-0.26	-2.95e-03	3.71e-05	1.37e-04
96	19	1.53e-03	-0.06	-0.26	-2.93e-03	3.67e-05	-7.74e-06
96	20	8.44e-04	-0.03	-0.16	-1.49e-03	1.56e-05	-4.88e-06
96	21	1.06e-03	-0.05	-0.32	-2.33e-03	4.06e-05	-8.42e-06
96	22	1.04	21.39	-0.26	-2.95e-03	3.71e-05	1.37e-04
96	25	-3.55	-0.07	-0.45	-3.27e-03	5.82e-05	-9.22e-06
96	28	2.17e-03	-0.09	-0.37	-4.17e-03	5.27e-05	-1.09e-05
96	30	65.24	17.73	-0.30	-3.06e-03	6.42e-05	1.85e-03
96	40	-3.99	27.24	-0.33	-3.21e-03	5.88e-05	1.47e-05
96	56	19.88	46.40	-0.31	-3.17e-03	6.23e-05	2.94e-04
96	62	49.14	17.41	-0.30	-3.09e-03	6.35e-05	1.16e-03
96	72	6.58	23.63	-0.32	-3.18e-03	6.00e-05	4.70e-05
96	88	21.90	36.07	-0.31	-3.15e-03	6.22e-05	2.39e-04
97	13	0.64	32.11	-16.25	-2.47e-03	-2.96e-04	0.0
97	15	12.24	-0.44	-5.21	-7.50e-04	5.31e-04	0.0
97	18	0.43	21.41	-11.42	-1.73e-03	-2.15e-04	0.0
97	20	0.01	0.02	-5.84	-8.47e-04	-1.75e-04	0.0
97	22	0.43	21.41	-11.42	-1.73e-03	-2.15e-04	0.0
97	28	0.03	0.07	-16.25	-2.47e-03	-2.97e-04	0.0
97	30	57.83	17.39	-9.85	-1.40e-03	6.23e-04	0.0
97	40	-3.49	27.13	-10.73	-1.53e-03	3.76e-04	0.0
97	56	19.99	46.08	-10.43	-1.46e-03	5.07e-04	0.0
97	70	44.78	20.33	-9.95	-1.41e-03	5.95e-04	0.0
97	72	6.76	23.58	-10.55	-1.50e-03	4.29e-04	0.0
97	88	21.83	35.89	-10.36	-1.46e-03	5.13e-04	0.0
98	6	0.04	0.04	-19.03	-1.31e-03	-4.64e-04	0.0
98	13	0.34	32.08	-19.03	-1.31e-03	-4.63e-04	0.0
98	15	12.04	-0.47	-6.00	-3.64e-04	6.49e-04	0.0
98	18	0.22	21.39	-13.36	-9.14e-04	-3.27e-04	0.0
98	19	0.03	0.03	-13.36	-9.14e-04	-3.27e-04	0.0
98	20	0.01	0.01	-6.76	-4.31e-04	-1.80e-04	0.0
98	22	0.22	21.39	-13.36	-9.14e-04	-3.27e-04	0.0
98	27	0.03	0.03	-13.36	-9.14e-04	-3.27e-04	0.0
98	28	0.04	0.04	-19.03	-1.31e-03	-4.64e-04	0.0
98	38	55.98	22.14	-11.30	-6.73e-04	7.16e-04	0.0
98	40	-3.22	27.11	-12.40	-7.66e-04	4.06e-04	0.0
98	56	20.28	46.06	-12.05	-7.20e-04	5.60e-04	0.0
98	70	44.24	20.29	-11.48	-6.88e-04	6.64e-04	0.0
98	72	6.89	23.55	-12.18	-7.47e-04	4.68e-04	0.0
98	88	21.97	35.86	-11.96	-7.18e-04	5.67e-04	0.0
99	6	0.04	-0.04	-18.96	1.35e-03	-5.00e-04	0.0
99	14	-0.30	32.02	-13.40	9.75e-04	-2.29e-04	0.0
99	15	11.59	-0.52	-5.97	3.85e-04	6.13e-04	0.0
99	18	-0.19	21.33	-13.31	9.48e-04	-3.53e-04	0.0
99	19	0.03	-0.03	-13.32	9.47e-04	-3.53e-04	0.0
99	20	0.01	-0.01	-6.74	4.43e-04	-1.99e-04	0.0
99	22	-0.19	21.33	-13.31	9.48e-04	-3.53e-04	0.0
99	27	0.03	-0.03	-13.32	9.47e-04	-3.53e-04	0.0
99	28	0.04	-0.04	-18.96	1.35e-03	-5.00e-04	0.0
99	39	54.49	6.99	-11.01	7.95e-04	6.96e-04	0.0
99	40	-6.81	27.04	-12.21	8.95e-04	3.59e-04	0.0
99	56	11.35	45.98	-11.85	8.66e-04	5.12e-04	0.0
99	71	43.21	10.55	-11.23	8.13e-04	6.34e-04	0.0
99	72	4.46	23.48	-11.99	8.77e-04	4.21e-04	0.0
99	88	16.07	35.78	-11.76	8.58e-04	5.19e-04	0.0
100	6	0.03	-0.07	-16.10	2.52e-03	-3.76e-04	0.0
100	14	-0.62	31.99	-11.43	1.77e-03	-2.58e-04	0.0
100	15	11.34	-0.55	-5.15	7.69e-04	4.68e-04	0.0
100	18	-0.40	21.31	-11.31	1.77e-03	-2.71e-04	0.0
100	19	0.02	-0.05	-11.31	1.77e-03	-2.72e-04	0.0
100	20	0.01	-0.03	-5.81	8.62e-04	-2.09e-04	0.0
100	22	-0.40	21.31	-11.31	1.77e-03	-2.71e-04	0.0
100	27	0.02	-0.05	-11.31	1.77e-03	-2.72e-04	0.0
100	28	0.03	-0.07	-16.10	2.52e-03	-3.76e-04	0.0

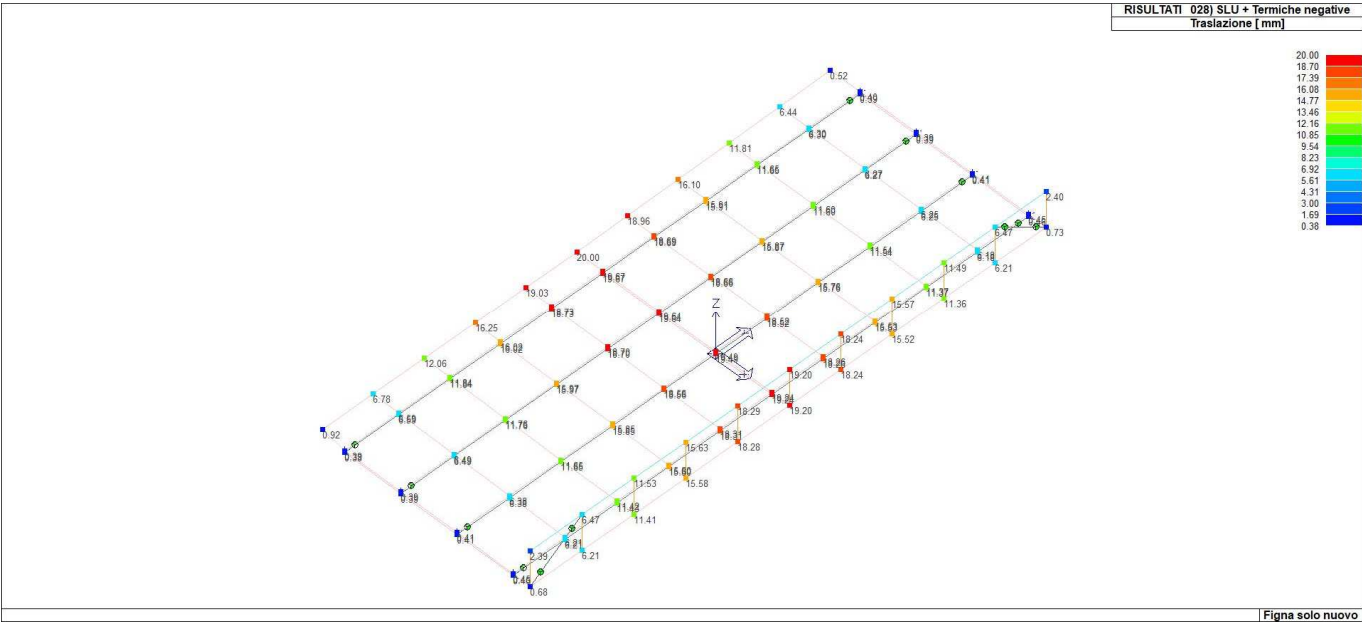
100	39	53.80	6.94	-9.34	1.47e-03	5.86e-04	0.0
100	40	-6.53	27.01	-10.36	1.63e-03	3.03e-04	0.0
100	56	11.45	45.93	-9.89	1.59e-03	4.31e-04	0.0
100	71	42.73	10.50	-9.53	1.50e-03	5.34e-04	0.0
100	72	4.54	23.45	-10.17	1.60e-03	3.55e-04	0.0
100	88	15.99	35.73	-9.87	1.58e-03	4.37e-04	0.0
101	6	0.02	-0.10	-11.81	3.42e-03	-3.30e-04	0.0
101	14	-0.94	31.97	-8.41	2.41e-03	-2.55e-04	0.0
101	15	11.09	-0.57	-3.82	1.10e-03	3.06e-04	0.0
101	18	-0.62	21.29	-8.30	2.40e-03	-2.39e-04	0.0
101	19	0.02	-0.07	-8.30	2.40e-03	-2.40e-04	0.0
101	20	7.93e-03	-0.03	-4.31	1.21e-03	-1.97e-04	0.0
101	22	-0.62	21.29	-8.30	2.40e-03	-2.39e-04	0.0
101	27	0.02	-0.07	-8.30	2.40e-03	-2.40e-04	0.0
101	28	0.02	-0.10	-11.81	3.42e-03	-3.30e-04	0.0
101	39	53.16	6.90	-6.84	2.00e-03	3.85e-04	0.0
101	40	-6.31	26.98	-7.58	2.23e-03	1.89e-04	0.0
101	56	11.40	45.89	-7.24	2.17e-03	2.77e-04	0.0
101	71	42.26	10.46	-6.98	2.04e-03	3.49e-04	0.0
101	72	4.58	23.42	-7.44	2.19e-03	2.25e-04	0.0
101	88	15.82	35.69	-7.23	2.15e-03	2.81e-04	0.0
102	6	0.01	-0.11	-6.44	4.01e-03	-2.74e-04	0.0
102	14	-1.26	31.95	-4.61	2.84e-03	-2.24e-04	0.0
102	15	10.84	-0.58	-2.10	1.30e-03	1.36e-04	0.0
102	18	-0.83	21.27	-4.53	2.82e-03	-1.98e-04	0.0
102	19	8.51e-03	-0.08	-4.53	2.82e-03	-1.99e-04	0.0
102	20	4.18e-03	-0.04	-2.39	1.45e-03	-1.64e-04	0.0
102	22	-0.83	21.27	-4.53	2.82e-03	-1.98e-04	0.0
102	27	8.51e-03	-0.08	-4.53	2.82e-03	-1.99e-04	0.0
102	28	0.01	-0.11	-6.44	4.01e-03	-2.74e-04	0.0
102	39	52.54	6.87	-3.71	2.34e-03	1.64e-04	0.0
102	40	-6.15	26.96	-4.10	2.58e-03	6.18e-05	0.0
102	56	11.24	45.86	-3.93	2.47e-03	1.07e-04	0.0
102	71	41.81	10.44	-3.78	2.38e-03	1.45e-04	0.0
102	72	4.59	23.39	-4.03	2.54e-03	8.06e-05	0.0
102	88	15.57	35.66	-3.92	2.47e-03	1.09e-04	0.0
103	13	-0.25	33.31	-18.26	1.32e-03	-1.13e-04	2.20e-04
103	15	11.56	0.41	-10.80	8.17e-04	1.26e-03	1.72e-04
103	18	-0.16	22.21	-12.82	9.27e-04	-7.23e-05	1.47e-04
103	19	0.05	0.03	-12.82	9.26e-04	-7.27e-05	2.38e-06
103	20	0.02	0.01	-6.45	4.43e-04	3.09e-05	2.33e-06
103	22	-0.16	22.21	-12.82	9.27e-04	-7.23e-05	1.47e-04
103	24	-3.49	0.03	-18.26	1.32e-03	-1.13e-04	0.0
103	27	0.05	0.03	-12.82	9.26e-04	-7.27e-05	2.38e-06
103	28	0.07	0.04	-18.26	1.32e-03	-1.14e-04	3.22e-06
103	39	54.46	11.76	-17.48	1.29e-03	2.02e-03	2.83e-04
103	54	26.35	50.76	-17.08	1.31e-03	1.57e-03	1.24e-03
103	71	43.18	13.92	-17.24	1.28e-03	1.85e-03	2.29e-04
103	86	25.12	38.97	-16.99	1.29e-03	1.56e-03	8.32e-04
104	13	-0.57	33.34	-15.53	2.45e-03	-9.26e-05	2.25e-04
104	15	11.32	0.44	-9.17	1.46e-03	1.11e-03	1.70e-04
104	18	-0.37	22.23	-10.90	1.72e-03	-5.75e-05	1.51e-04
104	19	0.04	0.05	-10.91	1.72e-03	-5.78e-05	5.78e-06
104	20	0.02	0.03	-5.52	8.41e-04	4.24e-05	2.79e-06
104	22	-0.37	22.23	-10.90	1.72e-03	-5.75e-05	1.51e-04
104	24	-3.49	0.07	-15.53	2.45e-03	-9.26e-05	3.02e-06
104	27	0.04	0.05	-10.91	1.72e-03	-5.78e-05	5.78e-06
104	28	0.06	0.08	-15.53	2.45e-03	-9.30e-05	8.25e-06
104	39	53.77	11.81	-14.88	2.33e-03	2.09e-03	2.86e-04
104	54	25.21	50.81	-14.30	2.31e-03	1.57e-03	1.24e-03
104	71	42.69	13.96	-14.67	2.31e-03	1.91e-03	2.29e-04
104	86	24.31	39.02	-14.29	2.30e-03	1.57e-03	8.31e-04
105	13	1.25	32.30	-6.60	-3.96e-03	-5.68e-05	2.06e-04
105	15	12.64	-0.31	-2.35	-1.40e-03	3.05e-04	1.37e-04
105	18	0.83	21.54	-4.64	-2.78e-03	-4.44e-05	1.37e-04
105	20	6.10e-03	0.04	-2.39	-1.42e-03	-6.55e-05	-5.02e-06
105	22	0.83	21.54	-4.64	-2.78e-03	-4.44e-05	1.37e-04
105	28	0.02	0.11	-6.59	-3.96e-03	-5.81e-05	-1.11e-05
105	30	62.66	17.88	-4.37	-2.57e-03	2.92e-04	1.86e-03
105	40	-3.86	27.39	-4.66	-2.73e-03	2.00e-04	1.84e-05
105	56	19.82	46.56	-4.56	-2.68e-03	2.37e-04	2.96e-04
105	62	47.55	17.56	-4.42	-2.60e-03	2.79e-04	1.17e-03
105	72	6.62	23.78	-4.60	-2.70e-03	2.21e-04	5.05e-05
105	88	21.81	36.23	-4.54	-2.66e-03	2.45e-04	2.41e-04
106	13	-0.89	33.37	-11.36	3.32e-03	-8.03e-05	2.29e-04
106	15	11.07	0.46	-6.71	1.96e-03	8.67e-04	1.71e-04
106	18	-0.59	22.25	-7.98	2.33e-03	-4.94e-05	1.53e-04

106	19	0.03	0.08	-7.98	2.33e-03	-4.96e-05	7.84e-06
106	20	0.01	0.04	-4.08	1.17e-03	4.16e-05	3.78e-06
106	22	-0.59	22.25	-7.98	2.33e-03	-4.94e-05	1.53e-04
106	24	-3.50	0.10	-11.37	3.32e-03	-8.04e-05	4.78e-06
106	27	0.03	0.08	-7.98	2.33e-03	-4.96e-05	7.84e-06
106	28	0.04	0.11	-11.37	3.32e-03	-8.06e-05	1.12e-05
106	39	53.12	11.85	-10.93	3.17e-03	1.94e-03	3.00e-04
106	54	23.93	50.85	-10.45	3.10e-03	1.41e-03	1.25e-03
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106	86	23.42	39.05	-10.45	3.08e-03	1.42e-03	8.40e-04
107	13	0.95	32.29	-11.84	-3.37e-03	-8.94e-05	2.11e-04
107	15	12.45	-0.32	-4.18	-1.16e-03	4.47e-04	1.41e-04
107	18	0.63	21.53	-8.32	-2.36e-03	-6.84e-05	1.40e-04
107	20	0.01	0.03	-4.26	-1.19e-03	-8.82e-05	-2.94e-06
107	22	0.63	21.53	-8.32	-2.36e-03	-6.84e-05	1.40e-04
107	28	0.03	0.10	-11.84	-3.37e-03	-9.00e-05	-7.69e-06
107	30	60.26	17.87	-7.73	-2.11e-03	5.26e-04	1.89e-03
107	40	-3.70	27.38	-8.24	-2.26e-03	3.37e-04	2.00e-05
107	56	19.85	46.56	-8.07	-2.21e-03	4.39e-04	3.06e-04
107	62	46.06	17.54	-7.81	-2.14e-03	4.95e-04	1.19e-03
107	72	6.68	23.77	-8.13	-2.23e-03	3.78e-04	5.59e-05
107	88	21.78	36.22	-8.02	-2.20e-03	4.44e-04	2.52e-04
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108	13	-1.22	33.39	-6.17	3.87e-03	-5.56e-05	2.35e-04
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108	18	-0.81	22.26	-4.34	2.72e-03	-3.32e-05	1.57e-04
108	19	0.02	0.09	-4.34	2.72e-03	-3.39e-05	1.16e-05
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108	28	0.02	0.13	-6.17	3.87e-03	-5.67e-05	1.66e-05
108	39	52.52	11.87	-5.98	3.72e-03	1.63e-03	2.93e-04
108	54	22.56	50.88	-5.69	3.55e-03	1.18e-03	1.25e-03
108	71	41.78	14.02	-5.88	3.66e-03	1.49e-03	2.35e-04
108	86	22.47	39.08	-5.69	3.55e-03	1.20e-03	8.37e-04
109	6	0.06	0.03	-18.52	1.33e-03	-1.52e-04	2.30e-06
109	13	-0.25	32.95	-18.52	1.33e-03	-1.52e-04	2.20e-04
109	15	11.57	0.15	-9.15	7.00e-04	8.66e-04	1.62e-04
109	18	-0.17	21.97	-12.99	9.31e-04	-1.04e-04	1.46e-04
109	19	0.04	0.02	-12.99	9.30e-04	-1.05e-04	1.64e-06
109	20	0.02	0.01	-6.46	4.49e-04	-3.31e-05	1.03e-06
109	22	-0.17	21.97	-12.99	9.31e-04	-1.04e-04	1.46e-04
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109	31	51.05	17.29	-15.09	1.22e-03	1.10e-03	1.37e-03
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110	27	0.04	0.05	-11.06	1.73e-03	-1.05e-04	5.40e-06
110	28	0.06	0.07	-15.76	2.48e-03	-1.52e-04	7.71e-06
110	31	48.90	17.32	-12.67	2.12e-03	8.65e-04	1.38e-03
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110	86	24.33	37.95	-12.61	2.10e-03	7.22e-04	8.28e-04
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111	15	12.25	-0.34	-5.60	-8.19e-04	5.96e-04	1.47e-04
111	18	0.43	21.52	-11.25	-1.73e-03	-9.06e-05	1.41e-04
111	20	0.01	0.02	-5.71	-8.48e-04	-1.01e-04	-2.02e-06
111	22	0.43	21.52	-11.25	-1.73e-03	-9.06e-05	1.41e-04
111	28	0.04	0.07	-16.02	-2.47e-03	-1.21e-04	-6.39e-06
111	30	57.88	17.84	-10.31	-1.48e-03	7.38e-04	1.90e-03
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111	56	19.99	46.54	-10.77	-1.56e-03	6.20e-04	3.10e-04
111	70	44.79	20.57	-10.39	-1.50e-03	7.09e-04	5.33e-04
111	72	6.76	23.75	-10.86	-1.58e-03	5.41e-04	5.84e-05
111	88	21.83	36.20	-10.71	-1.55e-03	6.26e-04	2.57e-04
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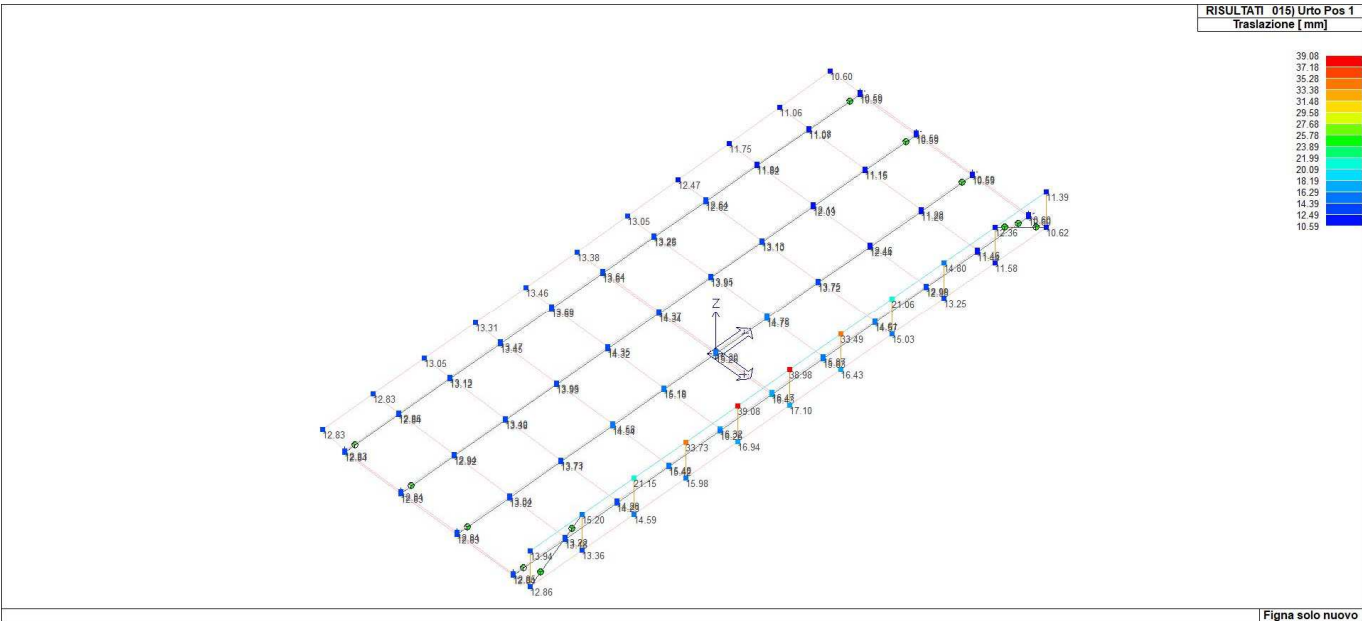


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112	18	-0.88	20.65	-0.52	2.14e-03	1.49e-04	1.04e-04
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112	27	0.16	-1.60	-0.52	2.14e-03	1.49e-04	-4.23e-05
112	28	0.22	-2.27	-0.73	3.04e-03	2.02e-04	-6.05e-05
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112	46	37.43	50.82	-1.42	2.29e-03	0.03	1.74e-03
112	70	63.62	23.64	-1.48	3.12e-03	0.04	5.06e-04
112	71	68.78	11.37	-1.45	3.48e-03	0.04	7.92e-05
112	86	41.98	37.97	-1.38	2.69e-03	0.03	8.93e-04
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113	20	0.12	0.41	-5.59	-7.36e-04	1.03e-04	1.95e-06
113	22	0.50	23.05	-10.95	-1.50e-03	4.13e-05	1.54e-04
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113	54	63.77	54.21	-16.08	-2.09e-03	0.03	1.59e-03
113	62	71.19	31.47	-16.19	-1.73e-03	0.04	1.66e-03
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113	86	56.74	41.53	-15.93	-1.96e-03	0.03	1.03e-03
114	13	0.39	33.94	-18.29	-1.12e-03	1.36e-05	2.30e-04
114	15	37.23	0.64	-11.85	-3.83e-04	0.04	-1.14e-03
114	18	0.27	22.65	-12.84	-7.86e-04	1.85e-05	1.53e-04
114	20	0.12	0.21	-6.50	-3.79e-04	9.46e-05	2.73e-06
114	22	0.27	22.65	-12.84	-7.86e-04	1.85e-05	1.53e-04
114	28	0.07	0.58	-18.28	-1.12e-03	1.29e-05	1.23e-05
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115	14	-0.78	32.13	-8.36	2.20e-03	1.24e-04	2.10e-04
115	15	12.91	-0.59	-7.20	1.90e-03	2.79e-03	1.68e-03
115	18	-0.57	21.04	-7.98	2.12e-03	3.19e-05	1.27e-04
115	19	0.06	-1.21	-7.99	2.12e-03	3.19e-05	-1.77e-05
115	20	0.11	-0.62	-4.12	1.06e-03	9.35e-05	-4.95e-06
115	22	-0.57	21.04	-7.98	2.12e-03	3.19e-05	1.27e-04
115	24	-3.48	-1.74	-11.36	3.01e-03	3.41e-05	-3.22e-05
115	27	0.06	-1.21	-7.99	2.12e-03	3.19e-05	-1.77e-05
115	28	0.07	-1.73	-11.36	3.01e-03	3.39e-05	-2.58e-05
115	39	83.40	9.58	-12.15	3.37e-03	0.04	1.39e-04
115	46	41.42	51.43	-11.23	2.75e-03	0.03	2.02e-03
115	71	69.23	11.88	-11.87	3.26e-03	0.04	1.58e-04
115	86	44.27	38.60	-11.35	2.89e-03	0.03	1.10e-03
116	6	0.13	-2.25	-6.06	3.54e-03	1.07e-04	-5.63e-05
116	14	-1.07	31.75	-4.49	2.59e-03	1.63e-04	1.86e-04
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116	20	0.12	-0.81	-2.23	1.27e-03	1.14e-04	-1.65e-05
116	22	-0.73	20.67	-4.26	2.49e-03	8.22e-05	1.07e-04
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116	28	0.13	-2.25	-6.06	3.54e-03	1.07e-04	-5.63e-05
116	39	83.06	9.11	-6.97	3.95e-03	0.04	1.11e-04
116	46	39.37	50.73	-6.15	3.32e-03	0.03	1.87e-03
116	71	68.95	11.41	-6.77	3.82e-03	0.04	1.16e-04
116	86	43.05	37.95	-6.30	3.46e-03	0.03	9.87e-04
117	13	1.07	35.07	-11.41	-3.00e-03	1.01e-04	2.47e-04
117	15	19.71	1.49	-7.54	-1.83e-03	0.01	-6.76e-03
117	18	0.73	23.44	-8.02	-2.10e-03	7.93e-05	1.65e-04
117	20	0.13	0.61	-4.13	-1.06e-03	1.17e-04	6.36e-06
117	22	0.73	23.44	-8.02	-2.10e-03	7.93e-05	1.65e-04
117	28	0.13	1.72	-11.40	-3.00e-03	1.00e-04	2.93e-05
117	30	91.18	39.58	-12.53	-2.78e-03	0.04	2.65e-03
117	34	90.11	39.64	-12.53	-2.80e-03	0.04	2.53e-03
117	54	65.17	54.59	-12.18	-2.97e-03	0.03	1.56e-03
117	62	73.18	31.93	-12.24	-2.72e-03	0.04	1.66e-03
117	66	72.53	32.04	-12.25	-2.73e-03	0.04	1.58e-03
117	86	57.59	41.97	-12.03	-2.84e-03	0.03	1.01e-03
118	13	1.46	35.60	-6.07	-3.53e-03	1.88e-04	2.77e-04
118	15	14.51	1.86	-4.13	-2.24e-03	2.85e-03	-1.28e-03
118	18	0.99	23.81	-4.27	-2.48e-03	1.40e-04	1.86e-04
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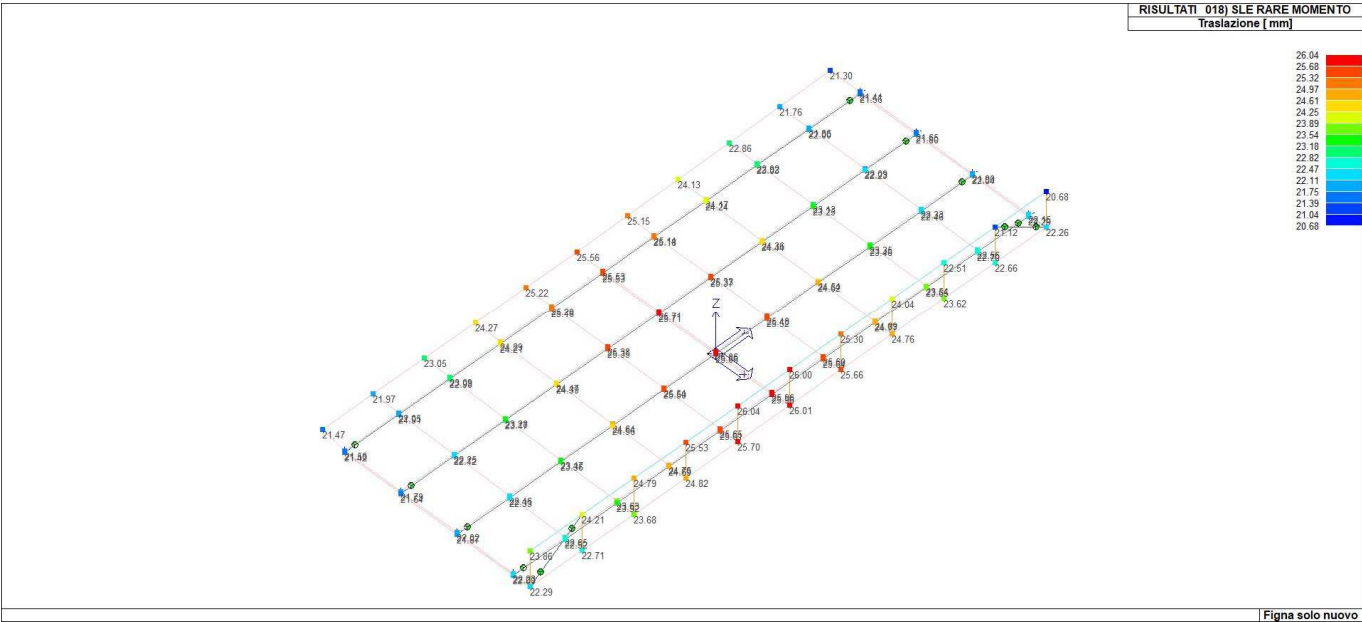
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119	18	1.27	23.83	-0.49	-2.13e-03	2.05e-04	1.90e-04					
119	20	0.18	0.81	-0.30	-1.09e-03	1.72e-04	1.95e-05					
119	21	0.20	1.25	-0.52	-1.68e-03	1.87e-04	3.56e-05					
119	22	1.27	23.83	-0.49	-2.13e-03	2.05e-04	1.90e-04					
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120	19	0.04	-0.83	-10.90	1.51e-03	6.74e-06	-4.50e-06					
120	20	0.11	-0.42	-5.56	7.46e-04	8.58e-05	0.0					
120	22	-0.37	21.42	-10.90	1.51e-03	6.91e-06	1.40e-04					
120	24	-3.50	-1.18	-15.52	2.16e-03	-2.39e-06	-1.19e-05					
120	27	0.04	-0.83	-10.90	1.51e-03	6.74e-06	-4.50e-06					
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121	14	-0.15	32.96	-13.40	8.69e-04	1.14e-04	2.18e-04					
121	15	31.42	-0.04	-11.59	9.88e-04	0.03	7.08e-03					
121	18	-0.16	21.82	-12.80	8.11e-04	0.0	1.43e-04					
121	19	0.04	-0.42	-12.81	8.09e-04	0.0	-1.93e-06					
121	20	0.11	-0.22	-6.49	3.92e-04	8.56e-05	0.0					
121	22	-0.16	21.82	-12.80	8.11e-04	0.0	1.43e-04					
121	24	-3.51	-0.61	-18.24	1.16e-03	-1.21e-05	-6.67e-06					
121	27	0.04	-0.42	-12.81	8.09e-04	0.0	-1.93e-06					
121	28	0.05	-0.60	-18.23	1.16e-03	-1.27e-05	-2.98e-06					
121	39	84.16	10.63	-18.75	1.55e-03	0.04	1.12e-05					
121	46	45.10	52.68	-17.73	9.87e-04	0.03	2.05e-03					
121	71	69.86	12.94	-18.41	1.47e-03	0.04	5.71e-05					
121	86	46.63	39.87	-17.85	1.12e-03	0.03	1.10e-03					
Nodo	Traslazione X		Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z					
	-15.75											
	98.09											
			-2.28	-20.00	-4.20e-03	-6.04e-04	-6.76e-03					
			54.97	-0.13	4.17e-03	0.05	7.12e-03					



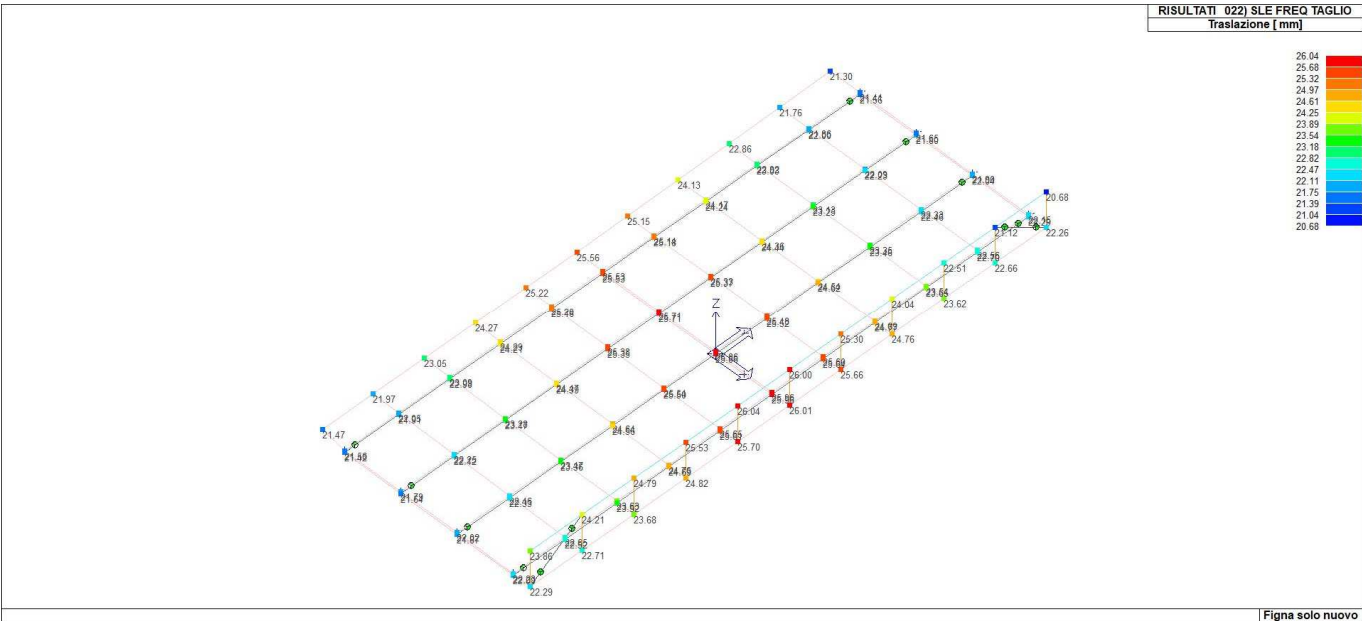
41\_RIS\_SPOSTAMENTI\_028\_SLU + Termiche negative



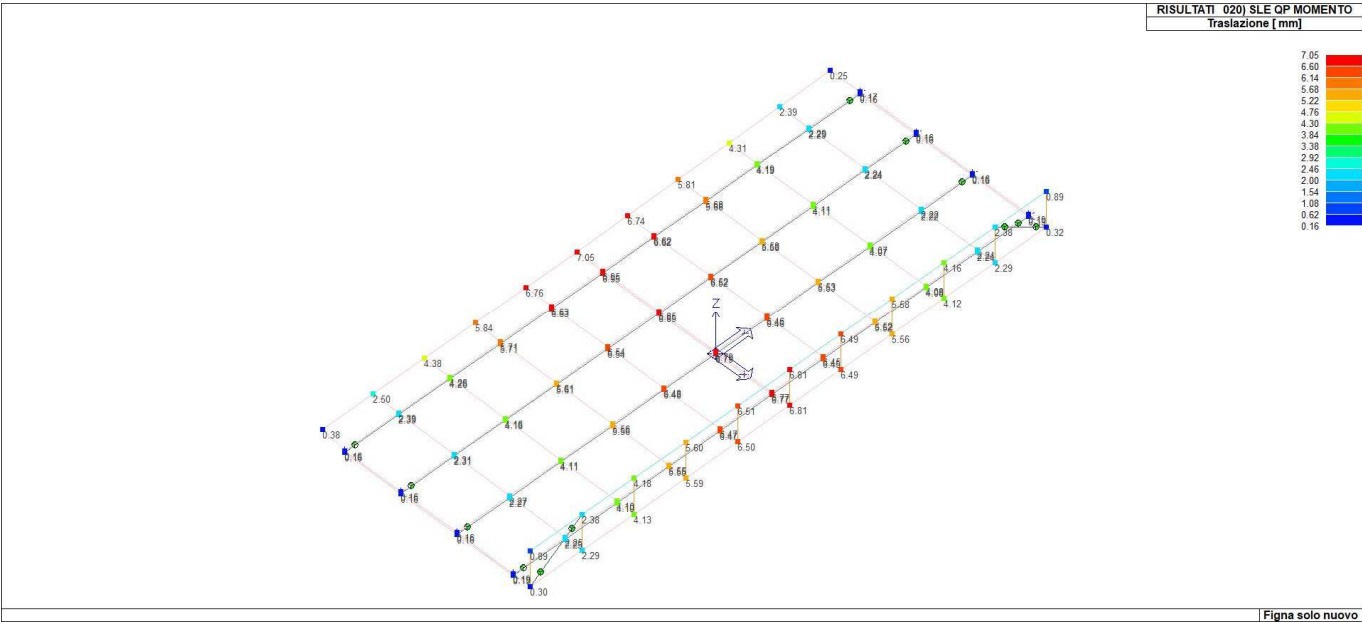
41\_RIS\_SPOSTAMENTI\_015\_Urto Pos 1



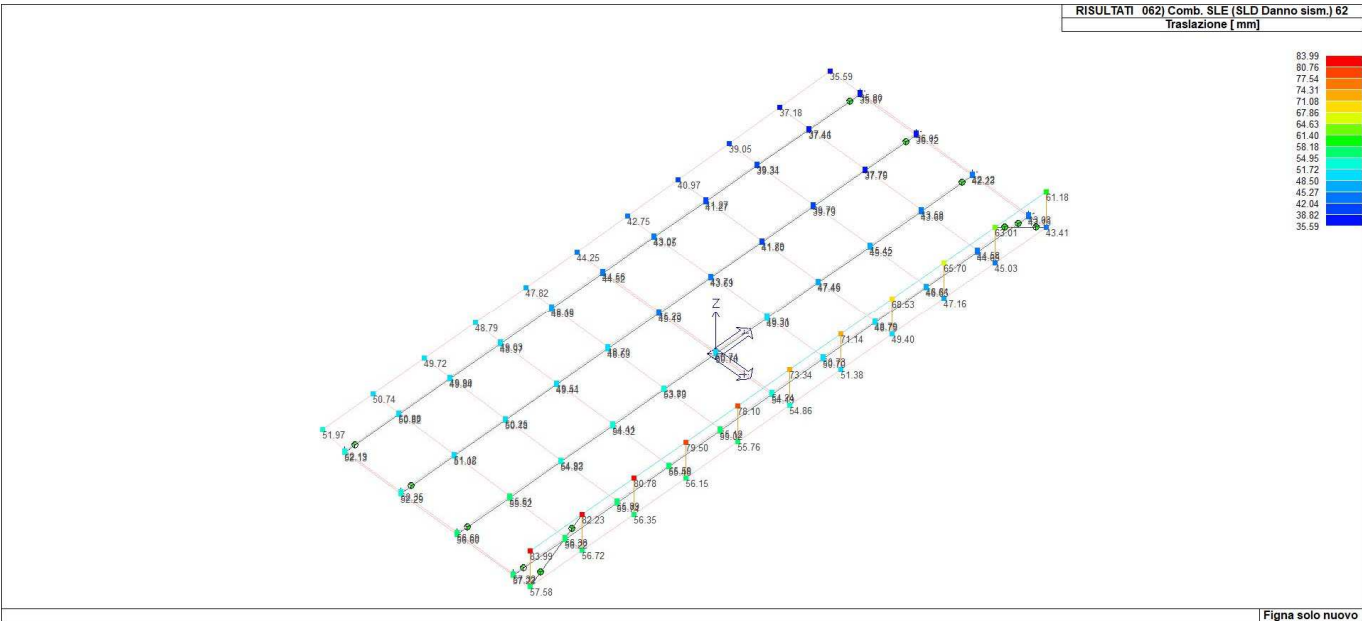
41\_RIS\_SPOSTAMENTI\_018\_SLE RARE MOMENTO



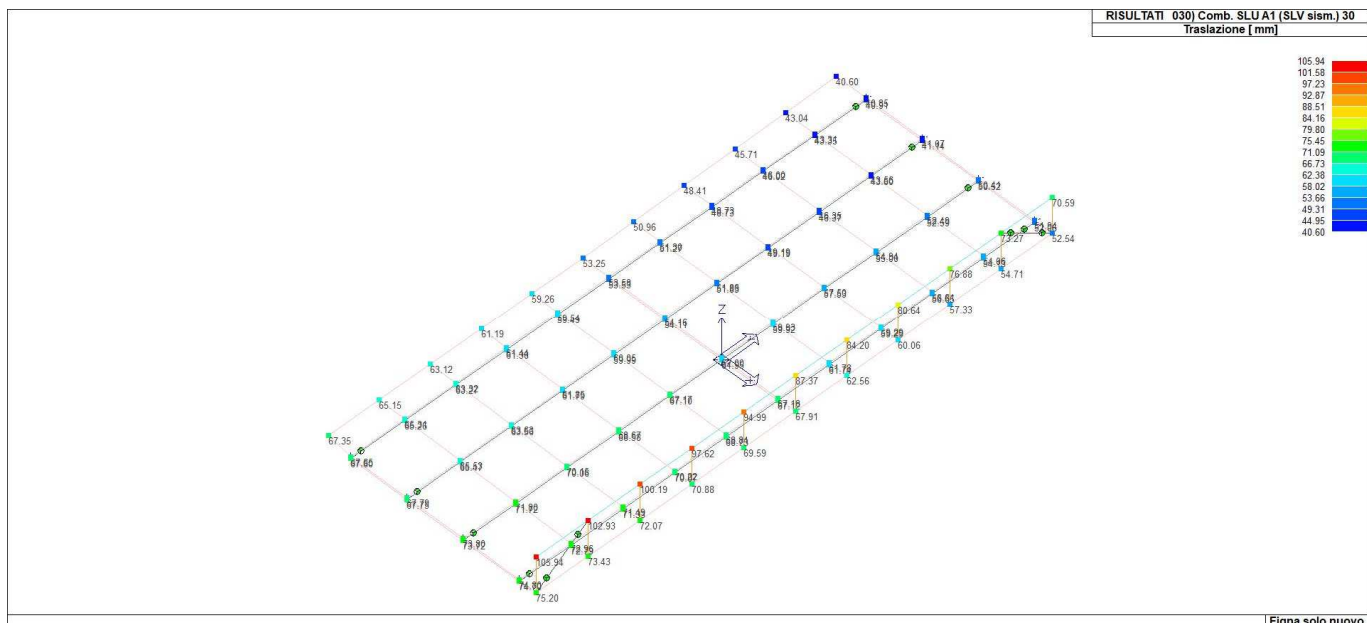
41\_RIS\_SPOSTAMENTI\_022\_SLE FREQ TAGLIO



41\_RIS\_SPOSTAMENTI\_020\_SLE QP MOMENTO



41\_RIS\_SPOSTAMENTI\_062\_Comb. SLE (SLD Danno sism.) 62



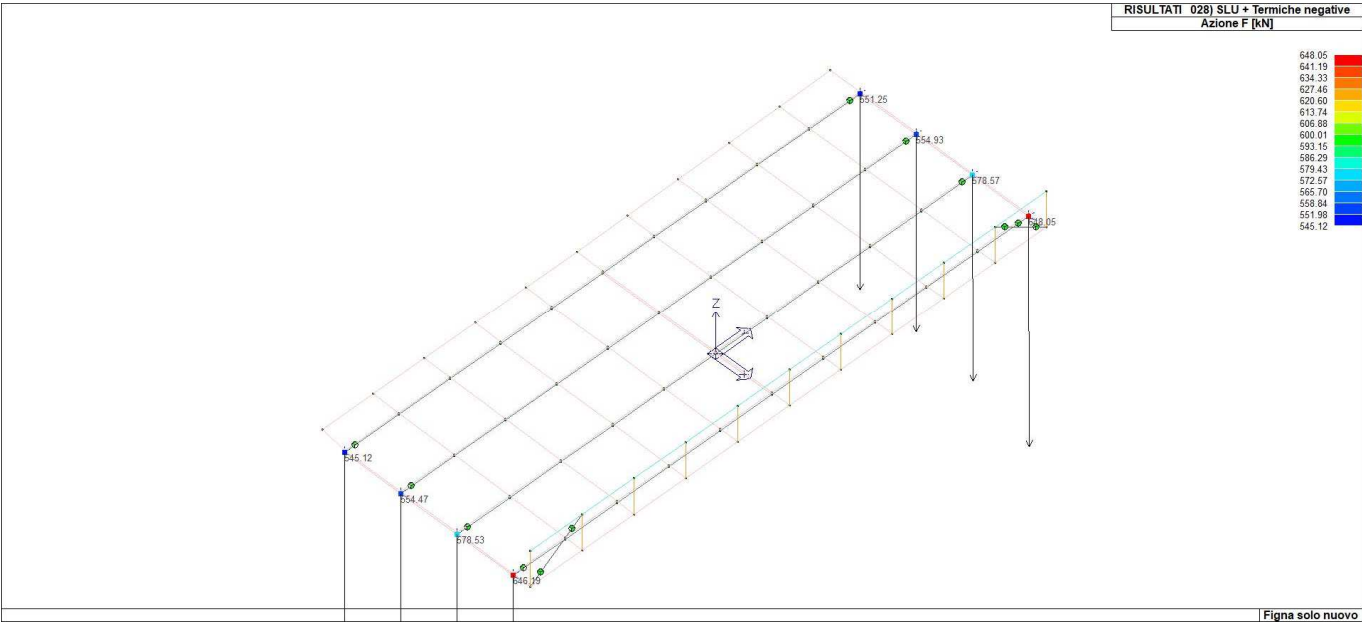
41\_RIS\_SPOSTAMENTI\_030\_Comb. SLU A1 (SLV sism.) 30

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
8	1	-3.24e-03	-0.22	-315.63	0.0	0.0	0.0
8	7	-2.40e-03	-0.17	-233.80	0.0	0.0	0.0
8	14	6.69	140.05	-740.17	0.0	0.0	0.0
8	18	4.46	93.27	-409.14	0.0	0.0	0.0
8	19	-4.69e-03	-0.33	-409.07	0.0	0.0	0.0
8	20	-2.40e-03	-0.17	-233.80	0.0	0.0	0.0
8	21	-3.25e-03	-0.25	-516.75	0.0	0.0	0.0
8	22	4.46	93.27	-409.14	0.0	0.0	0.0
8	27	-4.69e-03	-0.33	-409.07	0.0	0.0	0.0
8	28	-6.67e-03	-0.47	-578.53	0.0	0.0	0.0
8	29	-4.69e-03	-0.33	-409.07	0.0	0.0	0.0
8	30	278.90	145.94	-545.15	0.0	0.0	0.0
8	33	-67.26	3.07	-585.14	0.0	0.0	0.0
8	62	210.03	119.56	-553.00	0.0	0.0	0.0
8	65	1.61	29.44	-577.29	0.0	0.0	0.0
9	1	-0.01	-0.28	-363.00	0.0	0.0	0.0
9	7	-8.33e-03	-0.21	-268.89	0.0	0.0	0.0
9	14	6.69	141.47	-760.00	0.0	0.0	0.0
9	18	4.46	94.20	-458.04	0.0	0.0	0.0
9	19	-0.02	-0.40	-457.68	0.0	0.0	0.0
9	20	-8.33e-03	-0.21	-268.89	0.0	0.0	0.0
9	21	-0.01	-0.31	-533.20	0.0	0.0	0.0
9	22	4.46	94.20	-458.04	0.0	0.0	0.0
9	27	-0.02	-0.40	-457.68	0.0	0.0	0.0
9	28	-0.02	-0.58	-646.19	0.0	0.0	0.0
9	29	-0.02	-0.40	-457.68	0.0	0.0	0.0
9	30	279.03	154.53	-856.50	0.0	0.0	0.0
9	31	253.67	77.96	-871.84	0.0	0.0	0.0
9	32	-42.03	72.31	-736.07	0.0	0.0	0.0
9	62	210.11	124.64	-835.49	0.0	0.0	0.0
9	63	194.68	75.79	-845.57	0.0	0.0	0.0
9	64	16.96	74.48	-762.34	0.0	0.0	0.0
18	1	-6.47e-03	0.28	-362.89	0.0	0.0	0.0
18	6	-0.01	0.58	-648.05	0.0	0.0	0.0
18	7	-4.79e-03	0.21	-268.81	0.0	0.0	0.0
18	18	-4.45	95.08	-458.57	0.0	0.0	0.0
18	19	-8.88e-03	0.41	-458.91	0.0	0.0	0.0
18	20	-4.79e-03	0.21	-268.81	0.0	0.0	0.0
18	21	-6.50e-03	0.31	-365.49	0.0	0.0	0.0
18	22	-4.45	95.08	-458.57	0.0	0.0	0.0
18	27	-8.88e-03	0.41	-458.91	0.0	0.0	0.0
18	28	-0.01	0.58	-648.05	0.0	0.0	0.0
18	29	-8.88e-03	0.41	-458.91	0.0	0.0	0.0
18	30	157.68	156.67	-700.66	0.0	0.0	0.0
18	38	196.72	127.50	-720.08	0.0	0.0	0.0

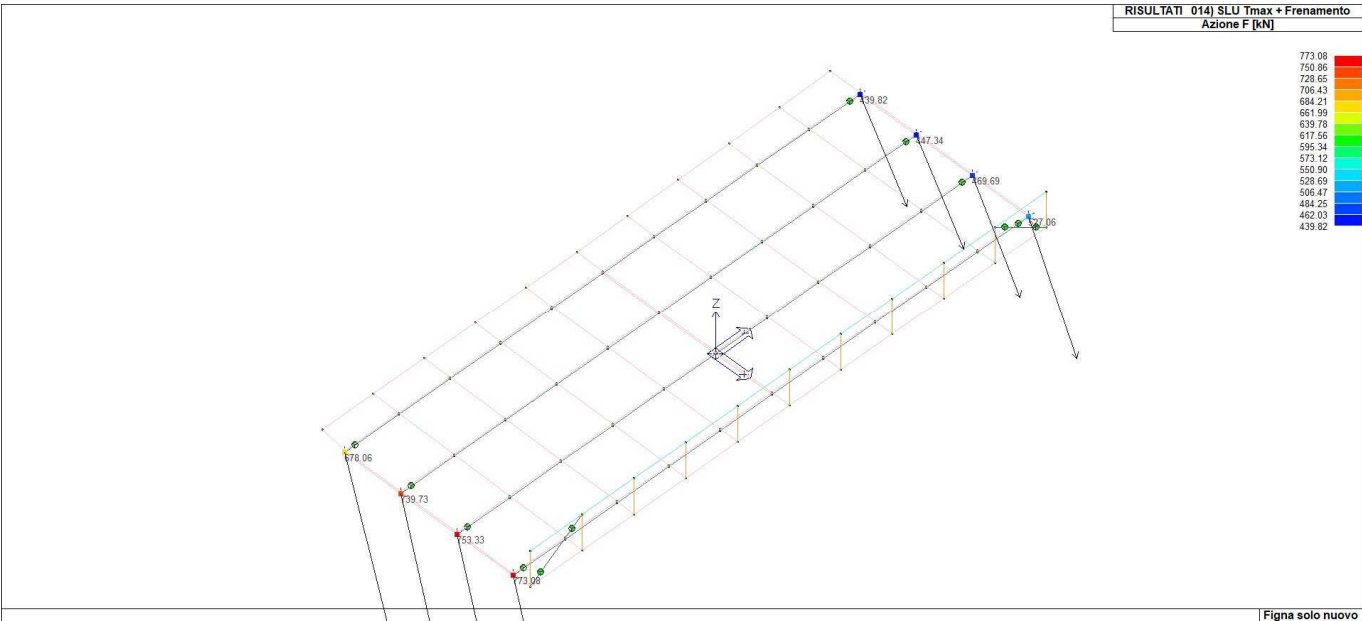
18	41	-0.52	25.48	-588.16	0.0	0.0	0.0
18	62	134.01	126.43	-682.70	0.0	0.0	0.0
18	70	160.08	108.85	-695.75	0.0	0.0	0.0
18	73	36.12	44.12	-612.49	0.0	0.0	0.0
19	1	2.19e-04	0.22	-315.06	0.0	0.0	0.0
19	6	6.92e-04	0.47	-578.57	0.0	0.0	0.0
19	7	1.62e-04	0.17	-233.37	0.0	0.0	0.0
19	18	-4.45	94.00	-408.96	0.0	0.0	0.0
19	19	4.78e-04	0.33	-409.05	0.0	0.0	0.0
19	20	1.62e-04	0.17	-233.37	0.0	0.0	0.0
19	21	5.14e-04	0.25	-322.11	0.0	0.0	0.0
19	22	-4.45	94.00	-408.96	0.0	0.0	0.0
19	27	4.78e-04	0.33	-409.05	0.0	0.0	0.0
19	28	6.92e-04	0.47	-578.57	0.0	0.0	0.0
19	29	4.78e-04	0.33	-409.05	0.0	0.0	0.0
19	30	157.56	147.32	-395.92	0.0	0.0	0.0
19	39	221.93	50.01	-382.72	0.0	0.0	0.0
19	40	-25.75	100.75	-416.32	0.0	0.0	0.0
19	62	133.93	120.71	-397.11	0.0	0.0	0.0
19	71	176.69	59.12	-388.81	0.0	0.0	0.0
19	72	19.49	91.64	-410.24	0.0	0.0	0.0
20	1	5.52e-03	0.20	-306.74	0.0	0.0	0.0
20	7	4.09e-03	0.15	-227.21	0.0	0.0	0.0
20	13	-6.68	139.42	-555.12	0.0	0.0	0.0
20	18	-4.45	92.96	-392.80	0.0	0.0	0.0
20	19	7.91e-03	0.29	-392.67	0.0	0.0	0.0
20	20	4.09e-03	0.15	-227.21	0.0	0.0	0.0
20	21	5.97e-03	0.22	-305.95	0.0	0.0	0.0
20	22	-4.45	92.96	-392.80	0.0	0.0	0.0
20	28	0.01	0.42	-554.93	0.0	0.0	0.0
20	29	7.91e-03	0.29	-392.67	0.0	0.0	0.0
20	30	157.41	77.93	-332.87	0.0	0.0	0.0
20	38	196.59	98.70	-325.22	0.0	0.0	0.0
20	41	-0.44	50.02	-368.13	0.0	0.0	0.0
20	62	133.84	76.66	-338.04	0.0	0.0	0.0
20	70	159.99	89.86	-333.06	0.0	0.0	0.0
20	73	36.16	58.86	-360.29	0.0	0.0	0.0
21	1	7.86e-03	0.18	-317.59	0.0	0.0	0.0
21	15	45.19	-1.54	-204.66	0.0	0.0	0.0
21	18	-4.46	91.93	-391.32	0.0	0.0	0.0
21	19	0.01	0.27	-391.02	0.0	0.0	0.0
21	20	5.82e-03	0.14	-235.25	0.0	0.0	0.0
21	21	8.23e-03	0.20	-301.64	0.0	0.0	0.0
21	22	-4.46	91.93	-391.32	0.0	0.0	0.0
21	24	-15.01	0.43	-551.80	0.0	0.0	0.0
21	28	0.02	0.38	-551.25	0.0	0.0	0.0
21	29	0.01	0.27	-391.02	0.0	0.0	0.0
21	30	157.26	76.09	-307.83	0.0	0.0	0.0
21	39	221.83	29.88	-300.00	0.0	0.0	0.0
21	40	-25.72	116.79	-347.66	0.0	0.0	0.0
21	62	133.74	74.69	-314.19	0.0	0.0	0.0
21	71	176.61	45.36	-308.74	0.0	0.0	0.0
21	72	19.49	101.31	-338.92	0.0	0.0	0.0
94	1	2.48e-03	-0.20	-306.33	0.0	0.0	0.0
94	7	1.83e-03	-0.15	-226.91	0.0	0.0	0.0
94	18	4.45	92.30	-392.19	0.0	0.0	0.0
94	19	3.30e-03	-0.30	-392.34	0.0	0.0	0.0
94	20	1.83e-03	-0.15	-226.91	0.0	0.0	0.0
94	21	2.18e-03	-0.22	-507.24	0.0	0.0	0.0
94	22	4.45	92.30	-392.19	0.0	0.0	0.0
94	25	-15.18	-0.31	-726.99	0.0	0.0	0.0
94	28	4.67e-03	-0.42	-554.47	0.0	0.0	0.0
94	29	3.30e-03	-0.30	-392.34	0.0	0.0	0.0
94	30	278.74	77.38	-492.22	0.0	0.0	0.0
94	31	253.44	8.06	-489.27	0.0	0.0	0.0
94	32	-41.83	139.50	-534.28	0.0	0.0	0.0
94	62	209.93	76.07	-500.02	0.0	0.0	0.0
94	63	194.54	31.75	-498.13	0.0	0.0	0.0
94	64	17.07	115.81	-525.41	0.0	0.0	0.0
96	1	4.87e-03	-0.18	-312.05	0.0	0.0	0.0
96	15	54.78	-1.65	-197.67	0.0	0.0	0.0
96	18	4.44	91.33	-386.25	0.0	0.0	0.0
96	19	6.54e-03	-0.27	-386.53	0.0	0.0	0.0
96	20	3.60e-03	-0.14	-231.15	0.0	0.0	0.0
96	21	4.52e-03	-0.20	-466.08	0.0	0.0	0.0
96	22	4.44	91.33	-386.25	0.0	0.0	0.0
96	25	-15.17	-0.28	-664.99	0.0	0.0	0.0

96	28	9.27e-03	-0.38	-545.12	0.0	0.0	0.0
96	29	6.54e-03	-0.27	-386.53	0.0	0.0	0.0
96	30	278.56	75.71	-433.02	0.0	0.0	0.0
96	39	228.59	29.87	-428.70	0.0	0.0	0.0
96	40	-17.02	116.30	-477.52	0.0	0.0	0.0
96	62	209.82	74.34	-441.03	0.0	0.0	0.0
96	71	183.46	45.27	-437.69	0.0	0.0	0.0
96	72	28.11	100.89	-468.53	0.0	0.0	0.0
Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-67.26	-1.65	-871.84	0.0	0.0	0.0
		279.03	156.67	-197.67	0.0	0.0	0.0
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
8	14	6.69	140.05	-740.17	0.0	0.0	0.0
	7	-2.40e-03	-0.17	-233.80	0.0	0.0	0.0
	1	-3.24e-03	-0.22	-315.63	0.0	0.0	0.0
	1	-3.24e-03	-0.22	-315.63	0.0	0.0	0.0
	1	-3.24e-03	-0.22	-315.63	0.0	0.0	0.0
9	1	-3.24e-03	-0.22	-315.63	0.0	0.0	0.0
	31	253.67	77.96	-871.84	0.0	0.0	0.0
	7	-8.33e-03	-0.21	-268.89	0.0	0.0	0.0
	1	-0.01	-0.28	-363.00	0.0	0.0	0.0
	1	-0.01	-0.28	-363.00	0.0	0.0	0.0
	1	-0.01	-0.28	-363.00	0.0	0.0	0.0
	1	-0.01	-0.28	-363.00	0.0	0.0	0.0
18	38	196.72	127.50	-720.08	0.0	0.0	0.0
	7	-4.79e-03	0.21	-268.81	0.0	0.0	0.0
	1	-6.47e-03	0.28	-362.89	0.0	0.0	0.0
	1	-6.47e-03	0.28	-362.89	0.0	0.0	0.0
	1	-6.47e-03	0.28	-362.89	0.0	0.0	0.0
	1	-6.47e-03	0.28	-362.89	0.0	0.0	0.0
19	6	6.92e-04	0.47	-578.57	0.0	0.0	0.0
	7	1.62e-04	0.17	-233.37	0.0	0.0	0.0
	1	2.19e-04	0.22	-315.06	0.0	0.0	0.0
	1	2.19e-04	0.22	-315.06	0.0	0.0	0.0
	1	2.19e-04	0.22	-315.06	0.0	0.0	0.0
	1	2.19e-04	0.22	-315.06	0.0	0.0	0.0
20	13	-6.68	139.42	-555.12	0.0	0.0	0.0
	7	4.09e-03	0.15	-227.21	0.0	0.0	0.0
	1	5.52e-03	0.20	-306.74	0.0	0.0	0.0
	1	5.52e-03	0.20	-306.74	0.0	0.0	0.0
	1	5.52e-03	0.20	-306.74	0.0	0.0	0.0
	1	5.52e-03	0.20	-306.74	0.0	0.0	0.0
21	24	-15.01	0.43	-551.80	0.0	0.0	0.0
	15	45.19	-1.54	-204.66	0.0	0.0	0.0
	1	7.86e-03	0.18	-317.59	0.0	0.0	0.0
	1	7.86e-03	0.18	-317.59	0.0	0.0	0.0
	1	7.86e-03	0.18	-317.59	0.0	0.0	0.0
	1	7.86e-03	0.18	-317.59	0.0	0.0	0.0
94	25	-15.18	-0.31	-726.99	0.0	0.0	0.0
	7	1.83e-03	-0.15	-226.91	0.0	0.0	0.0
	1	2.48e-03	-0.20	-306.33	0.0	0.0	0.0
	1	2.48e-03	-0.20	-306.33	0.0	0.0	0.0
	1	2.48e-03	-0.20	-306.33	0.0	0.0	0.0
	1	2.48e-03	-0.20	-306.33	0.0	0.0	0.0
96	25	-15.17	-0.28	-664.99	0.0	0.0	0.0
	15	54.78	-1.65	-197.67	0.0	0.0	0.0
	1	4.87e-03	-0.18	-312.05	0.0	0.0	0.0
	1	4.87e-03	-0.18	-312.05	0.0	0.0	0.0
	1	4.87e-03	-0.18	-312.05	0.0	0.0	0.0
	1	4.87e-03	-0.18	-312.05	0.0	0.0	0.0

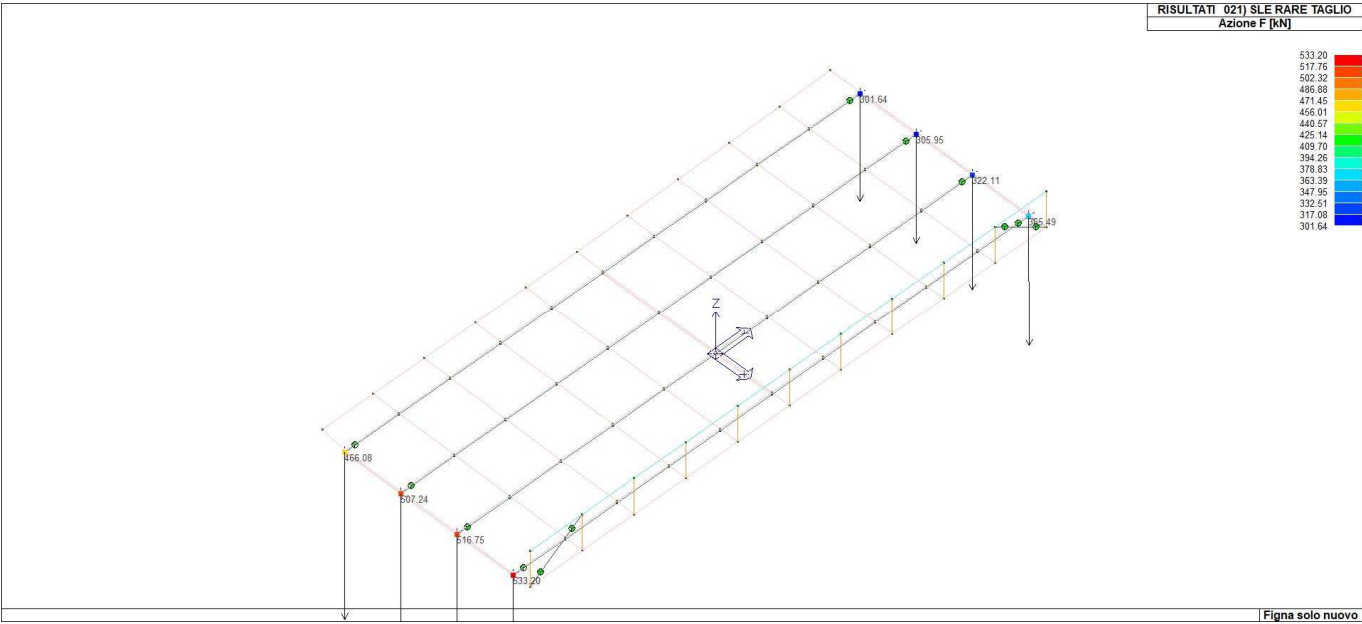




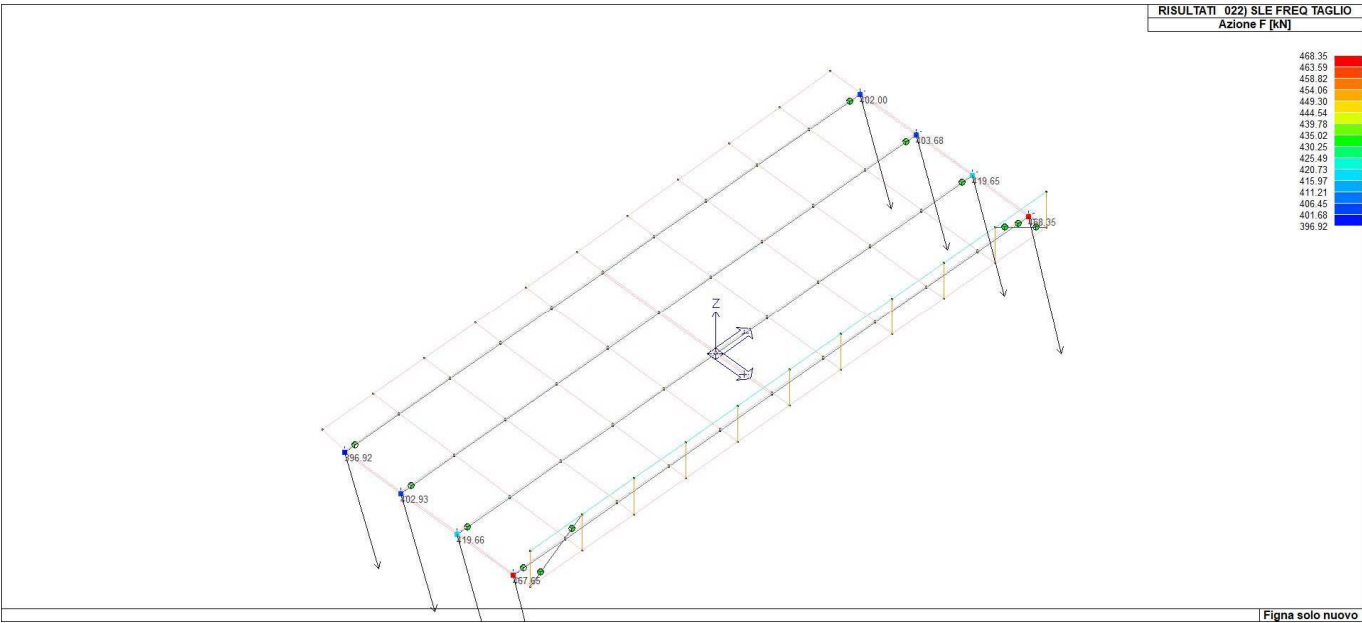
42\_RIS\_REAZIONI\_028\_SLU + Termiche negative



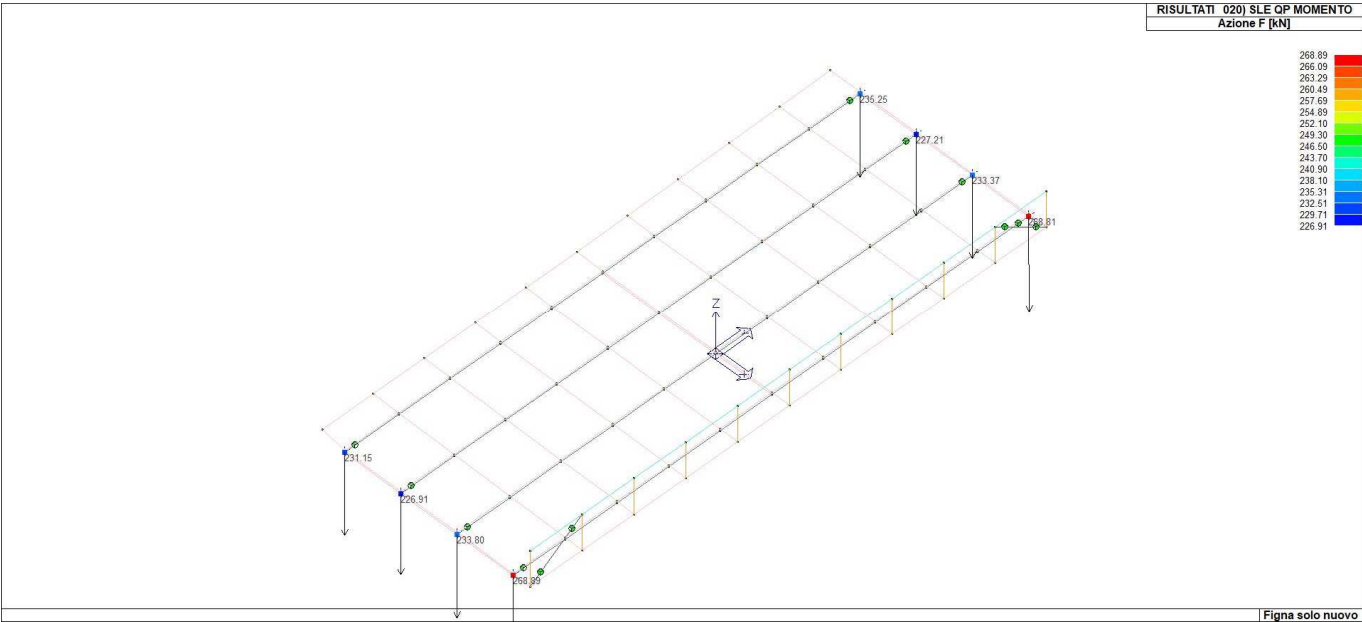
42\_RIS\_REAZIONI\_014\_SLU Tmax + Frenamento



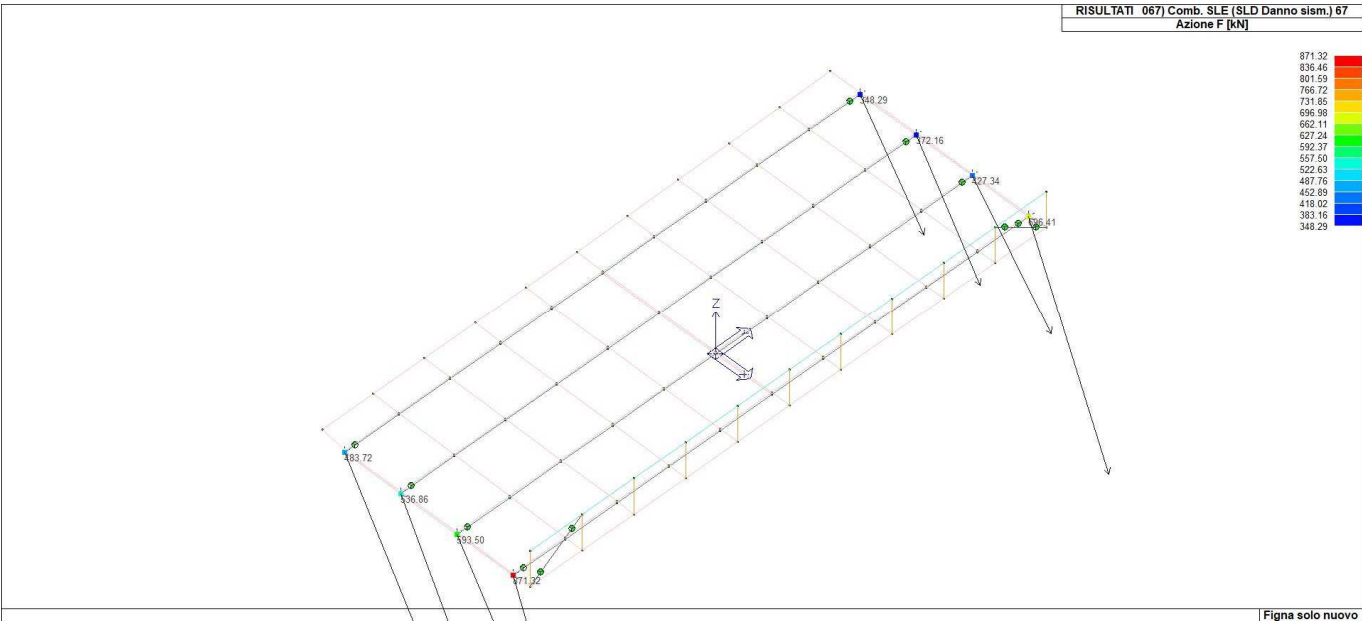
42\_RIS\_REAZIONI\_021\_SLE RARE TAGLIO



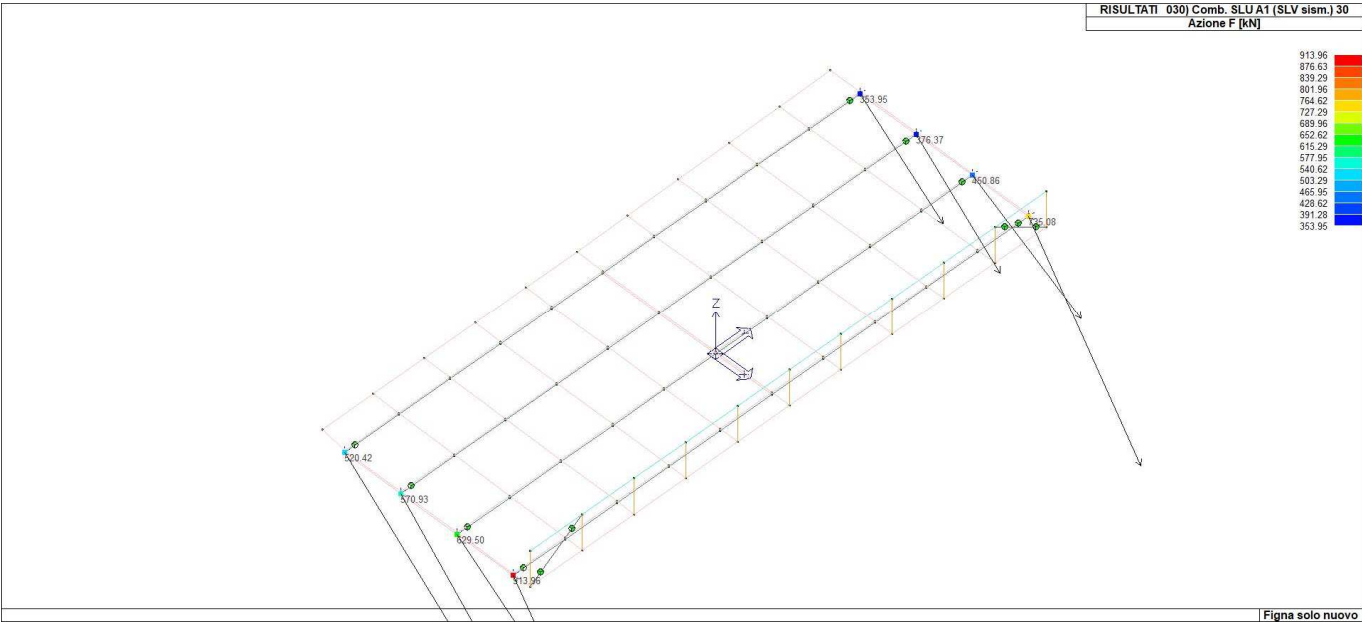
42\_RIS\_REAZIONI\_022\_SLE FREQ TAGLIO



42\_RIS\_REAZIONI\_020\_SLE QP MOMENTO



42\_RIS\_REAZIONI\_067\_Comb. SLE (SLD Danno sism.) 67



42\_RIS\_REAZIONI\_030\_Comb. SLU A1 (SLV sism.) 30

# 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 **pilaastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

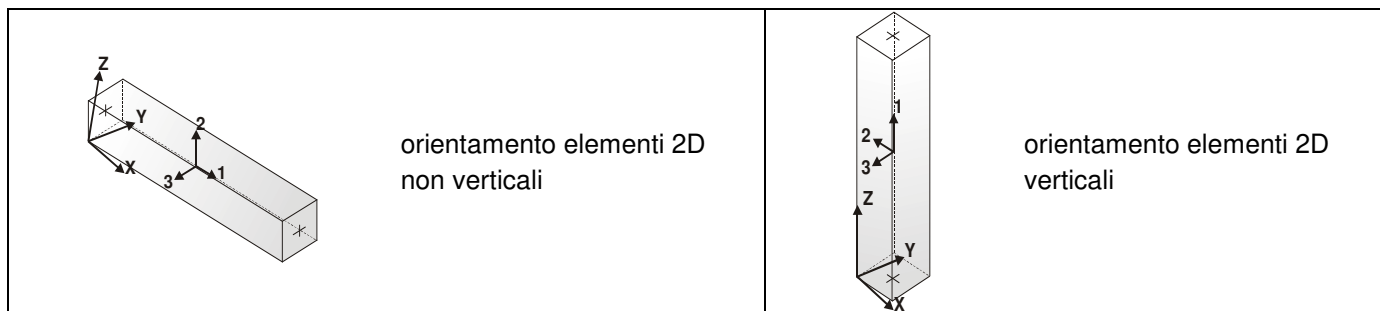
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
9	7	0.03	1.06	-1.53e-04	1.72e-06	0.0	-1.54	-1.59e-03	2.37	-0.01	-1.32	0.03
		0.02	-1.32	8.03e-04	0.0	100.0	-1.32	-1.59e-03	2.37	-0.01	1.06	0.02
9	15	0.05	1.79	-7.44e-04	1.72e-06	0.0	-2.38	-0.16	4.02	2.46e-03	-2.23	0.05
		-0.11	-2.23	1.39e-03	0.0	100.0	-2.17	-0.16	4.02	2.46e-03	1.79	-0.11
9	18	0.05	2.05	-1.67e-04	1.72e-06	0.0	-2.69	-2.24e-03	4.61	-0.03	-2.56	0.05
		0.05	-2.56	1.57e-03	0.0	100.0	-2.47	-2.23e-03	4.61	-0.03	2.05	0.05
9	19	0.05	2.05	-1.67e-04	1.72e-06	0.0	-2.69	-2.81e-03	4.61	-0.03	-2.56	0.05
		0.05	-2.56	1.57e-03	0.0	100.0	-2.47	-2.80e-03	4.61	-0.03	2.05	0.05
9	20	0.03	1.06	-1.53e-04	1.72e-06	0.0	-1.54	-1.59e-03	2.37	-0.01	-1.32	0.03
		0.02	-1.32	8.03e-04	0.0	100.0	-1.32	-1.59e-03	2.37	-0.01	1.06	0.02
9	21	0.04	1.55	-1.76e-04	1.72e-06	0.0	-2.11	-2.61e-03	3.49	-0.02	-1.93	0.04
		0.03	-1.93	1.16e-03	0.0	100.0	-1.90	-2.61e-03	3.49	-0.02	1.55	0.03
9	22	0.05	2.05	-1.67e-04	1.72e-06	0.0	-2.69	-2.24e-03	4.61	-0.03	-2.56	0.05
		0.05	-2.56	1.57e-03	0.0	100.0	-2.47	-2.23e-03	4.61	-0.03	2.05	0.05
9	24	0.08	2.92	-2.28e-04	2.33e-06	0.0	-3.81	-4.82e-03	6.56	-0.04	-3.64	0.08
		0.07	-3.64	2.23e-03	1.16e-06	100.0	-3.52	-4.82e-03	6.56	-0.04	2.92	0.07
9	27	0.05	2.05	-1.67e-04	1.72e-06	0.0	-2.69	-2.81e-03	4.61	-0.03	-2.56	0.05
		0.05	-2.56	1.57e-03	0.0	100.0	-2.47	-2.80e-03	4.61	-0.03	2.05	0.05
9	28	0.08	2.91	-2.28e-04	2.33e-06	0.0	-3.80	-3.97e-03	6.55	-0.04	-3.64	0.08
		0.07	-3.64	2.24e-03	1.16e-06	100.0	-3.51	-3.97e-03	6.55	-0.04	2.91	0.07
9	29	0.05	2.05	-1.67e-04	1.72e-06	0.0	-2.69	-2.81e-03	4.61	-0.03	-2.56	0.05
		0.05	-2.56	1.57e-03	0.0	100.0	-2.47	-2.80e-03	4.61	-0.03	2.05	0.05
9	32	0.47	2.81	-0.02	-80.00	0.0	-3.56	61.70	6.14	-0.16	-3.33	-61.50
		-61.50	-3.33	2.18e-03	0.0	100.0	-3.35	-18.30	6.14	-0.16	2.81	0.47
9	39	0.17	2.31	-0.03	-80.00	0.0	-3.23	117.74	4.95	-0.07	-2.63	-117.48
		-117.48	-2.63	2.73e-03	0.0	100.0	-3.01	37.74	4.95	-0.07	2.31	0.17
9	46	0.20	5.65	-0.02	-80.00	0.0	-6.77	70.13	12.54	-0.08	-6.89	-70.35
		-70.35	-6.89	5.53e-04	0.0	100.0	-6.55	-9.87	12.54	-0.08	5.65	0.20
9	49	-0.10	0.27	-0.02	-80.00	0.0	-0.47	89.75	-0.30	0.02	0.27	-89.43
		-89.43	-0.03	4.03e-03	0.0	100.0	-0.26	9.75	-0.30	0.02	-0.03	-0.10
9	64	0.31	2.83	-0.02	-80.00	0.0	-3.61	67.89	6.18	-0.11	-3.35	-67.77
		-67.77	-3.35	2.22e-03	0.0	100.0	-3.40	-12.11	6.18	-0.11	2.83	0.31
9	71	0.13	2.49	-0.03	-80.00	0.0	-3.36	104.05	5.36	-0.06	-2.87	-103.86
		-103.86	-2.87	2.56e-03	0.0	100.0	-3.14	24.05	5.36	-0.06	2.49	0.13
9	78	0.16	4.62	-0.02	-80.00	0.0	-5.62	73.13	10.21	-0.07	-5.59	-73.26
		-73.26	-5.59	1.18e-03	0.0	100.0	-5.40	-6.87	10.21	-0.07	4.62	0.16
9	81	-0.06	1.01	-0.02	-80.00	0.0	-1.62	86.74	2.04	7.08e-03	-1.03	-86.52
		-86.52	-1.03	3.40e-03	0.0	100.0	-1.41	6.74	2.04	7.08e-03	1.01	-0.06
17	2	21.20	-8.43	-2.09e-06	0.0	0.0	-105.05	1.22	-47.32	2.77e-06	-8.43	21.14
		21.14	-10.79	-1.36e-04	0.0	5.0	-105.05	1.22	-47.32	2.77e-06	-10.79	21.20
17	15	-2.92	15.10	-2.00e-06	0.0	0.0	3.20	45.01	-32.32	-3.08e-05	15.10	-5.17
		-5.17	13.49	-8.53e-05	0.0	5.0	3.20	45.01	-32.32	-3.08e-05	13.49	-2.92
17	18	3.32	-1.61	-1.85e-06	0.0	0.0	-28.78	7.90	-5.06	-3.10e-05	-1.61	2.92
		2.92	-1.86	-1.47e-04	0.0	5.0	-28.78	7.90	-5.06	-3.10e-05	-1.86	3.32
17	19	3.34	-1.56	-1.84e-06	0.0	0.0	-29.67	4.66	-29.56	1.75e-06	-1.56	3.11
		3.11	-3.04	-1.46e-04	0.0	5.0	-29.67	4.66	-29.56	1.75e-06	-3.04	3.34
17	20	2.98	-1.79	0.0	0.0	0.0	-23.07	2.26	-16.01	1.10e-06	-1.79	2.86
		2.86	-2.59	-7.47e-05	0.0	5.0	-23.07	2.26	-16.01	1.10e-06	-2.59	2.98
17	21	14.14	-4.00	-2.03e-06	0.0	0.0	-73.43	1.71	-39.95	1.90e-06	-4.00	14.05
		14.05	-6.00	-1.17e-04	0.0	5.0	-73.43	1.71	-39.95	1.90e-06	-6.00	14.14
17	22	3.32	-1.61	-1.85e-06	0.0	0.0	-28.78	7.90	-5.06	-3.10e-05	-1.61	2.92
		2.92	-1.86	-1.47e-04	0.0	5.0	-28.78	7.90	-5.06	-3.10e-05	-1.86	3.32
17	25	21.13	-5.66	-2.91e-06	0.0	0.0	-106.72	-7.70	-60.13	2.08e-06	-5.66	21.13
		20.74	-8.67	-1.64e-04	0.0	5.0	-106.72	-7.70	-60.13	2.08e-06	-8.67	20.74
17	27	3.34	-1.56	-1.84e-06	0.0	0.0	-29.67	4.66	-29.56	1.75e-06	-1.56	3.11
		3.11	-3.04	-1.46e-04	0.0	5.0	-29.67	4.66	-29.56	1.75e-06	-3.04	3.34
17	28	4.56	-2.07	-2.64e-06	0.0	0.0	-41.05	6.65	-41.94	2.46e-06	-2.07	4.23
		4.23	-4.17	-2.08e-04	0.0	5.0	-41.05	6.65	-41.94	2.46e-06	-4.17	4.56
17	29	3.34	-1.56	-1.84e-06	0.0	0.0	-29.67	4.66	-29.56	1.75e-06	-1.56	3.11
		3.11	-3.04	-1.46e-04	0.0	5.0	-29.67	4.66	-29.56	1.75e-06	-3.04	3.34
17	30	7.08	18.11	-3.17e-06	0.0	0.0	-25.45	196.05	13.19	-2.45e-04	17.26	-2.84
		-2.84	17.26	-1.56e-04	0.0	5.0	-25.45	196.05	13.19	-2.45e-04	18.11	7.08
17	33	7.38	10.10	-3.03e-06	0.0	0.0	-50.52	-48.72	-81.09	2.03e-04	10.10	7.38
		4.82	5.86	-1.57e-04	0.0	5.0	-50.52	-48.72	-81.09	2.03e-04	5.86	4.82
17	42	6.12	19.22	-3.28e-06	0.0	0.0	-24.30	176.01	11.82	-9.17e-05	18.91	-2.58
		-2.58	18.91	-1.55e-04	0.0	5.0	-24.30	176.01	11.82	-9.17e-05	19.22	6.12
17	45	7.12	8.46	-2.92e-06	0.0	0.0	-51.67	-28.69	-79.73	4.99e-05	8.46	7.12
		5.78	4.74	-1.57e-04	0.0	5.0	-51.67	-28.69	-79.73	4.99e-05	4.74	5.78
17	62	6.65	15.84	-3.14e-06	0.0	0.0	-30.42	147.42	-5.25	-1.57e-04	15.84	-0.82
		-0.82	15.69	-1.56e-04	0.0	5.0	-30.42	147.42	-5.25	-1.57e-04	15.69	6.65
17	70	6.19	16.50	-3.21e-06	0.0	0.0	-29.42	140.01	-6.08	-7.27e-05	16.50	-0.86
		-0.86	16.41	-1.55e-04	0.0	5.0	-29.42	140.01	-6.08	-7.27e-05	16.41	6.19
17	71	6.02	17.14	-3.21e-06	0.0	0.0	-30.71	129.64	-26.92	-2.66e-05	17.14	-0.43

		-0.43	15.55	-1.55e-04	0.0	5.0	-30.71	129.64	-26.92	-2.66e-05	15.55	6.02
17	74	6.05	16.98	-3.21e-06	0.0	0.0	-29.37	138.14	-5.07	-6.54e-05	16.98	-0.79
		-0.79	16.54	-1.55e-04	0.0	5.0	-29.37	138.14	-5.07	-6.54e-05	16.54	6.05
17	77	5.85	10.38	-2.99e-06	0.0	0.0	-46.60	9.19	-62.84	2.37e-05	10.38	5.32
		5.32	7.42	-1.57e-04	0.0	5.0	-46.60	9.19	-62.84	2.37e-05	7.42	5.85
18	12	-1.29	0.49	-2.51e-06	0.0	0.0	-37.56	11.69	-37.75	0.0	0.49	-1.88
		-1.88	-1.40	-1.81e-04	0.0	5.0	-37.56	11.69	-37.75	0.0	-1.40	-1.29
18	14	-5.49	5.09	-2.84e-06	0.0	0.0	-165.94	15.77	-9.39	-3.09e-05	5.09	-6.28
		-6.28	4.62	-1.63e-04	0.0	5.0	-165.94	15.77	-9.39	-3.09e-05	4.62	-5.49
18	15	0.28	6.29	-2.26e-06	0.0	0.0	-16.84	77.82	-30.44	-2.00e-05	6.29	-3.61
		-3.61	4.77	-9.22e-05	0.0	5.0	-16.84	77.82	-30.44	-2.00e-05	4.77	0.28
18	18	-1.13	0.74	-2.00e-06	0.0	0.0	-29.95	14.27	-4.69	-2.04e-05	0.74	-1.84
		-1.84	0.50	-1.47e-04	0.0	5.0	-29.95	14.27	-4.69	-2.04e-05	0.50	-1.13
18	19	-1.13	0.77	-1.98e-06	0.0	0.0	-31.02	9.40	-31.17	0.0	0.77	-1.60
		-1.60	-0.79	-1.46e-04	0.0	5.0	-31.02	9.40	-31.17	0.0	-0.79	-1.13
18	20	-0.80	1.33	0.0	0.0	0.0	-17.95	4.82	-18.02	0.0	1.33	-1.04
		-1.04	0.43	-7.39e-05	0.0	5.0	-17.95	4.82	-18.02	0.0	0.43	-0.80
18	21	-3.74	3.55	-1.96e-06	0.0	0.0	-113.50	6.13	-34.55	0.0	3.55	-4.04
		-4.04	1.83	-1.15e-04	0.0	5.0	-113.50	6.13	-34.55	0.0	1.83	-3.74
18	22	-1.13	0.74	-2.00e-06	0.0	0.0	-29.95	14.27	-4.69	-2.04e-05	0.74	-1.84
		-1.84	0.50	-1.47e-04	0.0	5.0	-29.95	14.27	-4.69	-2.04e-05	0.50	-1.13
18	25	-5.11	5.13	-2.80e-06	0.0	0.0	-167.60	-7.79	-50.24	0.0	5.13	-5.11
		-5.50	2.62	-1.61e-04	0.0	5.0	-167.60	-7.79	-50.24	0.0	2.62	-5.50
18	27	-1.13	0.77	-1.98e-06	0.0	0.0	-31.02	9.40	-31.17	0.0	0.77	-1.60
		-1.60	-0.79	-1.46e-04	0.0	5.0	-31.02	9.40	-31.17	0.0	-0.79	-1.13
18	28	-1.57	0.95	-2.83e-06	0.0	0.0	-43.84	13.38	-44.06	0.0	0.95	-2.24
		-2.24	-1.25	-2.07e-04	0.0	5.0	-43.84	13.38	-44.06	0.0	-1.25	-1.57
18	29	-1.13	0.77	-1.98e-06	0.0	0.0	-31.02	9.40	-31.17	0.0	0.77	-1.60
		-1.60	-0.79	-1.46e-04	0.0	5.0	-31.02	9.40	-31.17	0.0	-0.79	-1.13
18	31	5.65	8.77	-3.39e-06	0.0	0.0	-92.49	288.24	-25.34	-1.12e-04	8.77	-9.69
		-9.69	7.45	-1.63e-04	0.0	5.0	-92.49	288.24	-25.34	-1.12e-04	7.45	5.65
18	38	2.64	9.66	-3.50e-06	0.0	0.0	-90.25	292.93	3.59	-6.93e-05	9.66	-11.24
		-11.24	9.52	-1.62e-04	0.0	5.0	-90.25	292.93	3.59	-6.93e-05	9.52	2.64
18	54	-1.68	12.15	-3.35e-06	0.0	0.0	-89.20	205.45	47.52	-1.03e-04	9.79	-10.46
		-10.46	9.79	-1.63e-04	0.0	5.0	-89.20	205.45	47.52	-1.03e-04	12.15	-1.68
18	57	-3.04	7.21	-3.32e-06	0.0	0.0	-101.69	41.30	-102.75	7.21e-05	7.21	-6.59
		-6.59	2.09	-1.62e-04	0.0	5.0	-101.69	41.30	-102.75	7.21e-05	2.09	-3.04
18	63	2.51	8.67	-3.37e-06	0.0	0.0	-93.73	222.51	-26.75	-7.31e-05	8.67	-9.22
		-9.22	7.29	-1.62e-04	0.0	5.0	-93.73	222.51	-26.75	-7.31e-05	7.29	2.51
18	70	0.79	9.14	-3.44e-06	0.0	0.0	-92.19	229.98	-7.99	-4.93e-05	9.14	-10.23
		-10.23	8.72	-1.62e-04	0.0	5.0	-92.19	229.98	-7.99	-4.93e-05	8.72	0.79
18	86	-2.03	10.35	-3.35e-06	0.0	0.0	-91.50	173.15	20.63	-7.03e-05	9.33	-9.74
		-9.74	9.33	-1.63e-04	0.0	5.0	-91.50	173.15	20.63	-7.03e-05	10.35	-2.03
18	89	-2.68	7.67	-3.33e-06	0.0	0.0	-99.38	73.60	-75.86	3.93e-05	7.67	-7.31
		-7.31	3.90	-1.62e-04	0.0	5.0	-99.38	73.60	-75.86	3.93e-05	3.90	-2.68
19	7	1.54	2.16	-1.30e-06	0.0	0.0	-16.02	2.63	-20.65	0.0	2.16	1.41
		1.41	1.13	-7.37e-05	0.0	5.0	-16.02	2.63	-20.65	0.0	1.13	1.54
19	11	3.06	1.07	-1.73e-06	0.0	0.0	-134.13	5.77	-45.08	1.07e-06	1.07	2.77
		2.77	-1.19	-1.35e-04	0.0	5.0	-134.13	5.77	-45.08	1.07e-06	-1.19	3.06
19	15	7.39	4.57	-3.58e-06	0.0	0.0	-0.58	74.26	-24.07	-1.89e-05	4.57	3.68
		3.68	3.37	-1.02e-04	0.0	5.0	-0.58	74.26	-24.07	-1.89e-05	3.37	7.39
19	18	2.02	1.70	-2.39e-06	0.0	0.0	-32.64	9.16	-12.93	-2.01e-05	1.70	1.56
		1.56	1.06	-1.46e-04	0.0	5.0	-32.64	9.16	-12.93	-2.01e-05	1.06	2.02
19	19	1.98	1.63	-2.37e-06	0.0	0.0	-33.63	4.67	-35.80	1.13e-06	1.63	1.74
		1.74	-0.16	-1.45e-04	0.0	5.0	-33.63	4.67	-35.80	1.13e-06	-0.16	1.98
19	20	1.54	2.16	-1.30e-06	0.0	0.0	-16.02	2.63	-20.65	0.0	2.16	1.41
		1.41	1.13	-7.37e-05	0.0	5.0	-16.02	2.63	-20.65	0.0	1.13	1.54
19	21	2.55	1.43	-1.59e-06	0.0	0.0	-94.76	4.72	-36.94	0.0	1.43	2.32
		2.32	-0.42	-1.15e-04	0.0	5.0	-94.76	4.72	-36.94	0.0	-0.42	2.55
19	22	2.02	1.70	-2.39e-06	0.0	0.0	-32.64	9.16	-12.93	-2.01e-05	1.70	1.56
		1.56	1.06	-1.46e-04	0.0	5.0	-32.64	9.16	-12.93	-2.01e-05	1.06	2.02
19	25	4.12	1.78	-2.17e-06	0.0	0.0	-139.75	-10.72	-52.00	1.48e-06	1.78	4.12
		3.59	-0.82	-1.61e-04	0.0	5.0	-139.75	-10.72	-52.00	1.48e-06	-0.82	3.59
19	28	2.73	2.12	-3.36e-06	0.0	0.0	-48.05	6.61	-50.60	1.59e-06	2.12	2.40
		2.40	-0.41	-2.07e-04	0.0	5.0	-48.05	6.61	-50.60	1.59e-06	-0.41	2.73
19	29	1.98	1.63	-2.37e-06	0.0	0.0	-33.63	4.67	-35.80	1.13e-06	1.63	1.74
		1.74	-0.16	-1.45e-04	0.0	5.0	-33.63	4.67	-35.80	1.13e-06	-0.16	1.98
19	34	24.66	21.42	-5.98e-06	0.0	0.0	-15.36	313.11	-23.57	-1.51e-04	21.42	9.17
		9.17	21.26	-1.73e-04	0.0	5.0	-15.36	313.11	-23.57	-1.51e-04	21.26	24.66
19	35	25.92	18.86	-5.96e-06	0.0	0.0	-22.42	295.87	-64.95	-1.19e-04	18.86	10.44
		10.44	17.02	-1.72e-04	0.0	5.0	-22.42	295.87	-64.95	-1.19e-04	17.02	25.92
19	37	14.42	0.09	-4.25e-06	0.0	0.0	-62.06	-63.39	-27.44	1.24e-04	0.09	14.42
		11.40	-2.61	-1.72e-04	0.0	5.0	-62.06	-63.39	-27.44	1.24e-04	-2.61	11.40
19	42	22.49	18.03	-5.87e-06	0.0	0.0	-22.94	292.05	-11.61	-6.07e-05	18.03	8.30
		8.30	17.62	-1.73e-04	0.0	5.0	-22.94	292.05	-11.61	-6.07e-05	17.62	22.49
19	66	22.02	17.07	-5.64e-06	0.0	0.0	-24.60	238.30	-23.92	-9.71e-05	17.07	10.17
		10.17	16.67	-1.73e-04	0.0	5.0	-24.60	238.30	-23.92	-9.71e-05	16.67	22.02

19	67	22.85	15.55	-5.63e-06	0.0	0.0	-29.09	227.68	-50.66	-7.68e-05	15.55	10.98
		10.98	13.86	-1.72e-04	0.0	5.0	-29.09	227.68	-50.66	-7.68e-05	13.86	22.85
19	69	14.05	4.28	-4.59e-06	0.0	0.0	-52.82	11.42	-27.09	6.98e-05	4.28	13.41
		13.41	2.13	-1.72e-04	0.0	5.0	-52.82	11.42	-27.09	6.98e-05	2.13	14.05
19	74	20.83	15.30	-5.60e-06	0.0	0.0	-28.79	230.14	-16.61	-4.33e-05	15.30	9.59
		9.59	14.57	-1.73e-04	0.0	5.0	-28.79	230.14	-16.61	-4.33e-05	14.57	20.83
20	7	-12.49	-1.59	-1.84e-06	0.0	0.0	-69.10	-11.56	-32.17	1.75e-06	-1.59	-12.49
		-13.07	-3.20	-7.45e-05	0.0	5.0	-69.10	-11.56	-32.17	1.75e-06	-3.20	-13.07
20	9	-17.46	1.45	-3.11e-06	0.0	0.0	-106.33	-23.43	-62.64	4.65e-06	1.45	-17.46
		-18.64	-1.68	-1.50e-04	0.0	5.0	-106.33	-23.43	-62.64	4.65e-06	-1.68	-18.64
20	15	-43.33	-25.28	-5.60e-06	0.0	0.0	-140.61	24.31	-29.98	-4.40e-05	-25.28	-44.55
		-44.55	-26.78	-1.14e-04	0.0	5.0	-140.61	24.31	-29.98	-4.40e-05	-26.78	-43.33
20	18	-18.48	-0.66	-3.11e-06	0.0	0.0	-113.46	-19.39	-35.22	-4.07e-05	-0.66	-18.48
		-19.45	-2.42	-1.47e-04	0.0	5.0	-113.46	-19.39	-35.22	-4.07e-05	-2.42	-19.45
20	19	-18.34	-0.66	-3.08e-06	0.0	0.0	-114.20	-22.59	-59.35	4.22e-06	-0.66	-18.34
		-19.47	-3.63	-1.46e-04	0.0	5.0	-114.20	-22.59	-59.35	4.22e-06	-3.63	-19.47
20	20	-12.49	-1.59	-1.84e-06	0.0	0.0	-69.10	-11.56	-32.17	1.75e-06	-1.59	-12.49
		-13.07	-3.20	-7.45e-05	0.0	5.0	-69.10	-11.56	-32.17	1.75e-06	-3.20	-13.07
20	21	-17.00	-0.93	-2.01e-06	0.0	0.0	-155.14	-17.33	-54.52	3.27e-06	-0.93	-17.00
		-17.87	-3.65	-1.15e-04	0.0	5.0	-155.14	-17.33	-54.52	3.27e-06	-3.65	-17.87
20	22	-18.48	-0.66	-3.11e-06	0.0	0.0	-113.46	-19.39	-35.22	-4.07e-05	-0.66	-18.48
		-19.45	-2.42	-1.47e-04	0.0	5.0	-113.46	-19.39	-35.22	-4.07e-05	-2.42	-19.45
20	25	-22.92	-1.22	-2.71e-06	0.0	0.0	-222.48	-39.26	-75.77	3.63e-06	-1.22	-22.92
		-24.88	-5.01	-1.62e-04	0.0	5.0	-222.48	-39.26	-75.77	3.63e-06	-5.01	-24.88
20	27	-18.34	-0.66	-3.08e-06	0.0	0.0	-114.20	-22.59	-59.35	4.22e-06	-0.66	-18.34
		-19.47	-3.63	-1.46e-04	0.0	5.0	-114.20	-22.59	-59.35	4.22e-06	-3.63	-19.47
20	28	-25.63	-0.76	-4.35e-06	0.0	0.0	-160.94	-32.15	-84.20	6.06e-06	-0.76	-25.63
		-27.24	-4.97	-2.07e-04	0.0	5.0	-160.94	-32.15	-84.20	6.06e-06	-4.97	-27.24
20	29	-18.34	-0.66	-3.08e-06	0.0	0.0	-114.20	-22.59	-59.35	4.22e-06	-0.66	-18.34
		-19.47	-3.63	-1.46e-04	0.0	5.0	-114.20	-22.59	-59.35	4.22e-06	-3.63	-19.47
20	31	-126.84	-43.43	-1.16e-05	0.0	0.0	-305.52	240.20	-94.90	-2.40e-04	-43.43	-139.38
		-139.38	-48.57	-1.91e-04	0.0	5.0	-305.52	240.20	-94.90	-2.40e-04	-48.57	-126.84
20	35	-127.20	-43.20	-1.17e-05	0.0	0.0	-307.56	243.58	-95.35	-2.56e-04	-43.20	-139.56
		-139.56	-46.92	-1.91e-04	0.0	5.0	-307.56	243.58	-95.35	-2.56e-04	-46.92	-127.20
20	36	-52.99	-20.17	-6.72e-06	0.0	0.0	-210.90	-47.01	-7.20	1.89e-04	-20.17	-52.99
		-55.52	-21.59	-1.84e-04	0.0	5.0	-210.90	-47.01	-7.20	1.89e-04	-21.59	-55.52
20	37	-61.84	-17.06	-6.67e-06	0.0	0.0	-246.11	-69.71	-53.53	2.56e-04	-17.06	-61.84
		-64.95	-20.20	-1.82e-04	0.0	5.0	-246.11	-69.71	-53.53	2.56e-04	-20.20	-64.95
20	55	-116.42	-30.42	-9.87e-06	0.0	0.0	-327.13	107.45	-134.76	1.88e-06	-30.42	-122.68
		-122.68	-35.95	-1.85e-04	0.0	5.0	-327.13	107.45	-134.76	1.88e-06	-35.95	-116.42
20	56	-66.31	-32.55	-8.52e-06	0.0	0.0	-191.33	89.11	32.22	-6.95e-05	-32.55	-69.87
		-69.87	-32.96	-1.89e-04	0.0	5.0	-191.33	89.11	32.22	-6.95e-05	-32.96	-66.31
20	63	-113.21	-38.72	-1.07e-05	0.0	0.0	-288.67	183.41	-79.54	-1.57e-04	-38.72	-122.70
		-122.70	-42.91	-1.89e-04	0.0	5.0	-288.67	183.41	-79.54	-1.57e-04	-42.91	-113.21
20	67	-113.44	-38.55	-1.07e-05	0.0	0.0	-290.05	185.38	-79.97	-1.67e-04	-38.55	-122.81
		-122.81	-41.88	-1.89e-04	0.0	5.0	-290.05	185.38	-79.97	-1.67e-04	-41.88	-113.44
20	68	-69.28	-24.83	-7.70e-06	0.0	0.0	-228.41	11.18	-22.58	9.91e-05	-24.83	-69.74
		-69.74	-26.62	-1.86e-04	0.0	5.0	-228.41	11.18	-22.58	9.91e-05	-26.62	-69.28
20	69	-75.48	-22.88	-7.66e-06	0.0	0.0	-251.28	-2.85	-52.57	1.42e-04	-22.88	-75.58
		-75.58	-25.78	-1.85e-04	0.0	5.0	-251.28	-2.85	-52.57	1.42e-04	-25.78	-75.48
20	87	-107.39	-30.79	-9.59e-06	0.0	0.0	-303.16	103.13	-105.37	-7.93e-06	-30.79	-113.09
		-113.09	-35.26	-1.86e-04	0.0	5.0	-303.16	103.13	-105.37	-7.93e-06	-35.26	-107.39
20	88	-75.34	-32.59	-8.80e-06	0.0	0.0	-215.30	93.43	2.82	-5.97e-05	-32.59	-79.46
		-79.46	-33.24	-1.89e-04	0.0	5.0	-215.30	93.43	2.82	-5.97e-05	-33.24	-75.34
24	7	-12.40	3.50	0.0	0.0	0.0	-68.66	-11.18	32.26	-2.08e-06	3.50	-12.40
		-12.95	1.89	7.46e-05	0.0	5.0	-68.66	-11.18	32.26	-2.08e-06	1.89	-12.95
24	9	-17.50	2.20	0.0	0.0	0.0	-105.86	-22.16	63.22	-3.79e-06	-0.97	-17.50
		-18.61	-0.97	1.50e-04	0.0	5.0	-105.86	-22.16	63.22	-3.79e-06	2.20	-18.61
24	13	-25.35	7.56	0.0	0.0	0.0	-161.46	-36.42	120.78	-7.33e-05	1.52	-25.35
		-27.17	1.52	2.06e-04	0.0	5.0	-161.46	-36.42	120.78	-7.33e-05	7.56	-27.17
24	15	-36.35	25.11	-2.22e-06	0.0	0.0	-132.34	17.27	26.68	-5.68e-05	23.77	-37.22
		-37.22	23.77	1.11e-04	0.0	5.0	-132.34	17.27	26.68	-5.68e-05	25.11	-36.35
24	18	-18.14	5.39	0.0	0.0	0.0	-114.51	-25.40	83.74	-4.91e-05	1.20	-18.14
		-19.41	1.20	1.45e-04	0.0	5.0	-114.51	-25.40	83.74	-4.91e-05	5.39	-19.41
24	19	-18.32	4.18	0.0	0.0	0.0	-113.71	-21.56	59.79	-3.78e-06	1.19	-18.32
		-19.40	1.19	1.46e-04	0.0	5.0	-113.71	-21.56	59.79	-3.78e-06	4.18	-19.40
24	20	-12.40	3.50	0.0	0.0	0.0	-68.66	-11.18	32.26	-2.08e-06	1.89	-12.40
		-12.95	1.89	7.46e-05	0.0	5.0	-68.66	-11.18	32.26	-2.08e-06	3.50	-12.95
24	21	-15.79	4.85	0.0	0.0	0.0	-94.91	-16.06	43.63	-2.96e-06	2.67	-15.79
		-16.59	2.67	1.08e-04	0.0	5.0	-94.91	-16.06	43.63	-2.96e-06	4.85	-16.59
24	22	-18.14	5.39	0.0	0.0	0.0	-114.51	-25.40	83.74	-4.91e-05	1.20	-18.14
		-19.41	1.20	1.45e-04	0.0	5.0	-114.51	-25.40	83.74	-4.91e-05	5.39	-19.41
24	27	-18.32	4.18	0.0	0.0	0.0	-113.71	-21.56	59.79	-3.78e-06	1.19	-18.32
		-19.40	1.19	1.46e-04	0.0	5.0	-113.71	-21.56	59.79	-3.78e-06	4.18	-19.40
24	28	-25.62	5.74	0.0	0.0	0.0	-160.27	-30.67	84.85	-5.37e-06	1.50	-25.62
		-27.16	1.50	2.08e-04	0.0	5.0	-160.27	-30.67	84.85	-5.37e-06	5.74	-27.16
24	29	-18.32	4.18	0.0	0.0	0.0	-113.71	-21.56	59.79	-3.78e-06	1.19	-18.32



		-19.40	1.19	1.46e-04	0.0	5.0	-113.71	-21.56	59.79	-3.78e-06	4.18	-19.40
24	38	-122.54	50.89	-7.35e-06	0.0	0.0	-264.17	180.13	119.96	-1.76e-04	45.16	-132.21
		-132.21	45.16	1.80e-04	0.0	5.0	-264.17	180.13	119.96	-1.76e-04	50.89	-122.54
24	39	-115.43	54.00	-7.44e-06	0.0	0.0	-233.99	215.68	78.40	-7.56e-05	49.92	-125.53
		-125.53	49.92	1.82e-04	0.0	5.0	-233.99	215.68	78.40	-7.56e-05	54.00	-115.43
24	40	-61.49	22.48	-2.88e-06	0.0	0.0	-189.18	-33.87	75.73	-2.69e-05	18.86	-61.49
		-62.50	18.86	1.75e-04	0.0	5.0	-189.18	-33.87	75.73	-2.69e-05	22.48	-62.50
24	41	-54.81	25.59	-2.97e-06	0.0	0.0	-159.01	1.68	34.17	7.36e-05	23.62	-54.81
		-55.39	23.62	1.77e-04	0.0	5.0	-159.01	1.68	34.17	7.36e-05	25.59	-55.39
24	50	-109.82	37.31	-5.68e-06	0.0	0.0	-273.13	63.76	152.96	-2.41e-04	30.40	-115.25
		-115.25	30.40	1.75e-04	0.0	5.0	-273.13	63.76	152.96	-2.41e-04	37.31	-109.82
24	53	-68.12	39.17	-4.64e-06	0.0	0.0	-150.05	118.05	1.17	1.39e-04	38.38	-71.77
		-71.77	38.38	1.82e-04	0.0	5.0	-150.05	118.05	1.17	1.39e-04	39.17	-68.12
24	70	-110.17	46.18	-6.54e-06	0.0	0.0	-244.60	146.96	103.97	-1.30e-04	41.15	-117.98
		-117.98	41.15	1.79e-04	0.0	5.0	-244.60	146.96	103.97	-1.30e-04	46.18	-110.17
24	71	-105.59	48.25	-6.61e-06	0.0	0.0	-225.52	170.26	77.57	-6.60e-05	44.27	-113.62
		-113.62	44.27	1.81e-04	0.0	5.0	-225.52	170.26	77.57	-6.60e-05	48.25	-105.59
24	72	-72.35	28.23	-3.72e-06	0.0	0.0	-197.66	11.55	76.56	-3.65e-05	24.50	-73.40
		-73.40	24.50	1.76e-04	0.0	5.0	-197.66	11.55	76.56	-3.65e-05	28.23	-72.35
24	73	-67.77	30.30	-3.79e-06	0.0	0.0	-178.58	34.85	50.16	2.71e-05	27.63	-69.04
		-69.04	27.63	1.78e-04	0.0	5.0	-178.58	34.85	50.16	2.71e-05	30.30	-67.77
24	82	-102.27	37.48	-5.47e-06	0.0	0.0	-250.42	72.39	125.17	-1.71e-04	31.68	-107.46
		-107.46	31.68	1.76e-04	0.0	5.0	-250.42	72.39	125.17	-1.71e-04	37.48	-102.27
24	85	-75.66	39.00	-4.85e-06	0.0	0.0	-172.75	109.42	28.96	6.87e-05	37.10	-79.56
		-79.56	37.10	1.81e-04	0.0	5.0	-172.75	109.42	28.96	6.87e-05	39.00	-75.66
25	3	2.72	-1.32	1.37e-06	0.0	0.0	-26.58	5.26	43.85	-1.40e-06	-3.51	2.46
		2.46	-3.51	1.77e-04	0.0	5.0	-26.58	5.26	43.85	-1.40e-06	-1.32	2.72
25	7	1.61	-1.27	0.0	0.0	0.0	-15.56	2.56	20.51	0.0	-2.30	1.48
		1.48	-2.30	7.38e-05	0.0	5.0	-15.56	2.56	20.51	0.0	-1.27	1.61
25	13	3.15	1.99	1.48e-06	0.0	0.0	-48.59	-1.86	83.81	-3.42e-05	-2.20	3.15
		3.06	-2.20	2.06e-04	0.0	5.0	-48.59	-1.86	83.81	-3.42e-05	1.99	3.06
25	15	4.65	-1.33	0.0	0.0	0.0	-7.03	61.31	23.48	-2.60e-05	-2.51	1.59
		1.59	-2.51	1.00e-04	0.0	5.0	-7.03	61.31	23.48	-2.60e-05	-1.33	4.65
25	18	2.25	1.20	1.03e-06	0.0	0.0	-33.95	-0.98	57.92	-2.29e-05	-1.70	2.25
		2.20	-1.70	1.44e-04	0.0	5.0	-33.95	-0.98	57.92	-2.29e-05	1.20	2.20
25	19	2.22	-9.51e-03	1.04e-06	0.0	0.0	-32.95	4.68	35.15	-1.22e-06	-1.77	1.99
		1.99	-1.77	1.45e-04	0.0	5.0	-32.95	4.68	35.15	-1.22e-06	-9.51e-03	2.22
25	20	1.61	-1.27	0.0	0.0	0.0	-15.56	2.56	20.51	0.0	-2.30	1.48
		1.48	-2.30	7.38e-05	0.0	5.0	-15.56	2.56	20.51	0.0	-1.27	1.61
25	21	1.92	-0.39	0.0	0.0	0.0	-29.58	3.82	26.67	0.0	-1.73	1.73
		1.73	-1.73	1.07e-04	0.0	5.0	-29.58	3.82	26.67	0.0	-0.39	1.92
25	22	2.25	1.20	1.03e-06	0.0	0.0	-33.95	-0.98	57.92	-2.29e-05	-1.70	2.25
		2.20	-1.70	1.44e-04	0.0	5.0	-33.95	-0.98	57.92	-2.29e-05	1.20	2.20
25	27	2.22	-9.51e-03	1.04e-06	0.0	0.0	-32.95	4.68	35.15	-1.22e-06	-1.77	1.99
		1.99	-1.77	1.45e-04	0.0	5.0	-32.95	4.68	35.15	-1.22e-06	-9.51e-03	2.22
25	28	3.09	0.18	1.49e-06	0.0	0.0	-47.09	6.64	49.65	-1.73e-06	-2.31	2.76
		2.76	-2.31	2.07e-04	0.0	5.0	-47.09	6.64	49.65	-1.73e-06	0.18	3.09
25	29	2.22	-9.51e-03	1.04e-06	0.0	0.0	-32.95	4.68	35.15	-1.22e-06	-1.77	1.99
		1.99	-1.77	1.45e-04	0.0	5.0	-32.95	4.68	35.15	-1.22e-06	-9.51e-03	2.22
25	38	22.29	-12.65	-2.06e-06	0.0	0.0	21.24	231.86	78.16	-8.18e-05	-16.27	10.26
		10.26	-16.27	1.63e-04	0.0	5.0	21.24	231.86	78.16	-8.18e-05	-12.65	22.29
25	39	21.34	-17.77	-2.11e-06	0.0	0.0	30.21	259.52	41.51	-3.40e-05	-19.66	8.75
		8.75	-19.66	1.64e-04	0.0	5.0	30.21	259.52	41.51	-3.40e-05	-17.77	21.34
25	40	12.31	2.35	0.0	0.0	0.0	-9.86	-30.89	66.84	-1.18e-05	-1.18	12.31
		11.16	-1.18	1.63e-04	0.0	5.0	-9.86	-30.89	66.84	-1.18e-05	2.35	11.16
25	47	15.57	-17.21	-1.47e-06	0.0	0.0	27.44	187.00	-1.35	1.87e-05	-17.21	7.53
		7.53	-17.39	1.64e-04	0.0	5.0	27.44	187.00	-1.35	1.87e-05	-17.39	15.57
25	52	16.17	3.08	0.0	0.0	0.0	-9.44	28.81	113.56	-9.20e-05	-2.51	13.35
		13.35	-2.51	1.62e-04	0.0	5.0	-9.44	28.81	113.56	-9.20e-05	3.08	16.17
25	70	20.07	-10.81	-1.75e-06	0.0	0.0	17.13	188.21	69.45	-5.98e-05	-14.09	10.37
		10.37	-14.09	1.63e-04	0.0	5.0	17.13	188.21	69.45	-5.98e-05	-10.81	20.07
25	71	19.44	-14.13	-1.79e-06	0.0	0.0	22.96	206.43	46.06	-2.96e-05	-16.31	9.39
		9.39	-16.31	1.64e-04	0.0	5.0	22.96	206.43	46.06	-2.96e-05	-14.13	19.44
25	72	13.05	-1.29	0.0	0.0	0.0	-2.61	22.21	62.29	-1.62e-05	-4.53	11.68
		11.68	-4.53	1.63e-04	0.0	5.0	-2.61	22.21	62.29	-1.62e-05	-1.29	13.05
25	79	15.77	-14.00	-1.39e-06	0.0	0.0	21.43	160.92	18.61	4.55e-06	-14.87	8.59
		8.59	-14.87	1.64e-04	0.0	5.0	21.43	160.92	18.61	4.55e-06	-14.00	15.77
25	84	16.24	-0.75	-1.02e-06	0.0	0.0	-2.51	59.06	92.09	-6.67e-05	-5.29	12.36
		12.36	-5.29	1.63e-04	0.0	5.0	-2.51	59.06	92.09	-6.67e-05	-0.75	16.24
26	7	-0.98	-0.54	0.0	0.0	0.0	-16.90	4.84	18.09	0.0	-1.44	-1.22
		-1.22	-1.44	7.40e-05	0.0	5.0	-16.90	4.84	18.09	0.0	-0.54	-0.98
26	13	-1.90	3.02	2.14e-06	0.0	0.0	-43.75	3.87	82.89	-3.33e-05	-1.13	-2.09
		-2.09	-1.13	2.06e-04	0.0	5.0	-43.75	3.87	82.89	-3.33e-05	3.02	-1.90
26	15	-1.17	-4.70	0.0	0.0	0.0	-15.19	65.25	27.26	-2.54e-05	-6.06	-4.43
		-4.43	-6.06	9.08e-05	0.0	5.0	-15.19	65.25	27.26	-2.54e-05	-4.70	-1.17
26	18	-1.36	1.96	1.51e-06	0.0	0.0	-30.86	3.06	57.07	-2.22e-05	-0.90	-1.52
		-1.52	-0.90	1.45e-04	0.0	5.0	-30.86	3.06	57.07	-2.22e-05	1.96	-1.36

26	19	-1.39	0.68	1.52e-06	0.0	0.0	-29.77	9.43	30.98	0.0	-0.87	-1.86
		-1.86	-0.87	1.46e-04	0.0	5.0	-29.77	9.43	30.98	0.0	0.68	-1.39
26	20	-0.98	-0.54	0.0	0.0	0.0	-16.90	4.84	18.09	0.0	-1.44	-1.22
		-1.22	-1.44	7.40e-05	0.0	5.0	-16.90	4.84	18.09	0.0	-0.54	-0.98
26	21	-1.30	-0.33	1.03e-06	0.0	0.0	-25.88	7.10	24.51	0.0	-1.55	-1.65
		-1.65	-1.55	1.07e-04	0.0	5.0	-25.88	7.10	24.51	0.0	-0.33	-1.30
26	22	-1.36	1.96	1.51e-06	0.0	0.0	-30.86	3.06	57.07	-2.22e-05	-0.90	-1.52
		-1.52	-0.90	1.45e-04	0.0	5.0	-30.86	3.06	57.07	-2.22e-05	1.96	-1.36
26	27	-1.39	0.68	1.52e-06	0.0	0.0	-29.77	9.43	30.98	0.0	-0.87	-1.86
		-1.86	-0.87	1.46e-04	0.0	5.0	-29.77	9.43	30.98	0.0	0.68	-1.39
26	28	-1.94	1.11	2.14e-06	0.0	0.0	-42.12	13.42	43.76	0.0	-1.08	-2.61
		-2.61	-1.08	2.08e-04	0.0	5.0	-42.12	13.42	43.76	0.0	1.11	-1.94
26	29	-1.39	0.68	1.52e-06	0.0	0.0	-29.77	9.43	30.98	0.0	-0.87	-1.86
		-1.86	-0.87	1.46e-04	0.0	5.0	-29.77	9.43	30.98	0.0	0.68	-1.39
26	38	4.88	-3.46	0.0	0.0	0.0	-24.56	227.26	66.02	-8.06e-05	-6.78	-7.15
		-7.15	-6.78	1.53e-04	0.0	5.0	-24.56	227.26	66.02	-8.06e-05	-3.46	4.88
26	47	-2.24	-8.10	0.0	0.0	0.0	-20.47	181.40	-5.43	1.95e-05	-8.10	-9.28
		-9.28	-8.31	1.53e-04	0.0	5.0	-20.47	181.40	-5.43	1.95e-05	-8.31	-2.24
26	48	-1.11	0.78	0.0	0.0	0.0	-32.61	46.47	122.31	-6.32e-05	-5.27	-5.47
		-5.47	-5.27	1.53e-04	0.0	5.0	-32.61	46.47	122.31	-6.32e-05	0.78	-1.11
26	51	-1.44	-8.01	0.0	0.0	0.0	-20.26	193.40	-3.73	4.69e-05	-8.01	-8.98
		-8.98	-8.19	1.53e-04	0.0	5.0	-20.26	193.40	-3.73	4.69e-05	-8.19	-1.44
26	52	-1.91	0.66	0.0	0.0	0.0	-32.81	34.47	120.61	-9.07e-05	-5.36	-5.76
		-5.76	-5.36	1.53e-04	0.0	5.0	-32.81	34.47	120.61	-9.07e-05	0.66	-1.91
26	70	2.48	-3.58	0.0	0.0	0.0	-25.29	185.19	63.17	-5.87e-05	-6.74	-7.23
		-7.23	-6.74	1.53e-04	0.0	5.0	-25.29	185.19	63.17	-5.87e-05	-3.58	2.48
26	79	-2.11	-6.69	0.0	0.0	0.0	-22.63	157.11	17.46	5.44e-06	-7.59	-8.62
		-8.62	-7.59	1.53e-04	0.0	5.0	-22.63	157.11	17.46	5.44e-06	-6.69	-2.11
26	80	-1.24	-0.84	0.0	0.0	0.0	-30.45	70.76	99.42	-4.91e-05	-5.78	-6.12
		-6.12	-5.78	1.53e-04	0.0	5.0	-30.45	70.76	99.42	-4.91e-05	-0.84	-1.24
26	83	-1.60	-6.61	0.0	0.0	0.0	-22.50	165.25	18.57	2.18e-05	-7.54	-8.43
		-8.43	-7.54	1.53e-04	0.0	5.0	-22.50	165.25	18.57	2.18e-05	-6.61	-1.60
26	84	-1.76	-0.92	0.0	0.0	0.0	-30.58	62.62	98.31	-6.55e-05	-5.83	-6.31
		-6.31	-5.83	1.53e-04	0.0	5.0	-30.58	62.62	98.31	-6.55e-05	-0.92	-1.76
27	3	6.65	6.47	2.60e-06	0.0	0.0	-41.57	8.46	31.65	0.0	4.89	6.22
		6.22	4.89	1.81e-04	0.0	5.0	-41.57	8.46	31.65	0.0	6.47	6.65
27	13	6.42	6.03	2.44e-06	0.0	0.0	-44.88	4.14	80.14	-4.79e-05	2.02	6.22
		6.22	2.02	2.07e-04	0.0	5.0	-44.88	4.14	80.14	-4.79e-05	6.03	6.42
27	15	-2.49	-13.05	0.0	0.0	0.0	1.38	39.39	32.54	-3.73e-05	-14.68	-4.46
		-4.46	-14.68	8.41e-05	0.0	5.0	1.38	39.39	32.54	-3.73e-05	-13.05	-2.49
27	18	4.69	4.29	1.74e-06	0.0	0.0	-32.38	3.12	55.02	-3.20e-05	1.54	4.53
		4.53	1.54	1.46e-04	0.0	5.0	-32.38	3.12	55.02	-3.20e-05	4.29	4.69
27	19	4.65	3.09	1.74e-06	0.0	0.0	-31.44	6.87	29.59	0.0	1.61	4.31
		4.31	1.61	1.47e-04	0.0	5.0	-31.44	6.87	29.59	0.0	3.09	4.65
27	20	4.06	2.75	1.09e-06	0.0	0.0	-24.63	3.55	15.95	0.0	1.95	3.88
		3.88	1.95	7.49e-05	0.0	5.0	-24.63	3.55	15.95	0.0	2.75	4.06
27	21	4.22	1.93	1.21e-06	0.0	0.0	-27.60	4.97	23.55	0.0	0.75	3.97
		3.97	0.75	1.07e-04	0.0	5.0	-27.60	4.97	23.55	0.0	1.93	4.22
27	22	4.69	4.29	1.74e-06	0.0	0.0	-32.38	3.12	55.02	-3.20e-05	1.54	4.53
		4.53	1.54	1.46e-04	0.0	5.0	-32.38	3.12	55.02	-3.20e-05	4.29	4.69
27	28	6.37	4.22	2.45e-06	0.0	0.0	-43.47	9.77	41.99	-1.25e-06	2.12	5.88
		5.88	2.12	2.09e-04	0.0	5.0	-43.47	9.77	41.99	-1.25e-06	4.22	6.37
27	29	4.65	3.09	1.74e-06	0.0	0.0	-31.44	6.87	29.59	0.0	1.61	4.31
		4.31	1.61	1.47e-04	0.0	5.0	-31.44	6.87	29.59	0.0	3.09	4.65
27	32	-1.68	-6.47	1.33e-06	0.0	0.0	-15.69	13.73	100.60	1.17e-04	-11.22	-2.44
		-2.44	-11.22	1.46e-04	0.0	5.0	-15.69	13.73	100.60	1.17e-04	-6.47	-1.68
27	39	-2.36	-20.22	0.0	0.0	0.0	10.59	158.51	18.43	-4.93e-05	-21.26	-10.26
		-10.26	-21.26	1.44e-04	0.0	5.0	10.59	158.51	18.43	-4.93e-05	-20.22	-2.36
27	40	-1.71	-6.00	1.27e-06	0.0	0.0	-17.35	-12.87	102.85	-1.55e-05	-11.02	-1.71
		-2.33	-11.02	1.47e-04	0.0	5.0	-17.35	-12.87	102.85	-1.55e-05	-6.00	-2.33
27	64	-1.94	-9.00	1.23e-06	0.0	0.0	-10.98	36.38	86.28	5.66e-05	-13.14	-3.81
		-3.81	-13.14	1.46e-04	0.0	5.0	-10.98	36.38	86.28	5.66e-05	-9.00	-1.94
27	71	-2.35	-17.63	0.0	0.0	0.0	5.50	127.15	33.58	-4.27e-05	-19.38	-8.70
		-8.70	-19.38	1.44e-04	0.0	5.0	5.50	127.15	33.58	-4.27e-05	-17.63	-2.35
27	72	-2.34	-8.59	1.20e-06	0.0	0.0	-12.26	18.48	87.70	-2.22e-05	-12.90	-3.28
		-3.28	-12.90	1.46e-04	0.0	5.0	-12.26	18.48	87.70	-2.22e-05	-8.59	-2.34
29	1	-1.45e-03	0.01	-1.19e-04	0.0	0.0	-0.06	6.64e-03	0.03	9.09e-04	-0.01	-8.09e-03
		-8.09e-03	-0.01	6.74e-06	0.0	100.0	0.24	6.64e-03	0.03	9.09e-04	0.01	-1.45e-03
29	5	5.54e-03	0.32	-1.16e-04	0.0	0.0	0.25	9.51e-03	0.66	-1.64e-03	-0.34	-3.96e-03
		-3.96e-03	-0.34	-3.49e-05	0.0	100.0	0.54	9.51e-03	0.66	-1.64e-03	0.32	5.54e-03
29	15	4.26	0.27	-0.03	0.0	0.0	0.29	103.11	0.33	0.54	-0.05	-98.85
		-98.85	-0.05	1.76e-04	0.0	100.0	0.51	103.11	0.33	0.54	0.27	4.26
29	18	-3.93e-03	8.98e-03	-2.75e-06	0.0	0.0	0.49	0.01	0.02	1.35e-03	-9.77e-03	-0.02
		-0.02	-9.77e-03	1.32e-05	0.0	100.0	0.70	0.01	0.02	1.35e-03	8.98e-03	-3.93e-03
29	19	-3.89e-03	0.02	-2.36e-06	0.0	0.0	0.49	0.01	0.03	1.34e-03	-0.02	-0.02
		-0.02	-0.02	9.19e-06	0.0	100.0	0.70	0.01	0.03	1.34e-03	0.02	-3.89e-03
29	20	-1.08e-03	9.97e-03	-8.81e-05	0.0	0.0	-0.04	4.92e-03	0.02	6.74e-04	-0.01	-5.99e-03

		-5.99e-03	-0.01	4.99e-06	0.0	100.0	0.17	4.92e-03	0.02	6.74e-04	9.97e-03	-1.08e-03
29	21	3.59e-03	0.21	-8.64e-05	0.0	0.0	0.16	6.83e-03	0.44	-1.03e-03	-0.23	-3.24e-03
		-3.24e-03	-0.23	-2.29e-05	0.0	100.0	0.38	6.83e-03	0.44	-1.03e-03	0.21	3.59e-03
29	22	-3.93e-03	8.98e-03	-2.75e-06	0.0	0.0	0.49	0.01	0.02	1.35e-03	-9.77e-03	-0.02
		-0.02	-9.77e-03	1.32e-05	0.0	100.0	0.70	0.01	0.02	1.35e-03	8.98e-03	-3.93e-03
29	24	-5.77e-03	0.02	9.22e-06	0.0	0.0	0.74	0.02	0.05	1.91e-03	-0.02	-0.02
		-0.02	-0.02	1.30e-05	0.0	100.0	1.03	0.02	0.05	1.91e-03	0.02	-5.77e-03
29	27	-3.89e-03	0.02	-2.36e-06	0.0	0.0	0.49	0.01	0.03	1.34e-03	-0.02	-0.02
		-0.02	-0.02	9.19e-06	0.0	100.0	0.70	0.01	0.03	1.34e-03	0.02	-3.89e-03
29	28	-5.67e-03	0.02	9.66e-06	0.0	0.0	0.74	0.02	0.05	1.91e-03	-0.02	-0.02
		-0.02	-0.02	1.30e-05	0.0	100.0	1.03	0.02	0.05	1.91e-03	0.02	-5.67e-03
29	29	-3.89e-03	0.02	-2.36e-06	0.0	0.0	0.49	0.01	0.03	1.34e-03	-0.02	-0.02
		-0.02	-0.02	9.19e-06	0.0	100.0	0.70	0.01	0.03	1.34e-03	0.02	-3.89e-03
29	36	0.13	0.28	-0.01	0.0	0.0	1.15	54.37	6.31	-0.22	-3.17	-54.33
		-54.33	-3.17	4.49e-04	0.0	100.0	1.36	54.37	6.31	-0.22	0.28	0.13
29	39	-0.01	1.78	-0.03	0.0	0.0	-0.36	110.45	-3.24	-0.13	1.78	-110.43
		-110.43	-1.47	5.54e-04	0.0	100.0	-0.14	110.45	-3.24	-0.13	-1.47	-0.01
29	40	0.05	2.11	-9.23e-03	0.0	0.0	1.39	49.60	4.17	0.13	-2.07	-49.58
		-49.58	-2.07	-3.10e-04	0.0	100.0	1.61	49.60	4.17	0.13	2.11	0.05
29	54	0.03	5.38	-0.01	0.0	0.0	0.17	82.16	9.22	0.18	-4.70	-82.13
		-82.13	-4.70	-1.97e-03	0.0	100.0	0.38	82.16	9.22	0.18	5.38	0.03
29	56	0.09	4.52	-8.60e-03	0.0	0.0	0.57	67.69	10.99	0.03	-5.61	-67.64
		-67.64	-5.61	-1.64e-03	0.0	100.0	0.79	67.69	10.99	0.03	4.52	0.09
29	68	0.09	0.34	-0.02	0.0	0.0	0.91	64.34	4.16	-0.14	-2.06	-64.31
		-64.31	-2.06	2.87e-04	0.0	100.0	1.12	64.34	4.16	-0.14	0.34	0.09
29	71	-1.61e-03	1.08	-0.03	0.0	0.0	-0.04	99.27	-1.90	-0.08	1.08	-99.25
		-99.25	-0.82	4.03e-04	0.0	100.0	0.18	99.27	-1.90	-0.08	-0.82	-1.61e-03
29	72	0.04	1.46	-0.01	0.0	0.0	1.08	60.78	2.83	0.09	-1.37	-60.77
		-60.77	-1.37	-1.61e-04	0.0	100.0	1.29	60.78	2.83	0.09	1.46	0.04
29	86	0.02	3.58	-0.02	0.0	0.0	0.29	81.10	6.14	0.12	-3.10	-81.07
		-81.07	-3.10	-1.22e-03	0.0	100.0	0.51	81.10	6.14	0.12	3.58	0.02
29	88	0.06	3.05	-0.01	0.0	0.0	0.54	72.29	7.24	0.02	-3.66	-72.25
		-72.25	-3.66	-1.01e-03	0.0	100.0	0.76	72.29	7.24	0.02	3.05	0.06
30	6	-9.28	0.09	7.79e-06	0.0	0.0	-196.84	36.26	0.16	0.0	0.08	-11.10
		-11.10	0.08	1.01e-06	0.0	5.0	-196.84	36.26	0.16	0.0	0.09	-9.28
30	8	-9.17	0.11	3.39e-06	0.0	0.0	-32.84	10.28	6.10	0.0	-0.19	-9.69
		-9.69	-0.19	5.12e-06	0.0	5.0	-32.84	10.28	6.10	0.0	0.11	-9.17
30	10	-5.95	0.06	-3.22e-06	0.0	0.0	-42.56	15.44	0.14	0.0	0.05	-6.72
		-6.72	0.05	0.0	0.0	5.0	-42.56	15.44	0.14	0.0	0.06	-5.95
30	11	-6.29	0.09	0.0	0.0	0.0	-42.25	18.91	6.10	0.0	-0.22	-7.24
		-7.24	-0.22	5.32e-06	0.0	5.0	-42.25	18.91	6.10	0.0	0.09	-6.29
30	15	-69.29	1.81	-5.66e-05	0.0	0.0	-147.76	35.74	9.19	-9.71e-05	1.35	-71.08
		-71.08	1.35	3.65e-06	0.0	5.0	-147.76	35.74	9.19	-9.71e-05	1.81	-69.29
30	18	-7.07	0.79	5.20e-06	0.0	0.0	-134.54	24.90	-14.60	-8.97e-05	0.79	-8.32
		-8.32	0.06	0.0	0.0	5.0	-134.54	24.90	-14.60	-8.97e-05	0.06	-7.07
30	19	-7.07	0.07	5.23e-06	0.0	0.0	-134.54	24.85	0.12	0.0	0.06	-8.31
		-8.31	0.06	0.0	0.0	5.0	-134.54	24.85	0.12	0.0	0.07	-7.07
30	20	-8.83	0.08	0.0	0.0	0.0	-33.15	6.81	0.15	0.0	0.08	-9.17
		-9.17	0.08	0.0	0.0	5.0	-33.15	6.81	0.15	0.0	0.08	-8.83
30	21	-7.14	0.09	0.0	0.0	0.0	-39.21	14.88	4.11	0.0	-0.12	-7.88
		-7.88	-0.12	3.68e-06	0.0	5.0	-39.21	14.88	4.11	0.0	0.09	-7.14
30	22	-7.07	0.79	5.20e-06	0.0	0.0	-134.54	24.90	-14.60	-8.97e-05	0.79	-8.32
		-8.32	0.06	0.0	0.0	5.0	-134.54	24.90	-14.60	-8.97e-05	0.06	-7.07
30	27	-7.07	0.07	5.23e-06	0.0	0.0	-134.54	24.85	0.12	0.0	0.06	-8.31
		-8.31	0.06	0.0	0.0	5.0	-134.54	24.85	0.12	0.0	0.07	-7.07
30	28	-9.28	0.09	7.79e-06	0.0	0.0	-196.84	36.26	0.16	0.0	0.08	-11.10
		-11.10	0.08	1.01e-06	0.0	5.0	-196.84	36.26	0.16	0.0	0.09	-9.28
30	29	-7.07	0.07	5.23e-06	0.0	0.0	-134.54	24.85	0.12	0.0	0.06	-8.31
		-8.31	0.06	0.0	0.0	5.0	-134.54	24.85	0.12	0.0	0.07	-7.07
30	39	-134.46	0.43	-7.64e-05	0.0	0.0	-236.59	36.09	-9.45	-1.19e-04	0.43	-136.30
		-136.30	-0.19	5.29e-06	0.0	5.0	-236.59	36.09	-9.45	-1.19e-04	-0.19	-134.46
30	40	-31.76	2.70	-4.78e-05	0.0	0.0	-217.03	26.32	1.67	-3.67e-05	2.47	-33.04
		-33.04	2.47	6.01e-06	0.0	5.0	-217.03	26.32	1.67	-3.67e-05	2.70	-31.76
30	46	-82.76	5.78	-7.03e-05	0.0	0.0	-226.64	34.27	27.95	-5.68e-04	4.46	-84.36
		-84.36	4.46	7.63e-06	0.0	5.0	-226.64	34.27	27.95	-5.68e-04	5.78	-82.76
30	49	-83.46	-1.56	-5.39e-05	0.0	0.0	-226.97	28.13	-35.72	4.12e-04	-1.56	-84.98
		-84.98	-3.26	3.68e-06	0.0	5.0	-226.97	28.13	-35.72	4.12e-04	-3.26	-83.46
30	71	-115.59	0.79	-7.11e-05	0.0	0.0	-233.00	34.29	-7.49	-1.03e-04	0.79	-117.33
		-117.33	0.32	5.43e-06	0.0	5.0	-233.00	34.29	-7.49	-1.03e-04	0.32	-115.59
30	72	-50.63	2.19	-5.31e-05	0.0	0.0	-220.62	28.12	-0.29	-5.32e-05	2.19	-52.01
		-52.01	2.11	5.88e-06	0.0	5.0	-220.62	28.12	-0.29	-5.32e-05	2.19	-50.63
30	78	-82.35	4.12	-6.72e-05	0.0	0.0	-226.60	33.09	16.25	-3.83e-04	3.37	-83.93
		-83.93	3.37	6.89e-06	0.0	5.0	-226.60	33.09	16.25	-3.83e-04	4.12	-82.35
30	81	-83.87	-0.47	-5.69e-05	0.0	0.0	-227.02	29.32	-24.02	2.27e-04	-0.47	-85.41
		-85.41	-1.61	4.41e-06	0.0	5.0	-227.02	29.32	-24.02	2.27e-04	-1.61	-83.87
31	7	2.22	-0.02	1.21e-06	0.0	0.0	-22.86	1.73	0.16	0.0	-0.03	2.13
		2.13	-0.03	0.0	0.0	5.0	-22.86	1.73	0.16	0.0	-0.02	2.22

31	8	2.70	-0.07	4.03e-06	0.0	0.0	-22.79	3.44	6.39	0.0	-0.39	2.53
		2.53	-0.39	5.90e-06	0.0	5.0	-22.79	3.44	6.39	0.0	-0.07	2.70
31	13	5.56	0.93	6.37e-06	0.0	0.0	-261.07	15.62	-19.60	-6.44e-05	0.93	4.78
		4.78	-0.05	0.0	0.0	5.0	-261.07	15.62	-19.60	-6.44e-05	-0.05	5.56
31	15	20.98	-0.85	-5.08e-05	0.0	0.0	-72.38	-7.39	2.08	-4.66e-05	-0.95	20.98
		20.61	-0.95	2.06e-06	0.0	5.0	-72.38	-7.39	2.08	-4.66e-05	-0.85	20.61
31	18	3.93	0.62	4.37e-06	0.0	0.0	-176.33	10.59	-13.05	-4.30e-05	0.62	3.40
		3.40	-0.03	0.0	0.0	5.0	-176.33	10.59	-13.05	-4.30e-05	-0.03	3.93
31	19	3.93	-0.03	4.39e-06	0.0	0.0	-176.33	10.54	0.19	0.0	-0.04	3.40
		3.40	-0.04	0.0	0.0	5.0	-176.33	10.54	0.19	0.0	-0.03	3.93
31	20	2.22	-0.02	1.21e-06	0.0	0.0	-22.86	1.73	0.16	0.0	-0.03	2.13
		2.13	-0.03	0.0	0.0	5.0	-22.86	1.73	0.16	0.0	-0.02	2.22
31	21	2.67	-0.05	0.0	0.0	0.0	-42.91	4.74	4.33	0.0	-0.27	2.43
		2.43	-0.27	4.15e-06	0.0	5.0	-42.91	4.74	4.33	0.0	-0.05	2.67
31	22	3.93	0.62	4.37e-06	0.0	0.0	-176.33	10.59	-13.05	-4.30e-05	0.62	3.40
		3.40	-0.03	0.0	0.0	5.0	-176.33	10.59	-13.05	-4.30e-05	-0.03	3.93
31	24	5.56	-0.04	6.35e-06	0.0	0.0	-261.07	16.04	0.25	0.0	-0.05	4.76
		4.76	-0.05	0.0	0.0	5.0	-261.07	16.04	0.25	0.0	-0.04	5.56
31	27	3.93	-0.03	4.39e-06	0.0	0.0	-176.33	10.54	0.19	0.0	-0.04	3.40
		3.40	-0.04	0.0	0.0	5.0	-176.33	10.54	0.19	0.0	-0.03	3.93
31	28	5.56	-0.04	6.40e-06	0.0	0.0	-261.06	15.55	0.26	0.0	-0.05	4.78
		4.78	-0.05	0.0	0.0	5.0	-261.06	15.55	0.26	0.0	-0.04	5.56
31	29	3.93	-0.03	4.39e-06	0.0	0.0	-176.33	10.54	0.19	0.0	-0.04	3.40
		3.40	-0.04	0.0	0.0	5.0	-176.33	10.54	0.19	0.0	-0.03	3.93
31	31	26.79	-0.10	-6.66e-05	0.0	0.0	-188.00	6.39	-20.04	-2.41e-04	-0.10	25.64
		25.64	-0.45	5.38e-06	0.0	5.0	-188.00	6.39	-20.04	-2.41e-04	-0.45	26.79
31	32	27.02	-0.76	-4.30e-05	0.0	0.0	-154.14	-0.64	13.70	1.67e-04	-0.80	27.02
		26.16	-0.80	5.58e-06	0.0	5.0	-154.14	-0.64	13.70	1.67e-04	-0.76	26.16
31	39	26.56	-0.69	-6.81e-05	0.0	0.0	-190.12	8.27	-14.76	-5.68e-05	-0.69	25.76
		25.76	-1.41	5.47e-06	0.0	5.0	-190.12	8.27	-14.76	-5.68e-05	-1.41	26.56
31	40	26.91	0.20	-4.15e-05	0.0	0.0	-152.03	-2.52	8.43	-1.78e-05	-0.20	26.91
		26.39	-0.20	5.48e-06	0.0	5.0	-152.03	-2.52	8.43	-1.78e-05	0.20	26.39
31	54	26.38	1.70	-5.60e-05	0.0	0.0	-178.85	4.82	23.43	-2.20e-04	0.35	25.92
		25.92	0.35	5.84e-06	0.0	5.0	-178.85	4.82	23.43	-2.20e-04	1.70	26.38
31	57	26.74	-1.25	-5.35e-05	0.0	0.0	-163.29	0.93	-29.77	1.45e-04	-1.25	26.74
		26.57	-2.91	5.12e-06	0.0	5.0	-163.29	0.93	-29.77	1.45e-04	-2.91	26.57
31	62	26.80	0.25	-6.07e-05	0.0	0.0	-179.53	5.44	-2.45	-2.19e-04	-0.01	26.04
		26.04	-0.01	5.54e-06	0.0	5.0	-179.53	5.44	-2.45	-2.19e-04	0.25	26.80
31	63	26.67	-0.24	-6.20e-05	0.0	0.0	-181.40	4.99	-13.94	-1.59e-04	-0.24	25.90
		25.90	-0.53	5.43e-06	0.0	5.0	-181.40	4.99	-13.94	-1.59e-04	-0.53	26.67
31	71	26.53	-0.60	-6.32e-05	0.0	0.0	-183.12	6.28	-10.59	-4.90e-05	-0.60	25.97
		25.97	-1.12	5.46e-06	0.0	5.0	-183.12	6.28	-10.59	-4.90e-05	-1.12	26.53
31	72	26.70	-0.09	-4.64e-05	0.0	0.0	-159.02	-0.53	4.25	-2.56e-05	-0.29	26.70
		26.42	-0.29	5.49e-06	0.0	5.0	-159.02	-0.53	4.25	-2.56e-05	-0.09	26.42
31	86	26.41	0.87	-5.55e-05	0.0	0.0	-175.93	4.06	14.04	-1.51e-04	0.06	26.08
		26.08	0.06	5.71e-06	0.0	5.0	-175.93	4.06	14.04	-1.51e-04	0.87	26.41
31	89	26.59	-0.96	-5.41e-05	0.0	0.0	-166.21	1.69	-20.38	7.67e-05	-0.96	26.59
		26.54	-2.09	5.24e-06	0.0	5.0	-166.21	1.69	-20.38	7.67e-05	-2.09	26.54
32	6	-11.61	0.11	2.53e-06	0.0	0.0	-307.19	-13.70	0.45	0.0	0.08	-11.61
		-12.29	0.08	0.0	0.0	5.0	-307.19	-13.70	0.45	0.0	0.11	-12.29
32	8	-2.87	-0.25	4.67e-06	0.0	0.0	-22.72	-1.16	6.02	0.0	-0.55	-2.87
		-2.93	-0.55	5.99e-06	0.0	5.0	-22.72	-1.16	6.02	0.0	-0.25	-2.93
32	13	-11.62	0.40	2.50e-06	0.0	0.0	-307.19	-13.49	-5.90	-6.47e-05	0.40	-11.62
		-12.29	0.11	0.0	0.0	5.0	-307.19	-13.49	-5.90	-6.47e-05	0.11	-12.29
32	15	-1.25	0.15	-4.51e-05	0.0	0.0	-41.63	-7.99	-0.24	-4.65e-05	0.15	-1.25
		-1.65	0.14	1.20e-06	0.0	5.0	-41.63	-7.99	-0.24	-4.65e-05	0.14	-1.65
32	18	-7.97	0.27	1.91e-06	0.0	0.0	-207.08	-9.01	-3.92	-4.31e-05	0.27	-7.97
		-8.42	0.07	0.0	0.0	5.0	-207.08	-9.01	-3.92	-4.31e-05	0.07	-8.42
32	19	-7.96	0.07	1.93e-06	0.0	0.0	-207.08	-9.14	0.31	0.0	0.06	-7.96
		-8.42	0.06	0.0	0.0	5.0	-207.08	-9.14	0.31	0.0	0.07	-8.42
32	20	-2.27	0.02	2.39e-06	0.0	0.0	-22.84	-0.12	0.08	0.0	0.02	-2.27
		-2.28	0.02	0.0	0.0	5.0	-22.84	-0.12	0.08	0.0	0.02	-2.28
32	21	-3.61	-0.15	0.0	0.0	0.0	-34.59	-4.17	4.09	0.0	-0.35	-3.61
		-3.82	-0.35	4.16e-06	0.0	5.0	-34.59	-4.17	4.09	0.0	-0.15	-3.82
32	22	-7.97	0.27	1.91e-06	0.0	0.0	-207.08	-9.01	-3.92	-4.31e-05	0.27	-7.97
		-8.42	0.07	0.0	0.0	5.0	-207.08	-9.01	-3.92	-4.31e-05	0.07	-8.42
32	24	-11.67	0.11	2.48e-06	0.0	0.0	-307.19	-12.33	0.44	0.0	0.08	-11.67
		-12.29	0.08	0.0	0.0	5.0	-307.19	-12.33	0.44	0.0	0.11	-12.29
32	27	-7.96	0.07	1.93e-06	0.0	0.0	-207.08	-9.14	0.31	0.0	0.06	-7.96
		-8.42	0.06	0.0	0.0	5.0	-207.08	-9.14	0.31	0.0	0.07	-8.42
32	28	-11.61	0.11	2.53e-06	0.0	0.0	-307.19	-13.70	0.45	0.0	0.08	-11.61
		-12.29	0.08	0.0	0.0	5.0	-307.19	-13.70	0.45	0.0	0.11	-12.29
32	29	-7.96	0.07	1.93e-06	0.0	0.0	-207.08	-9.14	0.31	0.0	0.06	-7.96
		-8.42	0.06	0.0	0.0	5.0	-207.08	-9.14	0.31	0.0	0.07	-8.42
32	38	15.08	0.22	-5.75e-05	0.0	0.0	-181.39	7.35	5.96	-1.52e-04	-0.17	14.71
		14.71	-0.17	4.56e-06	0.0	5.0	-181.39	7.35	5.96	-1.52e-04	0.22	15.08
32	39	18.71	0.43	-5.90e-05	0.0	0.0	-182.07	9.27	-9.21	-5.69e-05	0.43	18.25

		18.25	-0.04	4.59e-06	0.0	5.0	-182.07	9.27	-9.21	-5.69e-05	-0.04	18.71
32	40	-29.07	0.09	-3.91e-05	0.0	0.0	-190.62	-16.70	11.60	-1.79e-05	-0.50	-29.07
		-29.91	-0.50	4.54e-06	0.0	5.0	-190.62	-16.70	11.60	-1.79e-05	0.09	-29.91
32	41	-25.53	0.10	-4.06e-05	0.0	0.0	-191.31	-14.78	-3.58	7.75e-05	0.10	-25.53
		-26.27	-0.17	4.57e-06	0.0	5.0	-191.31	-14.78	-3.58	7.75e-05	-0.17	-26.27
32	54	4.32	0.23	-5.00e-05	0.0	0.0	-186.13	-3.08	28.86	-2.20e-04	-1.37	4.26
		4.26	-1.37	4.55e-06	0.0	5.0	-186.13	-3.08	28.86	-2.20e-04	0.23	4.32
32	57	-15.08	1.30	-4.80e-05	0.0	0.0	-186.56	-4.35	-26.48	1.45e-04	1.30	-15.08
		-15.52	-0.18	4.58e-06	0.0	5.0	-186.56	-4.35	-26.48	1.45e-04	-0.18	-15.52
32	70	7.42	0.16	-5.43e-05	0.0	0.0	-183.21	3.25	4.20	-1.09e-04	-0.12	7.25
		7.25	-0.12	4.57e-06	0.0	5.0	-183.21	3.25	4.20	-1.09e-04	0.16	7.42
32	71	9.78	0.26	-5.53e-05	0.0	0.0	-183.65	4.50	-5.53	-4.91e-05	0.26	9.56
		9.56	-0.03	4.59e-06	0.0	5.0	-183.65	4.50	-5.53	-4.91e-05	-0.03	9.78
32	72	-20.38	0.08	-4.27e-05	0.0	0.0	-189.04	-11.93	7.92	-2.57e-05	-0.33	-20.38
		-20.98	-0.33	4.55e-06	0.0	5.0	-189.04	-11.93	7.92	-2.57e-05	0.08	-20.98
32	73	-18.08	0.05	-4.37e-05	0.0	0.0	-189.48	-10.69	-1.81	3.47e-05	0.05	-18.08
		-18.61	-0.11	4.57e-06	0.0	5.0	-189.48	-10.69	-1.81	3.47e-05	-0.11	-18.61
32	86	0.63	0.17	-4.96e-05	0.0	0.0	-186.27	-3.44	19.07	-1.52e-04	-0.89	0.63
		0.60	-0.89	4.56e-06	0.0	5.0	-186.27	-3.44	19.07	-1.52e-04	0.17	0.60
32	89	-11.45	0.82	-4.85e-05	0.0	0.0	-186.42	-3.99	-16.68	7.69e-05	0.82	-11.45
		-11.79	-0.12	4.58e-06	0.0	5.0	-186.42	-3.99	-16.68	7.69e-05	-0.12	-11.79
33	6	38.95	-0.47	1.77e-06	0.0	0.0	-168.76	-40.11	-0.58	0.0	-0.47	38.95
		36.94	-0.50	0.0	0.0	5.0	-168.76	-40.11	-0.58	0.0	-0.50	36.94
33	7	8.26	-0.08	3.25e-06	0.0	0.0	-29.27	-8.10	-0.42	0.0	-0.08	8.26
		7.86	-0.10	0.0	0.0	5.0	-29.27	-8.10	-0.42	0.0	-0.10	7.86
33	8	9.12	-5.68e-03	5.31e-06	0.0	0.0	-29.05	-11.85	4.70	0.0	-0.24	9.12
		8.52	-0.24	5.00e-06	0.0	5.0	-29.05	-11.85	4.70	0.0	-5.68e-03	8.52
33	13	38.94	-0.14	1.74e-06	0.0	0.0	-168.76	-40.00	-7.35	-1.02e-04	-0.14	38.94
		36.94	-0.50	0.0	0.0	5.0	-168.76	-40.00	-7.35	-1.02e-04	-0.50	36.94
33	15	13.39	0.05	-4.23e-05	0.0	0.0	-35.46	-17.77	-3.52	-7.32e-05	0.05	13.39
		12.51	-0.12	0.0	0.0	5.0	-35.46	-17.77	-3.52	-7.32e-05	-0.12	12.51
33	18	26.79	-0.10	1.48e-06	0.0	0.0	-115.43	-27.48	-4.94	-6.78e-05	-0.10	26.79
		25.41	-0.35	0.0	0.0	5.0	-115.43	-27.48	-4.94	-6.78e-05	-0.35	25.41
33	19	26.79	-0.32	1.51e-06	0.0	0.0	-115.43	-27.55	-0.43	0.0	-0.32	26.79
		25.41	-0.34	0.0	0.0	5.0	-115.43	-27.55	-0.43	0.0	-0.34	25.41
33	20	8.26	-0.08	3.25e-06	0.0	0.0	-29.27	-8.10	-0.42	0.0	-0.08	8.26
		7.86	-0.10	0.0	0.0	5.0	-29.27	-8.10	-0.42	0.0	-0.10	7.86
33	21	10.64	-0.06	0.0	0.0	0.0	-35.90	-15.68	2.94	0.0	-0.21	10.64
		9.86	-0.21	3.40e-06	0.0	5.0	-35.90	-15.68	2.94	0.0	-0.06	9.86
33	22	26.79	-0.10	1.48e-06	0.0	0.0	-115.43	-27.48	-4.94	-6.78e-05	-0.10	26.79
		25.41	-0.35	0.0	0.0	5.0	-115.43	-27.48	-4.94	-6.78e-05	-0.35	25.41
33	24	38.84	-0.48	1.71e-06	0.0	0.0	-168.77	-37.91	-0.50	1.11e-06	-0.48	38.84
		36.94	-0.50	0.0	0.0	5.0	-168.77	-37.91	-0.50	1.11e-06	-0.50	36.94
33	27	26.79	-0.32	1.51e-06	0.0	0.0	-115.43	-27.55	-0.43	0.0	-0.32	26.79
		25.41	-0.34	0.0	0.0	5.0	-115.43	-27.55	-0.43	0.0	-0.34	25.41
33	28	38.95	-0.47	1.77e-06	0.0	0.0	-168.76	-40.11	-0.58	0.0	-0.47	38.95
		36.94	-0.50	0.0	0.0	5.0	-168.76	-40.11	-0.58	0.0	-0.50	36.94
33	29	26.79	-0.32	1.51e-06	0.0	0.0	-115.43	-27.55	-0.43	0.0	-0.32	26.79
		25.41	-0.34	0.0	0.0	5.0	-115.43	-27.55	-0.43	0.0	-0.34	25.41
33	39	39.68	0.08	-5.53e-05	0.0	0.0	-98.30	-37.99	-9.40	-8.95e-05	0.08	39.68
		37.71	-0.41	3.36e-06	0.0	5.0	-98.30	-37.99	-9.40	-8.95e-05	-0.41	37.71
33	40	17.60	-0.16	-3.74e-05	0.0	0.0	-110.87	-15.64	5.90	-2.81e-05	-0.48	17.60
		16.89	-0.48	3.36e-06	0.0	5.0	-110.87	-15.64	5.90	-2.81e-05	-0.16	16.89
33	55	29.61	0.66	-4.99e-05	0.0	0.0	-104.05	-27.67	-22.42	-9.03e-06	0.66	29.61
		28.20	-0.48	3.31e-06	0.0	5.0	-104.05	-27.67	-22.42	-9.03e-06	-0.48	28.20
33	56	27.67	-0.09	-4.29e-05	0.0	0.0	-105.11	-25.96	18.92	-1.09e-04	-1.07	27.67
		26.39	-1.07	3.41e-06	0.0	5.0	-105.11	-25.96	18.92	-1.09e-04	-0.09	26.39
33	71	35.62	-0.02	-5.20e-05	0.0	0.0	-100.60	-33.87	-6.70	-7.72e-05	-0.02	35.62
		33.89	-0.37	3.37e-06	0.0	5.0	-100.60	-33.87	-6.70	-7.72e-05	-0.37	33.89
33	72	21.65	-0.21	-4.07e-05	0.0	0.0	-108.56	-19.76	3.20	-4.03e-05	-0.38	21.65
		20.71	-0.38	3.36e-06	0.0	5.0	-108.56	-19.76	3.20	-4.03e-05	-0.21	20.71
33	87	29.16	0.36	-4.85e-05	0.0	0.0	-104.30	-27.32	-15.14	-2.23e-05	0.36	29.16
		27.78	-0.41	3.33e-06	0.0	5.0	-104.30	-27.32	-15.14	-2.23e-05	-0.41	27.78
33	88	28.12	-0.16	-4.42e-05	0.0	0.0	-104.86	-26.31	11.64	-9.52e-05	-0.76	28.12
		26.82	-0.76	3.39e-06	0.0	5.0	-104.86	-26.31	11.64	-9.52e-05	-0.16	26.82
51	7	0.07	6.91	-3.45e-06	0.0	0.0	-25.00	-0.39	-42.65	2.90e-06	6.91	0.07
		0.05	4.78	-6.90e-05	0.0	5.0	-25.00	-0.39	-42.65	2.90e-06	4.78	0.05
51	9	-1.97	11.55	0.0	0.0	0.0	-18.06	1.76	-77.17	8.28e-06	11.55	-2.06
		-2.06	7.69	-1.39e-04	0.0	5.0	-18.06	1.76	-77.17	8.28e-06	7.69	-1.97
51	14	-0.06	15.01	-1.67e-06	0.0	0.0	-200.23	1.09	-94.93	-1.27e-04	15.01	-0.11
		-0.11	10.26	-1.48e-04	0.0	5.0	-200.23	1.09	-94.93	-1.27e-04	10.26	-0.06
51	15	15.51	19.49	-4.11e-05	0.0	0.0	-25.72	-9.15	-124.75	-8.87e-05	19.49	15.51
		15.05	13.25	-1.16e-04	0.0	5.0	-25.72	-9.15	-124.75	-8.87e-05	13.25	15.05
51	19	-1.05	12.10	-1.28e-06	0.0	0.0	-28.35	1.07	-79.27	7.24e-06	12.10	-1.10
		-1.10	8.13	-1.36e-04	0.0	5.0	-28.35	1.07	-79.27	7.24e-06	8.13	-1.05
51	20	0.07	6.91	-3.45e-06	0.0	0.0	-25.00	-0.39	-42.65	2.90e-06	6.91	0.07
		0.05	4.78	-6.90e-05	0.0	5.0	-25.00	-0.39	-42.65	2.90e-06	4.78	0.05

51	21	-0.06	11.07	-1.46e-06	0.0	0.0	-134.92	0.69	-69.27	5.39e-06	11.07	-0.10
		-0.10	7.60	-1.05e-04	0.0	5.0	-134.92	0.69	-69.27	5.39e-06	7.60	-0.06
51	22	-1.02	11.73	-1.28e-06	0.0	0.0	-29.41	1.07	-77.55	-8.24e-05	11.73	-1.07
		-1.07	7.85	-1.36e-04	0.0	5.0	-29.41	1.07	-77.55	-8.24e-05	7.85	-1.02
51	27	-1.05	12.10	-1.28e-06	0.0	0.0	-28.35	1.07	-79.27	7.24e-06	12.10	-1.10
		-1.10	8.13	-1.36e-04	0.0	5.0	-28.35	1.07	-79.27	7.24e-06	8.13	-1.05
51	28	-1.58	17.11	-1.41e-06	0.0	0.0	-38.77	1.67	-112.51	1.04e-05	17.11	-1.66
		-1.66	11.49	-1.93e-04	0.0	5.0	-38.77	1.67	-112.51	1.04e-05	11.49	-1.58
51	29	-1.05	12.10	-1.28e-06	0.0	0.0	-28.35	1.07	-79.27	7.24e-06	12.10	-1.10
		-1.10	8.13	-1.36e-04	0.0	5.0	-28.35	1.07	-79.27	7.24e-06	8.13	-1.05
51	38	16.99	18.80	-8.04e-05	0.0	0.0	-157.77	-13.05	-205.70	-2.93e-04	18.80	16.99
		16.38	9.68	-1.85e-04	0.0	5.0	-157.77	-13.05	-205.70	-2.93e-04	9.68	16.38
51	39	16.35	20.12	-7.75e-05	0.0	0.0	-137.17	-11.85	-229.11	-9.44e-05	20.12	16.35
		15.71	7.51	-1.85e-04	0.0	5.0	-137.17	-11.85	-229.11	-9.44e-05	7.51	15.71
51	41	7.99	37.45	-4.86e-05	0.0	0.0	-115.39	-16.31	-134.28	1.60e-04	37.45	7.99
		7.13	29.57	-1.79e-04	0.0	5.0	-115.39	-16.31	-134.28	1.60e-04	29.57	7.13
51	54	14.25	24.10	-7.37e-05	0.0	0.0	-183.13	-16.77	-145.80	-4.45e-04	24.10	14.25
		13.56	18.63	-1.85e-04	0.0	5.0	-183.13	-16.77	-145.80	-4.45e-04	18.63	13.56
51	57	10.72	32.15	-5.53e-05	0.0	0.0	-90.03	-12.59	-194.19	3.11e-04	32.15	10.72
		9.95	20.62	-1.79e-04	0.0	5.0	-90.03	-12.59	-194.19	3.11e-04	20.62	9.95
51	70	15.33	22.24	-7.45e-05	0.0	0.0	-149.85	-13.66	-192.43	-2.09e-04	22.24	15.33
		14.68	13.37	-1.84e-04	0.0	5.0	-149.85	-13.66	-192.43	-2.09e-04	13.37	14.68
51	71	14.92	23.08	-7.27e-05	0.0	0.0	-136.79	-12.88	-207.66	-8.29e-05	23.08	14.92
		14.25	11.95	-1.83e-04	0.0	5.0	-136.79	-12.88	-207.66	-8.29e-05	11.95	14.25
51	73	9.64	34.01	-5.45e-05	0.0	0.0	-123.31	-15.70	-147.56	7.53e-05	34.01	9.64
		8.83	25.88	-1.81e-04	0.0	5.0	-123.31	-15.70	-147.56	7.53e-05	25.88	8.83
51	86	13.57	25.68	-7.01e-05	0.0	0.0	-166.18	-16.07	-153.68	-3.04e-04	25.68	13.57
		12.87	19.12	-1.84e-04	0.0	5.0	-166.18	-16.07	-153.68	-3.04e-04	19.12	12.87
51	89	11.40	30.57	-5.89e-05	0.0	0.0	-106.98	-13.29	-186.31	1.70e-04	30.57	11.40
		10.64	20.13	-1.80e-04	0.0	5.0	-106.98	-13.29	-186.31	1.70e-04	20.13	10.64
52	6	-0.59	3.74	2.04e-06	0.0	0.0	-58.41	-0.91	-71.79	5.04e-06	3.74	-0.59
		-0.63	0.15	-1.21e-04	0.0	5.0	-58.41	-0.91	-71.79	5.04e-06	0.15	-0.63
52	7	-0.72	0.95	-3.05e-06	0.0	0.0	-30.45	-0.05	-21.35	1.70e-06	0.95	-0.72
		-0.73	-0.12	-4.16e-05	0.0	5.0	-30.45	-0.05	-21.35	1.70e-06	-0.12	-0.73
52	11	-0.19	1.07	0.0	0.0	0.0	-46.83	-0.46	-29.55	1.82e-06	1.07	-0.19
		-0.21	-0.40	-6.89e-05	0.0	5.0	-46.83	-0.46	-29.55	1.82e-06	-0.40	-0.21
52	13	-0.58	4.76	2.00e-06	0.0	0.0	-58.33	-0.75	-92.29	-1.29e-04	4.76	-0.58
		-0.62	0.14	-1.21e-04	0.0	5.0	-58.33	-0.75	-92.29	-1.29e-04	0.14	-0.62
52	15	-9.25	1.53	-6.68e-05	0.0	0.0	-43.11	1.34	-55.55	-8.76e-05	1.53	-9.32
		-9.32	-1.25	-7.06e-05	0.0	5.0	-43.11	1.34	-55.55	-8.76e-05	-1.25	-9.25
52	18	-0.46	3.27	1.03e-06	0.0	0.0	-41.93	-0.51	-63.67	-8.57e-05	3.27	-0.46
		-0.49	0.08	-8.51e-05	0.0	5.0	-41.93	-0.51	-63.67	-8.57e-05	0.08	-0.49
52	19	-0.46	2.59	1.05e-06	0.0	0.0	-41.98	-0.61	-49.99	3.53e-06	2.59	-0.46
		-0.49	0.09	-8.51e-05	0.0	5.0	-41.98	-0.61	-49.99	3.53e-06	0.09	-0.49
52	20	-0.72	0.95	-3.05e-06	0.0	0.0	-30.45	-0.05	-21.35	1.70e-06	0.95	-0.72
		-0.73	-0.12	-4.16e-05	0.0	5.0	-30.45	-0.05	-21.35	1.70e-06	-0.12	-0.73
52	21	-0.37	1.03	-1.43e-06	0.0	0.0	-41.37	-0.32	-26.82	1.78e-06	1.03	-0.37
		-0.39	-0.31	-5.98e-05	0.0	5.0	-41.37	-0.32	-26.82	1.78e-06	-0.31	-0.39
52	22	-0.46	3.27	1.03e-06	0.0	0.0	-41.93	-0.51	-63.67	-8.57e-05	3.27	-0.46
		-0.49	0.08	-8.51e-05	0.0	5.0	-41.93	-0.51	-63.67	-8.57e-05	0.08	-0.49
52	27	-0.46	2.59	1.05e-06	0.0	0.0	-41.98	-0.61	-49.99	3.53e-06	2.59	-0.46
		-0.49	0.09	-8.51e-05	0.0	5.0	-41.98	-0.61	-49.99	3.53e-06	0.09	-0.49
52	28	-0.59	3.74	2.04e-06	0.0	0.0	-58.41	-0.91	-71.79	5.04e-06	3.74	-0.59
		-0.63	0.15	-1.21e-04	0.0	5.0	-58.41	-0.91	-71.79	5.04e-06	0.15	-0.63
52	29	-0.46	2.59	1.05e-06	0.0	0.0	-41.98	-0.61	-49.99	3.53e-06	2.59	-0.46
		-0.49	0.09	-8.51e-05	0.0	5.0	-41.98	-0.61	-49.99	3.53e-06	0.09	-0.49
52	30	-12.15	8.78	-1.05e-04	0.0	0.0	-66.34	-0.70	-102.01	-6.84e-04	8.78	-12.15
		-12.20	3.97	-1.09e-04	0.0	5.0	-66.34	-0.70	-102.01	-6.84e-04	3.97	-12.20
52	33	-5.56	-0.13	-5.77e-05	0.0	0.0	-57.96	0.78	-68.46	5.49e-04	-0.13	-5.61
		-5.61	-3.85	-1.08e-04	0.0	5.0	-57.96	0.78	-68.46	5.49e-04	-3.85	-5.56
52	46	-10.52	9.09	-9.34e-05	0.0	0.0	-57.83	0.12	-94.98	-5.53e-04	9.09	-10.52
		-10.54	4.72	-1.07e-04	0.0	5.0	-57.83	0.12	-94.98	-5.53e-04	4.72	-10.54
52	49	-7.22	-0.44	-6.96e-05	0.0	0.0	-66.46	-0.03	-75.49	4.18e-04	-0.44	-7.25
		-7.25	-4.59	-1.09e-04	0.0	5.0	-66.46	-0.03	-75.49	4.18e-04	-4.59	-7.22
52	59	-9.11	0.99	-8.40e-05	0.0	0.0	-70.86	-0.48	-97.53	1.16e-04	0.99	-9.11
		-9.11	-3.89	-1.09e-04	0.0	5.0	-70.86	-0.48	-97.53	1.16e-04	-3.89	-9.11
52	60	-8.64	7.66	-7.90e-05	0.0	0.0	-53.43	0.56	-72.94	-2.51e-04	7.66	-8.65
		-8.65	4.01	-1.07e-04	0.0	5.0	-53.43	0.56	-72.94	-2.51e-04	4.01	-8.64
52	62	-10.86	7.07	-9.59e-05	0.0	0.0	-64.69	-0.40	-95.50	-4.42e-04	7.07	-10.86
		-10.88	2.52	-1.08e-04	0.0	5.0	-64.69	-0.40	-95.50	-4.42e-04	2.52	-10.88
52	65	-6.87	1.58	-6.71e-05	0.0	0.0	-59.61	0.48	-74.97	3.08e-04	1.58	-6.90
		-6.90	-2.39	-1.08e-04	0.0	5.0	-59.61	0.48	-74.97	3.08e-04	-2.39	-6.87
52	78	-9.88	7.33	-8.88e-05	0.0	0.0	-59.29	0.10	-91.34	-3.70e-04	7.33	-9.88
		-9.90	3.03	-1.07e-04	0.0	5.0	-59.29	0.10	-91.34	-3.70e-04	3.03	-9.90
52	81	-7.86	1.32	-7.42e-05	0.0	0.0	-65.01	-0.02	-79.13	2.36e-04	1.32	-7.88
		-7.88	-2.90	-1.09e-04	0.0	5.0	-65.01	-0.02	-79.13	2.36e-04	-2.90	-7.86
52	91	-9.03	2.17	-8.32e-05	0.0	0.0	-67.80	-0.29	-93.15	5.12e-05	2.17	-9.03

		-9.03	-2.49	-1.09e-04	0.0	5.0	-67.80	-0.29	-93.15	5.12e-05	-2.49	-9.03
52	92	-8.73	6.48	-7.98e-05	0.0	0.0	-56.50	0.38	-77.32	-1.86e-04	6.48	-8.73
		-8.73	2.61	-1.07e-04	0.0	5.0	-56.50	0.38	-77.32	-1.86e-04	2.61	-8.73
53	5	1.14	0.29	-1.21e-06	0.0	0.0	-88.92	-0.96	-62.95	4.26e-06	0.29	1.14
		1.09	-2.86	-1.21e-04	0.0	5.0	-88.92	-0.96	-62.95	4.26e-06	-2.86	1.09
53	9	-0.03	1.27	2.53e-06	0.0	0.0	-17.57	-1.54	-67.42	5.59e-06	1.27	-0.03
		-0.11	-2.10	-1.20e-04	0.0	5.0	-17.57	-1.54	-67.42	5.59e-06	-2.10	-0.11
53	11	1.21	0.05	0.0	0.0	0.0	-80.75	-0.88	-51.64	3.45e-06	0.05	1.21
		1.17	-2.53	-1.00e-04	0.0	5.0	-80.75	-0.88	-51.64	3.45e-06	-2.53	1.17
53	13	0.39	2.60	0.0	0.0	0.0	-39.19	-1.50	-108.94	-1.27e-04	2.60	0.39
		0.31	-2.85	-1.65e-04	0.0	5.0	-39.19	-1.50	-108.94	-1.27e-04	-2.85	0.31
53	15	-1.84	2.35	-5.49e-05	0.0	0.0	-36.43	2.01	-82.23	-8.43e-05	2.35	-1.94
		-1.94	-1.76	-9.84e-05	0.0	5.0	-36.43	2.01	-82.23	-8.43e-05	-1.76	-1.84
53	18	0.24	1.80	0.0	0.0	0.0	-28.46	-1.02	-75.86	-8.46e-05	1.80	0.24
		0.19	-1.99	-1.16e-04	0.0	5.0	-28.46	-1.02	-75.86	-8.46e-05	-1.99	0.19
53	19	0.27	1.29	0.0	0.0	0.0	-28.67	-1.18	-65.58	4.80e-06	1.29	0.27
		0.21	-1.99	-1.16e-04	0.0	5.0	-28.67	-1.18	-65.58	4.80e-06	-1.99	0.21
53	20	-0.22	0.67	-3.37e-06	0.0	0.0	-23.34	-0.23	-32.34	2.32e-06	0.67	-0.22
		-0.23	-0.95	-5.80e-05	0.0	5.0	-23.34	-0.23	-32.34	2.32e-06	-0.95	-0.23
53	21	0.73	0.26	-1.14e-06	0.0	0.0	-61.61	-0.66	-45.20	3.07e-06	0.26	0.73
		0.70	-2.00	-8.62e-05	0.0	5.0	-61.61	-0.66	-45.20	3.07e-06	-2.00	0.70
53	22	0.24	1.80	0.0	0.0	0.0	-28.46	-1.02	-75.86	-8.46e-05	1.80	0.24
		0.19	-1.99	-1.16e-04	0.0	5.0	-28.46	-1.02	-75.86	-8.46e-05	-1.99	0.19
53	25	1.12	0.10	-1.22e-06	0.0	0.0	-88.87	-0.53	-59.24	3.43e-06	0.10	1.12
		1.09	-2.87	-1.21e-04	0.0	5.0	-88.87	-0.53	-59.24	3.43e-06	-2.87	1.09
53	28	0.43	1.83	0.0	0.0	0.0	-39.51	-1.74	-93.53	6.85e-06	1.83	0.43
		0.35	-2.85	-1.65e-04	0.0	5.0	-39.51	-1.74	-93.53	6.85e-06	-2.85	0.35
53	29	0.27	1.29	0.0	0.0	0.0	-28.67	-1.18	-65.58	4.80e-06	1.29	0.27
		0.21	-1.99	-1.16e-04	0.0	5.0	-28.67	-1.18	-65.58	4.80e-06	-1.99	0.21
53	34	-8.51	8.53	-9.85e-05	0.0	0.0	-99.46	6.18	-144.21	-6.44e-04	8.53	-8.82
		-8.82	-1.55	-1.55e-04	0.0	5.0	-99.46	6.18	-144.21	-6.44e-04	-1.55	-8.51
53	37	-0.97	1.57	-5.22e-05	0.0	0.0	-62.96	6.17	-98.25	5.21e-04	1.57	-1.27
		-1.27	-0.48	-1.50e-04	0.0	5.0	-62.96	6.17	-98.25	5.21e-04	-0.48	-0.97
53	46	-7.20	9.39	-8.73e-05	0.0	0.0	-98.94	7.11	-116.23	-5.47e-04	9.39	-7.55
		-7.55	2.60	-1.52e-04	0.0	5.0	-98.94	7.11	-116.23	-5.47e-04	2.60	-7.20
53	54	-7.28	9.38	-8.58e-05	0.0	0.0	-101.34	7.41	-116.51	-4.39e-04	9.38	-7.65
		-7.65	2.65	-1.53e-04	0.0	5.0	-101.34	7.41	-116.51	-4.39e-04	2.65	-7.28
53	55	-4.17	2.15	-7.81e-05	0.0	0.0	-69.13	4.69	-142.05	6.47e-06	2.15	-4.41
		-4.41	-5.75	-1.53e-04	0.0	5.0	-69.13	4.69	-142.05	6.47e-06	-5.75	-4.17
53	57	-2.19	0.71	-6.49e-05	0.0	0.0	-61.08	4.93	-125.96	3.16e-04	0.71	-2.44
		-2.44	-4.68	-1.51e-04	0.0	5.0	-61.08	4.93	-125.96	3.16e-04	-4.68	-2.19
53	66	-7.01	7.24	-8.92e-05	0.0	0.0	-92.30	6.17	-135.05	-4.16e-04	7.24	-7.33
		-7.33	-1.40	-1.54e-04	0.0	5.0	-92.30	6.17	-135.05	-4.16e-04	-1.40	-7.01
53	69	-2.46	2.86	-6.15e-05	0.0	0.0	-70.12	6.17	-107.41	2.92e-04	2.86	-2.77
		-2.77	-0.63	-1.51e-04	0.0	5.0	-70.12	6.17	-107.41	2.92e-04	-0.63	-2.46
53	86	-6.32	7.83	-8.16e-05	0.0	0.0	-93.94	6.98	-117.73	-2.98e-04	7.83	-6.66
		-6.66	1.35	-1.53e-04	0.0	5.0	-93.94	6.98	-117.73	-2.98e-04	1.35	-6.32
53	87	-4.35	3.16	-7.70e-05	0.0	0.0	-73.28	5.21	-134.55	-1.19e-05	3.16	-4.61
		-4.61	-4.10	-1.52e-04	0.0	5.0	-73.28	5.21	-134.55	-1.19e-05	-4.10	-4.35
53	89	-3.16	2.27	-6.91e-05	0.0	0.0	-68.49	5.37	-124.74	1.75e-04	2.27	-3.43
		-3.43	-3.37	-1.52e-04	0.0	5.0	-68.49	5.37	-124.74	1.75e-04	-3.37	-3.16
54	7	-1.48	0.43	-2.03e-06	0.0	0.0	-30.61	-0.84	-10.48	1.41e-06	0.43	-1.48
		-1.52	-0.09	-2.15e-05	0.0	5.0	-30.61	-0.84	-10.48	1.41e-06	-0.09	-1.52
54	12	-0.68	3.38	5.01e-06	0.0	0.0	-98.50	1.36	-39.68	1.40e-06	3.38	-0.74
		-0.74	1.40	-5.70e-05	0.0	5.0	-98.50	1.36	-39.68	1.40e-06	1.40	-0.68
54	13	-1.21	4.62	4.26e-06	0.0	0.0	-109.20	1.01	-65.29	-1.32e-04	4.62	-1.26
		-1.26	1.36	-6.45e-05	0.0	5.0	-109.20	1.01	-65.29	-1.32e-04	1.36	-1.21
54	15	-18.75	-1.14	-7.02e-05	0.0	0.0	-125.85	-6.39	-25.90	-8.83e-05	-1.14	-18.75
		-19.07	-2.43	-3.52e-05	0.0	5.0	-125.85	-6.39	-25.90	-8.83e-05	-2.43	-19.07
54	18	-0.96	3.13	2.64e-06	0.0	0.0	-75.86	0.59	-44.57	-8.77e-05	3.13	-0.99
		-0.99	0.90	-4.51e-05	0.0	5.0	-75.86	0.59	-44.57	-8.77e-05	0.90	-0.96
54	19	-0.96	2.40	2.66e-06	0.0	0.0	-75.87	0.63	-29.95	1.40e-06	2.40	-0.99
		-0.99	0.90	-4.52e-05	0.0	5.0	-75.87	0.63	-29.95	1.40e-06	0.90	-0.96
54	20	-1.48	0.43	-2.03e-06	0.0	0.0	-30.61	-0.84	-10.48	1.41e-06	0.43	-1.48
		-1.52	-0.09	-2.15e-05	0.0	5.0	-30.61	-0.84	-10.48	1.41e-06	-0.09	-1.52
54	21	-1.35	0.87	-1.34e-06	0.0	0.0	-40.54	0.18	-11.67	0.0	0.87	-1.36
		-1.36	0.29	-2.91e-05	0.0	5.0	-40.54	0.18	-11.67	0.0	0.29	-1.35
54	22	-0.96	3.13	2.64e-06	0.0	0.0	-75.86	0.59	-44.57	-8.77e-05	3.13	-0.99
		-0.99	0.90	-4.51e-05	0.0	5.0	-75.86	0.59	-44.57	-8.77e-05	0.90	-0.96
54	27	-0.96	2.40	2.66e-06	0.0	0.0	-75.87	0.63	-29.95	1.40e-06	2.40	-0.99
		-0.99	0.90	-4.52e-05	0.0	5.0	-75.87	0.63	-29.95	1.40e-06	0.90	-0.96
54	28	-1.21	3.54	4.30e-06	0.0	0.0	-109.21	1.07	-43.35	1.89e-06	3.54	-1.26
		-1.26	1.37	-6.45e-05	0.0	5.0	-109.21	1.07	-43.35	1.89e-06	1.37	-1.21
54	29	-0.96	2.40	2.66e-06	0.0	0.0	-75.87	0.63	-29.95	1.40e-06	2.40	-0.99
		-0.99	0.90	-4.52e-05	0.0	5.0	-75.87	0.63	-29.95	1.40e-06	0.90	-0.96
54	30	-21.43	5.47	-1.01e-04	0.0	0.0	-155.94	-11.27	-47.29	-6.85e-04	5.47	-21.43
		-21.99	3.36	-5.32e-05	0.0	5.0	-155.94	-11.27	-47.29	-6.85e-04	3.36	-21.99

54	33	-12.58	-4.19	-5.83e-05	0.0	0.0	-146.15	-7.16	-47.88	5.52e-04	-4.19	-12.58
		-12.94	-6.84	-5.46e-05	0.0	5.0	-146.15	-7.16	-47.88	5.52e-04	-6.84	-12.94
54	38	-21.67	3.10	-1.01e-04	0.0	0.0	-156.18	-12.09	-53.46	-2.99e-04	3.10	-21.67
		-22.27	0.44	-5.38e-05	0.0	5.0	-156.18	-12.09	-53.46	-2.99e-04	0.44	-22.27
54	39	-21.01	1.54	-9.78e-05	0.0	0.0	-157.39	-11.66	-64.33	-1.00e-04	1.54	-21.01
		-21.59	-1.63	-5.49e-05	0.0	5.0	-157.39	-11.66	-64.33	-1.00e-04	-1.63	-21.59
54	40	-13.00	-0.26	-6.12e-05	0.0	0.0	-144.70	-6.77	-30.84	-3.17e-05	-0.26	-13.00
		-13.34	-1.85	-5.30e-05	0.0	5.0	-144.70	-6.77	-30.84	-3.17e-05	-1.85	-13.34
54	41	-12.34	-1.82	-5.82e-05	0.0	0.0	-145.91	-6.34	-41.71	1.66e-04	-1.82	-12.34
		-12.66	-3.92	-5.41e-05	0.0	5.0	-145.91	-6.34	-41.71	1.66e-04	-3.92	-12.66
54	65	-14.31	-2.30	-6.66e-05	0.0	0.0	-148.10	-7.97	-47.63	3.10e-04	-2.30	-14.31
		-14.72	-4.86	-5.44e-05	0.0	5.0	-148.10	-7.97	-47.63	3.10e-04	-4.86	-14.72
54	66	-19.62	3.58	-9.20e-05	0.0	0.0	-154.08	-10.43	-48.16	-4.22e-04	3.58	-19.62
		-20.14	1.36	-5.35e-05	0.0	5.0	-154.08	-10.43	-48.16	-4.22e-04	1.36	-20.14
54	70	-19.95	2.18	-9.29e-05	0.0	0.0	-154.28	-11.03	-51.29	-2.12e-04	2.18	-19.95
		-20.50	-0.37	-5.38e-05	0.0	5.0	-154.28	-11.03	-51.29	-2.12e-04	-0.37	-20.50
54	71	-19.53	1.20	-9.10e-05	0.0	0.0	-155.07	-10.76	-58.28	-8.64e-05	1.20	-19.53
		-20.07	-1.68	-5.45e-05	0.0	5.0	-155.07	-10.76	-58.28	-8.64e-05	-1.68	-20.07
54	72	-14.48	0.08	-6.80e-05	0.0	0.0	-147.02	-7.67	-36.89	-4.57e-05	0.08	-14.48
		-14.86	-1.79	-5.34e-05	0.0	5.0	-147.02	-7.67	-36.89	-4.57e-05	-1.79	-14.86
54	73	-14.06	-0.90	-6.61e-05	0.0	0.0	-147.82	-7.41	-43.88	7.98e-05	-0.90	-14.06
		-14.43	-3.11	-5.41e-05	0.0	5.0	-147.82	-7.41	-43.88	7.98e-05	-3.11	-14.43
55	3	1.80	1.91	1.06e-05	0.0	0.0	-95.46	1.14	-39.22	0.0	1.91	1.74
		1.74	-0.06	-5.63e-05	0.0	5.0	-95.46	1.14	-39.22	0.0	-0.06	1.80
55	8	0.65	0.08	4.64e-06	0.0	0.0	-23.43	0.67	-5.81	0.0	0.08	0.61
		0.61	-0.21	-2.24e-05	0.0	5.0	-23.43	0.67	-5.81	0.0	-0.21	0.65
55	13	1.44	2.73	6.15e-06	0.0	0.0	-122.54	1.05	-61.69	-6.34e-05	2.73	1.39
		1.39	-0.35	-6.49e-05	0.0	5.0	-122.54	1.05	-61.69	-6.34e-05	-0.35	1.44
55	15	-0.52	-0.37	-4.45e-05	0.0	0.0	-76.40	3.24	-25.79	-4.54e-05	-0.37	-0.68
		-0.68	-1.65	-3.21e-05	0.0	5.0	-76.40	3.24	-25.79	-4.54e-05	-1.65	-0.52
55	18	1.00	1.86	4.21e-06	0.0	0.0	-84.08	0.72	-42.30	-4.22e-05	1.86	0.97
		0.97	-0.26	-4.54e-05	0.0	5.0	-84.08	0.72	-42.30	-4.22e-05	-0.26	1.00
55	19	1.01	1.20	4.24e-06	0.0	0.0	-84.07	1.01	-29.11	0.0	1.20	0.96
		0.96	-0.25	-4.55e-05	0.0	5.0	-84.07	1.01	-29.11	0.0	-0.25	1.01
55	20	0.41	0.36	1.14e-06	0.0	0.0	-23.79	0.27	-11.67	0.0	0.36	0.40
		0.40	-0.23	-2.19e-05	0.0	5.0	-23.79	0.27	-11.67	0.0	-0.23	0.41
55	21	0.34	0.07	0.0	0.0	0.0	-41.61	0.76	-9.56	0.0	0.07	0.30
		0.30	-0.41	-2.80e-05	0.0	5.0	-41.61	0.76	-9.56	0.0	-0.41	0.34
55	22	1.00	1.86	4.21e-06	0.0	0.0	-84.08	0.72	-42.30	-4.22e-05	1.86	0.97
		0.97	-0.26	-4.54e-05	0.0	5.0	-84.08	0.72	-42.30	-4.22e-05	-0.26	1.00
55	27	1.01	1.20	4.24e-06	0.0	0.0	-84.07	1.01	-29.11	0.0	1.20	0.96
		0.96	-0.25	-4.55e-05	0.0	5.0	-84.07	1.01	-29.11	0.0	-0.25	1.01
55	28	1.45	1.75	6.18e-06	0.0	0.0	-122.54	1.48	-41.91	0.0	1.75	1.38
		1.38	-0.35	-6.49e-05	0.0	5.0	-122.54	1.48	-41.91	0.0	-0.35	1.45
55	29	1.01	1.20	4.24e-06	0.0	0.0	-84.07	1.01	-29.11	0.0	1.20	0.96
		0.96	-0.25	-4.55e-05	0.0	5.0	-84.07	1.01	-29.11	0.0	-0.25	1.01
55	39	0.43	-4.80	-5.55e-05	0.0	0.0	-87.86	6.52	-65.65	-5.38e-05	-4.80	0.11
		0.11	-8.05	-5.13e-05	0.0	5.0	-87.86	6.52	-65.65	-5.38e-05	-8.05	0.43
55	40	-1.32	5.68	-3.79e-05	0.0	0.0	-123.02	1.28	-38.79	-1.92e-05	5.68	-1.39
		-1.39	3.70	-5.05e-05	0.0	5.0	-123.02	1.28	-38.79	-1.92e-05	3.70	-1.32
55	43	0.45	-4.68	-5.58e-05	0.0	0.0	-88.17	6.39	-65.56	-6.93e-05	-4.68	0.13
		0.13	-7.94	-5.12e-05	0.0	5.0	-88.17	6.39	-65.56	-6.93e-05	-7.94	0.45
55	44	-1.35	5.56	-3.77e-05	0.0	0.0	-122.71	1.42	-38.88	-3.76e-06	5.56	-1.42
		-1.42	3.59	-5.06e-05	0.0	5.0	-122.71	1.42	-38.88	-3.76e-06	3.59	-1.35
55	71	0.11	-2.89	-5.23e-05	0.0	0.0	-94.30	5.57	-60.84	-4.68e-05	-2.89	-0.17
		-0.17	-5.91	-5.11e-05	0.0	5.0	-94.30	5.57	-60.84	-4.68e-05	-5.91	0.11
55	72	-1.00	3.77	-4.12e-05	0.0	0.0	-116.58	2.24	-43.60	-2.62e-05	3.77	-1.12
		-1.12	1.56	-5.07e-05	0.0	5.0	-116.58	2.24	-43.60	-2.62e-05	1.56	-1.00
55	75	0.13	-2.81	-5.25e-05	0.0	0.0	-94.50	5.49	-60.82	-5.63e-05	-2.81	-0.15
		-0.15	-5.84	-5.10e-05	0.0	5.0	-94.50	5.49	-60.82	-5.63e-05	-5.84	0.13
55	76	-1.02	3.69	-4.10e-05	0.0	0.0	-116.38	2.32	-43.63	-1.67e-05	3.69	-1.13
		-1.13	1.49	-5.07e-05	0.0	5.0	-116.38	2.32	-43.63	-1.67e-05	1.49	-1.02
56	3	1.13	3.11	8.40e-06	0.0	0.0	-30.62	-0.88	-59.60	2.27e-06	3.11	1.13
		1.09	0.13	-1.05e-04	0.0	5.0	-30.62	-0.88	-59.60	2.27e-06	0.13	1.09
56	10	-0.07	1.24	-2.88e-06	0.0	0.0	-48.20	-0.40	-28.10	0.0	1.24	-0.07
		-0.09	-0.16	-5.91e-05	0.0	5.0	-48.20	-0.40	-28.10	0.0	-0.16	-0.09
56	13	0.92	4.19	4.76e-06	0.0	0.0	-55.06	-0.76	-85.78	-6.19e-05	4.19	0.92
		0.88	-0.10	-1.22e-04	0.0	5.0	-55.06	-0.76	-85.78	-6.19e-05	-0.10	0.88
56	14	0.61	2.68	1.32e-06	0.0	0.0	-57.75	-0.36	-50.02	-6.30e-05	2.68	0.61
		0.59	0.18	-8.19e-05	0.0	5.0	-57.75	-0.36	-50.02	-6.30e-05	0.18	0.59
56	15	-2.95	3.10	-3.76e-05	0.0	0.0	-2.35	-0.63	-36.38	-4.26e-05	3.10	-2.95
		-2.98	1.28	-6.13e-05	0.0	5.0	-2.35	-0.63	-36.38	-4.26e-05	1.28	-2.98
56	18	0.63	2.90	3.24e-06	0.0	0.0	-39.09	-0.53	-59.25	-4.12e-05	2.90	0.63
		0.60	-0.06	-8.59e-05	0.0	5.0	-39.09	-0.53	-59.25	-4.12e-05	-0.06	0.60
56	19	0.63	2.27	3.27e-06	0.0	0.0	-39.06	-0.70	-46.76	1.58e-06	2.27	0.63
		0.60	-0.07	-8.59e-05	0.0	5.0	-39.06	-0.70	-46.76	1.58e-06	-0.07	0.60
56	20	0.13	1.12	0.0	0.0	0.0	-23.79	-0.27	-20.66	0.0	1.12	0.13



		0.12	0.09	-4.19e-05	0.0	5.0	-23.79	-0.27	-20.66	0.0	0.09	0.12
56	21	0.42	1.26	0.0	0.0	0.0	-40.85	-0.43	-22.92	0.0	1.26	0.42
		0.40	0.11	-5.88e-05	0.0	5.0	-40.85	-0.43	-22.92	0.0	0.11	0.40
56	22	0.63	2.90	3.24e-06	0.0	0.0	-39.09	-0.53	-59.25	-4.12e-05	2.90	0.63
		0.60	-0.06	-8.59e-05	0.0	5.0	-39.09	-0.53	-59.25	-4.12e-05	-0.06	0.60
56	27	0.63	2.27	3.27e-06	0.0	0.0	-39.06	-0.70	-46.76	1.58e-06	2.27	0.63
		0.60	-0.07	-8.59e-05	0.0	5.0	-39.06	-0.70	-46.76	1.58e-06	-0.07	0.60
56	28	0.93	3.23	4.80e-06	0.0	0.0	-55.02	-1.01	-67.04	2.26e-06	3.23	0.93
		0.88	-0.12	-1.23e-04	0.0	5.0	-55.02	-1.01	-67.04	2.26e-06	-0.12	0.88
56	29	0.63	2.27	3.27e-06	0.0	0.0	-39.06	-0.70	-46.76	1.58e-06	2.27	0.63
		0.60	-0.07	-8.59e-05	0.0	5.0	-39.06	-0.70	-46.76	1.58e-06	-0.07	0.60
56	34	-4.30	2.42	-4.45e-05	0.0	0.0	-5.24	-2.57	-78.55	-3.13e-04	2.42	-4.30
		-4.42	-1.51	-9.99e-05	0.0	5.0	-5.24	-2.57	-78.55	-3.13e-04	-1.51	-4.42
56	37	-1.61	6.40	-3.16e-05	0.0	0.0	-13.52	-0.09	-67.41	2.47e-04	6.40	-1.61
		-1.62	3.03	-9.85e-05	0.0	5.0	-13.52	-0.09	-67.41	2.47e-04	3.03	-1.62
56	39	-3.51	1.38	-4.49e-05	0.0	0.0	-0.14	-3.06	-82.78	-4.88e-05	1.38	-3.51
		-3.66	-2.76	-9.96e-05	0.0	5.0	-0.14	-3.06	-82.78	-4.88e-05	-2.76	-3.66
56	40	-2.38	7.44	-3.13e-05	0.0	0.0	-18.62	0.40	-63.18	-1.80e-05	7.44	-2.40
		-2.40	4.28	-9.88e-05	0.0	5.0	-18.62	0.40	-63.18	-1.80e-05	4.28	-2.38
56	43	-3.46	1.48	-4.50e-05	0.0	0.0	-0.03	-3.01	-82.99	-6.43e-05	1.48	-3.46
		-3.60	-2.67	-9.95e-05	0.0	5.0	-0.03	-3.01	-82.99	-6.43e-05	-2.67	-3.60
56	44	-2.44	7.34	-3.11e-05	0.0	0.0	-18.73	0.35	-62.97	-2.52e-06	7.34	-2.45
		-2.45	4.19	-9.89e-05	0.0	5.0	-18.73	0.35	-62.97	-2.52e-06	4.19	-2.44
56	66	-3.76	3.21	-4.19e-05	0.0	0.0	-6.85	-2.08	-76.32	-2.04e-04	3.21	-3.76
		-3.87	-0.61	-9.95e-05	0.0	5.0	-6.85	-2.08	-76.32	-2.04e-04	-0.61	-3.87
56	69	-2.14	5.61	-3.42e-05	0.0	0.0	-11.91	-0.58	-69.64	1.37e-04	5.61	-2.14
		-2.17	2.13	-9.89e-05	0.0	5.0	-11.91	-0.58	-69.64	1.37e-04	2.13	-2.17
56	71	-3.30	2.48	-4.23e-05	0.0	0.0	-3.50	-2.43	-79.22	-4.25e-05	2.48	-3.30
		-3.42	-1.48	-9.94e-05	0.0	5.0	-3.50	-2.43	-79.22	-4.25e-05	-1.48	-3.42
56	72	-2.60	6.34	-3.38e-05	0.0	0.0	-15.26	-0.23	-66.74	-2.43e-05	6.34	-2.60
		-2.62	3.00	-9.90e-05	0.0	5.0	-15.26	-0.23	-66.74	-2.43e-05	3.00	-2.62
56	75	-3.27	2.55	-4.25e-05	0.0	0.0	-3.43	-2.40	-79.36	-5.21e-05	2.55	-3.27
		-3.38	-1.42	-9.93e-05	0.0	5.0	-3.43	-2.40	-79.36	-5.21e-05	-1.42	-3.38
56	76	-2.64	6.27	-3.37e-05	0.0	0.0	-15.33	-0.26	-66.60	-1.48e-05	6.27	-2.64
		-2.66	2.94	-9.91e-05	0.0	5.0	-15.33	-0.26	-66.60	-1.48e-05	2.94	-2.66
57	2	1.40	2.66	4.18e-06	0.0	0.0	-76.95	-0.28	-42.36	1.97e-06	2.66	1.40
		1.38	0.55	-9.58e-05	0.0	5.0	-76.95	-0.28	-42.36	1.97e-06	0.55	1.38
57	13	0.59	5.76	2.67e-06	0.0	0.0	-53.95	-0.62	-101.51	-6.09e-05	5.76	0.59
		0.56	0.68	-1.68e-04	0.0	5.0	-53.95	-0.62	-101.51	-6.09e-05	0.68	0.56
57	15	-3.06	1.97	-2.79e-05	0.0	0.0	-10.33	-1.79	-44.92	-4.15e-05	1.97	-3.06
		-3.15	-0.28	-8.32e-05	0.0	5.0	-10.33	-1.79	-44.92	-4.15e-05	-0.28	-3.15
57	18	0.40	4.00	1.80e-06	0.0	0.0	-38.35	-0.44	-70.59	-4.05e-05	4.00	0.40
		0.38	0.47	-1.18e-04	0.0	5.0	-38.35	-0.44	-70.59	-4.05e-05	0.47	0.38
57	19	0.40	3.57	1.82e-06	0.0	0.0	-38.69	-0.49	-60.31	2.32e-06	3.57	0.40
		0.38	0.56	-1.18e-04	0.0	5.0	-38.69	-0.49	-60.31	2.32e-06	0.56	0.38
57	20	0.07	1.59	0.0	0.0	0.0	-23.77	-0.29	-29.21	1.10e-06	1.59	0.07
		0.05	0.12	-5.82e-05	0.0	5.0	-23.77	-0.29	-29.21	1.10e-06	0.12	0.05
57	21	0.88	2.50	1.06e-06	0.0	0.0	-69.57	-0.31	-39.67	1.47e-06	2.50	0.88
		0.86	0.52	-8.60e-05	0.0	5.0	-69.57	-0.31	-39.67	1.47e-06	0.52	0.86
57	22	0.40	4.00	1.80e-06	0.0	0.0	-38.35	-0.44	-70.59	-4.05e-05	4.00	0.40
		0.38	0.47	-1.18e-04	0.0	5.0	-38.35	-0.44	-70.59	-4.05e-05	0.47	0.38
57	25	1.30	3.47	1.54e-06	0.0	0.0	-100.80	-0.33	-54.09	1.61e-06	3.47	1.30
		1.29	0.76	-1.20e-04	0.0	5.0	-100.80	-0.33	-54.09	1.61e-06	0.76	1.29
57	28	0.60	5.12	2.70e-06	0.0	0.0	-54.47	-0.70	-86.08	3.32e-06	5.12	0.60
		0.56	0.82	-1.68e-04	0.0	5.0	-54.47	-0.70	-86.08	3.32e-06	0.82	0.56
57	29	0.40	3.57	1.82e-06	0.0	0.0	-38.69	-0.49	-60.31	2.32e-06	3.57	0.40
		0.38	0.56	-1.18e-04	0.0	5.0	-38.69	-0.49	-60.31	2.32e-06	0.56	0.38
57	31	-2.73	0.01	-2.94e-05	0.0	0.0	-19.94	-4.75	-96.51	-2.31e-04	0.01	-2.73
		-2.97	-5.05	-1.37e-04	0.0	5.0	-19.94	-4.75	-96.51	-2.31e-04	-5.05	-2.97
57	32	-0.87	4.80	-2.38e-05	0.0	0.0	-36.25	-0.35	-72.80	1.68e-04	4.80	-0.87
		-0.89	1.39	-1.36e-04	0.0	5.0	-36.25	-0.35	-72.80	1.68e-04	1.39	-0.89
57	34	-3.09	-0.39	-2.98e-05	0.0	0.0	-20.93	-5.05	-89.83	-3.11e-04	-0.39	-3.09
		-3.33	-4.95	-1.37e-04	0.0	5.0	-20.93	-5.05	-89.83	-3.11e-04	-4.95	-3.33
57	37	-0.52	5.20	-2.34e-05	0.0	0.0	-35.27	-0.05	-79.49	2.48e-04	5.20	-0.52
		-0.52	1.29	-1.36e-04	0.0	5.0	-35.27	-0.05	-79.49	2.48e-04	1.29	-0.52
57	63	-2.36	0.97	-2.83e-05	0.0	0.0	-23.13	-3.87	-92.11	-1.51e-04	0.97	-2.36
		-2.55	-3.78	-1.37e-04	0.0	5.0	-23.13	-3.87	-92.11	-1.51e-04	-3.78	-2.55
57	64	-1.25	3.84	-2.49e-05	0.0	0.0	-33.06	-1.23	-77.20	8.74e-05	3.84	-1.25
		-1.31	0.13	-1.36e-04	0.0	5.0	-33.06	-1.23	-77.20	8.74e-05	0.13	-1.31
57	66	-2.58	0.72	-2.85e-05	0.0	0.0	-23.78	-4.06	-87.76	-2.01e-04	0.72	-2.58
		-2.78	-3.71	-1.37e-04	0.0	5.0	-23.78	-4.06	-87.76	-2.01e-04	-3.71	-2.78
57	69	-1.03	4.09	-2.47e-05	0.0	0.0	-32.42	-1.04	-81.55	1.38e-04	4.09	-1.03
		-1.08	0.06	-1.36e-04	0.0	5.0	-32.42	-1.04	-81.55	1.38e-04	0.06	-1.08
58	6	1.37	5.52	0.0	0.0	0.0	-52.92	-0.34	-102.26	4.31e-06	5.52	1.37
		1.35	0.40	-1.97e-04	0.0	5.0	-52.92	-0.34	-102.26	4.31e-06	0.40	1.35
58	7	0.62	1.65	0.0	0.0	0.0	-22.75	-0.04	-35.32	1.47e-06	1.65	0.62
		0.62	-0.11	-6.92e-05	0.0	5.0	-22.75	-0.04	-35.32	1.47e-06	-0.11	0.62

58	14	2.36	4.64	0.0	0.0	0.0	-263.41	0.24	-92.46	-6.05e-05	4.64	2.35
		2.35	0.02	-1.50e-04	0.0	5.0	-263.41	0.24	-92.46	-6.05e-05	0.02	2.36
58	15	1.16	2.29	-1.54e-05	0.0	0.0	-2.23	1.40	-52.78	-3.97e-05	2.29	1.09
		1.09	-0.35	-9.72e-05	0.0	5.0	-2.23	1.40	-52.78	-3.97e-05	-0.35	1.16
58	19	0.98	3.84	0.0	0.0	0.0	-37.56	-0.23	-71.70	3.02e-06	3.84	0.98
		0.96	0.26	-1.38e-04	0.0	5.0	-37.56	-0.23	-71.70	3.02e-06	0.26	0.96
58	20	0.62	1.65	0.0	0.0	0.0	-22.75	-0.04	-35.32	1.47e-06	1.65	0.62
		0.62	-0.11	-6.92e-05	0.0	5.0	-22.75	-0.04	-35.32	1.47e-06	-0.11	0.62
58	21	1.61	3.30	0.0	0.0	0.0	-176.65	-0.04	-64.12	2.27e-06	3.30	1.61
		1.61	0.09	-1.07e-04	0.0	5.0	-176.65	-0.04	-64.12	2.27e-06	0.09	1.61
58	22	1.00	3.81	0.0	0.0	0.0	-38.79	-0.04	-72.76	-3.94e-05	3.81	1.00
		0.99	0.17	-1.38e-04	0.0	5.0	-38.79	-0.04	-72.76	-3.94e-05	0.17	0.99
58	27	0.98	3.84	0.0	0.0	0.0	-37.56	-0.23	-71.70	3.02e-06	3.84	0.98
		0.96	0.26	-1.38e-04	0.0	5.0	-37.56	-0.23	-71.70	3.02e-06	0.26	0.96
58	28	1.37	5.52	0.0	0.0	0.0	-52.92	-0.34	-102.26	4.31e-06	5.52	1.37
		1.35	0.40	-1.97e-04	0.0	5.0	-52.92	-0.34	-102.26	4.31e-06	0.40	1.35
58	29	0.98	3.84	0.0	0.0	0.0	-37.56	-0.23	-71.70	3.02e-06	3.84	0.98
		0.96	0.26	-1.38e-04	0.0	5.0	-37.56	-0.23	-71.70	3.02e-06	0.26	0.96
58	30	13.41	11.90	-1.23e-05	0.0	0.0	-63.05	9.51	-84.96	-3.17e-04	11.90	12.93
		12.93	7.94	-1.62e-04	0.0	5.0	-63.05	9.51	-84.96	-3.17e-04	7.94	13.41
58	31	12.36	8.94	-1.25e-05	0.0	0.0	-58.30	8.80	-98.69	-2.23e-04	8.94	11.92
		11.92	4.33	-1.62e-04	0.0	5.0	-58.30	8.80	-98.69	-2.23e-04	4.33	12.36
58	32	-0.29	-2.72	-1.43e-05	0.0	0.0	-126.14	-0.79	-72.65	1.68e-04	-2.72	-0.29
		-0.33	-6.68	-1.61e-04	0.0	5.0	-126.14	-0.79	-72.65	1.68e-04	-6.68	-0.33
58	33	-1.30	-5.68	-1.45e-05	0.0	0.0	-121.39	-1.50	-86.38	2.62e-04	-5.68	-1.30
		-1.38	-10.29	-1.61e-04	0.0	5.0	-121.39	-1.50	-86.38	2.62e-04	-10.29	-1.38
58	62	10.48	8.41	-1.27e-05	0.0	0.0	-74.67	7.34	-85.29	-2.03e-04	8.41	10.12
		10.12	4.33	-1.62e-04	0.0	5.0	-74.67	7.34	-85.29	-2.03e-04	4.33	10.48
58	63	9.83	6.56	-1.28e-05	0.0	0.0	-71.56	6.89	-94.10	-1.44e-04	6.56	9.49
		9.49	2.06	-1.62e-04	0.0	5.0	-71.56	6.89	-94.10	-1.44e-04	2.06	9.83
58	64	2.20	-0.34	-1.39e-05	0.0	0.0	-112.88	1.12	-77.24	8.91e-05	-0.34	2.14
		2.14	-4.41	-1.61e-04	0.0	5.0	-112.88	1.12	-77.24	8.91e-05	-4.41	2.20
58	65	1.55	-2.19	-1.41e-05	0.0	0.0	-109.77	0.67	-86.04	1.49e-04	-2.19	1.51
		1.51	-6.68	-1.61e-04	0.0	5.0	-109.77	0.67	-86.04	1.49e-04	-6.68	1.55
58	69	1.62	-2.18	-1.40e-05	0.0	0.0	-110.19	0.74	-86.19	1.39e-04	-2.18	1.58
		1.58	-6.68	-1.61e-04	0.0	5.0	-110.19	0.74	-86.19	1.39e-04	-6.68	1.62
59	9	0.07	4.06	0.0	0.0	0.0	-20.15	-0.71	-65.85	1.46e-06	4.06	0.07
		0.03	0.77	-1.46e-04	0.0	5.0	-20.15	-0.71	-65.85	1.46e-06	0.77	0.03
59	14	-2.74	4.91	-5.98e-06	0.0	0.0	-293.24	-0.82	-70.10	4.96e-05	4.91	-2.74
		-2.78	1.40	-1.49e-04	0.0	5.0	-293.24	-0.82	-70.10	4.96e-05	1.40	-2.78
59	15	-0.30	0.84	-1.44e-05	0.0	0.0	-32.77	0.99	-19.70	-2.79e-05	0.84	-0.35
		-0.35	-0.14	-8.31e-05	0.0	5.0	-32.77	0.99	-19.70	-2.79e-05	-0.14	-0.30
59	18	-0.26	3.38	-1.96e-06	0.0	0.0	-35.87	-0.37	-56.02	-2.88e-05	3.38	-0.26
		-0.28	0.58	-1.39e-04	0.0	5.0	-35.87	-0.37	-56.02	-2.88e-05	0.58	-0.28
59	19	-0.25	3.87	-1.94e-06	0.0	0.0	-34.57	-0.60	-63.63	1.33e-05	3.87	-0.25
		-0.28	0.68	-1.39e-04	0.0	5.0	-34.57	-0.60	-63.63	1.33e-05	0.68	-0.28
59	20	-0.12	1.87	0.0	0.0	0.0	-24.07	-0.35	-32.30	6.80e-06	1.87	-0.12
		-0.14	0.25	-6.97e-05	0.0	5.0	-24.07	-0.35	-32.30	6.80e-06	0.25	-0.14
59	21	-1.83	3.94	-4.00e-06	0.0	0.0	-196.60	-0.81	-57.58	7.59e-05	3.94	-1.83
		-1.87	1.06	-1.07e-04	0.0	5.0	-196.60	-0.81	-57.58	7.59e-05	1.06	-1.87
59	22	-0.26	3.38	-1.96e-06	0.0	0.0	-35.87	-0.37	-56.02	-2.88e-05	3.38	-0.26
		-0.28	0.58	-1.39e-04	0.0	5.0	-35.87	-0.37	-56.02	-2.88e-05	0.58	-0.28
59	25	-2.72	5.75	-5.96e-06	0.0	0.0	-291.25	-1.42	-83.81	1.13e-04	5.75	-2.72
		-2.79	1.56	-1.49e-04	0.0	5.0	-291.25	-1.42	-83.81	1.13e-04	1.56	-2.79
59	27	-0.25	3.87	-1.94e-06	0.0	0.0	-34.57	-0.60	-63.63	1.33e-05	3.87	-0.25
		-0.28	0.68	-1.39e-04	0.0	5.0	-34.57	-0.60	-63.63	1.33e-05	0.68	-0.28
59	28	-0.36	5.52	-2.87e-06	0.0	0.0	-48.25	-0.85	-90.60	1.90e-05	5.52	-0.36
		-0.40	0.99	-1.98e-04	0.0	5.0	-48.25	-0.85	-90.60	1.90e-05	0.99	-0.40
59	29	-0.25	3.87	-1.94e-06	0.0	0.0	-34.57	-0.60	-63.63	1.33e-05	3.87	-0.25
		-0.28	0.68	-1.39e-04	0.0	5.0	-34.57	-0.60	-63.63	1.33e-05	0.68	-0.28
59	30	-3.32	5.67	-2.03e-05	0.0	0.0	-187.50	4.91	-25.29	-1.84e-04	5.67	-3.57
		-3.57	4.40	-1.48e-04	0.0	5.0	-187.50	4.91	-25.29	-1.84e-04	4.40	-3.32
59	33	0.73	0.10	-1.46e-05	0.0	0.0	-153.25	-1.17	-65.15	2.33e-04	0.10	0.73
		0.67	-3.15	-1.47e-04	0.0	5.0	-153.25	-1.17	-65.15	2.33e-04	-3.15	0.67
59	34	-3.32	5.72	-2.02e-05	0.0	0.0	-187.84	4.85	-24.24	-1.69e-04	5.72	-3.56
		-3.56	4.51	-1.48e-04	0.0	5.0	-187.84	4.85	-24.24	-1.69e-04	4.51	-3.32
59	37	0.72	0.05	-1.46e-05	0.0	0.0	-152.91	-1.10	-66.20	2.18e-04	0.05	0.72
		0.67	-3.26	-1.47e-04	0.0	5.0	-152.91	-1.10	-66.20	2.18e-04	-3.26	0.67
59	54	-2.57	6.49	-1.87e-05	0.0	0.0	-183.56	3.15	-18.08	-1.04e-04	6.49	-2.72
		-2.72	5.59	-1.48e-04	0.0	5.0	-183.56	3.15	-18.08	-1.04e-04	5.59	-2.57
59	57	-0.09	-0.72	-1.61e-05	0.0	0.0	-157.18	0.60	-72.36	1.53e-04	-0.72	-0.12
		-0.12	-4.34	-1.47e-04	0.0	5.0	-157.18	0.60	-72.36	1.53e-04	-4.34	-0.09
59	62	-2.54	4.57	-1.91e-05	0.0	0.0	-180.65	3.71	-33.13	-1.02e-04	4.57	-2.72
		-2.72	2.92	-1.47e-04	0.0	5.0	-180.65	3.71	-33.13	-1.02e-04	2.92	-2.54
59	65	-0.11	1.20	-1.57e-05	0.0	0.0	-160.09	0.04	-57.31	1.52e-04	1.20	-0.12
		-0.12	-1.67	-1.47e-04	0.0	5.0	-160.09	0.04	-57.31	1.52e-04	-1.67	-0.11
59	66	-2.54	4.61	-1.91e-05	0.0	0.0	-180.91	3.67	-32.39	-9.29e-05	4.61	-2.72

		-2.72	2.99	-1.47e-04	0.0	5.0	-180.91	3.67	-32.39	-9.29e-05	2.99	-2.54
59	69	-0.12	1.16	-1.57e-05	0.0	0.0	-159.84	0.08	-58.05	1.42e-04	1.16	-0.12
		-0.12	-1.74	-1.47e-04	0.0	5.0	-159.84	0.08	-58.05	1.42e-04	-1.74	-0.12
59	86	-2.10	5.17	-1.82e-05	0.0	0.0	-178.58	2.65	-27.98	-5.59e-05	5.17	-2.22
		-2.22	3.78	-1.48e-04	0.0	5.0	-178.58	2.65	-27.98	-5.59e-05	3.78	-2.10
59	89	-0.56	0.60	-1.66e-05	0.0	0.0	-162.17	1.09	-62.45	1.05e-04	0.60	-0.62
		-0.62	-2.52	-1.47e-04	0.0	5.0	-162.17	1.09	-62.45	1.05e-04	-2.52	-0.56
60	3	0.76	3.96	2.92e-06	0.0	0.0	-28.63	-0.26	-65.83	2.74e-06	3.96	0.76
		0.75	0.67	-1.46e-04	0.0	5.0	-28.63	-0.26	-65.83	2.74e-06	0.67	0.75
60	8	-0.84	-1.07	-1.17e-06	0.0	0.0	-77.17	-5.66e-03	-25.85	1.64e-06	-1.07	-0.84
		-0.84	-2.36	-7.61e-05	0.0	5.0	-77.17	-5.66e-03	-25.85	1.64e-06	-2.36	-0.84
60	9	0.70	3.50	2.78e-06	0.0	0.0	-20.27	-0.23	-56.91	2.38e-06	3.50	0.70
		0.69	0.65	-1.25e-04	0.0	5.0	-20.27	-0.23	-56.91	2.38e-06	0.65	0.69
60	15	-1.96	1.27	-2.57e-05	0.0	0.0	-21.33	-0.78	-19.82	-4.21e-05	1.27	-1.96
		-2.00	0.27	-6.99e-05	0.0	5.0	-21.33	-0.78	-19.82	-4.21e-05	0.27	-2.00
60	18	-0.07	3.22	-1.57e-06	0.0	0.0	-33.64	-0.25	-54.31	-4.12e-05	3.22	-0.07
		-0.08	0.50	-1.18e-04	0.0	5.0	-33.64	-0.25	-54.31	-4.12e-05	0.50	-0.08
60	19	-0.07	3.24	-1.55e-06	0.0	0.0	-33.99	-0.32	-53.08	1.86e-06	3.24	-0.07
		-0.08	0.59	-1.18e-04	0.0	5.0	-33.99	-0.32	-53.08	1.86e-06	0.59	-0.08
60	20	0.16	1.32	0.0	0.0	0.0	-23.91	-0.09	-25.51	1.04e-06	1.32	0.16
		0.16	0.05	-5.86e-05	0.0	5.0	-23.91	-0.09	-25.51	1.04e-06	0.05	0.16
60	21	-1.10	0.19	-4.18e-06	0.0	0.0	-71.92	-0.17	-32.38	1.37e-06	0.19	-1.10
		-1.10	-1.42	-8.54e-05	0.0	5.0	-71.92	-0.17	-32.38	1.37e-06	-1.42	-1.10
60	22	-0.07	3.22	-1.57e-06	0.0	0.0	-33.64	-0.25	-54.31	-4.12e-05	3.22	-0.07
		-0.08	0.50	-1.18e-04	0.0	5.0	-33.64	-0.25	-54.31	-4.12e-05	0.50	-0.08
60	24	-0.13	4.75	-2.41e-06	0.0	0.0	-47.41	-0.41	-77.48	2.20e-06	4.75	-0.13
		-0.15	0.88	-1.69e-04	0.0	5.0	-47.41	-0.41	-77.48	2.20e-06	0.88	-0.15
60	25	-1.68	0.18	-6.36e-06	0.0	0.0	-104.32	-0.18	-46.42	1.47e-06	0.18	-1.68
		-1.68	-2.14	-1.19e-04	0.0	5.0	-104.32	-0.18	-46.42	1.47e-06	-2.14	-1.68
60	27	-0.07	3.24	-1.55e-06	0.0	0.0	-33.99	-0.32	-53.08	1.86e-06	3.24	-0.07
		-0.08	0.59	-1.18e-04	0.0	5.0	-33.99	-0.32	-53.08	1.86e-06	0.59	-0.08
60	28	-0.12	4.66	-2.38e-06	0.0	0.0	-47.40	-0.46	-75.79	2.63e-06	4.66	-0.12
		-0.15	0.87	-1.69e-04	0.0	5.0	-47.40	-0.46	-75.79	2.63e-06	0.87	-0.15
60	29	-0.07	3.24	-1.55e-06	0.0	0.0	-33.99	-0.32	-53.08	1.86e-06	3.24	-0.07
		-0.08	0.59	-1.18e-04	0.0	5.0	-33.99	-0.32	-53.08	1.86e-06	0.59	-0.08
60	30	-1.18	2.03	-3.33e-05	0.0	0.0	-48.09	-1.40	-23.98	-3.27e-04	2.03	-1.18
		-1.26	0.86	-1.22e-04	0.0	5.0	-48.09	-1.40	-23.98	-3.27e-04	0.86	-1.26
60	33	-3.54	1.00	-2.58e-05	0.0	0.0	-60.38	-0.59	-57.31	2.64e-04	1.00	-3.54
		-3.57	-1.89	-1.22e-04	0.0	5.0	-60.38	-0.59	-57.31	2.64e-04	-1.89	-3.57
60	35	-1.35	2.25	-3.29e-05	0.0	0.0	-48.88	-1.46	-30.00	-2.47e-04	2.25	-1.35
		-1.42	0.69	-1.22e-04	0.0	5.0	-48.88	-1.46	-30.00	-2.47e-04	0.69	-1.42
60	62	-1.65	1.83	-3.18e-05	0.0	0.0	-50.53	-1.24	-30.62	-2.11e-04	1.83	-1.65
		-1.71	0.31	-1.22e-04	0.0	5.0	-50.53	-1.24	-30.62	-2.11e-04	0.31	-1.71
60	65	-3.07	1.20	-2.73e-05	0.0	0.0	-57.93	-0.75	-50.67	1.48e-04	1.20	-3.07
		-3.11	-1.35	-1.22e-04	0.0	5.0	-57.93	-0.75	-50.67	1.48e-04	-1.35	-3.11
60	67	-1.75	1.97	-3.16e-05	0.0	0.0	-51.02	-1.28	-34.41	-1.60e-04	1.97	-1.75
		-1.81	0.21	-1.22e-04	0.0	5.0	-51.02	-1.28	-34.41	-1.60e-04	0.21	-1.81
61	3	0.41	4.04	4.87e-06	0.0	0.0	-22.26	0.12	-55.63	1.87e-06	4.04	0.41
		0.41	1.25	-1.07e-04	0.0	5.0	-22.26	0.12	-55.63	1.87e-06	1.25	0.41
61	4	-0.73	1.79	-5.11e-06	0.0	0.0	-50.13	-2.32e-03	-31.46	0.0	1.79	-0.73
		-0.73	0.22	-7.31e-05	0.0	5.0	-50.13	-2.32e-03	-31.46	0.0	0.22	-0.73
61	8	0.26	-1.11	0.0	0.0	0.0	-10.36	0.19	-11.83	1.26e-06	-1.11	0.25
		0.25	-1.71	-5.02e-05	0.0	5.0	-10.36	0.19	-11.83	1.26e-06	-1.71	0.26
61	13	-0.43	4.74	-1.67e-06	0.0	0.0	-40.37	0.42	-67.21	-6.27e-05	4.74	-0.45
		-0.45	1.38	-1.24e-04	0.0	5.0	-40.37	0.42	-67.21	-6.27e-05	1.38	-0.43
61	15	-3.14	0.55	-3.52e-05	0.0	0.0	-23.28	7.19e-03	-15.48	-4.34e-05	0.55	-3.14
		-3.14	-0.23	-5.04e-05	0.0	5.0	-23.28	7.19e-03	-15.48	-4.34e-05	-0.23	-3.14
61	18	-0.28	3.26	-1.01e-06	0.0	0.0	-29.29	0.28	-46.64	-4.17e-05	3.26	-0.29
		-0.29	0.93	-8.66e-05	0.0	5.0	-29.29	0.28	-46.64	-4.17e-05	0.93	-0.28
61	19	-0.28	3.08	0.0	0.0	0.0	-29.26	0.14	-43.40	1.32e-06	3.08	-0.29
		-0.29	0.91	-8.66e-05	0.0	5.0	-29.26	0.14	-43.40	1.32e-06	0.91	-0.28
61	20	0.09	1.00	1.04e-06	0.0	0.0	-23.74	-0.07	-18.33	0.0	1.00	0.09
		0.08	0.09	-4.22e-05	0.0	5.0	-23.74	-0.07	-18.33	0.0	0.09	0.08
61	21	-0.36	-0.12	-3.34e-06	0.0	0.0	-26.87	0.16	-18.48	1.08e-06	-0.12	-0.37
		-0.37	-1.04	-5.83e-05	0.0	5.0	-26.87	0.16	-18.48	1.08e-06	-1.04	-0.36
61	22	-0.28	3.26	-1.01e-06	0.0	0.0	-29.29	0.28	-46.64	-4.17e-05	3.26	-0.29
		-0.29	0.93	-8.66e-05	0.0	5.0	-29.29	0.28	-46.64	-4.17e-05	0.93	-0.28
61	28	-0.43	4.47	-1.64e-06	0.0	0.0	-40.33	0.21	-62.35	1.88e-06	4.47	-0.44
		-0.44	1.36	-1.24e-04	0.0	5.0	-40.33	0.21	-62.35	1.88e-06	1.36	-0.43
61	29	-0.28	3.08	0.0	0.0	0.0	-29.26	0.14	-43.40	1.32e-06	3.08	-0.29
		-0.29	0.91	-8.66e-05	0.0	5.0	-29.26	0.14	-43.40	1.32e-06	0.91	-0.28
61	31	-3.76	-0.07	-4.44e-05	0.0	0.0	-14.04	-0.88	-24.40	-2.35e-04	-0.07	-3.78
		-3.78	-1.26	-8.66e-05	0.0	5.0	-14.04	-0.88	-24.40	-2.35e-04	-1.26	-3.76
61	32	-2.78	1.99	-3.45e-05	0.0	0.0	-21.83	1.16	-41.60	1.68e-04	1.99	-2.78
		-2.79	-0.12	-8.63e-05	0.0	5.0	-21.83	1.16	-41.60	1.68e-04	-0.12	-2.79
61	34	-3.51	0.05	-4.51e-05	0.0	0.0	-12.66	-0.69	-21.74	-3.15e-04	0.05	-3.54
		-3.54	-1.11	-8.67e-05	0.0	5.0	-12.66	-0.69	-21.74	-3.15e-04	-1.11	-3.51

61	37	-3.02	1.87	-3.38e-05	0.0	0.0	-23.21	0.97	-44.26	2.48e-04	1.87	-3.02
		-3.03	-0.26	-8.63e-05	0.0	5.0	-23.21	0.97	-44.26	2.48e-04	-0.26	-3.03
61	51	-3.85	0.51	-4.02e-05	0.0	0.0	-19.68	-0.51	-34.75	1.07e-04	0.51	-3.85
		-3.87	-1.03	-8.64e-05	0.0	5.0	-19.68	-0.51	-34.75	1.07e-04	-1.03	-3.87
61	52	-2.68	1.41	-3.87e-05	0.0	0.0	-16.18	0.79	-31.25	-1.74e-04	1.41	-2.71
		-2.71	-0.35	-8.66e-05	0.0	5.0	-16.18	0.79	-31.25	-1.74e-04	-0.35	-2.68
61	63	-3.60	0.33	-4.24e-05	0.0	0.0	-15.59	-0.49	-27.87	-1.54e-04	0.33	-3.61
		-3.61	-1.05	-8.65e-05	0.0	5.0	-15.59	-0.49	-27.87	-1.54e-04	-1.05	-3.60
61	64	-2.94	1.59	-3.65e-05	0.0	0.0	-20.27	0.77	-38.13	8.65e-05	1.59	-2.94
		-2.94	-0.33	-8.65e-05	0.0	5.0	-20.27	0.77	-38.13	8.65e-05	-0.33	-2.94
61	66	-3.44	0.41	-4.28e-05	0.0	0.0	-14.71	-0.36	-26.23	-2.05e-04	0.41	-3.46
		-3.46	-0.95	-8.66e-05	0.0	5.0	-14.71	-0.36	-26.23	-2.05e-04	-0.95	-3.44
61	69	-3.10	1.51	-3.60e-05	0.0	0.0	-21.15	0.64	-39.77	1.37e-04	1.51	-3.10
		-3.10	-0.43	-8.64e-05	0.0	5.0	-21.15	0.64	-39.77	1.37e-04	-0.43	-3.10
61	83	-3.65	0.67	-3.99e-05	0.0	0.0	-19.04	-0.28	-34.02	5.54e-05	0.67	-3.65
		-3.66	-0.91	-8.64e-05	0.0	5.0	-19.04	-0.28	-34.02	5.54e-05	-0.91	-3.66
61	84	-2.88	1.25	-3.90e-05	0.0	0.0	-16.82	0.56	-31.98	-1.23e-04	1.25	-2.91
		-2.91	-0.47	-8.66e-05	0.0	5.0	-16.82	0.56	-31.98	-1.23e-04	-0.47	-2.88
62	8	0.20	-0.82	2.92e-06	0.0	0.0	-19.77	-0.73	-4.39	0.0	-0.82	0.20
		0.17	-1.04	-2.25e-05	0.0	5.0	-19.77	-0.73	-4.39	0.0	-1.04	0.17
62	13	-1.69	2.32	0.0	0.0	0.0	-142.88	-3.50	-46.89	-6.27e-05	2.32	-1.69
		-1.87	-0.03	-6.57e-05	0.0	5.0	-142.88	-3.50	-46.89	-6.27e-05	-0.03	-1.87
62	14	-0.53	-0.27	-3.48e-06	0.0	0.0	-45.74	-1.92	-17.63	-6.32e-05	-0.27	-0.53
		-0.63	-1.15	-3.84e-05	0.0	5.0	-45.74	-1.92	-17.63	-6.32e-05	-1.15	-0.63
62	15	-3.80	0.51	-4.19e-05	0.0	0.0	-43.49	0.48	-10.67	-4.52e-05	0.51	-3.82
		-3.82	-0.03	-2.60e-05	0.0	5.0	-43.49	0.48	-10.67	-4.52e-05	-0.03	-3.80
62	18	-1.14	1.58	0.0	0.0	0.0	-97.63	-2.38	-32.34	-4.17e-05	1.58	-1.14
		-1.26	-0.04	-4.60e-05	0.0	5.0	-97.63	-2.38	-32.34	-4.17e-05	-0.04	-1.26
62	19	-1.15	1.39	0.0	0.0	0.0	-97.63	-2.10	-28.46	1.20e-06	1.39	-1.15
		-1.25	-0.04	-4.60e-05	0.0	5.0	-97.63	-2.10	-28.46	1.20e-06	-0.04	-1.25
62	20	-0.16	0.34	1.63e-06	0.0	0.0	-23.73	-0.45	-10.80	0.0	0.34	-0.16
		-0.18	-0.20	-2.21e-05	0.0	5.0	-23.73	-0.45	-10.80	0.0	-0.20	-0.18
62	21	-0.38	-0.34	-2.14e-06	0.0	0.0	-32.86	-1.04	-8.95	0.0	-0.34	-0.38
		-0.43	-0.79	-2.79e-05	0.0	5.0	-32.86	-1.04	-8.95	0.0	-0.79	-0.43
62	22	-1.14	1.58	0.0	0.0	0.0	-97.63	-2.38	-32.34	-4.17e-05	1.58	-1.14
		-1.26	-0.04	-4.60e-05	0.0	5.0	-97.63	-2.38	-32.34	-4.17e-05	-0.04	-1.26
62	28	-1.70	2.03	0.0	0.0	0.0	-142.88	-3.08	-41.07	1.73e-06	2.03	-1.70
		-1.85	-0.03	-6.57e-05	0.0	5.0	-142.88	-3.08	-41.07	1.73e-06	-0.03	-1.85
62	29	-1.15	1.39	0.0	0.0	0.0	-97.63	-2.10	-28.46	1.20e-06	1.39	-1.15
		-1.25	-0.04	-4.60e-05	0.0	5.0	-97.63	-2.10	-28.46	1.20e-06	-0.04	-1.25
62	31	-5.89	-0.55	-5.30e-05	0.0	0.0	-101.37	1.04	-20.39	-2.39e-04	-0.55	-6.20
		-6.20	-1.73	-4.34e-05	0.0	5.0	-101.37	1.04	-20.39	-2.39e-04	-1.73	-5.89
62	37	-3.20	1.98	-3.86e-05	0.0	0.0	-92.29	-1.58	-32.44	2.48e-04	1.98	-3.20
		-3.29	0.43	-4.32e-05	0.0	5.0	-92.29	-1.58	-32.44	2.48e-04	0.43	-3.29
62	38	-6.25	-0.19	-5.58e-05	0.0	0.0	-102.04	-0.61	-11.53	-1.48e-04	-0.19	-6.25
		-6.55	-0.71	-4.33e-05	0.0	5.0	-102.04	-0.61	-11.53	-1.48e-04	-0.71	-6.55
62	39	-6.27	0.06	-5.45e-05	0.0	0.0	-103.18	-0.04	-19.65	-5.27e-05	0.06	-6.54
		-6.54	-0.99	-4.33e-05	0.0	5.0	-103.18	-0.04	-19.65	-5.27e-05	-0.99	-6.27
62	40	-2.81	1.10	-3.82e-05	0.0	0.0	-89.49	-0.99	-24.75	-1.83e-05	1.10	-2.81
		-3.12	-0.06	-4.34e-05	0.0	5.0	-89.49	-0.99	-24.75	-1.83e-05	-0.06	-3.12
62	63	-5.42	-0.10	-5.04e-05	0.0	0.0	-99.47	0.45	-21.22	-1.57e-04	-0.10	-5.61
		-5.61	-1.28	-4.34e-05	0.0	5.0	-99.47	0.45	-21.22	-1.57e-04	-1.28	-5.42
62	69	-3.77	1.43	-4.16e-05	0.0	0.0	-93.87	-1.16	-28.58	1.36e-04	1.43	-3.77
		-3.84	0.05	-4.33e-05	0.0	5.0	-93.87	-1.16	-28.58	1.36e-04	0.05	-3.84
62	70	-5.67	0.10	-5.23e-05	0.0	0.0	-99.92	-0.58	-15.50	-1.06e-04	0.10	-5.67
		-5.87	-0.64	-4.33e-05	0.0	5.0	-99.92	-0.58	-15.50	-1.06e-04	-0.64	-5.87
62	71	-5.69	0.25	-5.15e-05	0.0	0.0	-100.68	-0.20	-20.66	-4.57e-05	0.25	-5.86
		-5.86	-0.83	-4.33e-05	0.0	5.0	-100.68	-0.20	-20.66	-4.57e-05	-0.83	-5.69
62	72	-3.49	0.91	-4.12e-05	0.0	0.0	-92.00	-0.83	-23.74	-2.52e-05	0.91	-3.49
		-3.71	-0.23	-4.34e-05	0.0	5.0	-92.00	-0.83	-23.74	-2.52e-05	-0.23	-3.71
63	3	7.07	-2.03	1.36e-05	0.0	0.0	-91.70	1.25	-29.11	1.17e-06	-2.03	7.00
		7.00	-3.48	-5.77e-05	0.0	5.0	-91.70	1.25	-29.11	1.17e-06	-3.48	7.07
63	7	1.68	0.33	4.88e-06	0.0	0.0	-29.82	0.46	-7.29	0.0	0.33	1.65
		1.65	-0.04	-2.21e-05	0.0	5.0	-29.82	0.46	-7.29	0.0	-0.04	1.68
63	14	1.46	1.16	1.83e-06	0.0	0.0	-54.04	0.06	-15.79	-1.02e-04	1.16	1.46
		1.46	0.37	-3.96e-05	0.0	5.0	-54.04	0.06	-15.79	-1.02e-04	0.37	1.46
63	15	-0.49	0.16	-3.63e-05	0.0	0.0	-36.36	1.52	3.93	-7.22e-05	-0.04	-0.57
		-0.57	-0.04	-2.08e-05	0.0	5.0	-36.36	1.52	3.93	-7.22e-05	0.16	-0.49
63	18	4.88	-0.92	5.14e-06	0.0	0.0	-71.75	0.67	-26.91	-6.74e-05	-0.92	4.85
		4.85	-2.27	-4.59e-05	0.0	5.0	-71.75	0.67	-26.91	-6.74e-05	-2.27	4.88
63	19	4.88	-1.15	5.17e-06	0.0	0.0	-71.74	0.70	-22.41	0.0	-1.15	4.85
		4.85	-2.27	-4.60e-05	0.0	5.0	-71.74	0.70	-22.41	0.0	-2.27	4.88
63	20	1.68	0.33	4.88e-06	0.0	0.0	-29.82	0.46	-7.29	0.0	0.33	1.65
		1.65	-0.04	-2.21e-05	0.0	5.0	-29.82	0.46	-7.29	0.0	-0.04	1.68
63	21	1.14	0.58	1.73e-06	0.0	0.0	-39.01	0.11	-6.75	0.0	0.58	1.14
		1.14	0.25	-2.87e-05	0.0	5.0	-39.01	0.11	-6.75	0.0	0.25	1.14
63	22	4.88	-0.92	5.14e-06	0.0	0.0	-71.75	0.67	-26.91	-6.74e-05	-0.92	4.85

		4.85	-2.27	-4.59e-05	0.0	5.0	-71.75	0.67	-26.91	-6.74e-05	-2.27	4.88
63	24	7.07	-1.69	6.96e-06	0.0	0.0	-103.16	1.17	-34.10	1.75e-06	-1.69	7.01
		7.01	-3.40	-6.57e-05	0.0	5.0	-103.16	1.17	-34.10	1.75e-06	-3.40	7.07
63	27	4.88	-1.15	5.17e-06	0.0	0.0	-71.74	0.70	-22.41	0.0	-1.15	4.85
		4.85	-2.27	-4.60e-05	0.0	5.0	-71.74	0.70	-22.41	0.0	-2.27	4.88
63	28	7.07	-1.77	7.02e-06	0.0	0.0	-103.14	0.98	-32.52	1.31e-06	-1.77	7.02
		7.02	-3.40	-6.57e-05	0.0	5.0	-103.14	0.98	-32.52	1.31e-06	-3.40	7.07
63	29	4.88	-1.15	5.17e-06	0.0	0.0	-71.74	0.70	-22.41	0.0	-1.15	4.85
		4.85	-2.27	-4.60e-05	0.0	5.0	-71.74	0.70	-22.41	0.0	-2.27	4.88
63	30	1.87	0.82	-4.53e-05	0.0	0.0	-69.07	2.49	6.27	-5.31e-04	0.27	1.74
		1.74	0.27	-3.80e-05	0.0	5.0	-69.07	2.49	6.27	-5.31e-04	0.82	1.87
63	33	1.12	-2.35	-3.15e-05	0.0	0.0	-72.88	1.94	-19.19	4.16e-04	-2.35	1.02
		1.02	-3.55	-3.85e-05	0.0	5.0	-72.88	1.94	-19.19	4.16e-04	-3.55	1.12
63	38	1.84	1.27	-4.63e-05	0.0	0.0	-68.63	1.86	14.55	-2.36e-04	0.26	1.74
		1.74	0.26	-3.78e-05	0.0	5.0	-68.63	1.86	14.55	-2.36e-04	1.27	1.84
63	41	1.15	-2.34	-3.06e-05	0.0	0.0	-73.32	2.58	-27.46	1.22e-04	-2.34	1.02
		1.02	-3.99	-3.87e-05	0.0	5.0	-73.32	2.58	-27.46	1.22e-04	-3.99	1.15
63	62	1.72	-0.03	-4.26e-05	0.0	0.0	-69.81	2.39	1.38	-3.45e-04	-0.25	1.60
		1.60	-0.25	-3.81e-05	0.0	5.0	-69.81	2.39	1.38	-3.45e-04	-0.03	1.72
63	70	1.71	0.30	-4.34e-05	0.0	0.0	-69.49	1.99	6.75	-1.69e-04	-0.23	1.61
		1.61	-0.23	-3.79e-05	0.0	5.0	-69.49	1.99	6.75	-1.69e-04	0.30	1.71
63	73	1.28	-1.85	-3.34e-05	0.0	0.0	-72.46	2.45	-19.67	5.49e-05	-1.85	1.15
		1.15	-3.03	-3.86e-05	0.0	5.0	-72.46	2.45	-19.67	5.49e-05	-3.03	1.28
64	1	1.31	1.04	6.83e-06	0.0	0.0	-40.01	-0.09	-20.17	1.28e-06	1.04	1.31
		1.30	0.03	-5.73e-05	0.0	5.0	-40.01	-0.09	-20.17	1.28e-06	0.03	1.30
64	7	0.97	0.77	5.06e-06	0.0	0.0	-29.63	-0.07	-14.94	0.0	0.77	0.97
		0.96	0.02	-4.24e-05	0.0	5.0	-29.63	-0.07	-14.94	0.0	0.02	0.96
64	9	0.80	0.44	1.01e-05	0.0	0.0	-37.91	-0.74	-41.24	2.71e-06	0.44	0.80
		0.76	-1.62	-9.33e-05	0.0	5.0	-37.91	-0.74	-41.24	2.71e-06	-1.62	0.76
64	11	-1.81	3.07	1.57e-06	0.0	0.0	-52.03	-0.06	-17.77	0.0	3.07	-1.81
		-1.81	2.18	-6.74e-05	0.0	5.0	-52.03	-0.06	-17.77	0.0	2.18	-1.81
64	14	-1.47	3.69	3.30e-06	0.0	0.0	-62.43	0.04	-29.74	-1.01e-04	3.69	-1.47
		-1.47	2.20	-8.22e-05	0.0	5.0	-62.43	0.04	-29.74	-1.01e-04	2.20	-1.47
64	19	0.64	0.75	4.55e-06	0.0	0.0	-43.07	-0.56	-36.21	2.10e-06	0.75	0.64
		0.61	-1.06	-8.64e-05	0.0	5.0	-43.07	-0.56	-36.21	2.10e-06	-1.06	0.61
64	20	0.97	0.77	5.06e-06	0.0	0.0	-29.63	-0.07	-14.94	0.0	0.77	0.97
		0.96	0.02	-4.24e-05	0.0	5.0	-29.63	-0.07	-14.94	0.0	0.02	0.96
64	21	-0.88	2.30	2.73e-06	0.0	0.0	-44.57	-0.06	-16.83	0.0	2.30	-0.88
		-0.89	1.46	-5.91e-05	0.0	5.0	-44.57	-0.06	-16.83	0.0	1.46	-0.89
64	22	0.64	0.98	4.53e-06	0.0	0.0	-43.08	-0.48	-40.70	-6.62e-05	0.98	0.64
		0.61	-1.05	-8.64e-05	0.0	5.0	-43.08	-0.48	-40.70	-6.62e-05	-1.05	0.61
64	27	0.64	0.75	4.55e-06	0.0	0.0	-43.07	-0.56	-36.21	2.10e-06	0.75	0.64
		0.61	-1.06	-8.64e-05	0.0	5.0	-43.07	-0.56	-36.21	2.10e-06	-1.06	0.61
64	28	0.81	1.01	6.07e-06	0.0	0.0	-60.15	-0.83	-52.07	3.00e-06	1.01	0.81
		0.77	-1.59	-1.23e-04	0.0	5.0	-60.15	-0.83	-52.07	3.00e-06	-1.59	0.77
64	29	0.64	0.75	4.55e-06	0.0	0.0	-43.07	-0.56	-36.21	2.10e-06	0.75	0.64
		0.61	-1.06	-8.64e-05	0.0	5.0	-43.07	-0.56	-36.21	2.10e-06	-1.06	0.61
64	30	-3.82	2.28	-3.79e-05	0.0	0.0	-55.27	-0.72	15.20	-5.25e-04	1.37	-3.82
		-3.87	1.37	-7.63e-05	0.0	5.0	-55.27	-0.72	15.20	-5.25e-04	2.28	-3.87
64	33	-1.61	-0.31	-2.54e-05	0.0	0.0	-49.34	-1.00	-34.05	4.18e-04	-0.31	-1.61
		-1.65	-2.17	-7.70e-05	0.0	5.0	-49.34	-1.00	-34.05	4.18e-04	-2.17	-1.65
64	38	-3.79	2.50	-3.87e-05	0.0	0.0	-54.53	-0.69	25.49	-2.30e-04	1.05	-3.79
		-3.83	1.05	-7.59e-05	0.0	5.0	-54.53	-0.69	25.49	-2.30e-04	2.50	-3.83
64	41	-1.64	-3.44e-03	-2.46e-05	0.0	0.0	-50.08	-1.03	-44.34	1.23e-04	-3.44e-03	-1.64
		-1.69	-2.39	-7.75e-05	0.0	5.0	-50.08	-1.03	-44.34	1.23e-04	-2.39	-1.69
64	62	-3.39	1.41	-3.54e-05	0.0	0.0	-54.09	-0.77	5.46	-3.40e-04	1.03	-3.39
		-3.43	1.03	-7.64e-05	0.0	5.0	-54.09	-0.77	5.46	-3.40e-04	1.41	-3.43
64	65	-2.05	0.02	-2.79e-05	0.0	0.0	-50.52	-0.95	-24.31	2.33e-04	0.02	-2.05
		-2.09	-1.30	-7.70e-05	0.0	5.0	-50.52	-0.95	-24.31	2.33e-04	-1.30	-2.09
64	70	-3.39	1.60	-3.61e-05	0.0	0.0	-53.71	-0.75	12.52	-1.64e-04	0.86	-3.39
		-3.44	0.86	-7.61e-05	0.0	5.0	-53.71	-0.75	12.52	-1.64e-04	1.60	-3.44
64	73	-2.04	0.19	-2.72e-05	0.0	0.0	-50.91	-0.97	-31.37	5.71e-05	0.19	-2.04
		-2.08	-1.49	-7.73e-05	0.0	5.0	-50.91	-0.97	-31.37	5.71e-05	-1.49	-2.08
65	1	0.81	1.83	5.96e-06	0.0	0.0	-40.16	-1.02	-31.20	1.86e-06	1.83	0.81
		0.76	0.27	-8.01e-05	0.0	5.0	-40.16	-1.02	-31.20	1.86e-06	0.27	0.76
65	11	-0.22	6.62	4.64e-06	0.0	0.0	-79.75	-2.72	-32.10	0.0	6.62	-0.22
		-0.35	5.01	-9.87e-05	0.0	5.0	-79.75	-2.72	-32.10	0.0	5.01	-0.35
65	15	0.46	-1.26	-2.24e-05	0.0	0.0	-29.49	0.83	7.64	-6.62e-05	-1.26	0.42
		0.42	-1.64	-5.80e-05	0.0	5.0	-29.49	0.83	7.64	-6.62e-05	-1.64	0.42
65	18	0.22	2.62	3.42e-06	0.0	0.0	-38.91	-0.99	-51.20	-6.58e-05	2.62	0.22
		0.17	0.06	-1.18e-04	0.0	5.0	-38.91	-0.99	-51.20	-6.58e-05	0.06	0.17
65	19	0.19	2.50	3.44e-06	0.0	0.0	-39.24	-0.94	-47.06	2.55e-06	2.50	0.19
		0.15	0.15	-1.18e-04	0.0	5.0	-39.24	-0.94	-47.06	2.55e-06	0.15	0.15
65	20	0.60	1.35	4.41e-06	0.0	0.0	-29.75	-0.76	-23.11	1.38e-06	1.35	0.60
		0.57	0.20	-5.93e-05	0.0	5.0	-29.75	-0.76	-23.11	1.38e-06	0.20	0.57
65	21	0.06	4.86	4.56e-06	0.0	0.0	-63.09	-2.07	-29.10	0.0	4.86	0.06
		-0.05	3.41	-8.55e-05	0.0	5.0	-63.09	-2.07	-29.10	0.0	3.41	-0.05

65	22	0.22	2.62	3.42e-06	0.0	0.0	-38.91	-0.99	-51.20	-6.58e-05	2.62	0.22
		0.17	0.06	-1.18e-04	0.0	5.0	-38.91	-0.99	-51.20	-6.58e-05	0.06	0.17
65	25	-0.02	7.32	6.15e-06	0.0	0.0	-90.19	-2.76	-44.73	0.0	7.32	-0.02
		-0.15	5.08	-1.19e-04	0.0	5.0	-90.19	-2.76	-44.73	0.0	5.08	-0.15
65	28	0.20	3.55	4.50e-06	0.0	0.0	-54.40	-1.30	-67.12	3.61e-06	3.55	0.20
		0.14	0.19	-1.68e-04	0.0	5.0	-54.40	-1.30	-67.12	3.61e-06	0.19	0.14
65	29	0.19	2.50	3.44e-06	0.0	0.0	-39.24	-0.94	-47.06	2.55e-06	2.50	0.19
		0.15	0.15	-1.18e-04	0.0	5.0	-39.24	-0.94	-47.06	2.55e-06	0.15	0.15
65	30	-1.29	3.94	-2.70e-05	0.0	0.0	-61.49	-3.63	26.64	-5.20e-04	2.49	-1.29
		-1.47	2.49	-1.08e-04	0.0	5.0	-61.49	-3.63	26.64	-5.20e-04	3.94	-1.47
65	33	1.06	0.72	-1.79e-05	0.0	0.0	-53.52	1.90	-45.21	4.19e-04	0.72	0.98
		0.98	-1.65	-1.09e-04	0.0	5.0	-53.52	1.90	-45.21	4.19e-04	-1.65	1.06
65	38	-1.20	3.95	-2.78e-05	0.0	0.0	-61.16	-2.79	35.27	-2.25e-04	2.06	-1.20
		-1.34	2.06	-1.08e-04	0.0	5.0	-61.16	-2.79	35.27	-2.25e-04	3.95	-1.34
65	41	0.93	1.15	-1.71e-05	0.0	0.0	-53.86	1.06	-53.84	1.24e-04	1.15	0.88
		0.88	-1.67	-1.10e-04	0.0	5.0	-53.86	1.06	-53.84	1.24e-04	-1.67	0.93
65	62	-0.84	2.83	-2.52e-05	0.0	0.0	-59.92	-2.53	12.36	-3.36e-04	2.14	-0.84
		-0.96	2.14	-1.08e-04	0.0	5.0	-59.92	-2.53	12.36	-3.36e-04	2.83	-0.96
65	65	0.56	1.08	-1.97e-05	0.0	0.0	-55.10	0.80	-30.93	2.35e-04	1.08	0.53
		0.53	-0.55	-1.09e-04	0.0	5.0	-55.10	0.80	-30.93	2.35e-04	-0.55	0.56
65	70	-0.82	2.91	-2.58e-05	0.0	0.0	-59.81	-2.07	18.71	-1.60e-04	1.89	-0.82
		-0.91	1.89	-1.08e-04	0.0	5.0	-59.81	-2.07	18.71	-1.60e-04	2.91	-0.91
65	73	0.51	1.32	-1.90e-05	0.0	0.0	-55.21	0.34	-37.28	5.93e-05	1.32	0.50
		0.50	-0.63	-1.10e-04	0.0	5.0	-55.21	0.34	-37.28	5.93e-05	-0.63	0.51
66	3	-2.84	5.13	6.33e-06	0.0	0.0	-39.37	2.34	-77.82	2.82e-04	5.13	-2.96
		-2.96	1.24	-1.74e-04	0.0	5.0	-39.37	2.34	-77.82	2.82e-04	1.24	-2.84
66	9	-2.46	4.36	5.19e-06	0.0	0.0	-29.01	1.93	-66.34	2.43e-04	4.36	-2.55
		-2.55	1.04	-1.49e-04	0.0	5.0	-29.01	1.93	-66.34	2.43e-04	1.04	-2.46
66	14	3.90	5.67	9.09e-06	0.0	0.0	-210.41	6.17	-53.14	-2.88e-04	5.67	3.59
		3.59	3.01	-1.47e-04	0.0	5.0	-210.41	6.17	-53.14	-2.88e-04	3.01	3.90
66	15	8.04	-1.99	-1.53e-05	0.0	0.0	-39.69	-0.21	25.63	-7.85e-04	-3.28	8.04
		8.03	-3.28	-6.99e-05	0.0	5.0	-39.69	-0.21	25.63	-7.85e-04	-1.99	8.03
66	18	-1.05	3.21	2.22e-06	0.0	0.0	-38.37	1.75	-53.86	4.13e-05	3.21	-1.14
		-1.14	0.51	-1.39e-04	0.0	5.0	-38.37	1.75	-53.86	4.13e-05	0.51	-1.05
66	19	-1.05	3.54	2.26e-06	0.0	0.0	-37.11	1.15	-58.98	1.12e-04	3.54	-1.11
		-1.11	0.59	-1.39e-04	0.0	5.0	-37.11	1.15	-58.98	1.12e-04	0.59	-1.05
66	20	-1.10	2.20	3.28e-06	0.0	0.0	-29.58	1.17	-32.78	1.12e-04	2.20	-1.16
		-1.16	0.56	-7.09e-05	0.0	5.0	-29.58	1.17	-32.78	1.12e-04	0.56	-1.10
66	21	2.49	4.33	6.43e-06	0.0	0.0	-141.97	3.63	-43.83	-1.10e-04	4.33	2.30
		2.30	2.14	-1.05e-04	0.0	5.0	-141.97	3.63	-43.83	-1.10e-04	2.14	2.49
66	22	-1.05	3.21	2.22e-06	0.0	0.0	-38.37	1.75	-53.86	4.13e-05	3.21	-1.14
		-1.14	0.51	-1.39e-04	0.0	5.0	-38.37	1.75	-53.86	4.13e-05	0.51	-1.05
66	25	3.88	6.49	9.15e-06	0.0	0.0	-208.46	4.28	-67.30	-1.82e-04	6.49	3.66
		3.66	3.13	-1.47e-04	0.0	5.0	-208.46	4.28	-67.30	-1.82e-04	3.13	3.88
66	27	-1.05	3.54	2.26e-06	0.0	0.0	-37.11	1.15	-58.98	1.12e-04	3.54	-1.11
		-1.11	0.59	-1.39e-04	0.0	5.0	-37.11	1.15	-58.98	1.12e-04	0.59	-1.05
66	28	-1.42	4.98	2.90e-06	0.0	0.0	-51.23	1.54	-83.55	1.51e-04	4.98	-1.49
		-1.49	0.80	-1.98e-04	0.0	5.0	-51.23	1.54	-83.55	1.51e-04	0.80	-1.42
66	29	-1.05	3.54	2.26e-06	0.0	0.0	-37.11	1.15	-58.98	1.12e-04	3.54	-1.11
		-1.11	0.59	-1.39e-04	0.0	5.0	-37.11	1.15	-58.98	1.12e-04	0.59	-1.05
66	30	14.49	6.20	-1.48e-05	0.0	0.0	-130.44	14.29	73.32	-1.41e-03	2.57	13.37
		13.37	2.57	-1.31e-04	0.0	5.0	-130.44	14.29	73.32	-1.41e-03	6.20	14.49
66	33	8.24	-6.06	-1.11e-05	0.0	0.0	-132.94	-4.61	-36.49	-5.09e-04	-6.06	8.24
		7.60	-7.85	-1.32e-04	0.0	5.0	-132.94	-4.61	-36.49	-5.09e-04	-7.85	7.60
66	42	14.29	7.20	-1.57e-05	0.0	0.0	-133.48	12.06	78.07	-1.04e-03	3.30	13.70
		13.70	3.30	-1.31e-04	0.0	5.0	-133.48	12.06	78.07	-1.04e-03	7.20	14.29
66	45	7.91	-6.79	-1.02e-05	0.0	0.0	-129.91	-2.39	-41.25	-8.76e-04	-6.79	7.91
		7.80	-8.85	-1.33e-04	0.0	5.0	-129.91	-2.39	-41.25	-8.76e-04	-8.85	7.80
66	55	11.46	-1.80	-1.33e-05	0.0	0.0	-128.42	5.25	10.16	-9.78e-04	-2.32	11.17
		11.17	-2.32	-1.31e-04	0.0	5.0	-128.42	5.25	10.16	-9.78e-04	-1.80	11.46
66	56	10.63	0.15	-1.26e-05	0.0	0.0	-134.96	4.43	26.67	-9.44e-04	-1.17	10.44
		10.44	-1.17	-1.33e-04	0.0	5.0	-134.96	4.43	26.67	-9.44e-04	0.15	10.63
66	70	13.14	4.12	-1.47e-05	0.0	0.0	-132.71	9.50	55.44	-1.03e-03	1.36	12.40
		12.40	1.36	-1.31e-04	0.0	5.0	-132.71	9.50	55.44	-1.03e-03	4.12	13.14
66	72	9.25	-4.33	-1.13e-05	0.0	0.0	-131.49	1.22	-11.02	-9.64e-04	-4.33	8.93
		8.93	-4.89	-1.33e-04	0.0	5.0	-131.49	1.22	-11.02	-9.64e-04	-4.89	9.25
66	74	13.09	4.23	-1.47e-05	0.0	0.0	-132.83	9.38	55.96	-1.01e-03	1.43	12.63
		12.63	1.43	-1.31e-04	0.0	5.0	-132.83	9.38	55.96	-1.01e-03	4.23	13.09
66	77	9.00	-4.92	-1.12e-05	0.0	0.0	-130.55	0.29	-19.13	-9.07e-04	-4.92	8.98
		8.98	-5.88	-1.33e-04	0.0	5.0	-130.55	0.29	-19.13	-9.07e-04	-5.88	9.00
66	87	11.29	-1.49	-1.32e-05	0.0	0.0	-129.55	5.04	12.80	-9.65e-04	-2.14	11.02
		11.02	-2.14	-1.31e-04	0.0	5.0	-129.55	5.04	12.80	-9.65e-04	-1.49	11.29
66	88	10.80	-0.16	-1.28e-05	0.0	0.0	-133.83	4.63	24.02	-9.56e-04	-0.16	10.59
		10.59	-1.35	-1.32e-04	0.0	5.0	-133.83	4.63	24.02	-9.56e-04	-1.35	10.80
71	6	-1.21	-1.34	5.68e-06	0.0	0.0	-109.57	1.83	43.92	-2.00e-06	-3.53	-1.30
		-1.30	-3.53	6.61e-05	0.0	5.0	-109.57	1.83	43.92	-2.00e-06	-1.34	-1.21
71	8	-1.66	0.09	0.0	0.0	0.0	-30.25	-0.51	17.65	-1.99e-06	-0.79	-1.66

		-1.68	-0.79	3.20e-05	0.0	5.0	-30.25	-0.51	17.65	-1.99e-06	0.09	-1.68
71	12	-0.68	-1.38	6.23e-06	0.0	0.0	-98.93	2.06	40.15	-1.49e-06	-3.39	-0.78
		-0.78	-3.39	5.83e-05	0.0	5.0	-98.93	2.06	40.15	-1.49e-06	-1.38	-0.68
71	13	-1.19	-1.35	5.65e-06	0.0	0.0	-109.58	2.08	22.01	-1.37e-04	-2.45	-1.30
		-1.30	-2.45	6.62e-05	0.0	5.0	-109.58	2.08	22.01	-1.37e-04	-1.35	-1.19
71	15	-15.36	3.08	-6.30e-05	0.0	0.0	-40.37	-4.13	35.95	-1.07e-04	1.28	-15.36
		-15.57	1.28	4.08e-05	0.0	5.0	-40.37	-4.13	35.95	-1.07e-04	3.08	-15.57
71	18	-0.95	-0.89	3.61e-06	0.0	0.0	-76.09	1.32	15.75	-9.13e-05	-1.67	-1.01
		-1.01	-1.67	4.63e-05	0.0	5.0	-76.09	1.32	15.75	-9.13e-05	-0.89	-0.95
71	19	-0.96	-0.88	3.63e-06	0.0	0.0	-76.09	1.15	30.36	-1.48e-06	-2.40	-1.01
		-1.01	-2.40	4.63e-05	0.0	5.0	-76.09	1.15	30.36	-1.48e-06	-0.88	-0.96
71	20	-1.48	0.12	-1.55e-06	0.0	0.0	-30.40	-0.66	10.78	-1.45e-06	-0.42	-1.48
		-1.51	-0.42	2.22e-05	0.0	5.0	-30.40	-0.66	10.78	-1.45e-06	0.12	-1.51
71	21	-1.50	-0.19	-1.51e-06	0.0	0.0	-39.43	0.28	19.61	-1.26e-06	-1.17	-1.51
		-1.51	-1.17	3.54e-05	0.0	5.0	-39.43	0.28	19.61	-1.26e-06	-0.19	-1.50
71	22	-0.95	-0.89	3.61e-06	0.0	0.0	-76.09	1.32	15.75	-9.13e-05	-1.67	-1.01
		-1.01	-1.67	4.63e-05	0.0	5.0	-76.09	1.32	15.75	-9.13e-05	-0.89	-0.95
71	27	-0.96	-0.88	3.63e-06	0.0	0.0	-76.09	1.15	30.36	-1.48e-06	-2.40	-1.01
		-1.01	-2.40	4.63e-05	0.0	5.0	-76.09	1.15	30.36	-1.48e-06	-0.88	-0.96
71	28	-1.21	-1.34	5.68e-06	0.0	0.0	-109.57	1.83	43.92	-2.00e-06	-3.53	-1.30
		-1.30	-3.53	6.61e-05	0.0	5.0	-109.57	1.83	43.92	-2.00e-06	-1.34	-1.21
71	29	-0.96	-0.88	3.63e-06	0.0	0.0	-76.09	1.15	30.36	-1.48e-06	-2.40	-1.01
		-1.01	-2.40	4.63e-05	0.0	5.0	-76.09	1.15	30.36	-1.48e-06	-0.88	-0.96
71	38	-20.48	1.05	-9.71e-05	0.0	0.0	-92.82	-12.47	51.13	-3.37e-04	-1.47	-20.48
		-21.10	-1.47	6.44e-05	0.0	5.0	-92.82	-12.47	51.13	-3.37e-04	1.05	-21.10
71	39	-21.30	-1.21	-1.01e-04	0.0	0.0	-91.98	-13.72	47.75	-1.38e-04	-3.62	-21.30
		-21.98	-3.62	6.37e-05	0.0	5.0	-91.98	-13.72	47.75	-1.38e-04	-1.21	-21.98
71	40	-11.34	5.33	-5.53e-05	0.0	0.0	-81.49	-2.78	22.68	-4.15e-05	4.21	-11.34
		-11.48	4.21	6.30e-05	0.0	5.0	-81.49	-2.78	22.68	-4.15e-05	5.33	-11.48
71	41	-12.16	3.07	-5.91e-05	0.0	0.0	-80.65	-4.03	19.30	1.58e-04	2.06	-12.16
		-12.36	2.06	6.22e-05	0.0	5.0	-80.65	-4.03	19.30	1.58e-04	3.07	-12.36
71	51	-19.06	-2.36	-9.07e-05	0.0	0.0	-87.02	-11.79	33.85	1.98e-04	-4.13	-19.06
		-19.64	-4.13	6.23e-05	0.0	5.0	-87.02	-11.79	33.85	1.98e-04	-2.36	-19.64
71	52	-13.58	6.47	-6.55e-05	0.0	0.0	-86.45	-4.72	36.58	-3.77e-04	4.73	-13.58
		-13.82	4.73	6.43e-05	0.0	5.0	-86.45	-4.72	36.58	-3.77e-04	6.47	-13.82
71	70	-18.93	1.42	-9.01e-05	0.0	0.0	-90.58	-10.91	45.19	-2.45e-04	-0.81	-18.93
		-19.48	-0.81	6.40e-05	0.0	5.0	-90.58	-10.91	45.19	-2.45e-04	1.42	-19.48
71	71	-19.48	-0.04	-9.26e-05	0.0	0.0	-90.04	-11.73	43.14	-1.19e-04	-2.20	-19.48
		-20.06	-2.20	6.35e-05	0.0	5.0	-90.04	-11.73	43.14	-1.19e-04	-0.04	-20.06
71	72	-13.16	4.15	-6.36e-05	0.0	0.0	-83.44	-4.78	27.29	-6.05e-05	2.80	-13.16
		-13.40	2.80	6.32e-05	0.0	5.0	-83.44	-4.78	27.29	-6.05e-05	4.15	-13.40
71	73	-13.70	2.69	-6.61e-05	0.0	0.0	-82.89	-5.60	25.23	6.55e-05	1.41	-13.70
		-13.98	1.41	6.27e-05	0.0	5.0	-82.89	-5.60	25.23	6.55e-05	2.69	-13.98
71	83	-18.09	-0.79	-8.63e-05	0.0	0.0	-86.90	-10.54	34.47	9.27e-05	-2.56	-18.09
		-18.61	-2.56	6.27e-05	0.0	5.0	-86.90	-10.54	34.47	9.27e-05	-0.79	-18.61
71	84	-14.55	4.90	-6.99e-05	0.0	0.0	-86.57	-5.97	35.96	-2.72e-04	3.16	-14.55
		-14.85	3.16	6.40e-05	0.0	5.0	-86.57	-5.97	35.96	-2.72e-04	4.90	-14.85
72	6	-0.59	-0.13	4.65e-06	0.0	0.0	-57.85	0.17	72.04	-5.12e-06	-3.73	-0.60
		-0.60	-3.73	1.22e-04	0.0	5.0	-57.85	0.17	72.04	-5.12e-06	-0.13	-0.59
72	8	-0.85	0.17	0.0	0.0	0.0	-30.02	0.34	28.55	-2.49e-06	-1.26	-0.87
		-0.87	-1.26	5.58e-05	0.0	5.0	-30.02	0.34	28.55	-2.49e-06	0.17	-0.85
72	12	-0.34	-0.17	5.39e-06	0.0	0.0	-47.28	0.07	64.54	-4.51e-06	-3.40	-0.35
		-0.35	-3.40	1.08e-04	0.0	5.0	-47.28	0.07	64.54	-4.51e-06	-0.17	-0.34
72	13	-0.58	-0.14	4.63e-06	0.0	0.0	-57.94	0.24	51.50	-1.40e-04	-2.71	-0.59
		-0.59	-2.71	1.23e-04	0.0	5.0	-57.94	0.24	51.50	-1.40e-04	-0.14	-0.58
72	15	-5.62	0.69	-5.57e-05	0.0	0.0	-39.81	-0.36	56.09	-1.05e-04	-2.11	-5.62
		-5.64	-2.11	7.30e-05	0.0	5.0	-39.81	-0.36	56.09	-1.05e-04	0.69	-5.64
72	18	-0.46	-0.08	2.87e-06	0.0	0.0	-41.64	0.19	36.48	-9.34e-05	-1.90	-0.47
		-0.47	-1.90	8.59e-05	0.0	5.0	-41.64	0.19	36.48	-9.34e-05	-0.08	-0.46
72	19	-0.46	-0.07	2.89e-06	0.0	0.0	-41.58	0.14	50.17	-3.58e-06	-2.58	-0.47
		-0.47	-2.58	8.59e-05	0.0	5.0	-41.58	0.14	50.17	-3.58e-06	-0.07	-0.46
72	20	-0.71	0.14	-2.12e-06	0.0	0.0	-30.20	0.28	21.45	-1.73e-06	-0.94	-0.72
		-0.72	-0.94	4.21e-05	0.0	5.0	-30.20	0.28	21.45	-1.73e-06	0.14	-0.71
72	21	-0.67	0.08	-1.69e-06	0.0	0.0	-40.66	0.17	33.27	-2.26e-06	-1.58	-0.68
		-0.68	-1.58	6.37e-05	0.0	5.0	-40.66	0.17	33.27	-2.26e-06	0.08	-0.67
72	22	-0.46	-0.08	2.87e-06	0.0	0.0	-41.64	0.19	36.48	-9.34e-05	-1.90	-0.47
		-0.47	-1.90	8.59e-05	0.0	5.0	-41.64	0.19	36.48	-9.34e-05	-0.08	-0.46
72	27	-0.46	-0.07	2.89e-06	0.0	0.0	-41.58	0.14	50.17	-3.58e-06	-2.58	-0.47
		-0.47	-2.58	8.59e-05	0.0	5.0	-41.58	0.14	50.17	-3.58e-06	-0.07	-0.46
72	28	-0.59	-0.13	4.65e-06	0.0	0.0	-57.85	0.17	72.04	-5.12e-06	-3.73	-0.60
		-0.60	-3.73	1.22e-04	0.0	5.0	-57.85	0.17	72.04	-5.12e-06	-0.13	-0.59
72	29	-0.46	-0.07	2.89e-06	0.0	0.0	-41.58	0.14	50.17	-3.58e-06	-2.58	-0.47
		-0.47	-2.58	8.59e-05	0.0	5.0	-41.58	0.14	50.17	-3.58e-06	-0.07	-0.46
72	38	-11.44	-0.13	-9.95e-05	0.0	0.0	-68.67	1.89	90.42	-3.38e-04	-4.61	-11.53
		-11.53	-4.61	1.15e-04	0.0	5.0	-68.67	1.89	90.42	-3.38e-04	-0.13	-11.44
72	39	-12.09	-2.44	-1.04e-04	0.0	0.0	-65.48	2.21	94.21	-1.38e-04	-6.99	-12.20
		-12.20	-6.99	1.15e-04	0.0	5.0	-65.48	2.21	94.21	-1.38e-04	-2.44	-12.09

72	40	-5.65	0.97	-5.49e-05	0.0	0.0	-53.07	0.23	39.92	-3.91e-05	-1.19	-5.67
		-5.67	-1.19	1.12e-04	0.0	5.0	-53.07	0.23	39.92	-3.91e-05	0.97	-5.65
72	41	-6.31	-1.34	-5.96e-05	0.0	0.0	-49.88	0.55	43.71	1.60e-04	-3.56	-6.34
		-6.34	-3.56	1.12e-04	0.0	5.0	-49.88	0.55	43.71	1.60e-04	-1.34	-6.31
72	46	-8.28	3.76	-7.63e-05	0.0	0.0	-66.63	0.96	67.42	-5.81e-04	-0.55	-8.33
		-8.33	-0.55	1.14e-04	0.0	5.0	-66.63	0.96	67.42	-5.81e-04	3.76	-8.28
72	51	-10.83	-4.75	-9.41e-05	0.0	0.0	-56.29	2.00	80.96	1.99e-04	-8.56	-10.93
		-10.93	-8.56	1.14e-04	0.0	5.0	-56.29	2.00	80.96	1.99e-04	-4.75	-10.83
72	70	-10.48	-0.36	-9.20e-05	0.0	0.0	-65.17	1.64	81.78	-2.45e-04	-4.42	-10.56
		-10.56	-4.42	1.14e-04	0.0	5.0	-65.17	1.64	81.78	-2.45e-04	-0.36	-10.48
72	71	-10.92	-1.84	-9.52e-05	0.0	0.0	-63.18	1.85	84.21	-1.19e-04	-5.95	-11.01
		-11.01	-5.95	1.14e-04	0.0	5.0	-63.18	1.85	84.21	-1.19e-04	-1.84	-10.92
72	72	-6.83	0.37	-6.39e-05	0.0	0.0	-55.37	0.59	49.92	-5.87e-05	-2.23	-6.86
		-6.86	-2.23	1.13e-04	0.0	5.0	-55.37	0.59	49.92	-5.87e-05	0.37	-6.83
72	73	-7.27	-1.11	-6.70e-05	0.0	0.0	-53.38	0.80	52.35	6.75e-05	-3.75	-7.31
		-7.31	-3.75	1.13e-04	0.0	5.0	-53.38	0.80	52.35	6.75e-05	-1.11	-7.27
72	78	-8.45	2.12	-7.71e-05	0.0	0.0	-63.82	1.04	67.05	-3.96e-04	-1.81	-8.51
		-8.51	-1.81	1.14e-04	0.0	5.0	-63.82	1.04	67.05	-3.96e-04	2.12	-8.45
72	83	-10.15	-3.30	-8.90e-05	0.0	0.0	-57.42	1.72	75.89	9.35e-05	-6.96	-10.24
		-10.24	-6.96	1.14e-04	0.0	5.0	-57.42	1.72	75.89	9.35e-05	-3.30	-10.15
73	2	-0.29	1.65	-1.29e-06	0.0	0.0	-28.54	0.22	50.66	-4.00e-06	-0.89	-0.31
		-0.31	-0.89	9.51e-05	0.0	5.0	-28.54	0.22	50.66	-4.00e-06	1.65	-0.29
73	4	0.32	1.70	-3.19e-06	0.0	0.0	-44.57	0.50	58.26	-3.62e-06	-1.22	0.30
		0.30	-1.22	1.04e-04	0.0	5.0	-44.57	0.50	58.26	-3.62e-06	1.70	0.32
73	9	-2.16e-05	2.24	5.14e-06	0.0	0.0	-16.60	-0.32	67.45	-5.67e-06	-1.13	-2.16e-05
		-0.02	-1.13	1.20e-04	0.0	5.0	-16.60	-0.32	67.45	-5.67e-06	2.24	-0.02
73	12	0.56	2.62	4.76e-06	0.0	0.0	-30.27	-0.18	82.20	-6.12e-06	-1.49	0.56
		0.55	-1.49	1.46e-04	0.0	5.0	-30.27	-0.18	82.20	-6.12e-06	2.62	0.55
73	15	0.53	1.30	-4.34e-05	0.0	0.0	-29.85	3.40	77.98	-1.06e-04	-2.60	0.36
		0.36	-2.60	9.81e-05	0.0	5.0	-29.85	3.40	77.98	-1.06e-04	1.30	0.53
73	18	0.34	2.07	2.47e-06	0.0	0.0	-28.02	0.03	55.17	-9.48e-05	-0.69	0.34
		0.34	-0.69	1.16e-04	0.0	5.0	-28.02	0.03	55.17	-9.48e-05	2.07	0.34
73	19	0.31	2.07	2.48e-06	0.0	0.0	-27.81	-0.03	65.54	-4.86e-06	-1.21	0.31
		0.30	-1.21	1.16e-04	0.0	5.0	-27.81	-0.03	65.54	-4.86e-06	2.07	0.30
73	20	-0.18	0.98	-2.08e-06	0.0	0.0	-22.89	0.28	32.23	-2.34e-06	-0.63	-0.19
		-0.19	-0.63	5.83e-05	0.0	5.0	-22.89	0.28	32.23	-2.34e-06	0.98	-0.18
73	21	0.16	1.45	-1.33e-06	0.0	0.0	-30.43	0.26	46.83	-3.20e-06	-0.90	0.15
		0.15	-0.90	8.63e-05	0.0	5.0	-30.43	0.26	46.83	-3.20e-06	1.45	0.16
73	22	0.34	2.07	2.47e-06	0.0	0.0	-28.02	0.03	55.17	-9.48e-05	-0.69	0.34
		0.34	-0.69	1.16e-04	0.0	5.0	-28.02	0.03	55.17	-9.48e-05	2.07	0.34
73	24	0.49	2.96	4.02e-06	0.0	0.0	-38.23	0.15	89.65	-2.96e-06	-1.52	0.48
		0.48	-1.52	1.66e-04	0.0	5.0	-38.23	0.15	89.65	-2.96e-06	2.96	0.49
73	27	0.31	2.07	2.48e-06	0.0	0.0	-27.81	-0.03	65.54	-4.86e-06	-1.21	0.31
		0.30	-1.21	1.16e-04	0.0	5.0	-27.81	-0.03	65.54	-4.86e-06	2.07	0.30
73	28	0.49	2.96	4.03e-06	0.0	0.0	-38.28	-0.09	93.48	-6.94e-06	-1.71	0.49
		0.48	-1.71	1.66e-04	0.0	5.0	-38.28	-0.09	93.48	-6.94e-06	2.96	0.48
73	29	0.31	2.07	2.48e-06	0.0	0.0	-27.81	-0.03	65.54	-4.86e-06	-1.21	0.31
		0.30	-1.21	1.16e-04	0.0	5.0	-27.81	-0.03	65.54	-4.86e-06	2.07	0.30
73	39	-8.20	0.52	-9.67e-05	0.0	0.0	-72.96	8.88	135.81	-1.46e-04	-6.57	-8.64
		-8.64	-6.57	1.55e-04	0.0	5.0	-72.96	8.88	135.81	-1.46e-04	0.52	-8.20
73	40	-1.75	0.10	-4.95e-05	0.0	0.0	-42.32	5.53	69.24	-4.25e-05	-3.06	-2.03
		-2.03	-3.06	1.50e-04	0.0	5.0	-42.32	5.53	69.24	-4.25e-05	0.10	-1.75
73	46	-3.14	5.03	-6.83e-05	0.0	0.0	-40.63	6.09	119.37	-5.87e-04	-1.48	-3.44
		-3.44	-1.48	1.52e-04	0.0	5.0	-40.63	6.09	119.37	-5.87e-04	5.03	-3.14
73	47	-7.62	-2.70	-8.57e-05	0.0	0.0	-78.22	8.73	103.08	7.74e-05	-9.10	-8.06
		-8.06	-9.10	1.55e-04	0.0	5.0	-78.22	8.73	103.08	7.74e-05	-2.70	-7.62
73	51	-7.98	-3.15	-8.80e-05	0.0	0.0	-79.34	8.91	105.10	1.93e-04	-8.81	-7.98
		-8.43	-8.81	1.55e-04	0.0	5.0	-79.34	8.91	105.10	1.93e-04	-3.15	-7.98
73	52	-1.96	3.76	-5.81e-05	0.0	0.0	-35.95	5.50	99.95	-3.81e-04	-0.83	-2.24
		-2.24	-0.83	1.51e-04	0.0	5.0	-35.95	5.50	99.95	-3.81e-04	3.76	-1.96
73	71	-7.03	0.43	-8.81e-05	0.0	0.0	-67.45	8.27	123.53	-1.26e-04	-5.95	-7.44
		-7.44	-5.95	1.54e-04	0.0	5.0	-67.45	8.27	123.53	-1.26e-04	0.43	-7.03
73	72	-2.92	0.19	-5.81e-05	0.0	0.0	-47.83	6.13	81.51	-6.28e-05	-3.68	-3.22
		-3.22	-3.68	1.51e-04	0.0	5.0	-47.83	6.13	81.51	-6.28e-05	0.19	-2.92
73	78	-3.78	3.26	-6.97e-05	0.0	0.0	-46.74	6.48	112.84	-4.01e-04	-2.67	-4.10
		-4.10	-2.67	1.52e-04	0.0	5.0	-46.74	6.48	112.84	-4.01e-04	3.26	-3.78
73	79	-6.70	-1.63	-8.13e-05	0.0	0.0	-70.94	8.20	102.71	1.92e-05	-7.53	-7.11
		-7.11	-7.53	1.54e-04	0.0	5.0	-70.94	8.20	102.71	1.92e-05	-1.63	-6.70
73	83	-6.92	-1.88	-8.28e-05	0.0	0.0	-71.59	8.31	104.22	8.77e-05	-7.37	-7.34
		-7.34	-7.37	1.54e-04	0.0	5.0	-71.59	8.31	104.22	8.77e-05	-1.88	-6.92
73	84	-3.03	2.50	-6.33e-05	0.0	0.0	-43.69	6.10	100.83	-2.76e-04	-2.27	-3.33
		-3.33	-2.27	1.52e-04	0.0	5.0	-43.69	6.10	100.83	-2.76e-04	2.50	-3.03
74	4	0.42	-8.81	-2.61e-06	0.0	0.0	-46.45	0.99	77.31	-5.14e-06	-12.67	0.37
		0.37	-12.67	1.23e-04	0.0	5.0	-46.45	0.99	77.31	-5.14e-06	-8.81	0.42
74	7	0.05	-4.91	-1.92e-06	0.0	0.0	-25.36	0.46	42.23	-2.97e-06	-7.02	0.03
		0.03	-7.02	6.91e-05	0.0	5.0	-25.36	0.46	42.23	-2.97e-06	-4.91	0.05
74	9	-1.95	-7.99	3.53e-06	0.0	0.0	-18.72	2.20	76.87	-8.15e-06	-11.83	-2.06



		-2.06	-11.83	1.39e-04	0.0	5.0	-18.72	2.20	76.87	-8.15e-06	-7.99	-1.95
74	15	12.97	-12.83	-3.14e-05	0.0	0.0	-20.08	-2.40	113.19	-1.05e-04	-18.49	12.97
		12.85	-18.49	1.14e-04	0.0	5.0	-20.08	-2.40	113.19	-1.05e-04	-12.83	12.85
74	18	-1.06	-8.69	1.66e-06	0.0	0.0	-28.02	2.24	80.38	-9.74e-05	-12.71	-1.17
		-1.17	-12.71	1.36e-04	0.0	5.0	-28.02	2.24	80.38	-9.74e-05	-8.69	-1.06
74	19	-1.05	-8.41	1.70e-06	0.0	0.0	-29.08	1.87	78.85	-7.18e-06	-12.36	-1.14
		-1.14	-12.36	1.36e-04	0.0	5.0	-29.08	1.87	78.85	-7.18e-06	-8.41	-1.05
74	20	0.05	-4.91	-1.92e-06	0.0	0.0	-25.36	0.46	42.23	-2.97e-06	-7.02	0.03
		0.03	-7.02	6.91e-05	0.0	5.0	-25.36	0.46	42.23	-2.97e-06	-4.91	0.05
74	21	0.03	-6.89	-1.16e-06	0.0	0.0	-31.81	0.99	60.34	-4.56e-06	-9.91	-0.02
		-0.02	-9.91	1.01e-04	0.0	5.0	-31.81	0.99	60.34	-4.56e-06	-6.89	0.03
74	22	-1.06	-8.69	1.66e-06	0.0	0.0	-28.02	2.24	80.38	-9.74e-05	-12.71	-1.17
		-1.17	-12.71	1.36e-04	0.0	5.0	-28.02	2.24	80.38	-9.74e-05	-8.69	-1.06
74	28	-1.58	-11.88	2.83e-06	0.0	0.0	-39.81	2.73	111.94	-1.03e-05	-17.48	-1.72
		-1.72	-17.48	1.94e-04	0.0	5.0	-39.81	2.73	111.94	-1.03e-05	-11.88	-1.58
74	29	-1.05	-8.41	1.70e-06	0.0	0.0	-29.08	1.87	78.85	-7.18e-06	-12.36	-1.14
		-1.14	-12.36	1.36e-04	0.0	5.0	-29.08	1.87	78.85	-7.18e-06	-8.41	-1.05
74	39	16.46	-7.27	-8.16e-05	0.0	0.0	-77.11	-9.24	204.08	-1.42e-04	-17.73	16.46
		16.02	-17.73	1.82e-04	0.0	5.0	-77.11	-9.24	204.08	-1.42e-04	-7.27	16.02
74	40	7.40	-31.63	-4.23e-05	0.0	0.0	-29.76	-5.05	118.49	-3.79e-05	-37.29	7.40
		7.14	-37.29	1.74e-04	0.0	5.0	-29.76	-5.05	118.49	-3.79e-05	-31.63	7.14
74	51	14.60	-12.83	-7.49e-05	0.0	0.0	-97.05	-10.56	156.85	1.98e-04	-21.53	14.60
		14.11	-21.53	1.82e-04	0.0	5.0	-97.05	-10.56	156.85	1.98e-04	-12.83	14.11
74	52	9.27	-26.07	-4.90e-05	0.0	0.0	-9.82	-3.72	165.72	-3.79e-04	-33.50	9.27
		9.04	-33.50	1.74e-04	0.0	5.0	-9.82	-3.72	165.72	-3.79e-04	-26.07	9.04
74	71	14.81	-11.74	-7.45e-05	0.0	0.0	-68.65	-8.49	188.30	-1.21e-04	-21.31	14.81
		14.39	-21.31	1.80e-04	0.0	5.0	-68.65	-8.49	188.30	-1.21e-04	-11.74	14.39
74	72	9.06	-27.16	-4.95e-05	0.0	0.0	-38.22	-5.80	134.26	-5.89e-05	-33.72	9.06
		8.76	-33.72	1.76e-04	0.0	5.0	-38.22	-5.80	134.26	-5.89e-05	-27.16	8.76
74	83	13.65	-15.18	-7.04e-05	0.0	0.0	-81.41	-9.34	158.75	9.28e-05	-23.64	13.65
		13.21	-23.64	1.81e-04	0.0	5.0	-81.41	-9.34	158.75	9.28e-05	-15.18	13.21
74	84	10.21	-23.72	-5.35e-05	0.0	0.0	-25.46	-4.95	163.81	-2.73e-04	-31.39	10.21
		9.95	-31.39	1.75e-04	0.0	5.0	-25.46	-4.95	163.81	-2.73e-04	-23.72	9.95
78	3	-2.63	-1.27	1.08e-05	0.0	0.0	-41.09	2.19	77.84	-4.87e-06	-5.16	-2.74
		-2.74	-5.16	1.74e-04	0.0	5.0	-41.09	2.19	77.84	-4.87e-06	-1.27	-2.63
78	4	0.07	-0.43	4.67e-06	0.0	0.0	-53.46	1.22	50.78	-2.57e-06	-2.97	0.01
		0.01	-2.97	1.21e-04	0.0	5.0	-53.46	1.22	50.78	-2.57e-06	-0.43	0.07
78	8	-1.60	-0.80	6.88e-06	0.0	0.0	-30.28	1.34	40.06	-2.82e-06	-2.80	-1.66
		-1.66	-2.80	9.17e-05	0.0	5.0	-30.28	1.34	40.06	-2.82e-06	-0.80	-1.60
78	13	-1.13	-1.01	8.19e-06	0.0	0.0	-50.93	1.67	96.87	-9.82e-05	-5.85	-1.22
		-1.22	-5.85	1.99e-04	0.0	5.0	-50.93	1.67	96.87	-9.82e-05	-1.01	-1.13
78	15	7.90	2.47	-1.21e-05	0.0	0.0	-38.58	-0.91	-18.16	-7.47e-05	2.47	7.90
		7.85	1.56	7.04e-05	0.0	5.0	-38.58	-0.91	-18.16	-7.47e-05	1.56	7.85
78	18	-0.86	-0.73	5.99e-06	0.0	0.0	-37.04	1.23	67.89	-6.57e-05	-4.12	-0.92
		-0.92	-4.12	1.40e-04	0.0	5.0	-37.04	1.23	67.89	-6.57e-05	-0.73	-0.86
78	19	-0.88	-0.65	5.99e-06	0.0	0.0	-38.36	1.39	59.25	-3.28e-06	-3.62	-0.95
		-0.95	-3.62	1.40e-04	0.0	5.0	-38.36	1.39	59.25	-3.28e-06	-0.65	-0.88
78	20	-1.03	-0.59	5.38e-06	0.0	0.0	-30.84	1.11	33.13	-2.10e-06	-2.25	-1.09
		-1.09	-2.25	7.14e-05	0.0	5.0	-30.84	1.11	33.13	-2.10e-06	-0.59	-1.03
78	21	-0.43	-0.48	4.65e-06	0.0	0.0	-38.35	1.08	41.79	-2.41e-06	-2.57	-0.48
		-0.48	-2.57	1.01e-04	0.0	5.0	-38.35	1.08	41.79	-2.41e-06	-0.48	-0.43
78	22	-0.86	-0.73	5.99e-06	0.0	0.0	-37.04	1.23	67.89	-6.57e-05	-4.12	-0.92
		-0.92	-4.12	1.40e-04	0.0	5.0	-37.04	1.23	67.89	-6.57e-05	-0.73	-0.86
78	27	-0.88	-0.65	5.99e-06	0.0	0.0	-38.36	1.39	59.25	-3.28e-06	-3.62	-0.95
		-0.95	-3.62	1.40e-04	0.0	5.0	-38.36	1.39	59.25	-3.28e-06	-0.65	-0.88
78	28	-1.16	-0.89	8.17e-06	0.0	0.0	-52.91	1.91	83.90	-4.61e-06	-5.09	-1.26
		-1.26	-5.09	1.99e-04	0.0	5.0	-52.91	1.91	83.90	-4.61e-06	-0.89	-1.16
78	29	-0.88	-0.65	5.99e-06	0.0	0.0	-38.36	1.39	59.25	-3.28e-06	-3.62	-0.95
		-0.95	-3.62	1.40e-04	0.0	5.0	-38.36	1.39	59.25	-3.28e-06	-0.65	-0.88
78	39	12.10	-3.54	-1.41e-05	0.0	0.0	-43.99	2.04	-60.34	-1.04e-04	-3.54	12.00
		12.00	-6.55	1.28e-04	0.0	5.0	-43.99	2.04	-60.34	-1.04e-04	-6.55	12.10
78	40	5.00	9.83	-9.88e-06	0.0	0.0	-45.42	-1.09	48.84	-2.98e-05	7.39	5.00
		4.95	7.39	1.31e-04	0.0	5.0	-45.42	-1.09	48.84	-2.98e-05	9.83	4.95
78	47	10.41	-2.40	-1.31e-05	0.0	0.0	-47.26	1.87	-36.55	5.19e-05	-2.40	10.33
		10.33	-4.22	1.28e-04	0.0	5.0	-47.26	1.87	-36.55	5.19e-05	-4.22	10.41
78	48	6.67	7.49	-1.09e-05	0.0	0.0	-42.15	-0.93	25.05	-1.86e-04	6.26	6.67
		6.64	6.26	1.30e-04	0.0	5.0	-42.15	-0.93	25.05	-1.86e-04	7.49	6.64
78	71	10.79	-1.55	-1.34e-05	0.0	0.0	-44.27	1.47	-40.40	-8.98e-05	-1.55	10.72
		10.72	-3.57	1.28e-04	0.0	5.0	-44.27	1.47	-40.40	-8.98e-05	-3.57	10.79
78	72	6.28	6.85	-1.07e-05	0.0	0.0	-45.13	-0.53	28.90	-4.44e-05	5.41	6.28
		6.25	5.41	1.30e-04	0.0	5.0	-45.13	-0.53	28.90	-4.44e-05	6.85	6.25
78	79	9.74	-0.85	-1.27e-05	0.0	0.0	-46.39	1.38	-25.45	1.15e-05	-0.85	9.68
		9.68	-2.11	1.28e-04	0.0	5.0	-46.39	1.38	-25.45	1.15e-05	-2.11	9.74
78	80	7.32	5.39	-1.13e-05	0.0	0.0	-43.01	-0.44	13.96	-1.46e-04	4.70	7.32
		7.31	4.70	1.30e-04	0.0	5.0	-43.01	-0.44	13.96	-1.46e-04	5.39	7.31
79	3	-1.84	-0.80	4.98e-06	0.0	0.0	-28.58	0.80	76.45	-3.23e-06	-4.62	-1.88
		-1.88	-4.62	1.71e-04	0.0	5.0	-28.58	0.80	76.45	-3.23e-06	-0.80	-1.84

79	4	1.04	-0.46	-1.27e-06	0.0	0.0	-50.77	0.09	56.27	-1.46e-06	-3.27	1.04
		1.04	-3.27	1.22e-04	0.0	5.0	-50.77	0.09	56.27	-1.46e-06	-0.46	1.04
79	9	-1.65	-0.71	4.46e-06	0.0	0.0	-20.32	0.71	65.27	-2.80e-06	-3.98	-1.68
		-1.68	-3.98	1.47e-04	0.0	5.0	-20.32	0.71	65.27	-2.80e-06	-0.71	-1.65
79	13	-0.04	-1.07	1.71e-06	0.0	0.0	-45.57	0.68	101.06	-6.72e-05	-6.12	-0.07
		-0.07	-6.12	1.99e-04	0.0	5.0	-45.57	0.68	101.06	-6.72e-05	-1.07	-0.04
79	15	9.91	-0.08	-1.52e-05	0.0	0.0	-29.39	-0.83	21.30	-5.08e-05	-1.15	9.91
		9.86	-1.15	8.29e-05	0.0	5.0	-29.39	-0.83	21.30	-5.08e-05	-0.08	9.86
79	18	-0.08	-0.74	1.29e-06	0.0	0.0	-32.74	0.48	70.57	-4.49e-05	-4.26	-0.10
		-0.10	-4.26	1.39e-04	0.0	5.0	-32.74	0.48	70.57	-4.49e-05	-0.74	-0.08
79	19	-0.09	-0.65	1.29e-06	0.0	0.0	-34.04	0.40	62.93	-2.14e-06	-3.79	-0.11
		-0.11	-3.79	1.39e-04	0.0	5.0	-34.04	0.40	62.93	-2.14e-06	-0.65	-0.09
79	20	-0.55	-0.24	1.48e-06	0.0	0.0	-23.58	0.24	31.94	-1.23e-06	-1.84	-0.56
		-0.56	-1.84	7.00e-05	0.0	5.0	-23.58	0.24	31.94	-1.23e-06	-0.24	-0.55
79	21	0.27	-0.33	0.0	0.0	0.0	-36.07	0.17	44.52	-1.43e-06	-2.55	0.26
		0.26	-2.55	1.01e-04	0.0	5.0	-36.07	0.17	44.52	-1.43e-06	-0.33	0.27
79	22	-0.08	-0.74	1.29e-06	0.0	0.0	-32.74	0.48	70.57	-4.49e-05	-4.26	-0.10
		-0.10	-4.26	1.39e-04	0.0	5.0	-32.74	0.48	70.57	-4.49e-05	-0.74	-0.08
79	27	-0.09	-0.65	1.29e-06	0.0	0.0	-34.04	0.40	62.93	-2.14e-06	-3.79	-0.11
		-0.11	-3.79	1.39e-04	0.0	5.0	-34.04	0.40	62.93	-2.14e-06	-0.65	-0.09
79	28	-0.05	-0.93	1.71e-06	0.0	0.0	-47.52	0.56	89.60	-3.03e-06	-5.41	-0.08
		-0.08	-5.41	1.99e-04	0.0	5.0	-47.52	0.56	89.60	-3.03e-06	-0.93	-0.05
79	29	-0.09	-0.65	1.29e-06	0.0	0.0	-34.04	0.40	62.93	-2.14e-06	-3.79	-0.11
		-0.11	-3.79	1.39e-04	0.0	5.0	-34.04	0.40	62.93	-2.14e-06	-0.65	-0.09
79	34	12.66	-1.14	-1.77e-05	0.0	0.0	-41.79	0.07	38.16	-3.33e-04	-3.11	12.66
		12.66	-3.11	1.43e-04	0.0	5.0	-41.79	0.07	38.16	-3.33e-04	-1.14	12.66
79	37	8.73	0.31	-1.26e-05	0.0	0.0	-31.90	1.19	55.39	2.41e-04	-2.40	8.67
		8.67	-2.40	1.42e-04	0.0	5.0	-31.90	1.19	55.39	2.41e-04	0.31	8.73
79	39	11.70	-3.78	-1.89e-05	0.0	0.0	-53.72	-0.29	31.98	-7.12e-05	-5.39	11.70
		11.69	-5.39	1.43e-04	0.0	5.0	-53.72	-0.29	31.98	-7.12e-05	-3.78	11.69
79	40	9.70	2.94	-1.14e-05	0.0	0.0	-19.97	1.56	61.57	-2.02e-05	-0.12	9.63
		9.63	-0.12	1.43e-04	0.0	5.0	-19.97	1.56	61.57	-2.02e-05	2.94	9.70
79	51	10.56	-5.09	-1.74e-05	0.0	0.0	-52.23	0.06	37.06	9.05e-05	-6.97	10.55
		10.55	-6.97	1.43e-04	0.0	5.0	-52.23	0.06	37.06	9.05e-05	-5.09	10.56
79	52	10.83	4.26	-1.29e-05	0.0	0.0	-21.46	1.20	56.49	-1.82e-04	1.46	10.78
		10.78	1.46	1.43e-04	0.0	5.0	-21.46	1.20	56.49	-1.82e-04	4.26	10.83
79	66	11.88	-0.86	-1.67e-05	0.0	0.0	-39.95	0.29	41.58	-2.20e-04	-2.98	11.87
		11.87	-2.98	1.43e-04	0.0	5.0	-39.95	0.29	41.58	-2.20e-04	-0.86	11.88
79	69	9.51	0.03	-1.36e-05	0.0	0.0	-33.74	0.97	51.97	1.28e-04	-2.53	9.46
		9.46	-2.53	1.43e-04	0.0	5.0	-33.74	0.97	51.97	1.28e-04	0.03	9.51
79	71	11.32	-2.57	-1.75e-05	0.0	0.0	-47.60	0.04	37.38	-6.12e-05	-4.45	11.32
		11.32	-4.45	1.43e-04	0.0	5.0	-47.60	0.04	37.38	-6.12e-05	-2.57	11.32
79	72	10.07	1.74	-1.28e-05	0.0	0.0	-26.09	1.22	56.17	-3.02e-05	-1.06	10.01
		10.01	-1.06	1.43e-04	0.0	5.0	-26.09	1.22	56.17	-3.02e-05	1.74	10.07
79	83	10.62	-3.42	-1.66e-05	0.0	0.0	-46.80	0.26	40.49	4.06e-05	-5.46	10.59
		10.59	-5.46	1.43e-04	0.0	5.0	-46.80	0.26	40.49	4.06e-05	-3.42	10.62
79	84	10.77	2.59	-1.37e-05	0.0	0.0	-26.90	1.00	53.05	-1.32e-04	-0.04	10.73
		10.73	-0.04	1.43e-04	0.0	5.0	-26.90	1.00	53.05	-1.32e-04	2.59	10.77
80	3	-2.47	0.06	6.83e-06	0.0	0.0	-28.72	1.75	80.97	-4.17e-06	-3.99	-2.55
		-2.55	-3.99	1.68e-04	0.0	5.0	-28.72	1.75	80.97	-4.17e-06	0.06	-2.47
80	5	0.39	-0.34	2.04e-06	0.0	0.0	-53.83	1.24	72.31	-2.79e-06	-3.95	0.33
		0.33	-3.95	1.42e-04	0.0	5.0	-53.83	1.24	72.31	-2.79e-06	-0.34	0.39
80	13	-1.41	-0.56	5.63e-06	0.0	0.0	-50.37	2.10	99.18	-6.87e-05	-5.52	-1.51
		-1.51	-5.52	1.97e-04	0.0	5.0	-50.37	2.10	99.18	-6.87e-05	-0.56	-1.41
80	15	11.28	0.21	-1.59e-05	0.0	0.0	-8.13	0.26	55.78	-5.10e-05	-2.58	11.27
		11.27	-2.58	9.67e-05	0.0	5.0	-8.13	0.26	55.78	-5.10e-05	0.21	11.28
80	18	-0.95	-0.37	3.92e-06	0.0	0.0	-35.82	1.47	69.59	-4.59e-05	-3.84	-1.02
		-1.02	-3.84	1.39e-04	0.0	5.0	-35.82	1.47	69.59	-4.59e-05	-0.37	-0.95
80	19	-0.95	-0.28	3.93e-06	0.0	0.0	-37.06	1.32	70.51	-3.08e-06	-3.81	-1.02
		-1.02	-3.81	1.39e-04	0.0	5.0	-37.06	1.32	70.51	-3.08e-06	-0.28	-0.95
80	20	-0.13	0.07	1.61e-06	0.0	0.0	-22.37	0.69	34.70	-1.50e-06	-1.66	-0.17
		-0.17	-1.66	6.93e-05	0.0	5.0	-22.37	0.69	34.70	-1.50e-06	0.07	-0.13
80	21	0.25	-0.22	1.52e-06	0.0	0.0	-38.13	0.90	51.68	-2.01e-06	-2.80	0.20
		0.20	-2.80	1.02e-04	0.0	5.0	-38.13	0.90	51.68	-2.01e-06	-0.22	0.25
80	22	-0.95	-0.37	3.92e-06	0.0	0.0	-35.82	1.47	69.59	-4.59e-05	-3.84	-1.02
		-1.02	-3.84	1.39e-04	0.0	5.0	-35.82	1.47	69.59	-4.59e-05	-0.37	-0.95
80	28	-1.41	-0.44	5.66e-06	0.0	0.0	-52.24	1.87	100.55	-4.39e-06	-5.46	-1.51
		-1.51	-5.46	1.97e-04	0.0	5.0	-52.24	1.87	100.55	-4.39e-06	-0.44	-1.41
80	29	-0.95	-0.28	3.93e-06	0.0	0.0	-37.06	1.32	70.51	-3.08e-06	-3.81	-1.02
		-1.02	-3.81	1.39e-04	0.0	5.0	-37.06	1.32	70.51	-3.08e-06	-0.28	-0.95
80	38	17.36	-3.05	-1.21e-05	0.0	0.0	48.33	6.20	78.73	-1.67e-04	-6.98	17.07
		17.07	-6.98	1.56e-04	0.0	5.0	48.33	6.20	78.73	-1.67e-04	-3.05	17.36
80	39	18.72	-7.09	-1.19e-05	0.0	0.0	43.29	5.70	74.81	-7.20e-05	-10.83	18.41
		18.41	-10.83	1.57e-04	0.0	5.0	43.29	5.70	74.81	-7.20e-05	-7.09	18.72
80	40	7.71	7.95	-1.35e-05	0.0	0.0	-6.39	1.68	71.55	-2.11e-05	4.37	7.65
		7.65	4.37	1.56e-04	0.0	5.0	-6.39	1.68	71.55	-2.11e-05	7.95	7.71
80	41	9.07	3.91	-1.33e-05	0.0	0.0	-11.42	1.18	67.62	7.40e-05	0.51	8.99

		8.99	0.51	1.57e-04	0.0	5.0	-11.42	1.18	67.62	7.40e-05	3.91	9.07
80	51	16.93	-7.95	-1.22e-05	0.0	0.0	18.27	3.54	67.71	9.00e-05	-11.35	16.67
		16.67	-11.35	1.57e-04	0.0	5.0	18.27	3.54	67.71	9.00e-05	-7.95	16.93
80	52	9.50	8.81	-1.32e-05	0.0	0.0	18.64	3.85	78.64	-1.83e-04	4.89	9.39
		9.39	4.89	1.56e-04	0.0	5.0	18.64	3.85	78.64	-1.83e-04	8.81	9.50
80	70	15.81	-1.76	-1.23e-05	0.0	0.0	37.45	5.29	76.66	-1.22e-04	-5.59	15.57
		15.57	-5.59	1.56e-04	0.0	5.0	37.45	5.29	76.66	-1.22e-04	-1.76	15.81
80	71	16.71	-4.38	-1.22e-05	0.0	0.0	34.01	4.95	74.18	-6.20e-05	-8.08	16.45
		16.45	-8.08	1.57e-04	0.0	5.0	34.01	4.95	74.18	-6.20e-05	-4.38	16.71
80	72	9.72	5.23	-1.32e-05	0.0	0.0	2.90	2.43	72.18	-3.11e-05	1.62	9.61
		9.61	1.62	1.56e-04	0.0	5.0	2.90	2.43	72.18	-3.11e-05	5.23	9.72
80	73	10.62	2.62	-1.31e-05	0.0	0.0	-0.54	2.09	69.69	2.91e-05	-0.88	10.49
		10.49	-0.88	1.56e-04	0.0	5.0	-0.54	2.09	69.69	2.91e-05	2.62	10.62
80	83	15.62	-4.98	-1.23e-05	0.0	0.0	17.90	3.55	69.71	4.00e-05	-8.47	15.39
		15.39	-8.47	1.57e-04	0.0	5.0	17.90	3.55	69.71	4.00e-05	-4.98	15.62
80	84	10.80	5.83	-1.31e-05	0.0	0.0	19.00	3.83	76.64	-1.33e-04	2.01	10.67
		10.67	2.01	1.56e-04	0.0	5.0	19.00	3.83	76.64	-1.33e-04	5.83	10.80
81	6	0.10	-0.80	6.74e-06	0.0	0.0	-54.17	0.22	86.13	-3.20e-06	-5.11	0.09
		0.09	-5.11	1.68e-04	0.0	5.0	-54.17	0.22	86.13	-3.20e-06	-0.80	0.10
81	7	-0.06	-0.08	1.66e-06	0.0	0.0	-23.53	0.05	29.25	-1.07e-06	-1.54	-0.06
		-0.06	-1.54	5.85e-05	0.0	5.0	-23.53	0.05	29.25	-1.07e-06	-0.08	-0.06
81	13	0.13	-0.93	6.72e-06	0.0	0.0	-54.67	0.46	70.53	-6.74e-05	-4.46	0.10
		0.10	-4.46	1.68e-04	0.0	5.0	-54.67	0.46	70.53	-6.74e-05	-0.93	0.13
81	14	-0.03	-0.60	1.53e-06	0.0	0.0	-56.32	0.48	42.97	-6.62e-05	-2.75	-0.06
		-0.06	-2.75	1.21e-04	0.0	5.0	-56.32	0.48	42.97	-6.62e-05	-0.60	-0.03
81	15	-0.85	-0.16	-2.61e-05	0.0	0.0	-18.06	0.63	46.48	-5.05e-05	-2.49	-0.88
		-0.88	-2.49	8.33e-05	0.0	5.0	-18.06	0.63	46.48	-5.05e-05	-0.16	-0.85
81	18	0.08	-0.63	4.65e-06	0.0	0.0	-38.80	0.31	49.94	-4.51e-05	-3.13	0.06
		0.06	-3.13	1.18e-04	0.0	5.0	-38.80	0.31	49.94	-4.51e-05	-0.63	0.08
81	19	0.06	-0.54	4.66e-06	0.0	0.0	-38.47	0.15	60.34	-2.24e-06	-3.56	0.05
		0.05	-3.56	1.18e-04	0.0	5.0	-38.47	0.15	60.34	-2.24e-06	-0.54	0.06
81	20	-0.06	-0.08	1.66e-06	0.0	0.0	-23.53	0.05	29.25	-1.07e-06	-1.54	-0.06
		-0.06	-1.54	5.85e-05	0.0	5.0	-23.53	0.05	29.25	-1.07e-06	-0.08	-0.06
81	21	-0.04	-0.33	1.20e-06	0.0	0.0	-39.57	0.17	41.97	-1.43e-06	-2.43	-0.05
		-0.05	-2.43	8.64e-05	0.0	5.0	-39.57	0.17	41.97	-1.43e-06	-0.33	-0.04
81	22	0.08	-0.63	4.65e-06	0.0	0.0	-38.80	0.31	49.94	-4.51e-05	-3.13	0.06
		0.06	-3.13	1.18e-04	0.0	5.0	-38.80	0.31	49.94	-4.51e-05	-0.63	0.08
81	27	0.06	-0.54	4.66e-06	0.0	0.0	-38.47	0.15	60.34	-2.24e-06	-3.56	0.05
		0.05	-3.56	1.18e-04	0.0	5.0	-38.47	0.15	60.34	-2.24e-06	-0.54	0.06
81	28	0.10	-0.80	6.74e-06	0.0	0.0	-54.17	0.22	86.13	-3.20e-06	-5.11	0.09
		0.09	-5.11	1.68e-04	0.0	5.0	-54.17	0.22	86.13	-3.20e-06	-0.80	0.10
81	29	0.06	-0.54	4.66e-06	0.0	0.0	-38.47	0.15	60.34	-2.24e-06	-3.56	0.05
		0.05	-3.56	1.18e-04	0.0	5.0	-38.47	0.15	60.34	-2.24e-06	-0.54	0.06
81	38	-1.47	4.19	-2.77e-05	0.0	0.0	1.95	-1.02	82.02	-1.62e-04	0.14	-1.47
		-1.52	0.14	1.37e-04	0.0	5.0	1.95	-1.02	82.02	-1.62e-04	4.19	-1.52
81	39	-2.01	4.83	-2.87e-05	0.0	0.0	0.53	-1.46	77.76	-6.74e-05	0.89	-2.01
		-2.08	0.89	1.37e-04	0.0	5.0	0.53	-1.46	77.76	-6.74e-05	4.83	-2.08
81	40	0.88	-1.72	-2.05e-05	0.0	0.0	-13.19	1.18	58.97	-1.89e-05	-4.62	0.83
		0.83	-4.62	1.36e-04	0.0	5.0	-13.19	1.18	58.97	-1.89e-05	-1.72	0.88
81	41	0.32	-1.08	-2.15e-05	0.0	0.0	-14.61	0.74	54.72	7.61e-05	-3.87	0.28
		0.28	-3.87	1.37e-04	0.0	5.0	-14.61	0.74	54.72	7.61e-05	-1.08	0.32
81	70	-1.14	3.21	-2.65e-05	0.0	0.0	-1.06	-0.69	76.93	-1.18e-04	-0.61	-1.14
		-1.18	-0.61	1.37e-04	0.0	5.0	-1.06	-0.69	76.93	-1.18e-04	3.21	-1.18
81	71	-1.49	3.63	-2.72e-05	0.0	0.0	-2.04	-0.98	74.29	-5.79e-05	-0.11	-1.49
		-1.54	-0.11	1.37e-04	0.0	5.0	-2.04	-0.98	74.29	-5.79e-05	3.63	-1.54
81	72	0.35	-0.53	-2.20e-05	0.0	0.0	-10.62	0.70	62.45	-2.84e-05	-3.62	0.31
		0.31	-3.62	1.37e-04	0.0	5.0	-10.62	0.70	62.45	-2.84e-05	-0.53	0.35
81	73	-0.02	-0.10	-2.26e-05	0.0	0.0	-11.59	0.41	59.80	3.17e-05	-3.12	-0.04
		-0.04	-3.12	1.37e-04	0.0	5.0	-11.59	0.41	59.80	3.17e-05	-0.10	-0.02
82	3	0.46	-0.83	6.44e-06	0.0	0.0	-29.12	0.46	66.28	-2.64e-06	-4.14	0.44
		0.44	-4.14	1.47e-04	0.0	5.0	-29.12	0.46	66.28	-2.64e-06	-0.83	0.46
82	9	0.41	-0.81	5.78e-06	0.0	0.0	-20.70	0.38	57.26	-2.28e-06	-3.67	0.39
		0.39	-3.67	1.26e-04	0.0	5.0	-20.70	0.38	57.26	-2.28e-06	-0.81	0.41
82	10	-0.33	-0.20	-3.04e-06	0.0	0.0	-42.77	0.54	35.81	-1.01e-06	-1.99	-0.36
		-0.36	-1.99	8.21e-05	0.0	5.0	-42.77	0.54	35.81	-1.01e-06	-0.20	-0.33
82	14	-0.20	-0.33	0.0	0.0	0.0	-52.17	0.83	48.08	-6.60e-05	-2.73	-0.24
		-0.24	-2.73	1.20e-04	0.0	5.0	-52.17	0.83	48.08	-6.60e-05	-0.33	-0.20
82	15	0.14	0.14	-2.42e-05	0.0	0.0	-20.96	1.06	21.13	-5.04e-05	-0.92	0.09
		0.09	-0.92	7.05e-05	0.0	5.0	-20.96	1.06	21.13	-5.04e-05	0.14	0.14
82	18	5.95e-03	-0.74	1.19e-06	0.0	0.0	-34.62	0.67	51.96	-4.46e-05	-3.33	-0.03
		-0.03	-3.33	1.19e-04	0.0	5.0	-34.62	0.67	51.96	-4.46e-05	-0.74	5.95e-03
82	19	2.03e-03	-0.65	1.20e-06	0.0	0.0	-34.29	0.53	53.45	-1.85e-06	-3.33	-0.02
		-0.02	-3.33	1.19e-04	0.0	5.0	-34.29	0.53	53.45	-1.85e-06	-0.65	2.03e-03
82	20	0.15	-0.06	1.89e-06	0.0	0.0	-24.05	0.25	25.77	-1.02e-06	-1.34	0.14
		0.14	-1.34	5.90e-05	0.0	5.0	-24.05	0.25	25.77	-1.02e-06	-0.06	0.15
82	21	-0.12	-0.14	0.0	0.0	0.0	-36.86	0.44	36.13	-1.29e-06	-1.95	-0.15
		-0.15	-1.95	8.62e-05	0.0	5.0	-36.86	0.44	36.13	-1.29e-06	-0.14	-0.12

82	22	5.95e-03	-0.74	1.19e-06	0.0	0.0	-34.62	0.67	51.96	-4.46e-05	-3.33	-0.03
		-0.03	-3.33	1.19e-04	0.0	5.0	-34.62	0.67	51.96	-4.46e-05	-0.74	5.95e-03
82	24	-0.02	-0.98	1.48e-06	0.0	0.0	-47.84	0.85	77.90	0.0	-4.87	-0.06
		-0.06	-4.87	1.70e-04	0.0	5.0	-47.84	0.85	77.90	0.0	-0.98	-0.02
82	27	2.03e-03	-0.65	1.20e-06	0.0	0.0	-34.29	0.53	53.45	-1.85e-06	-3.33	-0.02
		-0.02	-3.33	1.19e-04	0.0	5.0	-34.29	0.53	53.45	-1.85e-06	-0.65	2.03e-03
82	28	-0.02	-0.97	1.51e-06	0.0	0.0	-47.83	0.75	76.32	-2.63e-06	-4.79	-0.06
		-0.06	-4.79	1.70e-04	0.0	5.0	-47.83	0.75	76.32	-2.63e-06	-0.97	-0.02
82	29	2.03e-03	-0.65	1.20e-06	0.0	0.0	-34.29	0.53	53.45	-1.85e-06	-3.33	-0.02
		-0.02	-3.33	1.19e-04	0.0	5.0	-34.29	0.53	53.45	-1.85e-06	-0.65	2.03e-03
82	38	1.70	-1.92	-2.90e-05	0.0	0.0	-20.37	2.40	29.73	-1.63e-04	-3.48	1.59
		1.59	-3.48	1.23e-04	0.0	5.0	-20.37	2.40	29.73	-1.63e-04	-1.92	1.70
82	39	2.03	-2.22	-2.98e-05	0.0	0.0	-19.00	2.22	24.12	-6.80e-05	-3.35	1.91
		1.91	-3.35	1.23e-04	0.0	5.0	-19.00	2.22	24.12	-6.80e-05	-2.22	2.03
82	40	-0.72	1.00	-2.01e-05	0.0	0.0	-30.93	0.37	58.37	-1.87e-05	-2.00	-0.73
		-0.73	-2.00	1.23e-04	0.0	5.0	-30.93	0.37	58.37	-1.87e-05	1.00	-0.72
82	44	-0.69	1.01	-2.03e-05	0.0	0.0	-30.74	0.34	57.89	-3.27e-06	-1.99	-0.70
		-0.70	-1.99	1.23e-04	0.0	5.0	-30.74	0.34	57.89	-3.27e-06	1.01	-0.69
82	70	1.31	-1.43	-2.75e-05	0.0	0.0	-22.08	2.00	34.01	-1.18e-04	-3.19	1.22
		1.22	-3.19	1.23e-04	0.0	5.0	-22.08	2.00	34.01	-1.18e-04	-1.43	1.31
82	71	1.53	-1.63	-2.80e-05	0.0	0.0	-21.17	1.87	30.35	-5.84e-05	-3.10	1.43
		1.43	-3.10	1.23e-04	0.0	5.0	-21.17	1.87	30.35	-5.84e-05	-1.63	1.53
82	72	-0.22	0.41	-2.18e-05	0.0	0.0	-28.76	0.71	52.14	-2.84e-05	-2.25	-0.25
		-0.25	-2.25	1.23e-04	0.0	5.0	-28.76	0.71	52.14	-2.84e-05	0.41	-0.22
82	76	-0.20	0.42	-2.20e-05	0.0	0.0	-28.63	0.69	51.84	-1.89e-05	-2.24	-0.23
		-0.23	-2.24	1.23e-04	0.0	5.0	-28.63	0.69	51.84	-1.89e-05	0.42	-0.20
83	2	1.08	-0.47	1.04e-05	0.0	0.0	-41.80	-0.54	37.53	-2.29e-06	-2.34	1.08
		1.05	-2.34	9.92e-05	0.0	5.0	-41.80	-0.54	37.53	-2.29e-06	-0.47	1.05
83	12	0.14	-0.13	6.85e-06	0.0	0.0	-45.37	-0.01	59.82	-2.92e-06	-3.12	0.14
		0.14	-3.12	1.49e-04	0.0	5.0	-45.37	-0.01	59.82	-2.92e-06	-0.13	0.14
83	13	0.36	-0.32	9.01e-06	0.0	0.0	-56.71	0.27	65.46	-9.91e-05	-3.60	0.35
		0.35	-3.60	1.70e-04	0.0	5.0	-56.71	0.27	65.46	-9.91e-05	-0.32	0.36
83	15	0.99	1.76	-1.93e-05	0.0	0.0	-29.69	0.82	-5.53	-7.50e-05	1.76	0.95
		0.95	1.48	5.88e-05	0.0	5.0	-29.69	0.82	-5.53	-7.50e-05	1.48	0.99
83	18	0.31	-0.24	6.63e-06	0.0	0.0	-40.92	0.15	45.99	-6.62e-05	-2.54	0.30
		0.30	-2.54	1.19e-04	0.0	5.0	-40.92	0.15	45.99	-6.62e-05	-0.24	0.31
83	19	0.33	-0.17	6.65e-06	0.0	0.0	-40.61	-0.12	47.73	-2.38e-06	-2.55	0.33
		0.32	-2.55	1.19e-04	0.0	5.0	-40.61	-0.12	47.73	-2.38e-06	-0.17	0.32
83	20	0.71	-0.24	6.25e-06	0.0	0.0	-31.10	-0.33	23.54	-1.29e-06	-1.42	0.71
		0.70	-1.42	5.99e-05	0.0	5.0	-31.10	-0.33	23.54	-1.29e-06	-0.24	0.70
83	21	0.71	-0.15	4.94e-06	0.0	0.0	-38.42	-0.20	32.28	-1.62e-06	-1.77	0.71
		0.70	-1.77	8.62e-05	0.0	5.0	-38.42	-0.20	32.28	-1.62e-06	-0.15	0.70
83	22	0.31	-0.24	6.63e-06	0.0	0.0	-40.92	0.15	45.99	-6.62e-05	-2.54	0.30
		0.30	-2.54	1.19e-04	0.0	5.0	-40.92	0.15	45.99	-6.62e-05	-0.24	0.31
83	24	0.38	-0.21	9.00e-06	0.0	0.0	-56.27	0.06	72.73	0.0	-3.85	0.38
		0.38	-3.85	1.70e-04	0.0	5.0	-56.27	0.06	72.73	0.0	-0.21	0.38
83	27	0.33	-0.17	6.65e-06	0.0	0.0	-40.61	-0.12	47.73	-2.38e-06	-2.55	0.33
		0.32	-2.55	1.19e-04	0.0	5.0	-40.61	-0.12	47.73	-2.38e-06	-0.17	0.32
83	28	0.39	-0.21	9.04e-06	0.0	0.0	-56.25	-0.13	68.06	-3.37e-06	-3.61	0.39
		0.38	-3.61	1.70e-04	0.0	5.0	-56.25	-0.13	68.06	-3.37e-06	-0.21	0.38
83	29	0.33	-0.17	6.65e-06	0.0	0.0	-40.61	-0.12	47.73	-2.38e-06	-2.55	0.33
		0.32	-2.55	1.19e-04	0.0	5.0	-40.61	-0.12	47.73	-2.38e-06	-0.17	0.32
83	39	-0.65	0.54	-2.51e-05	0.0	0.0	-41.86	-0.54	-39.98	-1.01e-04	0.54	-0.65
		-0.67	-1.65	1.09e-04	0.0	5.0	-41.86	-0.54	-39.98	-1.01e-04	-1.65	-0.67
83	40	2.33	4.83	-1.45e-05	0.0	0.0	-33.08	2.34	53.73	-2.85e-05	1.94	2.21
		2.21	1.94	1.11e-04	0.0	5.0	-33.08	2.34	53.73	-2.85e-05	4.83	2.33
83	71	-0.12	0.81	-2.32e-05	0.0	0.0	-40.25	-0.02	-22.84	-8.69e-05	0.81	-0.12
		-0.12	-0.47	1.09e-04	0.0	5.0	-40.25	-0.02	-22.84	-8.69e-05	-0.47	-0.12
83	72	1.78	3.64	-1.64e-05	0.0	0.0	-34.68	1.82	36.58	-4.28e-05	1.68	1.69
		1.69	1.68	1.11e-04	0.0	5.0	-34.68	1.82	36.58	-4.28e-05	3.64	1.78
84	2	1.79	-0.12	1.11e-05	0.0	0.0	-40.58	0.33	25.49	-1.65e-06	-1.39	1.77
		1.77	-1.39	7.31e-05	0.0	5.0	-40.58	0.33	25.49	-1.65e-06	-0.12	1.79
84	8	1.41	-0.10	8.80e-06	0.0	0.0	-29.89	0.28	20.33	-1.33e-06	-1.12	1.40
		1.40	-1.12	5.81e-05	0.0	5.0	-29.89	0.28	20.33	-1.33e-06	-0.10	1.41
84	9	0.92	1.59	1.24e-05	0.0	0.0	-39.00	-0.07	40.96	-2.59e-06	-0.45	0.92
		0.92	-0.45	9.43e-05	0.0	5.0	-39.00	-0.07	40.96	-2.59e-06	1.59	0.92
84	15	-0.55	0.74	-2.74e-05	0.0	0.0	-35.81	-0.62	-8.80	-7.45e-05	0.74	-0.55
		-0.58	0.30	4.20e-05	0.0	5.0	-35.81	-0.62	-8.80	-7.45e-05	0.30	-0.58
84	18	0.78	1.04	6.89e-06	0.0	0.0	-44.27	0.08	32.02	-6.70e-05	-0.56	0.77
		0.77	-0.56	8.74e-05	0.0	5.0	-44.27	0.08	32.02	-6.70e-05	1.04	0.78
84	19	0.78	1.04	6.91e-06	0.0	0.0	-44.28	0.01	35.94	-1.99e-06	-0.76	0.77
		0.77	-0.76	8.74e-05	0.0	5.0	-44.28	0.01	35.94	-1.99e-06	1.04	0.78
84	20	1.07	-0.05	6.43e-06	0.0	0.0	-30.57	0.15	14.73	0.0	-0.79	1.06
		1.06	-0.79	4.29e-05	0.0	5.0	-30.57	0.15	14.73	0.0	-0.05	1.07
84	21	1.11	-0.09	4.52e-06	0.0	0.0	-38.21	0.25	22.18	-1.15e-06	-1.20	1.10
		1.10	-1.20	6.33e-05	0.0	5.0	-38.21	0.25	22.18	-1.15e-06	-0.09	1.11
84	22	0.78	1.04	6.89e-06	0.0	0.0	-44.27	0.08	32.02	-6.70e-05	-0.56	0.77

		0.77	-0.56	8.74e-05	0.0	5.0	-44.27	0.08	32.02	-6.70e-05	1.04	0.78
84	24	1.00	1.56	9.35e-06	0.0	0.0	-61.85	-0.04	54.95	0.0	-1.18	1.00
		1.00	-1.18	1.25e-04	0.0	5.0	-61.85	-0.04	54.95	0.0	1.56	1.00
84	25	1.50	-0.13	5.77e-06	0.0	0.0	-52.74	0.31	34.32	0.0	-1.85	1.48
		1.48	-1.85	8.84e-05	0.0	5.0	-52.74	0.31	34.32	0.0	-0.13	1.50
84	27	0.78	1.04	6.91e-06	0.0	0.0	-44.28	0.01	35.94	-1.99e-06	-0.76	0.77
		0.77	-0.76	8.74e-05	0.0	5.0	-44.28	0.01	35.94	-1.99e-06	1.04	0.78
84	28	1.00	1.56	9.40e-06	0.0	0.0	-61.84	-1.60e-04	51.70	-2.86e-06	-1.02	1.00
		1.00	-1.02	1.25e-04	0.0	5.0	-61.84	-1.60e-04	51.70	-2.86e-06	1.56	1.00
84	29	0.78	1.04	6.91e-06	0.0	0.0	-44.28	0.01	35.94	-1.99e-06	-0.76	0.77
		0.77	-0.76	8.74e-05	0.0	5.0	-44.28	0.01	35.94	-1.99e-06	1.04	0.78
84	39	-1.98	0.19	-3.56e-05	0.0	0.0	-50.08	-1.21	-34.18	-9.79e-05	0.19	-1.98
		-2.04	-1.62	8.00e-05	0.0	5.0	-50.08	-1.21	-34.18	-9.79e-05	-1.62	-2.04
84	40	0.56	3.87	-2.11e-05	0.0	0.0	-43.77	-0.35	45.96	-2.67e-05	1.47	0.56
		0.55	1.47	8.21e-05	0.0	5.0	-43.77	-0.35	45.96	-2.67e-05	3.87	0.55
84	71	-1.52	0.43	-3.29e-05	0.0	0.0	-48.93	-1.05	-19.53	-8.38e-05	0.43	-1.52
		-1.57	-0.61	8.03e-05	0.0	5.0	-48.93	-1.05	-19.53	-8.38e-05	-0.61	-1.57
84	72	0.10	2.87	-2.38e-05	0.0	0.0	-44.92	-0.51	31.32	-4.07e-05	1.23	0.10
		0.07	1.23	8.19e-05	0.0	5.0	-44.92	-0.51	31.32	-4.07e-05	2.87	0.07
85	2	0.38	-0.12	4.92e-06	0.0	0.0	-33.00	0.41	30.69	-1.30e-06	-1.65	0.36
		0.36	-1.65	7.25e-05	0.0	5.0	-33.00	0.41	30.69	-1.30e-06	-0.12	0.38
85	5	-0.35	-0.21	-1.24e-06	0.0	0.0	-51.19	0.52	37.51	-1.32e-06	-2.08	-0.37
		-0.37	-2.08	8.90e-05	0.0	5.0	-51.19	0.52	37.51	-1.32e-06	-0.21	-0.35
85	9	0.33	-1.24	6.63e-06	0.0	0.0	-14.16	0.98	49.68	-1.62e-06	-3.73	0.28
		0.28	-3.73	9.37e-05	0.0	5.0	-14.16	0.98	49.68	-1.62e-06	-1.24	0.33
85	15	-2.12	0.17	-3.33e-05	0.0	0.0	-22.88	-0.19	15.03	-4.92e-05	-0.58	-2.12
		-2.13	-0.58	5.17e-05	0.0	5.0	-22.88	-0.19	15.03	-4.92e-05	0.17	-2.13
85	18	-0.22	-0.90	1.01e-06	0.0	0.0	-29.51	0.83	40.48	-4.41e-05	-2.93	-0.26
		-0.26	-2.93	8.77e-05	0.0	5.0	-29.51	0.83	40.48	-4.41e-05	-0.90	-0.22
85	19	-0.22	-0.92	1.02e-06	0.0	0.0	-29.55	0.81	43.89	-1.34e-06	-3.11	-0.26
		-0.26	-3.11	8.77e-05	0.0	5.0	-29.55	0.81	43.89	-1.34e-06	-0.92	-0.22
85	20	0.13	-0.10	2.12e-06	0.0	0.0	-23.93	0.23	18.64	0.0	-1.03	0.12
		0.12	-1.03	4.27e-05	0.0	5.0	-23.93	0.23	18.64	0.0	-0.10	0.13
85	21	-0.22	-0.15	0.0	0.0	0.0	-36.52	0.37	26.87	0.0	-1.49	-0.24
		-0.24	-1.49	6.36e-05	0.0	5.0	-36.52	0.37	26.87	0.0	-0.15	-0.22
85	22	-0.22	-0.90	1.01e-06	0.0	0.0	-29.51	0.83	40.48	-4.41e-05	-2.93	-0.26
		-0.26	-2.93	8.77e-05	0.0	5.0	-29.51	0.83	40.48	-4.41e-05	-0.90	-0.22
85	24	-0.36	-1.36	1.17e-06	0.0	0.0	-40.73	1.14	64.04	0.0	-4.56	-0.41
		-0.41	-4.56	1.25e-04	0.0	5.0	-40.73	1.14	64.04	0.0	-1.36	-0.36
85	27	-0.22	-0.92	1.02e-06	0.0	0.0	-29.55	0.81	43.89	-1.34e-06	-3.11	-0.26
		-0.26	-3.11	8.77e-05	0.0	5.0	-29.55	0.81	43.89	-1.34e-06	-0.92	-0.22
85	28	-0.35	-1.36	1.21e-06	0.0	0.0	-40.73	1.18	63.03	-1.90e-06	-4.51	-0.41
		-0.41	-4.51	1.25e-04	0.0	5.0	-40.73	1.18	63.03	-1.90e-06	-1.36	-0.35
85	29	-0.22	-0.92	1.02e-06	0.0	0.0	-29.55	0.81	43.89	-1.34e-06	-3.11	-0.26
		-0.26	-3.11	8.77e-05	0.0	5.0	-29.55	0.81	43.89	-1.34e-06	-0.92	-0.22
85	30	-2.75	-0.35	-4.12e-05	0.0	0.0	-23.21	-0.25	28.25	-3.42e-04	-1.65	-2.75
		-2.76	-1.65	9.21e-05	0.0	5.0	-23.21	-0.25	28.25	-3.42e-04	-0.35	-2.76
85	33	-1.31	-0.12	-2.95e-05	0.0	0.0	-24.15	0.39	40.76	2.60e-04	-2.27	-1.33
		-1.33	-2.27	9.18e-05	0.0	5.0	-24.15	0.39	40.76	2.60e-04	-0.12	-1.31
85	40	-2.01	-0.44	-2.82e-05	0.0	0.0	-27.76	0.75	47.88	-1.75e-05	-2.88	-2.24
		-2.24	-2.88	9.21e-05	0.0	5.0	-27.76	0.75	47.88	-1.75e-05	-0.44	-2.01
85	51	-1.66	-0.33	-3.92e-05	0.0	0.0	-19.56	9.66e-03	22.77	9.61e-05	-1.32	-1.66
		-1.73	-1.32	9.18e-05	0.0	5.0	-19.56	9.66e-03	22.77	9.61e-05	-0.33	-1.73
85	52	-2.34	-0.14	-3.14e-05	0.0	0.0	-27.80	0.14	46.23	-1.78e-04	-2.60	-2.41
		-2.41	-2.60	9.21e-05	0.0	5.0	-27.80	0.14	46.23	-1.78e-04	-0.14	-2.34
85	58	-2.34	0.16	-3.64e-05	0.0	0.0	-25.17	-0.25	37.97	-1.69e-04	-1.57	-2.34
		-2.40	-1.57	9.22e-05	0.0	5.0	-25.17	-0.25	37.97	-1.69e-04	0.16	-2.40
85	62	-2.47	-0.31	-3.88e-05	0.0	0.0	-23.31	-0.13	30.74	-2.24e-04	-1.77	-2.47
		-2.47	-1.77	9.20e-05	0.0	5.0	-23.31	-0.13	30.74	-2.24e-04	-0.31	-2.47
85	65	-1.59	-0.16	-3.18e-05	0.0	0.0	-24.05	0.27	38.26	1.42e-04	-2.15	-1.60
		-1.60	-2.15	9.19e-05	0.0	5.0	-24.05	0.27	38.26	1.42e-04	-0.16	-1.59
85	72	-2.02	-0.36	-3.08e-05	0.0	0.0	-26.29	0.50	43.02	-2.68e-05	-2.54	-2.17
		-2.17	-2.54	9.21e-05	0.0	5.0	-26.29	0.50	43.02	-2.68e-05	-0.36	-2.02
85	83	-1.80	-0.31	-3.78e-05	0.0	0.0	-21.00	0.04	26.92	4.60e-05	-1.54	-1.80
		-1.84	-1.54	9.19e-05	0.0	5.0	-21.00	0.04	26.92	4.60e-05	-0.31	-1.84
85	84	-2.23	-0.16	-3.28e-05	0.0	0.0	-26.36	0.11	42.08	-1.28e-04	-2.38	-2.28
		-2.28	-2.38	9.21e-05	0.0	5.0	-26.36	0.11	42.08	-1.28e-04	-0.16	-2.23
85	90	-2.23	0.02	-3.60e-05	0.0	0.0	-24.68	-0.14	36.85	-1.23e-04	-1.70	-2.23
		-2.27	-1.70	9.21e-05	0.0	5.0	-24.68	-0.14	36.85	-1.23e-04	0.02	-2.27
86	3	0.93	-0.14	1.08e-05	0.0	0.0	-30.45	0.19	60.04	-2.28e-06	-3.15	0.92
		0.92	-3.15	1.06e-04	0.0	5.0	-30.45	0.19	60.04	-2.28e-06	-0.14	0.93
86	4	-0.03	0.13	0.0	0.0	0.0	-56.33	0.06	35.74	-1.03e-06	-1.66	-0.03
		-0.03	-1.66	7.46e-05	0.0	5.0	-56.33	0.06	35.74	-1.03e-06	0.13	-0.03
86	6	0.77	0.10	7.59e-06	0.0	0.0	-54.79	0.14	67.57	-2.27e-06	-3.28	0.76
		0.76	-3.28	1.24e-04	0.0	5.0	-54.79	0.14	67.57	-2.27e-06	0.10	0.77
86	10	-0.06	0.16	-1.52e-06	0.0	0.0	-48.03	0.03	28.42	0.0	-1.27	-0.06
		-0.06	-1.27	5.98e-05	0.0	5.0	-48.03	0.03	28.42	0.0	0.16	-0.06

86	15	-2.16	-0.91	-3.56e-05	0.0	0.0	-11.62	-0.88	34.69	-4.98e-05	-2.65	-2.16
		-2.21	-2.65	6.24e-05	0.0	5.0	-11.62	-0.88	34.69	-4.98e-05	-0.91	-2.21
86	18	0.53	0.07	5.22e-06	0.0	0.0	-38.87	0.10	34.55	-4.44e-05	-1.66	0.53
		0.53	-1.66	8.68e-05	0.0	5.0	-38.87	0.10	34.55	-4.44e-05	0.07	0.53
86	19	0.52	0.06	5.23e-06	0.0	0.0	-38.89	0.10	47.13	-1.59e-06	-2.30	0.52
		0.52	-2.30	8.67e-05	0.0	5.0	-38.89	0.10	47.13	-1.59e-06	0.06	0.52
86	20	0.10	-0.08	1.72e-06	0.0	0.0	-23.69	0.08	20.90	0.0	-1.13	0.09
		0.09	-1.13	4.24e-05	0.0	5.0	-23.69	0.08	20.90	0.0	-0.08	0.10
86	21	-4.74e-03	0.06	0.0	0.0	0.0	-39.91	0.08	30.06	-1.01e-06	-1.44	-8.84e-03
		-8.84e-03	-1.44	6.35e-05	0.0	5.0	-39.91	0.08	30.06	-1.01e-06	0.06	-4.74e-03
86	22	0.53	0.07	5.22e-06	0.0	0.0	-38.87	0.10	34.55	-4.44e-05	-1.66	0.53
		0.53	-1.66	8.68e-05	0.0	5.0	-38.87	0.10	34.55	-4.44e-05	0.07	0.53
86	27	0.52	0.06	5.23e-06	0.0	0.0	-38.89	0.10	47.13	-1.59e-06	-2.30	0.52
		0.52	-2.30	8.67e-05	0.0	5.0	-38.89	0.10	47.13	-1.59e-06	0.06	0.52
86	28	0.77	0.10	7.59e-06	0.0	0.0	-54.79	0.14	67.57	-2.27e-06	-3.28	0.76
		0.76	-3.28	1.24e-04	0.0	5.0	-54.79	0.14	67.57	-2.27e-06	0.10	0.77
86	29	0.52	0.06	5.23e-06	0.0	0.0	-38.89	0.10	47.13	-1.59e-06	-2.30	0.52
		0.52	-2.30	8.67e-05	0.0	5.0	-38.89	0.10	47.13	-1.59e-06	0.06	0.52
86	38	-2.87	3.27	-4.20e-05	0.0	0.0	-1.59	-0.95	70.34	-1.59e-04	-0.24	-2.87
		-2.92	-0.24	1.05e-04	0.0	5.0	-1.59	-0.95	70.34	-1.59e-04	3.27	-2.92
86	41	-1.90	-3.83	-3.01e-05	0.0	0.0	-20.24	-0.46	45.15	7.73e-05	-6.09	-1.90
		-1.92	-6.09	1.04e-04	0.0	5.0	-20.24	-0.46	45.15	7.73e-05	-3.83	-1.92
86	42	-2.94	3.31	-4.24e-05	0.0	0.0	-1.80	-0.92	70.41	-1.44e-04	-0.21	-2.94
		-2.99	-0.21	1.05e-04	0.0	5.0	-1.80	-0.92	70.41	-1.44e-04	3.31	-2.99
86	45	-1.84	-3.87	-2.97e-05	0.0	0.0	-20.04	-0.49	45.07	6.18e-05	-6.12	-1.84
		-1.86	-6.12	1.04e-04	0.0	5.0	-20.04	-0.49	45.07	6.18e-05	-3.87	-1.86
86	51	-3.78	-0.39	-4.08e-05	0.0	0.0	-12.65	-0.48	55.72	9.59e-05	-3.19	-3.78
		-3.80	-3.19	1.05e-04	0.0	5.0	-12.65	-0.48	55.72	9.59e-05	-0.39	-3.80
86	52	-1.00	-0.17	-3.13e-05	0.0	0.0	-9.18	-0.92	59.76	-1.78e-04	-3.14	-1.00
		-1.05	-3.14	1.04e-04	0.0	5.0	-9.18	-0.92	59.76	-1.78e-04	-0.17	-1.05
86	70	-2.69	1.95	-3.98e-05	0.0	0.0	-5.07	-0.86	65.65	-1.15e-04	-1.33	-2.69
		-2.74	-1.33	1.04e-04	0.0	5.0	-5.07	-0.86	65.65	-1.15e-04	1.95	-2.74
86	73	-2.08	-2.51	-3.23e-05	0.0	0.0	-16.77	-0.55	49.83	3.32e-05	-5.01	-2.08
		-2.11	-5.01	1.04e-04	0.0	5.0	-16.77	-0.55	49.83	3.32e-05	-2.51	-2.11
86	74	-2.73	1.98	-4.00e-05	0.0	0.0	-5.18	-0.84	65.72	-1.06e-04	-1.31	-2.73
		-2.78	-1.31	1.04e-04	0.0	5.0	-5.18	-0.84	65.72	-1.06e-04	1.98	-2.78
86	77	-2.04	-2.54	-3.21e-05	0.0	0.0	-16.65	-0.57	49.76	2.37e-05	-5.03	-2.04
		-2.07	-5.03	1.04e-04	0.0	5.0	-16.65	-0.57	49.76	2.37e-05	-2.54	-2.07
86	83	-3.28	-0.33	-3.92e-05	0.0	0.0	-11.95	-0.56	56.52	4.58e-05	-3.17	-3.28
		-3.31	-3.17	1.05e-04	0.0	5.0	-11.95	-0.56	56.52	4.58e-05	-0.33	-3.31
86	84	-1.49	-0.23	-3.30e-05	0.0	0.0	-9.88	-0.84	58.96	-1.28e-04	-3.16	-1.49
		-1.54	-3.16	1.04e-04	0.0	5.0	-9.88	-0.84	58.96	-1.28e-04	-0.23	-1.54
87	3	1.75	0.03	1.18e-05	0.0	0.0	-95.44	1.82	39.80	0.0	-1.96	1.65
		1.65	-1.96	5.75e-05	0.0	5.0	-95.44	1.82	39.80	0.0	0.03	1.75
87	15	-0.11	1.23	-4.33e-05	0.0	0.0	-2.75	3.18	25.44	-4.78e-05	-0.05	-0.27
		-0.27	-0.05	3.50e-05	0.0	5.0	-2.75	3.18	25.44	-4.78e-05	1.23	-0.11
87	18	1.01	0.23	5.22e-06	0.0	0.0	-84.00	1.97	16.34	-4.32e-05	-0.58	0.91
		0.91	-0.58	4.65e-05	0.0	5.0	-84.00	1.97	16.34	-4.32e-05	0.23	1.01
87	19	0.99	0.24	5.25e-06	0.0	0.0	-84.01	1.53	29.58	0.0	-1.24	0.91
		0.91	-1.24	4.65e-05	0.0	5.0	-84.01	1.53	29.58	0.0	0.24	0.99
87	20	0.42	0.22	1.65e-06	0.0	0.0	-23.73	0.49	11.98	0.0	-0.38	0.39
		0.39	-0.38	2.24e-05	0.0	5.0	-23.73	0.49	11.98	0.0	0.22	0.42
87	21	0.22	0.38	0.0	0.0	0.0	-41.67	0.80	18.01	0.0	-0.52	0.18
		0.18	-0.52	3.54e-05	0.0	5.0	-41.67	0.80	18.01	0.0	0.38	0.22
87	22	1.01	0.23	5.22e-06	0.0	0.0	-84.00	1.97	16.34	-4.32e-05	-0.58	0.91
		0.91	-0.58	4.65e-05	0.0	5.0	-84.00	1.97	16.34	-4.32e-05	0.23	1.01
87	24	1.42	0.32	7.58e-06	0.0	0.0	-122.45	2.24	41.84	0.0	-1.77	1.31
		1.31	-1.77	6.64e-05	0.0	5.0	-122.45	2.24	41.84	0.0	0.32	1.42
87	27	0.99	0.24	5.25e-06	0.0	0.0	-84.01	1.53	29.58	0.0	-1.24	0.91
		0.91	-1.24	4.65e-05	0.0	5.0	-84.01	1.53	29.58	0.0	0.24	0.99
87	28	1.42	0.32	7.62e-06	0.0	0.0	-122.45	2.22	42.58	0.0	-1.80	1.31
		1.31	-1.80	6.64e-05	0.0	5.0	-122.45	2.22	42.58	0.0	0.32	1.42
87	29	0.99	0.24	5.25e-06	0.0	0.0	-84.01	1.53	29.58	0.0	-1.24	0.91
		0.91	-1.24	4.65e-05	0.0	5.0	-84.01	1.53	29.58	0.0	0.24	0.99
87	30	0.83	7.36	-5.28e-05	0.0	0.0	-27.76	5.41	52.36	-3.38e-04	4.78	0.55
		0.55	4.78	6.04e-05	0.0	5.0	-27.76	5.41	52.36	-3.38e-04	7.36	0.83
87	33	-0.79	-3.43	-3.81e-05	0.0	0.0	-58.54	5.56	30.67	2.63e-04	-5.00	-1.06
		-1.06	-5.00	5.95e-05	0.0	5.0	-58.54	5.56	30.67	2.63e-04	-3.43	-0.79
87	38	0.80	7.60	-5.39e-05	0.0	0.0	-25.83	5.78	53.24	-1.55e-04	4.96	0.50
		0.50	4.96	6.03e-05	0.0	5.0	-25.83	5.78	53.24	-1.55e-04	7.60	0.80
87	41	-0.75	-3.66	-3.71e-05	0.0	0.0	-60.46	5.19	29.80	7.90e-05	-5.18	-1.01
		-1.01	-5.18	5.96e-05	0.0	5.0	-60.46	5.19	29.80	7.90e-05	-3.66	-0.75
87	62	0.51	5.21	-4.99e-05	0.0	0.0	-33.79	5.43	48.08	-2.20e-04	2.83	0.23
		0.23	2.83	6.02e-05	0.0	5.0	-33.79	5.43	48.08	-2.20e-04	5.21	0.51
87	65	-0.47	-1.28	-4.11e-05	0.0	0.0	-52.50	5.54	34.95	1.45e-04	-3.05	-0.74
		-0.74	-3.05	5.97e-05	0.0	5.0	-52.50	5.54	34.95	1.45e-04	-1.28	-0.47
87	70	0.51	5.50	-5.07e-05	0.0	0.0	-32.22	5.68	48.87	-1.11e-04	3.08	0.22

		0.22	3.08	6.01e-05	0.0	5.0	-32.22	5.68	48.87	-1.11e-04	5.50	0.51
87	73	-0.46	-1.57	-4.02e-05	0.0	0.0	-54.07	5.30	34.16	3.55e-05	-3.29	-0.73
		-0.73	-3.29	5.98e-05	0.0	5.0	-54.07	5.30	34.16	3.55e-05	-1.57	-0.46
87	74	0.48	5.51	-5.10e-05	0.0	0.0	-32.47	5.61	48.94	-1.02e-04	3.07	0.20
		0.20	3.07	6.02e-05	0.0	5.0	-32.47	5.61	48.94	-1.02e-04	5.51	0.48
88	4	-0.84	0.30	-3.77e-06	0.0	0.0	-49.99	-0.80	18.62	0.0	-0.63	-0.84
		-0.88	-0.63	3.91e-05	0.0	5.0	-49.99	-0.80	18.62	0.0	0.30	-0.88
88	6	-1.71	0.03	1.15e-06	0.0	0.0	-140.24	-2.28	41.79	-1.76e-06	-2.06	-1.71
		-1.82	-2.06	6.72e-05	0.0	5.0	-140.24	-2.28	41.79	-1.76e-06	0.03	-1.82
88	7	-0.13	0.19	2.20e-06	0.0	0.0	-23.86	-0.21	11.02	0.0	-0.36	-0.13
		-0.14	-0.36	2.26e-05	0.0	5.0	-23.86	-0.21	11.02	0.0	0.19	-0.14
88	8	0.09	0.13	4.48e-06	0.0	0.0	-24.52	-0.35	16.75	0.0	-0.70	0.09
		0.07	-0.70	3.34e-05	0.0	5.0	-24.52	-0.35	16.75	0.0	0.13	0.07
88	15	-3.16	0.14	-4.06e-05	0.0	0.0	-24.05	0.11	9.47	-4.80e-05	-0.33	-3.17
		-3.17	-0.33	2.81e-05	0.0	5.0	-24.05	0.11	9.47	-4.80e-05	0.14	-3.16
88	19	-1.15	0.04	0.0	0.0	0.0	-95.88	-1.54	28.96	-1.22e-06	-1.41	-1.15
		-1.23	-1.41	4.71e-05	0.0	5.0	-95.88	-1.54	28.96	-1.22e-06	0.04	-1.23
88	20	-0.13	0.19	2.20e-06	0.0	0.0	-23.86	-0.21	11.02	0.0	-0.36	-0.13
		-0.14	-0.36	2.26e-05	0.0	5.0	-23.86	-0.21	11.02	0.0	0.19	-0.14
88	21	-0.42	0.18	0.0	0.0	0.0	-36.15	-0.64	17.33	0.0	-0.69	-0.42
		-0.45	-0.69	3.55e-05	0.0	5.0	-36.15	-0.64	17.33	0.0	0.18	-0.45
88	22	-1.16	0.04	0.0	0.0	0.0	-95.87	-1.10	24.98	-4.40e-05	-1.21	-1.16
		-1.22	-1.21	4.71e-05	0.0	5.0	-95.87	-1.10	24.98	-4.40e-05	0.04	-1.22
88	24	-1.72	0.03	1.09e-06	0.0	0.0	-140.23	-2.17	42.15	0.0	-2.08	-1.72
		-1.82	-2.08	6.72e-05	0.0	5.0	-140.23	-2.17	42.15	0.0	0.03	-1.82
88	27	-1.15	0.04	0.0	0.0	0.0	-95.88	-1.54	28.96	-1.22e-06	-1.41	-1.15
		-1.23	-1.41	4.71e-05	0.0	5.0	-95.88	-1.54	28.96	-1.22e-06	0.04	-1.23
88	28	-1.71	0.03	1.15e-06	0.0	0.0	-140.24	-2.28	41.79	-1.76e-06	-2.06	-1.71
		-1.82	-2.06	6.72e-05	0.0	5.0	-140.24	-2.28	41.79	-1.76e-06	0.03	-1.82
88	29	-1.15	0.04	0.0	0.0	0.0	-95.88	-1.54	28.96	-1.22e-06	-1.41	-1.15
		-1.23	-1.41	4.71e-05	0.0	5.0	-95.88	-1.54	28.96	-1.22e-06	0.04	-1.23
88	30	-5.47	0.67	-5.12e-05	0.0	0.0	-87.25	-0.22	20.86	-3.39e-04	-0.71	-5.47
		-5.49	-0.71	5.17e-05	0.0	5.0	-87.25	-0.22	20.86	-3.39e-04	0.67	-5.49
88	33	-2.59	-0.23	-3.68e-05	0.0	0.0	-74.65	2.23	27.26	2.62e-04	-1.26	-2.70
		-2.70	-1.26	5.15e-05	0.0	5.0	-74.65	2.23	27.26	2.62e-04	-0.23	-2.59
88	39	-5.80	0.88	-5.33e-05	0.0	0.0	-86.16	-0.24	12.56	-6.07e-05	0.35	-5.80
		-5.81	0.35	5.16e-05	0.0	5.0	-86.16	-0.24	12.56	-6.07e-05	0.88	-5.81
88	40	-2.26	-0.44	-3.46e-05	0.0	0.0	-75.74	2.24	35.56	-1.67e-05	-2.32	-2.37
		-2.37	-2.32	5.16e-05	0.0	5.0	-75.74	2.24	35.56	-1.67e-05	-0.44	-2.26
88	42	-5.56	1.11	-5.22e-05	0.0	0.0	-86.88	0.39	21.04	-1.40e-04	0.01	-5.58
		-5.58	0.01	5.16e-05	0.0	5.0	-86.88	0.39	21.04	-1.40e-04	1.11	-5.56
88	70	-4.96	0.78	-4.89e-05	0.0	0.0	-84.78	0.67	22.09	-1.12e-04	-0.41	-4.99
		-4.99	-0.41	5.16e-05	0.0	5.0	-84.78	0.67	22.09	-1.12e-04	0.78	-4.96
88	71	-5.16	0.63	-4.99e-05	0.0	0.0	-84.24	0.21	16.69	-5.20e-05	-0.13	-5.17
		-5.17	-0.13	5.16e-05	0.0	5.0	-84.24	0.21	16.69	-5.20e-05	0.63	-5.16
88	72	-2.91	-0.19	-3.81e-05	0.0	0.0	-77.66	1.80	31.43	-2.54e-05	-1.83	-3.00
		-3.00	-1.83	5.17e-05	0.0	5.0	-77.66	1.80	31.43	-2.54e-05	-0.19	-2.91
88	73	-3.11	-0.34	-3.90e-05	0.0	0.0	-77.12	1.34	26.02	3.47e-05	-1.55	-3.18
		-3.18	-1.55	5.16e-05	0.0	5.0	-77.12	1.34	26.02	3.47e-05	-0.34	-3.11
88	74	-5.00	0.79	-4.92e-05	0.0	0.0	-84.69	0.62	22.18	-1.03e-04	-0.36	-5.03
		-5.03	-0.36	5.16e-05	0.0	5.0	-84.69	0.62	22.18	-1.03e-04	0.79	-5.00
89	8	2.20	0.03	8.05e-06	0.0	0.0	-29.77	0.52	12.08	0.0	-0.58	2.18
		2.18	-0.58	3.31e-05	0.0	5.0	-29.77	0.52	12.08	0.0	0.03	2.20
89	9	6.42	3.45	1.31e-05	0.0	0.0	-77.49	1.51	25.67	-1.12e-06	2.17	6.35
		6.35	2.17	5.08e-05	0.0	5.0	-77.49	1.51	25.67	-1.12e-06	3.45	6.42
89	13	7.06	3.36	8.71e-06	0.0	0.0	-99.77	1.79	24.65	-1.01e-04	2.13	6.97
		6.97	2.13	6.68e-05	0.0	5.0	-99.77	1.79	24.65	-1.01e-04	3.36	7.06
89	15	-0.23	0.41	-3.50e-05	0.0	0.0	-36.54	1.17	-10.18	-7.35e-05	0.41	-0.29
		-0.29	-0.10	2.19e-05	0.0	5.0	-36.54	1.17	-10.18	-7.35e-05	-0.10	-0.23
89	18	4.88	2.24	6.37e-06	0.0	0.0	-69.56	1.25	17.09	-6.72e-05	1.39	4.82
		4.82	1.39	4.68e-05	0.0	5.0	-69.56	1.25	17.09	-6.72e-05	2.24	4.88
89	19	4.88	2.24	6.40e-06	0.0	0.0	-69.56	1.08	21.44	0.0	1.17	4.82
		4.82	1.17	4.67e-05	0.0	5.0	-69.56	1.08	21.44	0.0	2.24	4.88
89	20	1.74	-1.22e-04	5.62e-06	0.0	0.0	-30.44	0.63	6.54	0.0	-0.33	1.71
		1.71	-0.33	2.23e-05	0.0	5.0	-30.44	0.63	6.54	0.0	-1.22e-04	1.74
89	21	2.06	-0.04	3.06e-06	0.0	0.0	-37.75	0.42	12.38	0.0	-0.66	2.04
		2.04	-0.66	3.49e-05	0.0	5.0	-37.75	0.42	12.38	0.0	-0.04	2.06
89	22	4.88	2.24	6.37e-06	0.0	0.0	-69.56	1.25	17.09	-6.72e-05	1.39	4.82
		4.82	1.39	4.68e-05	0.0	5.0	-69.56	1.25	17.09	-6.72e-05	2.24	4.88
89	24	7.05	3.36	8.69e-06	0.0	0.0	-99.79	1.74	32.97	0.0	1.71	6.97
		6.97	1.71	6.67e-05	0.0	5.0	-99.79	1.74	32.97	0.0	3.36	7.05
89	25	2.83	-0.07	3.70e-06	0.0	0.0	-52.07	0.75	19.39	1.34e-06	-1.03	2.80
		2.80	-1.03	4.90e-05	0.0	5.0	-52.07	0.75	19.39	1.34e-06	-0.07	2.83
89	27	4.88	2.24	6.40e-06	0.0	0.0	-69.56	1.08	21.44	0.0	1.17	4.82
		4.82	1.17	4.67e-05	0.0	5.0	-69.56	1.08	21.44	0.0	2.24	4.88
89	28	7.05	3.36	8.75e-06	0.0	0.0	-99.78	1.53	31.18	-1.27e-06	1.80	6.98
		6.98	1.80	6.68e-05	0.0	5.0	-99.78	1.53	31.18	-1.27e-06	3.36	7.05

89	29	4.88	2.24	6.40e-06	0.0	0.0	-69.56	1.08	21.44	0.0	1.17	4.82
		4.82	1.17	4.67e-05	0.0	5.0	-69.56	1.08	21.44	0.0	2.24	4.88
89	39	2.65	0.26	-4.43e-05	0.0	0.0	-65.40	1.74	-25.05	-9.34e-05	0.26	2.56
		2.56	-1.12	4.39e-05	0.0	5.0	-65.40	1.74	-25.05	-9.34e-05	-1.12	2.65
89	40	2.14	4.33	-2.84e-05	0.0	0.0	-69.57	3.72	30.18	-2.53e-05	2.69	1.95
		1.95	2.69	4.51e-05	0.0	5.0	-69.57	3.72	30.18	-2.53e-05	4.33	2.14
89	43	2.67	0.27	-4.40e-05	0.0	0.0	-65.41	1.75	-25.02	-1.17e-04	0.27	2.58
		2.58	-1.05	4.39e-05	0.0	5.0	-65.41	1.75	-25.02	-1.17e-04	-1.05	2.67
89	44	2.13	4.26	-2.87e-05	0.0	0.0	-69.55	3.71	30.16	-1.32e-06	2.68	1.94
		1.94	2.68	4.51e-05	0.0	5.0	-69.55	3.71	30.16	-1.32e-06	4.26	2.13
89	71	2.56	0.71	-4.14e-05	0.0	0.0	-66.16	2.10	-15.00	-7.99e-05	0.71	2.45
		2.45	-0.12	4.40e-05	0.0	5.0	-66.16	2.10	-15.00	-7.99e-05	-0.12	2.56
89	72	2.23	3.33	-3.13e-05	0.0	0.0	-68.80	3.36	20.13	-3.88e-05	2.24	2.07
		2.07	2.24	4.50e-05	0.0	5.0	-68.80	3.36	20.13	-3.88e-05	3.33	2.23
89	75	2.57	0.72	-4.12e-05	0.0	0.0	-66.17	2.11	-15.00	-9.47e-05	0.72	2.46
		2.46	-0.07	4.41e-05	0.0	5.0	-66.17	2.11	-15.00	-9.47e-05	-0.07	2.57
89	76	2.22	3.28	-3.15e-05	0.0	0.0	-68.79	3.35	20.13	-2.40e-05	2.23	2.06
		2.06	2.23	4.49e-05	0.0	5.0	-68.79	3.35	20.13	-2.40e-05	3.28	2.22
106	1	0.02	1.45	-1.37e-04	0.0	0.0	-0.23	-0.03	-2.78	2.48e-03	1.45	0.02
		-0.02	-1.33	-5.45e-04	0.0	100.0	0.06	-0.03	-2.78	2.48e-03	-1.33	-0.02
106	13	0.03	3.25	-4.14e-05	0.0	0.0	0.08	-0.06	-6.24	8.50e-03	3.25	0.03
		-0.04	-3.00	-1.12e-03	0.0	100.0	0.37	-0.06	-6.24	8.50e-03	-3.00	-0.04
106	15	4.80	2.12	-0.02	0.0	0.0	0.09	82.71	-3.90	-2.79	2.12	-77.90
		-77.90	-1.79	-5.99e-04	0.0	100.0	0.30	82.71	-3.90	-2.79	-1.79	4.80
106	18	0.02	2.27	-3.78e-05	0.0	0.0	0.04	-0.05	-4.37	5.85e-03	2.27	0.02
		-0.03	-2.10	-7.90e-04	0.0	100.0	0.25	-0.05	-4.37	5.85e-03	-2.10	-0.03
106	19	0.02	2.27	-3.73e-05	0.0	0.0	0.04	-0.05	-4.36	5.84e-03	2.27	0.02
		-0.03	-2.09	-7.92e-04	0.0	100.0	0.25	-0.05	-4.36	5.84e-03	-2.09	-0.03
106	20	0.01	1.07	-1.02e-04	0.0	0.0	-0.17	-0.02	-2.06	1.84e-03	1.07	0.01
		-0.01	-0.99	-4.04e-04	0.0	100.0	0.05	-0.02	-2.06	1.84e-03	-0.99	-0.01
106	21	0.01	1.42	-8.05e-05	0.0	0.0	-0.02	-0.03	-2.74	-9.97e-04	1.42	0.01
		-0.02	-1.31	-6.33e-04	0.0	100.0	0.20	-0.03	-2.74	-9.97e-04	-1.31	-0.02
106	22	0.02	2.27	-3.78e-05	0.0	0.0	0.04	-0.05	-4.37	5.85e-03	2.27	0.02
		-0.03	-2.10	-7.90e-04	0.0	100.0	0.25	-0.05	-4.37	5.85e-03	-2.10	-0.03
106	24	0.03	3.24	-4.10e-05	0.0	0.0	0.08	-0.06	-6.24	8.42e-03	3.24	0.03
		-0.04	-2.99	-1.13e-03	0.0	100.0	0.37	-0.06	-6.24	8.42e-03	-2.99	-0.04
106	27	0.02	2.27	-3.73e-05	0.0	0.0	0.04	-0.05	-4.36	5.84e-03	2.27	0.02
		-0.03	-2.09	-7.92e-04	0.0	100.0	0.25	-0.05	-4.36	5.84e-03	-2.09	-0.03
106	28	0.03	3.24	-4.07e-05	0.0	0.0	0.08	-0.06	-6.23	8.48e-03	3.24	0.03
		-0.04	-2.99	-1.13e-03	0.0	100.0	0.37	-0.06	-6.23	8.48e-03	-2.99	-0.04
106	29	0.02	2.27	-3.73e-05	0.0	0.0	0.04	-0.05	-4.36	5.84e-03	2.27	0.02
		-0.03	-2.09	-7.92e-04	0.0	100.0	0.25	-0.05	-4.36	5.84e-03	-2.09	-0.03
106	31	0.08	5.56	-0.03	0.0	0.0	0.59	112.62	-5.12	0.25	5.56	-112.65
		-112.65	-2.34	-1.01e-03	0.0	100.0	0.80	112.62	-5.12	0.25	-2.34	0.08
106	34	0.11	2.81	-0.03	0.0	0.0	0.80	108.99	0.18	0.32	2.81	-109.01
		-109.01	0.20	-2.08e-03	0.0	100.0	1.01	108.99	0.18	0.32	0.20	0.11
106	38	0.02	1.96	-0.03	0.0	0.0	0.92	103.38	-3.59	-0.07	1.96	-103.38
		-103.38	-0.84	-1.66e-03	0.0	100.0	1.14	103.38	-3.59	-0.07	-0.84	0.02
106	41	-0.04	3.76	-0.01	0.0	0.0	-0.42	56.43	-7.02	0.03	3.76	-56.45
		-56.45	-4.05	-2.99e-04	0.0	100.0	-0.20	56.43	-7.02	0.03	-4.05	-0.04
106	55	-0.03	8.08	-0.02	0.0	0.0	0.13	93.91	-13.73	-0.03	8.08	-93.93
		-93.93	-6.48	7.81e-04	0.0	100.0	0.34	93.91	-13.73	-0.03	-6.48	-0.03
106	57	-0.09	7.25	-0.02	0.0	0.0	-0.15	75.59	-15.36	-0.21	7.25	-75.60
		-75.60	-7.28	1.15e-03	0.0	100.0	0.07	75.59	-15.36	-0.21	-7.28	-0.09
106	63	0.05	4.56	-0.03	0.0	0.0	0.46	99.70	-5.24	0.15	4.56	-99.72
		-99.72	-2.41	-9.84e-04	0.0	100.0	0.67	99.70	-5.24	0.15	-2.41	0.05
106	66	0.07	2.79	-0.03	0.0	0.0	0.60	97.40	-1.84	0.20	2.79	-97.42
		-97.42	-0.78	-1.67e-03	0.0	100.0	0.81	97.40	-1.84	0.20	-0.78	0.07
106	70	9.35e-03	2.29	-0.03	0.0	0.0	0.68	94.71	-4.21	-0.05	2.29	-94.71
		-94.71	-1.43	-1.41e-03	0.0	100.0	0.90	94.71	-4.21	-0.05	-1.43	9.35e-03
106	73	-0.03	3.43	-0.02	0.0	0.0	-0.17	65.10	-6.40	0.01	3.43	-65.11
		-65.11	-3.47	-5.47e-04	0.0	100.0	0.04	65.10	-6.40	0.01	-3.47	-0.03
106	87	-0.02	6.22	-0.02	0.0	0.0	0.17	88.51	-10.77	-0.03	6.22	-88.53
		-88.53	-5.07	-2.81e-04	0.0	100.0	0.38	88.51	-10.77	-0.03	-5.07	-0.02
106	89	-0.06	5.70	-0.02	0.0	0.0	-6.62e-03	77.46	-11.77	-0.15	5.70	-77.47
		-77.47	-5.55	4.50e-04	0.0	100.0	0.21	77.46	-11.77	-0.15	-5.55	-0.06
107	1	6.04e-03	0.76	-1.27e-04	0.0	0.0	-0.02	-0.01	-1.47	2.07e-03	0.76	6.04e-03
		-7.78e-03	-0.71	-2.71e-04	0.0	100.0	0.27	-0.01	-1.47	2.07e-03	-0.71	-7.78e-03
107	13	0.01	1.80	-9.91e-06	0.0	0.0	0.64	-0.03	-3.47	6.01e-03	1.80	0.01
		-0.02	-1.67	-5.57e-04	0.0	100.0	0.93	-0.03	-3.47	6.01e-03	-1.67	-0.02
107	15	4.24	1.12	-0.03	0.0	0.0	0.50	103.13	-1.94	-0.52	1.12	-98.89
		-98.89	-0.82	-1.94e-04	0.0	100.0	0.72	103.13	-1.94	-0.52	-0.82	4.24
107	18	8.74e-03	1.26	-1.60e-05	0.0	0.0	0.42	-0.02	-2.43	4.16e-03	1.26	8.74e-03
		-0.01	-1.17	-3.91e-04	0.0	100.0	0.64	-0.02	-2.43	4.16e-03	-1.17	-0.01
107	19	8.59e-03	1.25	-1.55e-05	0.0	0.0	0.42	-0.02	-2.41	4.15e-03	1.25	8.59e-03
		-0.01	-1.16	-3.95e-04	0.0	100.0	0.64	-0.02	-2.41	4.15e-03	-1.16	-0.01
107	20	4.47e-03	0.57	-9.38e-05	0.0	0.0	-0.02	-0.01	-1.09	1.53e-03	0.57	4.47e-03



		-5.76e-03	-0.52	-2.01e-04	0.0	100.0	0.20	-0.01	-1.09	1.53e-03	-0.52	-5.76e-03
107	21	9.72e-03	0.64	-8.35e-05	0.0	0.0	0.18	-0.02	-1.23	-1.56e-03	0.64	9.72e-03
		-5.75e-03	-0.59	-3.28e-04	0.0	100.0	0.40	-0.02	-1.23	-1.56e-03	-0.59	-5.75e-03
107	22	8.74e-03	1.26	-1.60e-05	0.0	0.0	0.42	-0.02	-2.43	4.16e-03	1.26	8.74e-03
		-0.01	-1.17	-3.91e-04	0.0	100.0	0.64	-0.02	-2.43	4.16e-03	-1.17	-0.01
107	24	0.01	1.80	-9.77e-06	0.0	0.0	0.64	-0.03	-3.46	5.96e-03	1.80	0.01
		-0.02	-1.66	-5.62e-04	0.0	100.0	0.93	-0.03	-3.46	5.96e-03	-1.66	-0.02
107	27	8.59e-03	1.25	-1.55e-05	0.0	0.0	0.42	-0.02	-2.41	4.15e-03	1.25	8.59e-03
		-0.01	-1.16	-3.95e-04	0.0	100.0	0.64	-0.02	-2.41	4.15e-03	-1.16	-0.01
107	28	0.01	1.79	-9.25e-06	0.0	0.0	0.64	-0.03	-3.45	5.99e-03	1.79	0.01
		-0.02	-1.66	-5.62e-04	0.0	100.0	0.93	-0.03	-3.45	5.99e-03	-1.66	-0.02
107	29	8.59e-03	1.25	-1.55e-05	0.0	0.0	0.42	-0.02	-2.41	4.15e-03	1.25	8.59e-03
		-0.01	-1.16	-3.95e-04	0.0	100.0	0.64	-0.02	-2.41	4.15e-03	-1.16	-0.01
107	31	0.10	1.34	-0.03	0.0	0.0	1.23	109.20	-2.37	0.23	1.34	-109.22
		-109.22	-1.02	-4.27e-04	0.0	100.0	1.45	109.20	-2.37	0.23	-1.02	0.10
107	34	0.13	1.68	-0.03	0.0	0.0	1.35	105.66	3.25	0.31	-1.58	-105.67
		-105.67	-1.58	-1.56e-03	0.0	100.0	1.57	105.66	3.25	0.31	1.68	0.13
107	38	0.03	0.61	-0.03	0.0	0.0	1.47	104.82	1.04	-0.05	0.46	-104.80
		-104.80	0.46	-1.14e-03	0.0	100.0	1.69	104.82	1.04	-0.05	0.61	0.03
107	41	-0.02	2.40	-0.01	0.0	0.0	0.10	55.10	-6.17	0.04	2.40	-55.10
		-55.10	-2.88	3.60e-04	0.0	100.0	0.32	55.10	-6.17	0.04	-2.88	-0.02
107	57	-0.06	6.89	-0.02	0.0	0.0	0.52	76.59	-13.08	-0.19	6.89	-76.58
		-76.58	-6.19	1.68e-03	0.0	100.0	0.73	76.59	-13.08	-0.19	-6.19	-0.06
107	66	0.09	0.64	-0.03	0.0	0.0	1.14	95.46	1.10	0.20	-0.47	-95.46
		-95.46	-0.47	-1.14e-03	0.0	100.0	1.35	95.46	1.10	0.20	0.64	0.09
107	70	0.02	0.81	-0.03	0.0	0.0	1.22	95.63	-0.27	-0.03	0.81	-95.62
		-95.62	-0.03	-8.80e-04	0.0	100.0	1.44	95.63	-0.27	-0.03	-0.03	0.02
107	71	9.44e-03	2.62	-0.03	0.0	0.0	1.11	98.32	-3.76	-0.09	2.62	-98.31
		-98.31	-1.70	-2.33e-04	0.0	100.0	1.33	98.32	-3.76	-0.09	-1.70	9.44e-03
107	73	-6.67e-03	2.05	-0.02	0.0	0.0	0.35	64.28	-4.86	0.02	2.05	-64.28
		-64.28	-2.24	1.15e-04	0.0	100.0	0.57	64.28	-4.86	0.02	-2.24	-6.67e-03
107	89	-0.04	4.94	-0.02	0.0	0.0	0.62	78.09	-9.33	-0.13	4.94	-78.09
		-78.09	-4.38	9.41e-04	0.0	100.0	0.83	78.09	-9.33	-0.13	-4.38	-0.04
108	1	-4.52e-03	1.92	-1.52e-04	1.74e-06	0.0	-0.12	-0.02	-3.72	5.56e-03	1.92	-4.52e-03
		-0.02	-1.80	-8.10e-04	0.0	100.0	0.17	-0.02	-3.72	5.56e-03	-1.80	-0.02
108	7	-3.35e-03	1.42	-1.13e-04	1.29e-06	0.0	-0.09	-0.01	-2.76	4.12e-03	1.42	-3.35e-03
		-0.02	-1.33	-6.00e-04	0.0	100.0	0.13	-0.01	-2.76	4.12e-03	-1.33	-0.02
108	15	-4.73	2.59	-7.23e-03	1.29e-06	0.0	0.10	17.34	-4.96	-2.79	2.59	-22.07
		-22.07	-2.36	-1.05e-03	0.0	100.0	0.31	17.34	-4.96	-2.79	-2.36	-4.73
108	18	-9.12e-03	2.90	-7.01e-05	1.29e-06	0.0	0.15	-0.03	-5.61	0.01	2.90	-9.12e-03
		-0.03	-2.71	-1.17e-03	0.0	100.0	0.36	-0.03	-5.61	0.01	-2.71	-0.03
108	19	-9.30e-03	2.89	-6.94e-05	1.29e-06	0.0	0.15	-0.02	-5.60	0.01	2.89	-9.30e-03
		-0.03	-2.71	-1.18e-03	0.0	100.0	0.36	-0.02	-5.60	0.01	-2.71	-0.03
108	20	-3.35e-03	1.42	-1.13e-04	1.29e-06	0.0	-0.09	-0.01	-2.76	4.12e-03	1.42	-3.35e-03
		-0.02	-1.33	-6.00e-04	0.0	100.0	0.13	-0.01	-2.76	4.12e-03	-1.33	-0.02
108	21	-0.02	2.03	-8.74e-05	1.29e-06	0.0	0.16	-0.01	-3.94	5.04e-03	2.03	-0.02
		-0.03	-1.90	-9.29e-04	0.0	100.0	0.37	-0.01	-3.94	5.04e-03	-1.90	-0.03
108	22	-9.12e-03	2.90	-7.01e-05	1.29e-06	0.0	0.15	-0.03	-5.61	0.01	2.90	-9.12e-03
		-0.03	-2.71	-1.17e-03	0.0	100.0	0.36	-0.03	-5.61	0.01	-2.71	-0.03
108	24	-0.01	4.13	-8.73e-05	1.74e-06	0.0	0.24	-0.04	-8.00	0.02	4.13	-0.01
		-0.05	-3.87	-1.67e-03	0.0	100.0	0.53	-0.04	-8.00	0.02	-3.87	-0.05
108	25	-0.03	2.84	-1.14e-04	1.74e-06	0.0	0.25	-0.01	-5.50	6.90e-03	2.84	-0.03
		-0.04	-2.66	-1.30e-03	0.0	100.0	0.54	-0.01	-5.50	6.90e-03	-2.66	-0.04
108	28	-0.01	4.13	-8.72e-05	1.74e-06	0.0	0.24	-0.04	-7.99	0.02	4.13	-0.01
		-0.05	-3.86	-1.67e-03	0.0	100.0	0.53	-0.04	-7.99	0.02	-3.86	-0.05
108	29	-9.30e-03	2.89	-6.94e-05	1.29e-06	0.0	0.15	-0.02	-5.60	0.01	2.89	-9.30e-03
		-0.03	-2.71	-1.18e-03	0.0	100.0	0.36	-0.02	-5.60	0.01	-2.71	-0.03
108	31	-0.03	6.23	-0.03	-80.00	0.0	0.83	116.76	-11.91	0.27	6.23	-116.80
		-116.80	-5.68	-1.56e-03	0.0	100.0	1.05	36.76	-11.91	0.27	-5.68	-0.03
108	38	-0.06	3.04	-0.03	-80.00	0.0	0.93	101.84	-5.71	-0.07	3.04	-101.92
		-101.92	-2.67	-2.14e-03	0.0	100.0	1.15	21.84	-5.71	-0.07	-2.67	-0.06
108	41	-0.06	4.64	-0.01	-80.00	0.0	-0.02	58.02	-8.78	0.04	4.64	-58.06
		-58.06	-4.14	-8.93e-04	0.0	100.0	0.19	-21.98	-8.78	0.04	-4.14	-0.06
108	46	0.03	0.31	-0.03	-80.00	0.0	0.71	82.19	-0.43	0.21	0.31	-82.27
		-82.27	-0.13	-3.17e-03	0.0	100.0	0.92	2.19	-0.43	0.21	-0.13	0.03
108	55	-0.11	8.66	-0.02	-80.00	0.0	0.70	95.59	-16.57	0.17	8.66	-95.63
		-95.63	-7.91	-3.46e-04	0.0	100.0	0.92	15.59	-16.57	0.17	-7.91	-0.11
108	63	-0.03	5.35	-0.03	-80.00	0.0	0.68	102.24	-10.18	0.16	5.35	-102.28
		-102.28	-4.83	-1.53e-03	0.0	100.0	0.90	22.24	-10.18	0.16	-4.83	-0.03
108	70	-0.06	3.33	-0.03	-80.00	0.0	0.76	93.74	-6.26	-0.05	3.33	-93.81
		-93.81	-2.94	-1.91e-03	0.0	100.0	0.97	13.74	-6.26	-0.05	-2.94	-0.06
108	73	-0.06	4.35	-0.02	-80.00	0.0	0.15	66.12	-8.23	0.01	4.35	-66.17
		-66.17	-3.88	-1.12e-03	0.0	100.0	0.37	-13.88	-8.23	0.01	-3.88	-0.06
108	78	-2.32e-03	1.58	-0.02	-80.00	0.0	0.61	81.04	-2.88	0.14	1.58	-81.11
		-81.11	-1.31	-2.57e-03	0.0	100.0	0.83	1.04	-2.88	0.14	-1.31	-2.32e-03
108	87	-0.09	6.94	-0.02	-80.00	0.0	0.61	89.57	-13.25	0.11	6.94	-89.62
		-89.62	-6.30	-4.83e-04	0.0	100.0	0.82	9.57	-13.25	0.11	-6.30	-0.09

109	7	-9.21e-03	1.44	-1.38e-04	0.0	0.0	30.16	-5.36e-03	-2.81	8.95e-03	1.44	-9.21e-03
		-0.01	-1.37	-7.88e-04	1.29e-06	100.0	30.38	-5.36e-03	-2.81	8.95e-03	-1.37	-0.01
109	9	-1.60e-03	2.91	-9.32e-05	0.0	0.0	60.45	-0.02	-5.67	0.02	2.91	-1.60e-03
		-0.03	-2.76	-1.58e-03	1.29e-06	100.0	60.67	-0.02	-5.67	0.02	-2.76	-0.03
109	15	-1.59	2.53	-1.84e-03	0.0	0.0	52.42	-1.85	-4.91	-0.57	2.53	-1.59
		-3.43	-2.38	-1.42e-03	1.29e-06	100.0	52.64	-1.85	-4.91	-0.57	-2.38	-3.43
109	18	-0.01	2.85	-1.32e-04	0.0	0.0	59.21	-0.02	-5.55	0.02	2.85	-0.01
		-0.03	-2.70	-1.54e-03	1.29e-06	100.0	59.42	-0.02	-5.55	0.02	-2.70	-0.03
109	19	-9.91e-03	2.85	-1.31e-04	0.0	0.0	59.22	-0.02	-5.55	0.02	2.85	-9.91e-03
		-0.03	-2.70	-1.54e-03	1.29e-06	100.0	59.44	-0.02	-5.55	0.02	-2.70	-0.03
109	20	-9.21e-03	1.44	-1.38e-04	0.0	0.0	30.16	-5.36e-03	-2.81	8.95e-03	1.44	-9.21e-03
		-0.01	-1.37	-7.88e-04	1.29e-06	100.0	30.38	-5.36e-03	-2.81	8.95e-03	-1.37	-0.01
109	21	-0.02	2.16	-1.28e-04	0.0	0.0	46.09	-4.26e-03	-4.21	0.02	2.16	-0.02
		-0.02	-2.05	-1.21e-03	1.29e-06	100.0	46.31	-4.26e-03	-4.21	0.02	-2.05	-0.02
109	22	-0.01	2.85	-1.32e-04	0.0	0.0	59.21	-0.02	-5.55	0.02	2.85	-0.01
		-0.03	-2.70	-1.54e-03	1.29e-06	100.0	59.42	-0.02	-5.55	0.02	-2.70	-0.03
109	24	-0.01	4.06	-1.76e-04	0.0	0.0	84.47	-0.02	-7.91	0.03	4.06	-0.01
		-0.04	-3.85	-2.19e-03	1.74e-06	100.0	84.76	-0.02	-7.91	0.03	-3.85	-0.04
109	27	-9.91e-03	2.85	-1.31e-04	0.0	0.0	59.22	-0.02	-5.55	0.02	2.85	-9.91e-03
		-0.03	-2.70	-1.54e-03	1.29e-06	100.0	59.44	-0.02	-5.55	0.02	-2.70	-0.03
109	28	-0.01	4.06	-1.76e-04	0.0	0.0	84.31	-0.03	-7.90	0.03	4.06	-0.01
		-0.04	-3.84	-2.20e-03	1.74e-06	100.0	84.60	-0.03	-7.90	0.03	-3.84	-0.04
109	29	-9.91e-03	2.85	-1.31e-04	0.0	0.0	59.22	-0.02	-5.55	0.02	2.85	-9.91e-03
		-0.03	-2.70	-1.54e-03	1.29e-06	100.0	59.44	-0.02	-5.55	0.02	-2.70	-0.03
109	30	0.13	4.03	-0.03	-80.00	0.0	82.70	116.09	-7.69	0.29	4.03	-116.03
		-116.03	-3.66	-2.85e-03	1.29e-06	100.0	82.92	36.09	-7.69	0.29	-3.66	0.13
109	31	0.06	5.94	-0.03	-80.00	0.0	120.07	121.59	-11.41	0.36	5.94	-121.50
		-121.50	-5.48	-2.09e-03	1.29e-06	100.0	120.28	41.59	-11.41	0.36	-5.48	0.06
109	55	-0.10	8.07	-0.02	-80.00	0.0	161.41	97.80	-15.54	0.18	8.07	-97.78
		-97.78	-7.47	-6.39e-04	1.29e-06	100.0	161.63	17.80	-15.54	0.18	-7.47	-0.10
109	56	-0.02	0.26	-0.02	-80.00	0.0	1.97	62.45	0.32	-0.15	-0.06	-62.59
		-62.59	-0.06	-3.42e-03	1.29e-06	100.0	2.19	-17.55	0.32	-0.15	0.26	-0.02
109	62	0.06	4.01	-0.03	-80.00	0.0	82.05	101.80	-7.63	0.19	4.01	-101.79
		-101.79	-3.63	-2.54e-03	1.29e-06	100.0	82.26	21.80	-7.63	0.19	-3.63	0.06
109	63	0.02	5.23	-0.03	-80.00	0.0	105.91	105.33	-10.01	0.24	5.23	-105.29
		-105.29	-4.79	-2.06e-03	1.29e-06	100.0	106.13	25.33	-10.01	0.24	-4.79	0.02
109	87	-0.09	6.62	-0.02	-80.00	0.0	133.04	91.07	-12.72	0.13	6.62	-91.08
		-91.08	-6.10	-1.13e-03	1.29e-06	100.0	133.26	11.07	-12.72	0.13	-6.10	-0.09
109	88	-0.03	1.38	-0.02	-80.00	0.0	30.35	69.18	-2.50	-0.10	1.38	-69.29
		-69.29	-1.11	-2.93e-03	1.29e-06	100.0	30.56	-10.82	-2.50	-0.10	-1.11	-0.03
110	7	0.05	1.32	-1.80e-04	1.72e-06	0.0	-1.53	-0.04	-2.37	0.01	1.32	0.05
		8.08e-03	-1.06	-8.00e-04	0.0	100.0	-1.31	-0.04	-2.37	0.01	-1.06	8.08e-03
110	15	0.53	2.25	-9.56e-04	1.72e-06	0.0	-2.41	-1.47	-4.06	-0.08	2.25	0.53
		-0.94	-1.81	-1.45e-03	0.0	100.0	-2.20	-1.47	-4.06	-0.08	-1.81	-0.94
110	18	0.10	2.56	-2.21e-04	1.72e-06	0.0	-2.67	-0.08	-4.60	0.03	2.56	0.10
		0.02	-2.05	-1.57e-03	0.0	100.0	-2.46	-0.08	-4.60	0.03	-2.05	0.02
110	19	0.09	2.56	-2.20e-04	1.72e-06	0.0	-2.67	-0.07	-4.60	0.03	2.56	0.09
		0.02	-2.05	-1.57e-03	0.0	100.0	-2.46	-0.07	-4.60	0.03	-2.05	0.02
110	20	0.05	1.32	-1.80e-04	1.72e-06	0.0	-1.53	-0.04	-2.37	0.01	1.32	0.05
		8.08e-03	-1.06	-8.00e-04	0.0	100.0	-1.31	-0.04	-2.37	0.01	-1.06	8.08e-03
110	21	0.08	2.01	-2.00e-04	1.72e-06	0.0	-2.19	-0.06	-3.61	0.02	2.01	0.08
		0.02	-1.61	-1.23e-03	0.0	100.0	-1.98	-0.06	-3.61	0.02	-1.61	0.02
110	22	0.10	2.56	-2.21e-04	1.72e-06	0.0	-2.67	-0.08	-4.60	0.03	2.56	0.10
		0.02	-2.05	-1.57e-03	0.0	100.0	-2.46	-0.08	-4.60	0.03	-2.05	0.02
110	24	0.14	3.64	-3.03e-04	2.33e-06	0.0	-3.78	-0.11	-6.56	0.04	3.64	0.14
		0.03	-2.92	-2.23e-03	1.16e-06	100.0	-3.49	-0.11	-6.56	0.04	-2.92	0.03
110	28	0.14	3.64	-3.03e-04	2.33e-06	0.0	-3.78	-0.11	-6.55	0.04	3.64	0.14
		0.03	-2.91	-2.23e-03	1.16e-06	100.0	-3.49	-0.11	-6.55	0.04	-2.91	0.03
110	29	0.09	2.56	-2.20e-04	1.72e-06	0.0	-2.67	-0.07	-4.60	0.03	2.56	0.09
		0.02	-2.05	-1.57e-03	0.0	100.0	-2.46	-0.07	-4.60	0.03	-2.05	0.02
110	31	0.88	5.41	-0.03	-80.00	0.0	-5.10	126.10	-9.59	0.32	5.41	-125.34
		-125.34	-4.19	-2.13e-03	0.0	100.0	-4.89	46.10	-9.59	0.32	-4.19	0.88
110	55	0.44	7.35	-0.02	-80.00	0.0	-6.83	99.67	-13.06	0.17	7.35	-99.32
		-99.32	-5.71	-5.89e-04	0.0	100.0	-6.62	19.67	-13.06	0.17	-5.71	0.44
110	56	-0.42	0.15	-0.02	-80.00	0.0	-0.47	60.00	-0.12	-0.10	0.15	-60.33
		-60.33	0.04	-3.54e-03	0.0	100.0	-0.25	-20.00	-0.12	-0.10	0.04	-0.42
110	63	0.58	4.80	-0.03	-80.00	0.0	-4.58	108.08	-8.49	0.22	4.80	-107.59
		-107.59	-3.69	-2.10e-03	0.0	100.0	-4.36	28.08	-8.49	0.22	-3.69	0.58
110	87	0.29	6.07	-0.02	-80.00	0.0	-5.71	92.20	-10.76	0.12	6.07	-91.96
		-91.96	-4.69	-1.11e-03	0.0	100.0	-5.49	12.20	-10.76	0.12	-4.69	0.29
110	88	-0.27	1.43	-0.02	-80.00	0.0	-1.59	67.47	-2.41	-0.06	1.43	-67.68
		-67.68	-0.98	-3.02e-03	0.0	100.0	-1.38	-12.53	-2.41	-0.06	-0.98	-0.27
111	1	5.35e-03	1.34	-1.16e-04	2.91e-06	0.0	-0.23	0.01	2.80	-1.13e-03	-1.46	-7.86e-03
		-7.86e-03	-1.46	5.53e-04	0.0	100.0	0.06	0.01	2.80	-1.13e-03	1.34	5.35e-03
111	15	-4.65	2.02	-7.26e-03	2.15e-06	0.0	-0.12	17.55	4.12	2.81	-2.11	-22.20
		-22.20	-2.11	7.55e-04	0.0	100.0	0.09	17.55	4.12	2.81	2.02	-4.65
111	18	7.07e-03	2.10	-6.61e-06	2.15e-06	0.0	0.03	0.02	4.37	-3.92e-03	-2.27	-0.02

		-0.02	-2.27	8.06e-04	0.0	100.0	0.25	0.02	4.37	-3.92e-03	2.10	7.07e-03
111	19	7.06e-03	2.10	-6.44e-06	2.15e-06	0.0	0.03	0.02	4.38	-3.97e-03	-2.28	-0.02
		-0.02	-2.28	8.03e-04	0.0	100.0	0.25	0.02	4.38	-3.97e-03	2.10	7.06e-03
111	20	3.96e-03	1.00	-8.60e-05	2.15e-06	0.0	-0.17	9.78e-03	2.08	-8.37e-04	-1.08	-5.82e-03
		-5.82e-03	-1.08	4.10e-04	0.0	100.0	0.04	9.78e-03	2.08	-8.37e-04	1.00	3.96e-03
111	21	7.78e-03	1.60	-8.42e-05	2.15e-06	0.0	-0.10	0.02	3.34	-2.44e-04	-1.74	-0.01
		-0.01	-1.74	5.82e-04	0.0	100.0	0.11	0.02	3.34	-2.44e-04	1.60	7.78e-03
111	22	7.07e-03	2.10	-6.61e-06	2.15e-06	0.0	0.03	0.02	4.37	-3.92e-03	-2.27	-0.02
		-0.02	-2.27	8.06e-04	0.0	100.0	0.25	0.02	4.37	-3.92e-03	2.10	7.07e-03
111	24	0.01	3.01	2.87e-06	2.91e-06	0.0	0.08	0.03	6.27	-5.77e-03	-3.26	-0.02
		-0.02	-3.26	1.14e-03	0.0	100.0	0.37	0.03	6.27	-5.77e-03	3.01	0.01
111	25	0.01	2.26	-1.14e-04	2.91e-06	0.0	-0.13	0.03	4.71	-1.86e-04	-2.45	-0.01
		-0.01	-2.45	8.10e-04	0.0	100.0	0.16	0.03	4.71	-1.86e-04	2.26	0.01
111	27	7.06e-03	2.10	-6.44e-06	2.15e-06	0.0	0.03	0.02	4.38	-3.97e-03	-2.28	-0.02
		-0.02	-2.28	8.03e-04	0.0	100.0	0.25	0.02	4.38	-3.97e-03	2.10	7.06e-03
111	28	1.00e-02	3.00	3.24e-06	2.91e-06	0.0	0.08	0.03	6.26	-5.83e-03	-3.25	-0.02
		-0.02	-3.25	1.14e-03	0.0	100.0	0.37	0.03	6.26	-5.83e-03	3.00	1.00e-02
111	29	7.06e-03	2.10	-6.44e-06	2.15e-06	0.0	0.03	0.02	4.38	-3.97e-03	-2.28	-0.02
		-0.02	-2.28	8.03e-04	0.0	100.0	0.25	0.02	4.38	-3.97e-03	2.10	7.06e-03
111	30	0.12	5.44	-0.03	-80.00	0.0	0.60	96.33	5.66	0.27	-2.85	-96.32
		-96.32	-2.85	-3.04e-04	0.0	100.0	0.82	16.33	5.66	0.27	5.44	0.12
111	39	0.09	1.11	-0.03	-80.00	0.0	0.80	113.40	2.12	-0.10	-1.01	-113.35
		-113.35	-1.01	1.68e-03	0.0	100.0	1.02	33.40	2.12	-0.10	1.11	0.09
111	43	0.09	1.18	-0.03	-80.00	0.0	0.82	112.55	2.27	-0.09	-1.09	-112.50
		-112.50	-1.09	1.65e-03	0.0	100.0	1.04	32.55	2.27	-0.09	1.18	0.09
111	44	-0.03	4.44	-0.01	-80.00	0.0	-0.54	47.43	9.04	0.13	-4.60	-47.42
		-47.42	-4.60	8.20e-04	0.0	100.0	-0.32	-32.57	9.04	0.13	4.44	-0.03
111	46	0.08	7.57	-0.02	-80.00	0.0	0.05	76.21	13.93	0.22	-7.15	-76.18
		-76.18	-7.15	-9.24e-04	0.0	100.0	0.27	-3.79	13.93	0.22	7.57	0.08
111	48	0.03	6.78	-0.02	-80.00	0.0	-0.27	64.69	15.56	0.10	-8.00	-64.65
		-64.65	-8.00	-5.72e-04	0.0	100.0	-0.06	-15.31	15.56	0.10	6.78	0.03
111	62	0.09	4.46	-0.02	-80.00	0.0	0.43	90.02	5.71	0.17	-2.88	-90.00
		-90.00	-2.88	5.73e-04	0.0	100.0	0.65	10.02	5.71	0.17	4.46	0.09
111	71	0.07	1.73	-0.03	-80.00	0.0	0.56	101.20	3.40	-0.06	-1.67	-101.16
		-101.16	-1.67	1.52e-03	0.0	100.0	0.78	21.20	3.40	-0.06	1.73	0.07
111	75	0.07	1.76	-0.03	-80.00	0.0	0.57	100.64	3.48	-0.05	-1.71	-100.59
		-100.59	-1.71	1.50e-03	0.0	100.0	0.79	20.64	3.48	-0.05	1.76	0.07
111	76	-0.02	3.86	-0.02	-80.00	0.0	-0.29	59.34	7.83	0.09	-3.97	-59.33
		-59.33	-3.97	9.69e-04	0.0	100.0	-0.07	-20.66	7.83	0.09	3.86	-0.02
111	78	0.06	5.84	-0.02	-80.00	0.0	0.07	77.17	10.95	0.15	-5.60	-77.15
		-77.15	-5.60	-2.57e-04	0.0	100.0	0.29	-2.83	10.95	0.15	5.84	0.06
111	80	0.03	5.35	-0.02	-80.00	0.0	-0.13	70.00	11.96	0.08	-6.12	-69.97
		-69.97	-6.12	3.13e-04	0.0	100.0	0.09	-10.00	11.96	0.08	5.35	0.03
112	1	5.58e-03	1.81	-1.23e-04	1.74e-06	0.0	-0.11	0.04	3.73	-4.83e-03	-1.93	-0.04
		-0.04	-1.93	8.16e-04	1.74e-06	100.0	0.18	0.04	3.73	-4.83e-03	1.81	5.58e-03
112	13	0.01	3.87	-2.69e-05	1.74e-06	0.0	0.26	0.10	8.00	-0.01	-4.13	-0.08
		-0.08	-4.13	1.69e-03	1.74e-06	100.0	0.56	0.10	8.00	-0.01	3.87	0.01
112	15	-1.50	2.45	-1.80e-03	1.29e-06	0.0	0.03	-1.93	5.05	0.61	-2.60	-1.50
		-3.43	-2.60	1.05e-03	1.29e-06	100.0	0.24	-1.93	5.05	0.61	2.45	-3.43
112	18	8.80e-03	2.71	-2.71e-05	1.29e-06	0.0	0.17	0.07	5.61	-0.01	-2.89	-0.06
		-0.06	-2.89	1.18e-03	1.29e-06	100.0	0.38	0.07	5.61	-0.01	2.71	8.80e-03
112	19	8.73e-03	2.72	-2.71e-05	1.29e-06	0.0	0.16	0.07	5.61	-0.01	-2.90	-0.06
		-0.06	-2.90	1.18e-03	1.29e-06	100.0	0.38	0.07	5.61	-0.01	2.72	8.73e-03
112	20	4.13e-03	1.34	-9.12e-05	1.29e-06	0.0	-0.08	0.03	2.77	-3.58e-03	-1.43	-0.03
		-0.03	-1.43	6.04e-04	1.29e-06	100.0	0.13	0.03	2.77	-3.58e-03	1.34	4.13e-03
112	21	6.24e-03	2.04	-8.83e-05	1.29e-06	0.0	0.03	0.05	4.23	-4.51e-03	-2.18	-0.04
		-0.04	-2.18	8.70e-04	1.29e-06	100.0	0.24	0.05	4.23	-4.51e-03	2.04	6.24e-03
112	22	8.80e-03	2.71	-2.71e-05	1.29e-06	0.0	0.17	0.07	5.61	-0.01	-2.89	-0.06
		-0.06	-2.89	1.18e-03	1.29e-06	100.0	0.38	0.07	5.61	-0.01	2.71	8.80e-03
112	24	0.01	3.88	-2.72e-05	1.74e-06	0.0	0.26	0.10	8.02	-0.01	-4.14	-0.08
		-0.08	-4.14	1.68e-03	1.74e-06	100.0	0.55	0.10	8.02	-0.01	3.88	0.01
112	27	8.73e-03	2.72	-2.71e-05	1.29e-06	0.0	0.16	0.07	5.61	-0.01	-2.90	-0.06
		-0.06	-2.90	1.18e-03	1.29e-06	100.0	0.38	0.07	5.61	-0.01	2.72	8.73e-03
112	28	0.01	3.87	-2.70e-05	1.74e-06	0.0	0.26	0.10	8.01	-0.01	-4.13	-0.08
		-0.08	-4.13	1.68e-03	1.74e-06	100.0	0.55	0.10	8.01	-0.01	3.87	0.01
112	29	8.73e-03	2.72	-2.71e-05	1.29e-06	0.0	0.16	0.07	5.61	-0.01	-2.90	-0.06
		-0.06	-2.90	1.18e-03	1.29e-06	100.0	0.38	0.07	5.61	-0.01	2.72	8.73e-03
112	32	0.10	3.59	-0.02	-80.00	0.0	0.01	59.54	7.23	-0.12	-6.24	-59.52
		-59.52	-6.24	1.66e-03	1.29e-06	100.0	0.23	-20.46	7.23	-0.12	3.59	0.10
112	38	0.06	5.20	-0.03	-80.00	0.0	0.90	108.38	8.99	-0.02	-4.56	-108.37
		-108.37	-4.56	1.15e-03	1.29e-06	100.0	1.11	28.38	8.99	-0.02	5.20	0.06
112	39	0.04	2.75	-0.03	-80.00	0.0	0.71	114.97	3.92	-0.10	-1.93	-114.95
		-114.95	-1.93	2.20e-03	1.29e-06	100.0	0.92	34.97	3.92	-0.10	2.75	0.04
112	41	-0.06	1.99	-0.01	-80.00	0.0	-0.23	51.71	5.45	0.06	-2.70	-51.72
		-51.72	-2.70	2.36e-03	1.29e-06	100.0	-0.02	-28.29	5.45	0.06	1.99	-0.06
112	46	3.81e-03	8.03	-0.02	-80.00	0.0	0.77	74.21	16.43	0.20	-7.62	-74.24
		-74.24	-7.62	-3.95e-04	1.29e-06	100.0	0.99	-5.79	16.43	0.20	8.03	3.81e-03

112	48	0.06	7.30	-0.02	-80.00	0.0	0.52	63.89	14.92	0.10	-8.40	-63.90
		-63.90	-8.40	4.23e-04	1.29e-06	100.0	0.74	-16.11	14.92	0.10	7.30	0.06
112	64	0.06	3.62	-0.02	-80.00	0.0	0.12	66.94	7.29	-0.06	-5.27	-66.93
		-66.93	-5.27	1.69e-03	1.29e-06	100.0	0.34	-13.06	7.29	-0.06	3.62	0.06
112	70	0.04	4.61	-0.03	-80.00	0.0	0.69	97.79	8.36	-3.82e-03	-4.22	-97.79
		-97.79	-4.22	1.37e-03	1.29e-06	100.0	0.91	17.79	8.36	-3.82e-03	4.61	0.04
112	71	0.03	3.05	-0.03	-80.00	0.0	0.56	102.26	5.12	-0.06	-2.54	-102.24
		-102.24	-2.54	2.03e-03	1.29e-06	100.0	0.78	22.26	5.12	-0.06	3.05	0.03
112	73	-0.04	2.57	-0.02	-80.00	0.0	-0.03	62.29	6.08	0.04	-3.03	-62.30
		-62.30	-3.03	2.15e-03	1.29e-06	100.0	0.19	-17.71	6.08	0.04	2.57	-0.04
112	78	4.01e-03	6.42	-0.02	-80.00	0.0	0.62	75.87	13.08	0.14	-6.18	-75.89
		-75.89	-6.18	5.63e-04	1.29e-06	100.0	0.84	-4.13	13.08	0.14	6.42	4.01e-03
112	80	0.04	5.97	-0.02	-80.00	0.0	0.46	69.34	12.15	0.08	-6.66	-69.35
		-69.35	-6.66	7.25e-04	1.29e-06	100.0	0.68	-10.66	12.15	0.08	5.97	0.04
113	7	7.46e-03	1.37	-1.12e-04	2.58e-06	0.0	30.39	0.04	2.81	-8.75e-03	-1.44	-0.03
		-0.03	-1.44	7.91e-04	0.0	100.0	30.61	0.04	2.81	-8.75e-03	1.37	7.46e-03
113	15	0.21	2.38	-8.30e-04	2.58e-06	0.0	52.19	-1.03	4.89	0.07	-2.51	0.21
		-0.82	-2.51	1.37e-03	0.0	100.0	52.40	-1.03	4.89	0.07	2.38	-0.82
113	18	0.02	2.70	-7.96e-05	2.58e-06	0.0	59.73	0.07	5.55	-0.02	-2.85	-0.05
		-0.05	-2.85	1.55e-03	0.0	100.0	59.94	0.07	5.55	-0.02	2.70	0.02
113	19	0.02	2.70	-8.01e-05	2.58e-06	0.0	59.69	0.07	5.55	-0.02	-2.85	-0.05
		-0.05	-2.85	1.55e-03	0.0	100.0	59.91	0.07	5.55	-0.02	2.70	0.02
113	20	7.46e-03	1.37	-1.12e-04	2.58e-06	0.0	30.39	0.04	2.81	-8.75e-03	-1.44	-0.03
		-0.03	-1.44	7.91e-04	0.0	100.0	30.61	0.04	2.81	-8.75e-03	1.37	7.46e-03
113	21	0.01	2.04	-1.17e-04	2.58e-06	0.0	45.01	0.06	4.19	-0.01	-2.15	-0.05
		-0.05	-2.15	1.14e-03	0.0	100.0	45.23	0.06	4.19	-0.01	2.04	0.01
113	22	0.02	2.70	-7.96e-05	2.58e-06	0.0	59.73	0.07	5.55	-0.02	-2.85	-0.05
		-0.05	-2.85	1.55e-03	0.0	100.0	59.94	0.07	5.55	-0.02	2.70	0.02
113	24	0.02	3.85	-1.04e-04	3.49e-06	0.0	85.14	0.10	7.92	-0.03	-4.06	-0.08
		-0.08	-4.06	2.20e-03	0.0	100.0	85.43	0.10	7.92	-0.03	3.85	0.02
113	27	0.02	2.70	-8.01e-05	2.58e-06	0.0	59.69	0.07	5.55	-0.02	-2.85	-0.05
		-0.05	-2.85	1.55e-03	0.0	100.0	59.91	0.07	5.55	-0.02	2.70	0.02
113	28	0.02	3.85	-1.03e-04	3.49e-06	0.0	84.98	0.10	7.90	-0.03	-4.06	-0.08
		-0.08	-4.06	2.20e-03	0.0	100.0	85.27	0.10	7.90	-0.03	3.85	0.02
113	29	0.02	2.70	-8.01e-05	2.58e-06	0.0	59.69	0.07	5.55	-0.02	-2.85	-0.05
		-0.05	-2.85	1.55e-03	0.0	100.0	59.91	0.07	5.55	-0.02	2.70	0.02
113	32	0.14	3.63	-0.02	-80.00	0.0	81.73	60.92	7.28	-0.19	-3.64	-60.87
		-60.87	-3.64	2.15e-03	0.0	100.0	81.94	-19.08	7.28	-0.19	3.63	0.14
113	39	0.02	2.94	-0.03	-80.00	0.0	67.72	116.73	5.79	-0.06	-2.18	-116.67
		-116.67	-2.18	2.67e-03	0.0	100.0	67.94	36.73	5.79	-0.06	2.94	0.02
113	46	0.04	7.45	-0.02	-80.00	0.0	161.14	72.41	15.12	-0.08	-7.66	-72.48
		-72.48	-7.66	6.17e-04	0.0	100.0	161.35	-7.59	15.12	-0.08	7.45	0.04
113	49	-0.04	0.41	-0.02	-80.00	0.0	2.57	88.07	-0.60	0.05	0.41	-88.00
		-88.00	-0.18	3.90e-03	0.0	100.0	2.78	8.07	-0.60	0.05	-0.18	-0.04
113	64	0.09	3.66	-0.02	-80.00	0.0	82.34	67.68	7.32	-0.12	-3.66	-67.66
		-67.66	-3.66	2.19e-03	0.0	100.0	82.55	-12.32	7.32	-0.12	3.66	0.09
113	71	0.01	3.19	-0.03	-80.00	0.0	72.68	103.48	6.31	-0.04	-2.70	-103.44
		-103.44	-2.70	2.51e-03	0.0	100.0	72.90	23.48	6.31	-0.04	3.19	0.01
113	78	0.03	6.06	-0.02	-80.00	0.0	132.26	74.73	12.26	-0.06	-6.19	-74.78
		-74.78	-6.19	1.21e-03	0.0	100.0	132.48	-5.27	12.26	-0.06	6.06	0.03
113	81	-0.03	1.21	-0.02	-80.00	0.0	31.44	85.74	2.26	0.03	-1.06	-85.70
		-85.70	-1.06	3.31e-03	0.0	100.0	31.66	5.74	2.26	0.03	1.21	-0.03
114	1	3.36e-03	0.73	-1.16e-04	-1.16e-06	0.0	-0.02	0.01	1.51	-3.10e-04	-0.79	-6.91e-03
		-6.91e-03	-0.79	2.82e-04	1.16e-06	100.0	0.27	0.01	1.51	-3.10e-04	0.73	3.36e-03
114	15	4.81	1.24	-0.02	-100.00	0.0	0.29	82.60	2.40	2.80	-1.16	-77.79
		-77.79	-1.16	4.98e-04	0.0	100.0	0.51	-17.40	2.40	2.80	1.24	4.81
114	18	3.37e-03	1.17	0.0	0.0	0.0	0.43	0.02	2.44	-1.59e-03	-1.27	-0.01
		-0.01	-1.27	4.13e-04	0.0	100.0	0.64	0.02	2.44	-1.59e-03	1.17	3.37e-03
114	19	3.38e-03	1.18	0.0	0.0	0.0	0.42	0.02	2.46	-1.61e-03	-1.27	-0.01
		-0.01	-1.27	4.10e-04	0.0	100.0	0.64	0.02	2.46	-1.61e-03	1.18	3.38e-03
114	20	2.49e-03	0.54	-8.56e-05	0.0	0.0	-0.02	7.61e-03	1.12	-2.30e-04	-0.58	-5.12e-03
		-5.12e-03	-0.58	2.09e-04	0.0	100.0	0.20	7.61e-03	1.12	-2.30e-04	0.54	2.49e-03
114	21	7.87e-03	0.98	-8.60e-05	0.0	0.0	0.14	0.01	2.04	-3.00e-04	-1.06	-3.32e-03
		-3.32e-03	-1.06	2.84e-04	0.0	100.0	0.35	0.01	2.04	-3.00e-04	0.98	7.87e-03
114	22	3.37e-03	1.17	0.0	0.0	0.0	0.43	0.02	2.44	-1.59e-03	-1.27	-0.01
		-0.01	-1.27	4.13e-04	0.0	100.0	0.64	0.02	2.44	-1.59e-03	1.17	3.37e-03
114	24	4.86e-03	1.69	1.32e-05	-1.16e-06	0.0	0.64	0.02	3.52	-2.36e-03	-1.83	-0.02
		-0.02	-1.83	5.82e-04	1.16e-06	100.0	0.93	0.02	3.52	-2.36e-03	1.69	4.86e-03
114	27	3.38e-03	1.18	0.0	0.0	0.0	0.42	0.02	2.46	-1.61e-03	-1.27	-0.01
		-0.01	-1.27	4.10e-04	0.0	100.0	0.64	0.02	2.46	-1.61e-03	1.18	3.38e-03
114	28	4.70e-03	1.69	1.37e-05	-1.16e-06	0.0	0.64	0.02	3.52	-2.38e-03	-1.83	-0.02
		-0.02	-1.83	5.83e-04	1.16e-06	100.0	0.93	0.02	3.52	-2.38e-03	1.69	4.70e-03
114	29	3.38e-03	1.18	0.0	0.0	0.0	0.42	0.02	2.46	-1.61e-03	-1.27	-0.01
		-0.01	-1.27	4.10e-04	0.0	100.0	0.64	0.02	2.46	-1.61e-03	1.18	3.38e-03
114	34	0.12	1.63	-0.03	-80.00	0.0	1.12	99.80	3.22	0.27	-1.58	-99.78
		-99.78	-1.58	-4.02e-04	0.0	100.0	1.34	19.80	3.22	0.27	1.63	0.12
114	39	0.07	0.31	-0.03	-80.00	0.0	1.32	111.93	-0.40	-0.12	0.31	-111.89

		-111.89	-0.09	1.13e-03	0.0	100.0	1.54	31.93	-0.40	-0.12	-0.09	0.07
114	40	-0.01	3.46	-0.01	-80.00	0.0	-0.07	48.11	6.98	0.13	-3.53	-48.09
		-48.09	-3.53	2.50e-04	0.0	100.0	0.14	-31.89	6.98	0.13	3.46	-0.01
114	48	0.03	6.65	-0.02	-80.00	0.0	0.20	65.27	13.64	0.09	-6.99	-65.23
		-65.23	-6.99	-1.12e-03	0.0	100.0	0.41	-14.73	13.64	0.09	6.65	0.03
114	66	0.09	1.69	-0.02	-80.00	0.0	0.94	92.09	3.32	0.17	-1.63	-92.06
		-92.06	-1.63	-6.17e-05	0.0	100.0	1.16	12.09	3.32	0.17	1.69	0.09
114	71	0.06	0.55	-0.03	-80.00	0.0	1.07	100.24	0.94	-0.07	-0.38	-100.20
		-100.20	-0.38	9.71e-04	0.0	100.0	1.29	20.24	0.94	-0.07	0.55	0.06
114	72	3.07e-05	2.82	-0.02	-80.00	0.0	0.18	59.80	5.65	0.09	-2.84	-59.78
		-59.78	-2.84	4.12e-04	0.0	100.0	0.40	-20.20	5.65	0.09	2.82	3.07e-05
114	80	0.03	4.85	-0.02	-80.00	0.0	0.34	70.57	9.88	0.07	-5.04	-70.53
		-70.53	-5.04	-5.17e-04	0.0	100.0	0.56	-9.43	9.88	0.07	4.85	0.03

<b>Pilas.</b>	<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Q 2 / Q 3</b>	<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>
	-139.56	-48.57	-0.03	-100.00	-327.13	-69.71	-229.11	-2.79
	39.68	54.00	4.03e-03	3.49e-06	161.63	313.11	204.08	2.81

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	7	92.53	0.08	-3.03e-04	-10.84	0.0	-39.54	6.46	0.24	-0.51	-0.27	89.71
		89.71	-0.27	0.0	0.0	144.5	-39.54	-4.38	0.24	-0.51	0.08	91.28
1	15	182.08	-10.11	-4.61e-04	-10.84	0.0	11.69	-1.58	1.33	-1.10	-12.03	182.08
		171.03	-12.03	-2.25e-04	0.0	144.5	11.69	-12.42	1.33	-1.10	-10.11	171.03
1	18	193.65	0.59	-6.40e-04	-10.84	0.0	-78.46	12.73	0.78	-1.31	-0.54	182.33
		182.33	-0.54	-2.09e-04	0.0	144.5	-78.46	1.89	0.78	-1.31	0.59	193.65
1	19	193.63	0.58	-6.41e-04	-10.84	0.0	-81.86	12.76	0.78	-1.30	-0.55	182.27
		182.27	-0.55	0.0	0.0	144.5	-81.86	1.92	0.78	-1.30	0.58	193.63
1	20	92.53	0.08	-3.03e-04	-10.84	0.0	-39.54	6.46	0.24	-0.51	-0.27	89.71
		89.71	-0.27	0.0	0.0	144.5	-39.54	-4.38	0.24	-0.51	0.08	91.28
1	21	137.79	0.33	-3.76e-04	-10.84	0.0	-60.30	6.47	0.48	0.73	-0.37	135.09
		135.09	-0.37	0.0	0.0	144.5	-60.30	-4.37	0.48	0.73	0.33	136.47
1	22	193.65	0.59	-6.40e-04	-10.84	0.0	-78.46	12.73	0.78	-1.31	-0.54	182.33
		182.33	-0.54	-2.09e-04	0.0	144.5	-78.46	1.89	0.78	-1.31	0.59	193.65
1	24	276.80	2.09	-9.17e-04	-14.63	0.0	-131.08	18.18	7.09	-1.87	-0.89	259.97
		259.97	-0.89	2.79e-06	-12.14	144.5	-130.98	3.55	-5.05	-1.87	0.58	276.80
1	27	193.63	0.58	-6.41e-04	-10.84	0.0	-81.86	12.76	0.78	-1.30	-0.55	182.27
		182.27	-0.55	0.0	0.0	144.5	-81.86	1.92	0.78	-1.30	0.58	193.63
1	28	276.76	0.86	-9.17e-04	-14.63	0.0	-116.86	18.17	1.13	-1.88	-0.78	259.94
		259.94	-0.78	0.0	0.0	144.5	-116.86	3.54	1.13	-1.88	0.86	276.76
1	29	193.63	0.58	-6.41e-04	-10.84	0.0	-81.86	12.76	0.78	-1.30	-0.55	182.27
		182.27	-0.55	0.0	0.0	144.5	-81.86	1.92	0.78	-1.30	0.58	193.63
1	30	265.10	-9.21	-5.48e-04	-10.84	0.0	73.63	-10.95	4.37	-10.48	-11.34	265.10
		239.95	-11.34	-2.32e-03	-6.47	144.5	73.68	-21.79	-2.11	-10.48	-9.70	239.95
1	34	265.37	-9.27	-6.64e-04	-10.84	0.0	75.77	-10.93	4.33	-10.11	-11.39	265.37
		240.30	-11.39	-2.28e-03	-6.47	144.5	75.82	-21.77	-2.14	-10.11	-9.76	240.30
1	39	262.23	-10.16	-8.48e-04	-10.84	0.0	119.22	-7.58	4.20	4.26	-12.13	262.23
		242.20	-12.13	-7.00e-04	-6.47	144.5	119.27	-18.42	-2.27	4.26	-10.73	242.20
1	40	248.36	-4.49	-5.67e-04	-10.84	0.0	-162.25	3.58	4.88	-4.68	-7.14	247.89
		243.90	-7.14	3.45e-04	-6.47	144.5	-162.20	-7.26	-1.60	-4.68	-4.77	243.90
1	66	261.28	-8.50	-6.81e-04	-10.84	0.0	37.02	-7.38	4.41	-6.47	-10.69	261.28
		241.37	-10.69	-1.41e-03	-6.47	144.5	37.07	-18.22	-2.06	-6.47	-8.96	241.37
1	71	259.59	-9.12	-7.95e-04	-10.84	0.0	67.48	-5.53	4.33	2.69	-11.21	259.59
		242.52	-11.21	-5.23e-04	-6.47	144.5	67.54	-16.37	-2.15	2.69	-9.63	242.52
1	72	250.55	-5.54	-6.12e-04	-10.84	0.0	-110.52	1.52	4.75	-3.10	-8.06	250.53
		243.58	-8.06	1.68e-04	-6.47	144.5	-110.47	-9.32	-1.72	-3.10	-5.87	243.58
1	78	258.56	-7.30	-4.47e-04	-10.84	0.0	-24.07	-5.61	4.55	-5.95	-9.61	258.56
		241.15	-9.61	-5.66e-04	-6.47	144.5	-24.02	-16.45	-1.92	-5.95	-7.71	241.15
2	2	677.49	2.46	-3.92e-03	-20.41	0.0	45.13	458.22	-3.86	0.0	2.46	0.0
		0.0	-3.38	2.06e-05	0.0	151.2	45.13	437.81	-3.86	0.0	-3.38	677.49
2	7	295.66	0.77	-2.24e-03	-15.12	0.0	15.24	203.08	-0.99	0.0	0.77	0.0
		0.0	-0.72	8.52e-06	0.0	151.2	15.24	187.95	-0.99	0.0	-0.72	295.66
2	14	775.08	2.22	-4.70e-03	-20.41	0.0	156.29	522.76	-3.64	0.0	2.22	0.0
		0.0	-3.42	-3.09e-04	-0.17	151.2	134.52	502.34	-3.81	0.0	-3.42	775.08
2	18	522.11	1.03	-4.37e-03	-15.12	0.0	95.67	352.83	-1.32	0.0	1.03	0.0
		0.0	-1.05	-2.06e-04	-0.11	151.2	81.15	337.70	-1.43	0.0	-1.05	522.11
2	19	520.84	0.87	-4.37e-03	-15.12	0.0	28.56	351.99	-1.12	0.0	0.87	0.0
		0.0	-0.82	1.30e-05	0.0	151.2	28.56	336.87	-1.12	0.0	-0.82	520.84
2	20	295.66	0.77	-2.24e-03	-15.12	0.0	15.24	203.08	-0.99	0.0	0.77	0.0
		0.0	-0.72	8.52e-06	0.0	151.2	15.24	187.95	-0.99	0.0	-0.72	295.66
2	21	545.02	1.40	-3.36e-03	-15.12	0.0	38.62	367.97	-2.33	0.0	1.40	0.0
		0.0	-2.12	1.37e-05	0.0	151.2	38.62	352.85	-2.33	0.0	-2.12	545.02
2	22	522.11	1.03	-4.37e-03	-15.12	0.0	95.67	352.83	-1.32	0.0	1.03	0.0
		0.0	-1.05	-2.06e-04	-0.11	151.2	81.15	337.70	-1.43	0.0	-1.05	522.11
2	27	520.84	0.87	-4.37e-03	-15.12	0.0	28.56	351.99	-1.12	0.0	0.87	0.0
		0.0	-0.82	1.30e-05	0.0	151.2	28.56	336.87	-1.12	0.0	-0.82	520.84

2	28	736.91	1.19	-6.22e-03	-20.41	0.0	40.56	497.52	-1.53	0.0	1.19	0.0
		0.0	-1.13	1.82e-05	0.0	151.2	40.56	477.10	-1.53	0.0	-1.13	736.91
2	29	520.84	0.87	-4.37e-03	-15.12	0.0	28.56	351.99	-1.12	0.0	0.87	0.0
		0.0	-0.82	1.30e-05	0.0	151.2	28.56	336.87	-1.12	0.0	-0.82	520.84
2	30	604.58	6.41	-4.08e-03	-15.12	0.0	86.15	407.37	-9.60	0.0	6.41	0.0
		0.0	-8.18	-2.59e-03	-0.09	151.2	74.54	392.24	-9.69	0.0	-8.18	604.58
2	32	621.03	1.09	-4.31e-03	-15.12	0.0	160.03	418.24	1.83	0.0	-1.61	0.0
		0.0	-1.61	1.76e-03	-0.09	151.2	148.42	403.12	1.74	0.0	1.09	621.03
2	36	621.19	1.19	-4.31e-03	-15.12	0.0	160.46	418.35	1.98	0.0	-1.73	0.0
		0.0	-1.73	1.86e-03	-0.09	151.2	148.84	403.23	1.89	0.0	1.19	621.19
2	55	603.91	2.27	-4.12e-03	-15.12	0.0	38.86	406.92	-3.81	0.0	2.27	0.0
		0.0	-3.55	-2.01e-04	-0.09	151.2	27.25	391.80	-3.90	0.0	-3.55	603.91
2	56	618.98	1.73	-4.25e-03	-15.12	0.0	174.21	416.89	-2.91	0.0	1.73	0.0
		0.0	-2.74	-7.50e-05	-0.09	151.2	162.60	401.76	-3.00	0.0	-2.74	618.98
2	62	607.32	4.65	-4.12e-03	-15.12	0.0	94.12	409.18	-7.11	0.0	4.65	0.0
		0.0	-6.18	-1.60e-03	-0.09	151.2	82.51	394.05	-7.20	0.0	-6.18	607.32
2	64	617.35	-0.17	-4.26e-03	-15.12	0.0	140.36	415.81	-0.24	0.0	-0.17	0.0
		0.0	-0.60	9.94e-04	-0.09	151.2	128.74	400.69	-0.33	0.0	-0.60	617.35
2	76	617.56	-0.06	-4.28e-03	-15.12	0.0	138.31	415.95	-0.73	0.0	-0.06	0.0
		0.0	-1.24	8.77e-05	-0.09	151.2	126.70	400.82	-0.82	0.0	-1.24	617.56
2	87	606.62	2.15	-4.14e-03	-15.12	0.0	62.79	408.71	-3.61	0.0	2.15	0.0
		0.0	-3.37	-1.72e-04	-0.09	151.2	51.18	393.59	-3.70	0.0	-3.37	606.62
2	88	616.27	1.85	-4.23e-03	-15.12	0.0	150.28	415.10	-3.10	0.0	1.85	0.0
		0.0	-2.92	-1.04e-04	-0.09	151.2	138.67	399.97	-3.20	0.0	-2.92	616.27
3	7	92.42	0.08	3.21e-04	-10.74	0.0	-42.47	4.10	-0.25	0.19	0.08	91.31
		89.47	-0.27	0.0	0.0	143.2	-42.47	-6.64	-0.25	0.19	-0.27	89.47
3	15	172.96	-9.57	7.11e-04	-10.74	0.0	4.18	-8.31	-0.95	-30.23	-9.57	172.96
		158.70	-10.93	-2.35e-04	0.0	143.2	4.18	-19.05	-0.95	-30.23	-10.93	158.70
3	18	193.68	0.59	6.77e-04	-10.74	0.0	-91.88	-2.37	-0.78	0.72	0.59	193.68
		181.94	-0.54	-2.08e-04	0.0	143.2	-91.88	-13.11	-0.78	0.72	-0.54	181.94
3	19	193.68	0.58	6.75e-04	-10.74	0.0	-90.23	-2.34	-0.78	0.73	0.58	193.68
		181.99	-0.54	0.0	0.0	143.2	-90.23	-13.08	-0.78	0.73	-0.54	181.99
3	20	92.42	0.08	3.21e-04	-10.74	0.0	-42.47	4.10	-0.25	0.19	0.08	91.31
		89.47	-0.27	0.0	0.0	143.2	-42.47	-6.64	-0.25	0.19	-0.27	89.47
3	21	136.56	0.33	5.60e-04	-10.74	0.0	-63.57	0.23	-0.48	0.63	0.33	136.56
		128.81	-0.36	0.0	0.0	143.2	-63.57	-10.51	-0.48	0.63	-0.36	128.81
3	22	193.68	0.59	6.77e-04	-10.74	0.0	-91.88	-2.37	-0.78	0.72	0.59	193.68
		181.94	-0.54	-2.08e-04	0.0	143.2	-91.88	-13.11	-0.78	0.72	-0.54	181.94
3	24	276.85	2.06	9.64e-04	-14.50	0.0	-143.01	-4.13	4.99	1.07	0.58	276.85
		259.58	-0.88	3.87e-06	-12.03	143.2	-142.92	-18.63	-7.03	1.07	-0.88	259.58
3	27	193.68	0.58	6.75e-04	-10.74	0.0	-90.23	-2.34	-0.78	0.73	0.58	193.68
		181.99	-0.54	0.0	0.0	143.2	-90.23	-13.08	-0.78	0.73	-0.54	181.99
3	28	276.82	0.86	9.64e-04	-14.50	0.0	-128.98	-4.12	-1.14	1.07	0.86	276.82
		259.56	-0.77	0.0	0.0	143.2	-128.98	-18.62	-1.14	1.07	-0.77	259.56
3	29	193.68	0.58	6.75e-04	-10.74	0.0	-90.23	-2.34	-0.78	0.73	0.58	193.68
		181.99	-0.54	0.0	0.0	143.2	-90.23	-13.08	-0.78	0.73	-0.54	181.99
3	38	245.20	-9.61	9.73e-04	-10.74	0.0	83.21	5.68	2.80	-0.66	-10.40	242.51
		242.51	-11.18	-5.09e-03	-6.41	143.2	83.26	-5.06	-3.61	-0.66	-11.18	243.92
3	39	247.59	-9.75	9.46e-04	-10.74	0.0	105.93	8.77	2.96	3.08	-10.82	241.63
		241.63	-10.98	3.56e-03	-6.41	143.2	105.98	-1.97	-3.45	3.08	-10.98	247.49
3	40	245.86	-4.61	9.89e-04	-10.74	0.0	-169.33	-8.83	0.91	-5.47	-4.67	245.86
		226.47	-8.16	-3.93e-03	-6.41	143.2	-169.28	-19.56	-5.50	-5.47	-8.16	226.47
3	70	244.16	-8.78	9.71e-04	-10.74	0.0	40.61	3.55	2.48	-0.88	-9.42	242.96
		241.34	-10.59	-3.31e-03	-6.41	143.2	40.66	-7.18	-3.93	-0.88	-10.59	241.34
3	71	245.00	-8.90	9.53e-04	-10.74	0.0	55.48	5.58	2.58	1.58	-9.69	242.39
		242.39	-10.46	2.22e-03	-6.41	143.2	55.53	-5.16	-3.83	1.58	-10.46	243.67
3	72	245.10	-5.64	9.82e-04	-10.74	0.0	-118.88	-5.63	1.29	-3.96	-5.80	245.10
		230.28	-8.68	-2.59e-03	-6.41	143.2	-118.83	-16.37	-5.13	-3.96	-8.68	230.28
3	92	245.75	-6.66	1.16e-03	-10.74	0.0	-75.60	-4.46	1.62	-5.00	-6.88	245.75
		232.59	-9.42	-6.38e-03	-6.41	143.2	-75.55	-15.19	-4.80	-5.00	-9.42	232.59
4	7	89.74	-0.17	9.22e-04	-10.74	0.0	-37.88	-2.47	0.07	0.43	-0.27	89.74
		77.95	-0.27	-2.89e-06	0.0	143.2	-37.88	-13.21	0.07	0.43	-0.17	77.95
4	15	162.48	-3.48	1.77e-03	-10.74	0.0	6.25	-26.69	3.25	-52.27	-8.13	162.48
		123.35	-8.13	-2.56e-04	0.0	143.2	6.25	-37.42	3.25	-52.27	-3.48	123.35
4	18	182.41	-0.42	1.90e-03	-10.74	0.0	-83.86	-16.08	0.08	1.54	-0.54	182.41
		149.99	-0.54	-2.13e-04	0.0	143.2	-83.86	-26.82	0.08	1.54	-0.42	149.99
4	19	182.46	-0.41	1.90e-03	-10.74	0.0	-77.33	-16.05	0.10	1.56	-0.54	182.46
		150.09	-0.54	-5.41e-06	0.0	143.2	-77.33	-26.79	0.10	1.56	-0.41	150.09
4	20	89.74	-0.17	9.22e-04	-10.74	0.0	-37.88	-2.47	0.07	0.43	-0.27	89.74
		77.95	-0.27	-2.89e-06	0.0	143.2	-37.88	-13.21	0.07	0.43	-0.17	77.95
4	21	129.41	-0.27	1.43e-03	-10.74	0.0	-54.53	-8.07	0.06	0.12	-0.36	129.41
		109.34	-0.36	-3.90e-06	0.0	143.2	-54.53	-18.81	0.06	0.12	-0.27	109.34
4	22	182.41	-0.42	1.90e-03	-10.74	0.0	-83.86	-16.08	0.08	1.54	-0.54	182.41
		149.99	-0.54	-2.13e-04	0.0	143.2	-83.86	-26.82	0.08	1.54	-0.42	149.99
4	24	260.25	1.35	2.71e-03	-14.50	0.0	-124.23	-23.71	6.13	2.26	-0.89	260.25
		213.46	-0.89	-2.50e-06	-12.03	143.2	-124.13	-38.21	-5.89	2.26	-0.72	213.46
4	25	180.69	1.59	2.00e-03	-14.50	0.0	-90.03	-11.74	6.08	0.10	-0.61	180.69

		152.33	-0.61	-1.63e-06	-12.03	143.2	-89.94	-26.24	-5.94	0.10	-0.51	152.33
4	27	182.46	-0.41	1.90e-03	-10.74	0.0	-77.33	-16.05	0.10	1.56	-0.54	182.46
		150.09	-0.54	-5.41e-06	0.0	143.2	-77.33	-26.79	0.10	1.56	-0.41	150.09
4	28	260.22	-0.58	2.71e-03	-14.50	0.0	-110.31	-23.70	0.14	2.27	-0.78	260.22
		213.44	-0.78	-7.69e-06	0.0	143.2	-110.31	-38.20	0.14	2.27	-0.58	213.44
4	29	182.46	-0.41	1.90e-03	-10.74	0.0	-77.33	-16.05	0.10	1.56	-0.54	182.46
		150.09	-0.54	-5.41e-06	0.0	143.2	-77.33	-26.79	0.10	1.56	-0.41	150.09
4	38	246.74	-9.30	2.60e-03	-10.74	0.0	73.93	-21.34	4.11	-3.36	-11.27	246.74
		207.93	-11.27	-9.10e-04	-6.41	143.2	73.98	-32.08	-2.30	-3.36	-9.84	207.93
4	39	248.66	-9.14	2.59e-03	-10.74	0.0	93.50	-18.77	4.22	-4.20e-03	-11.03	248.66
		213.16	-11.03	-6.91e-04	-6.41	143.2	93.55	-29.51	-2.20	-4.20e-03	-9.72	213.16
4	40	227.24	-6.91	2.51e-03	-10.74	0.0	-135.40	-23.97	3.15	-9.06	-8.08	227.24
		184.80	-8.08	2.85e-04	-6.41	143.2	-135.35	-34.71	-3.26	-9.06	-8.03	184.80
4	41	229.15	-6.73	2.49e-03	-10.74	0.0	-115.83	-21.39	3.26	-5.70	-7.85	229.15
		190.03	-7.90	5.05e-04	-6.41	143.2	-115.78	-32.13	-3.15	-5.70	-7.90	190.03
4	70	243.47	-8.84	2.58e-03	-10.74	0.0	38.75	-21.35	3.95	-3.81	-10.64	243.47
		204.60	-10.64	-6.62e-04	-6.41	143.2	38.80	-32.09	-2.46	-3.81	-9.49	204.60
4	71	244.74	-8.74	2.57e-03	-10.74	0.0	51.58	-19.70	4.02	-1.60	-10.49	244.74
		208.02	-10.49	-4.88e-04	-6.41	143.2	51.63	-30.43	-2.39	-1.60	-9.41	208.02
4	72	231.16	-7.34	2.52e-03	-10.74	0.0	-93.48	-23.04	3.35	-7.46	-8.63	231.16
		189.95	-8.63	8.26e-05	-6.41	143.2	-93.43	-33.78	-3.07	-7.46	-8.34	189.95
4	73	232.42	-7.22	2.51e-03	-10.74	0.0	-80.65	-21.39	3.42	-5.24	-8.47	232.42
		193.37	-8.47	2.57e-04	-6.41	143.2	-80.60	-32.13	-3.00	-5.24	-8.26	193.37
5	7	78.64	-0.16	1.45e-03	-10.74	0.0	-29.25	-9.05	8.45e-03	0.32	-0.17	78.64
		57.16	-0.17	-4.72e-06	0.0	143.2	-29.25	-19.79	8.45e-03	0.32	-0.16	57.16
5	13	215.09	-0.58	4.16e-03	-14.50	0.0	-96.52	-37.43	0.03	2.81	-0.61	215.09
		148.12	-0.61	-3.25e-04	0.0	143.2	-96.52	-51.92	0.03	2.81	-0.58	148.12
5	15	128.64	-0.15	2.62e-03	-10.74	0.0	-0.87	-31.45	0.36	-46.69	-0.66	128.64
		82.38	-0.66	-2.57e-04	0.0	143.2	-0.87	-42.19	0.36	-46.69	-0.15	82.38
5	18	151.26	-0.40	2.92e-03	-10.74	0.0	-67.27	-25.86	0.02	1.91	-0.43	151.26
		104.46	-0.43	-2.17e-04	0.0	143.2	-67.27	-36.59	0.02	1.91	-0.40	104.46
5	19	151.36	-0.35	2.92e-03	-10.74	0.0	-56.73	-25.86	0.04	1.94	-0.41	151.36
		104.55	-0.41	-9.44e-06	0.0	143.2	-56.73	-36.60	0.04	1.94	-0.35	104.55
5	20	78.64	-0.16	1.45e-03	-10.74	0.0	-29.25	-9.05	8.45e-03	0.32	-0.17	78.64
		57.16	-0.17	-4.72e-06	0.0	143.2	-29.25	-19.79	8.45e-03	0.32	-0.16	57.16
5	21	110.54	-0.24	2.17e-03	-10.74	0.0	-40.55	-16.24	0.02	-0.05	-0.27	110.54
		78.47	-0.27	-6.65e-06	0.0	143.2	-40.55	-26.97	0.02	-0.05	-0.24	78.47
5	22	151.26	-0.40	2.92e-03	-10.74	0.0	-67.27	-25.86	0.02	1.91	-0.43	151.26
		104.46	-0.43	-2.17e-04	0.0	143.2	-67.27	-36.59	0.02	1.91	-0.40	104.46
5	24	215.27	1.47	4.16e-03	-14.50	0.0	-92.90	-37.45	6.07	2.83	-0.72	215.27
		148.25	-0.72	-5.26e-06	-12.03	143.2	-92.80	-51.95	-5.95	2.83	-0.64	148.25
5	25	154.04	1.66	3.04e-03	-14.50	0.0	-68.63	-23.02	6.04	-0.15	-0.51	154.04
		109.14	-0.51	-2.68e-06	-12.03	143.2	-68.53	-37.51	-5.99	-0.15	-0.48	109.14
5	27	151.36	-0.35	2.92e-03	-10.74	0.0	-56.73	-25.86	0.04	1.94	-0.41	151.36
		104.55	-0.41	-9.44e-06	0.0	143.2	-56.73	-36.60	0.04	1.94	-0.35	104.55
5	28	215.25	-0.50	4.16e-03	-14.50	0.0	-80.70	-37.43	0.06	2.86	-0.59	215.25
		148.25	-0.59	-1.34e-05	0.0	143.2	-80.70	-51.93	0.06	2.86	-0.50	148.25
5	29	151.36	-0.35	2.92e-03	-10.74	0.0	-56.73	-25.86	0.04	1.94	-0.41	151.36
		104.55	-0.41	-9.44e-06	0.0	143.2	-56.73	-36.60	0.04	1.94	-0.35	104.55
5	38	212.18	-8.51	4.01e-03	-10.74	0.0	62.03	-38.34	3.45	-14.60	-9.91	212.18
		150.03	-9.91	-9.97e-04	-6.41	143.2	62.08	-49.07	-2.96	-14.60	-9.43	150.03
5	39	215.45	-8.55	4.02e-03	-10.74	0.0	75.50	-37.21	3.37	-11.79	-9.77	215.45
		154.66	-9.77	-6.50e-04	-6.41	143.2	75.55	-47.95	-3.04	-11.79	-9.63	154.66
5	40	188.63	-6.52	3.76e-03	-10.74	0.0	-95.85	-36.56	3.50	-12.10	-7.94	188.63
		128.93	-7.94	2.18e-04	-6.41	143.2	-95.80	-47.30	-2.92	-12.10	-7.42	128.93
5	70	208.40	-8.15	3.96e-03	-10.74	0.0	35.27	-37.80	3.45	-13.65	-9.52	208.40
		146.96	-9.52	-7.19e-04	-6.41	143.2	35.32	-48.53	-2.97	-13.65	-9.10	146.96
5	71	210.56	-8.18	3.97e-03	-10.74	0.0	44.09	-37.09	3.40	-11.83	-9.43	210.56
		150.00	-9.43	-4.71e-04	-6.41	143.2	44.14	-47.82	-3.02	-11.83	-9.23	150.00
5	72	193.52	-6.90	3.81e-03	-10.74	0.0	-64.44	-36.69	3.48	-12.06	-8.28	193.52
		133.60	-8.28	3.84e-05	-6.41	143.2	-64.39	-47.43	-2.94	-12.06	-7.83	133.60
6	6	2160.47	-0.67	2.75e-03	-19.35	0.0	304.60	-259.30	0.50	0.54	-1.40	2160.47
		1774.93	-1.40	-7.62e-06	0.0	143.3	304.60	-278.66	0.50	0.54	-0.67	1774.93
6	7	734.32	-0.22	9.37e-04	-14.33	0.0	105.65	-65.04	0.12	0.10	-0.39	734.32
		630.83	-0.39	-2.71e-06	0.0	143.3	105.65	-79.37	0.12	0.10	-0.22	630.83
6	15	1041.92	-0.46	1.40e-03	-14.33	0.0	161.29	-134.62	1.15	-8.29	-2.11	1041.92
		838.69	-2.11	-2.38e-04	0.0	143.3	161.29	-148.95	1.15	-8.29	-0.46	838.69
6	18	1512.97	-0.49	1.93e-03	-14.33	0.0	210.29	-179.22	0.49	0.36	-1.06	1512.97
		1245.81	-1.06	-2.13e-04	-0.18	143.3	187.36	-193.56	0.31	0.36	-0.49	1245.81
6	19	1513.74	-0.47	1.93e-03	-14.33	0.0	213.63	-179.37	0.35	0.37	-0.97	1513.74
		1246.37	-0.97	-5.35e-06	0.0	143.3	213.63	-193.71	0.35	0.37	-0.47	1246.37
6	20	734.32	-0.22	9.37e-04	-14.33	0.0	105.65	-65.04	0.12	0.10	-0.39	734.32
		630.83	-0.39	-2.71e-06	0.0	143.3	105.65	-79.37	0.12	0.10	-0.22	630.83
6	21	1038.35	-0.29	1.43e-03	-14.33	0.0	150.75	-94.35	0.17	-0.19	-0.53	1038.35
		892.84	-0.53	-3.50e-06	0.0	143.3	150.75	-108.68	0.17	-0.19	-0.29	892.84
6	22	1512.97	-0.49	1.93e-03	-14.33	0.0	210.29	-179.22	0.49	0.36	-1.06	1512.97
		1245.81	-1.06	-2.13e-04	-0.18	143.3	187.36	-193.56	0.31	0.36	-0.49	1245.81

6	25	1447.31	-0.14	2.00e-03	-19.35	0.0	208.02	-131.74	0.24	-0.31	-0.48	1447.31
		1244.62	-0.48	1.73e-06	0.0	143.3	208.02	-151.09	0.24	-0.31	-0.14	1244.62
6	27	1513.74	-0.47	1.93e-03	-14.33	0.0	213.63	-179.37	0.35	0.37	-0.97	1513.74
		1246.37	-0.97	-5.35e-06	0.0	143.3	213.63	-193.71	0.35	0.37	-0.47	1246.37
6	28	2160.47	-0.67	2.75e-03	-19.35	0.0	304.60	-259.30	0.50	0.54	-1.40	2160.47
		1774.93	-1.40	-7.62e-06	0.0	143.3	304.60	-278.66	0.50	0.54	-0.67	1774.93
6	29	1513.74	-0.47	1.93e-03	-14.33	0.0	213.63	-179.37	0.35	0.37	-0.97	1513.74
		1246.37	-0.97	-5.35e-06	0.0	143.3	213.63	-193.71	0.35	0.37	-0.47	1246.37
6	31	1742.86	-2.13	2.41e-03	-14.33	0.0	289.56	-278.83	1.60	-12.12	-4.32	1742.86
		1326.30	-4.32	-2.16e-03	-0.15	143.3	271.21	-293.16	1.45	-12.12	-2.13	1326.30
6	38	1734.70	-2.73	2.42e-03	-14.33	0.0	268.08	-287.63	1.90	-13.06	-5.33	1734.70
		1315.27	-5.33	-8.99e-04	-0.15	143.3	249.73	-301.96	1.75	-13.06	-2.73	1315.27
6	41	1701.46	0.09	2.32e-03	-14.33	0.0	239.93	-243.74	0.59	-7.17	-0.67	1701.46
		1338.71	-0.67	5.15e-04	-0.15	143.3	221.58	-258.07	0.45	-7.17	0.09	1338.71
6	50	1711.20	-2.01	2.38e-03	-14.33	0.0	218.63	-277.11	1.58	-11.61	-4.14	1711.20
		1314.25	-4.14	-7.41e-04	-0.15	143.3	200.29	-291.44	1.43	-11.61	-2.01	1314.25
6	59	1729.74	-1.52	2.38e-03	-14.33	0.0	305.87	-268.40	1.33	-10.40	-3.33	1729.74
		1329.23	-3.33	-5.41e-05	-0.15	143.3	287.53	-282.73	1.19	-10.40	-1.52	1329.23
6	60	1706.42	-1.12	2.37e-03	-14.33	0.0	202.14	-262.97	1.16	-9.83	-2.67	1706.42
		1324.75	-2.67	-3.31e-04	-0.15	143.3	183.79	-277.31	1.01	-9.83	-1.12	1324.75
6	70	1728.51	-2.21	2.40e-03	-14.33	0.0	262.87	-279.58	1.65	-11.97	-4.47	1728.51
		1319.59	-4.47	-6.52e-04	-0.15	143.3	244.52	-293.92	1.51	-11.97	-2.21	1319.59
6	71	1733.63	-2.10	2.41e-03	-14.33	0.0	279.72	-277.47	1.60	-11.72	-4.29	1733.63
		1323.50	-4.29	-4.76e-04	-0.15	143.3	261.37	-291.81	1.45	-11.72	-2.10	1323.50
6	73	1707.66	-0.43	2.34e-03	-14.33	0.0	245.14	-251.79	0.84	-8.26	-1.53	1707.66
		1334.40	-1.53	2.67e-04	-0.15	143.3	226.80	-266.12	0.69	-8.26	-0.43	1334.40
6	82	1713.45	-1.75	2.37e-03	-14.33	0.0	231.11	-273.06	1.45	-11.06	-3.72	1713.45
		1318.84	-3.72	-5.97e-04	-0.15	143.3	212.76	-287.39	1.31	-11.06	-1.75	1318.84
6	91	1725.61	-1.45	2.38e-03	-14.33	0.0	287.61	-267.32	1.30	-10.30	-3.21	1725.61
		1328.54	-3.21	-6.14e-05	-0.15	143.3	269.27	-281.65	1.16	-10.30	-1.45	1328.54
6	92	1710.56	-1.19	2.37e-03	-14.33	0.0	220.40	-264.05	1.19	-9.93	-2.79	1710.56
		1325.45	-2.79	-3.23e-04	-0.15	143.3	202.05	-278.39	1.04	-9.93	-1.19	1325.45
7	6	2340.97	0.58	9.78e-04	-19.35	0.0	347.19	-117.51	-1.38	-0.78	0.58	2340.97
		2158.67	-1.40	0.0	0.0	143.3	347.19	-136.86	-1.38	-0.78	-1.40	2158.67
7	7	782.88	0.02	3.30e-04	-14.33	0.0	117.64	-26.97	-0.28	-0.30	0.02	782.88
		733.95	-0.39	0.0	0.0	143.3	117.64	-41.30	-0.28	-0.30	-0.39	733.95
7	13	2340.48	1.11	9.80e-04	-19.35	0.0	356.73	-117.28	-1.71	-0.78	1.11	2340.48
		2158.50	-1.54	-3.12e-04	-0.27	143.3	322.33	-136.63	-1.98	-0.78	-1.54	2158.50
7	15	1220.60	0.52	5.33e-04	-14.33	0.0	186.75	-117.53	-1.83	-8.02	0.52	1220.60
		1041.87	-2.11	-2.28e-04	0.0	143.3	186.75	-131.86	-1.83	-8.02	-2.11	1041.87
7	18	1638.61	0.74	6.86e-04	-14.33	0.0	249.58	-80.89	-1.17	-0.55	0.74	1638.61
		1512.40	-1.06	-2.08e-04	-0.18	143.3	226.65	-95.22	-1.35	-0.55	-1.06	1512.40
7	19	1638.93	0.39	6.85e-04	-14.33	0.0	243.23	-81.03	-0.95	-0.55	0.39	1638.93
		1512.51	-0.97	0.0	0.0	143.3	243.23	-95.37	-0.95	-0.55	-0.97	1512.51
7	20	782.88	0.02	3.30e-04	-14.33	0.0	117.64	-26.97	-0.28	-0.30	0.02	782.88
		733.95	-0.39	0.0	0.0	143.3	117.64	-41.30	-0.28	-0.30	-0.39	733.95
7	21	1103.06	0.17	5.71e-04	-14.33	0.0	168.76	-38.34	-0.49	-0.37	0.17	1103.06
		1037.84	-0.53	0.0	0.0	143.3	168.76	-52.67	-0.49	-0.37	-0.53	1037.84
7	22	1638.61	0.74	6.86e-04	-14.33	0.0	249.58	-80.89	-1.17	-0.55	0.74	1638.61
		1512.40	-1.06	-2.08e-04	-0.18	143.3	226.65	-95.22	-1.35	-0.55	-1.06	1512.40
7	27	1638.93	0.39	6.85e-04	-14.33	0.0	243.23	-81.03	-0.95	-0.55	0.39	1638.93
		1512.51	-0.97	0.0	0.0	143.3	243.23	-95.37	-0.95	-0.55	-0.97	1512.51
7	28	2340.97	0.58	9.78e-04	-19.35	0.0	347.19	-117.51	-1.38	-0.78	0.58	2340.97
		2158.67	-1.40	0.0	0.0	143.3	347.19	-136.86	-1.38	-0.78	-1.40	2158.67
7	29	1638.93	0.39	6.85e-04	-14.33	0.0	243.23	-81.03	-0.95	-0.55	0.39	1638.93
		1512.51	-0.97	0.0	0.0	143.3	243.23	-95.37	-0.95	-0.55	-0.97	1512.51
7	32	1952.99	5.63	9.34e-04	-14.33	0.0	274.34	-181.99	-4.98	-7.26	5.63	1952.99
		1688.83	-1.69	1.87e-03	-0.15	143.3	255.99	-196.32	-5.13	-7.26	-1.69	1688.83
7	38	2097.12	-0.02	9.78e-04	-14.33	0.0	339.30	-247.41	-3.53	-13.48	-0.02	2097.12
		1739.31	-5.33	-7.97e-04	-0.15	143.3	320.95	-261.74	-3.67	-13.48	-5.33	1739.31
7	39	2111.22	-1.11	9.79e-04	-14.33	0.0	360.74	-242.00	-2.77	-12.95	-1.11	2111.22
		1747.01	-5.04	-7.21e-04	-0.15	143.3	342.39	-256.33	-2.92	-12.95	-5.04	1747.01
7	40	1942.13	6.11	9.18e-04	-14.33	0.0	267.08	-174.41	-4.76	-6.77	6.11	1942.13
		1688.93	-0.96	3.63e-04	-0.15	143.3	248.73	-188.75	-4.91	-6.77	-0.96	1688.93
7	70	2070.97	0.92	9.67e-04	-14.33	0.0	329.87	-232.99	-3.62	-12.14	0.92	2070.97
		1731.36	-4.47	-5.85e-04	-0.15	143.3	311.52	-247.33	-3.76	-12.14	-4.47	1731.36
7	71	2080.23	0.21	9.68e-04	-14.33	0.0	343.78	-229.48	-3.13	-11.81	0.21	2080.23
		1736.41	-4.29	-4.96e-04	-0.15	143.3	325.43	-243.81	-3.27	-11.81	-4.29	1736.41
7	72	1973.12	4.80	9.29e-04	-14.33	0.0	284.04	-186.93	-4.41	-7.91	4.80	1973.12
		1699.53	-1.71	1.38e-04	-0.15	143.3	265.69	-201.27	-4.55	-7.91	-1.71	1699.53
7	83	2056.78	0.73	9.55e-04	-14.33	0.0	343.96	-209.25	-2.83	-9.96	0.73	2056.78
		1731.17	-3.11	-1.40e-04	-0.15	143.3	325.62	-223.59	-2.98	-9.96	-3.11	1731.17
7	84	1996.56	4.28	9.41e-04	-14.33	0.0	283.85	-207.16	-4.70	-9.77	4.28	1996.56
		1704.78	-2.89	-2.19e-04	-0.15	143.3	265.51	-221.49	-4.85	-9.77	-2.89	1704.78
8	7	782.81	-0.03	-3.13e-04	-14.36	0.0	117.81	40.01	0.25	0.11	-0.38	735.69
		735.69	-0.38	0.0	0.0	143.6	117.81	25.65	0.25	0.11	-0.03	782.81
8	13	2341.40	-0.09	-9.29e-04	-19.38	0.0	371.04	133.96	0.98	0.33	-1.30	2163.02



		2163.02	-1.30	-3.12e-04	-0.27	143.6	336.58	114.58	0.71	0.33	-0.09	2341.40
8	15	1221.41	1.06	-4.51e-04	-14.36	0.0	189.33	81.52	2.49	7.27	-2.52	1114.69
		1114.69	-2.52	-2.26e-04	0.0	143.6	189.33	67.17	2.49	7.27	1.06	1221.41
8	18	1639.22	-0.06	-6.51e-04	-14.36	0.0	259.14	93.30	0.68	0.23	-0.91	1515.58
		1515.58	-0.91	-2.08e-04	-0.18	143.6	236.17	78.95	0.50	0.23	-0.06	1639.22
8	19	1638.89	0.32	-6.52e-04	-14.36	0.0	243.51	93.16	0.90	0.23	-0.97	1515.47
		1515.47	-0.97	0.0	0.0	143.6	243.51	78.80	0.90	0.23	0.32	1638.89
8	20	782.81	-0.03	-3.13e-04	-14.36	0.0	117.81	40.01	0.25	0.11	-0.38	735.69
		735.69	-0.38	0.0	0.0	143.6	117.81	25.65	0.25	0.11	-0.03	782.81
8	21	1102.58	0.36	-3.50e-04	-14.36	0.0	172.98	10.33	0.67	1.05	-0.60	1097.25
		1097.25	-0.60	0.0	0.0	143.6	172.98	-4.03	0.67	1.05	0.36	1101.78
8	22	1639.22	-0.06	-6.51e-04	-14.36	0.0	259.14	93.30	0.68	0.23	-0.91	1515.58
		1515.58	-0.91	-2.08e-04	-0.18	143.6	236.17	78.95	0.50	0.23	-0.06	1639.22
8	27	1638.89	0.32	-6.52e-04	-14.36	0.0	243.51	93.16	0.90	0.23	-0.97	1515.47
		1515.47	-0.97	0.0	0.0	143.6	243.51	78.80	0.90	0.23	0.32	1638.89
8	28	2340.91	0.49	-9.31e-04	-19.38	0.0	347.59	133.73	1.32	0.33	-1.40	2162.85
		2162.85	-1.40	0.0	0.0	143.6	347.59	114.35	1.32	0.33	0.49	2340.91
8	29	1638.89	0.32	-6.52e-04	-14.36	0.0	243.51	93.16	0.90	0.23	-0.97	1515.47
		1515.47	-0.97	0.0	0.0	143.6	243.51	78.80	0.90	0.23	0.32	1638.89
8	39	2107.98	-0.07	-7.06e-04	-14.36	0.0	367.17	177.65	4.33	12.98	-6.29	1859.15
		1859.15	-6.29	3.58e-03	-0.15	143.6	348.80	163.29	4.18	12.98	-0.07	2107.98
8	40	1941.62	3.53	-6.59e-04	-14.36	0.0	290.16	103.38	2.11	5.89	0.72	1807.65
		1807.65	0.72	-3.95e-03	-0.15	143.6	271.79	89.02	1.97	5.89	3.53	1941.62
8	41	1954.64	4.27	-6.65e-04	-14.36	0.0	295.68	109.77	2.85	6.70	0.15	1803.24
		1803.24	0.15	4.70e-03	-0.15	143.6	277.31	95.41	2.71	6.70	4.27	1954.64
8	45	1944.42	4.15	-6.64e-04	-14.36	0.0	295.19	108.94	2.76	6.64	0.22	1802.81
		1802.81	0.22	3.27e-03	-0.15	143.6	276.81	94.58	2.61	6.64	4.15	1944.42
8	71	2077.44	0.60	-6.98e-04	-14.36	0.0	353.02	164.03	3.93	11.69	-5.00	1849.57
		1849.57	-5.00	2.19e-03	-0.15	143.6	334.64	149.68	3.78	11.69	0.60	2077.44
8	72	1972.17	2.87	-6.68e-04	-14.36	0.0	304.31	117.00	2.51	7.18	-0.57	1817.22
		1817.22	-0.57	-2.56e-03	-0.15	143.6	285.94	102.64	2.37	7.18	2.87	1972.17
8	73	1980.66	3.33	-6.72e-04	-14.36	0.0	307.89	121.16	2.99	7.71	-0.94	1814.32
		1814.32	-0.94	2.89e-03	-0.15	143.6	289.51	106.81	2.85	7.71	3.33	1980.66
8	77	1974.07	3.25	-6.71e-04	-14.36	0.0	307.59	120.64	2.93	7.68	-0.89	1814.11
		1814.11	-0.89	2.00e-03	-0.15	143.6	289.21	106.28	2.78	7.68	3.25	1974.07
10	3	-5.65	0.0	1.25e-05	-22.82	0.0	-9.03	3.84	-8.02e-03	-4.96	0.0	-6.16
		-18.26	-0.01	-6.91e-06	0.0	160.0	-9.03	-18.97	-8.02e-03	-4.96	-0.01	-18.26
10	14	-3.81	-4.76e-05	-5.07e-06	-22.82	0.0	-8.76	7.36	-0.19	-0.80	-4.76e-05	-5.70
		-12.18	-0.30	-3.57e-04	0.0	160.0	-8.76	-15.46	-0.19	-0.80	-0.30	-12.18
10	15	4.28	0.34	-2.28e-05	-16.90	0.0	6.12	-1.54	0.22	14.73	-3.73e-05	4.28
		-11.70	-3.73e-05	-2.78e-04	0.0	160.0	6.12	-18.44	0.22	14.73	0.34	-11.70
10	18	-3.55	-3.20e-05	-1.01e-06	-16.90	0.0	-8.15	4.52	-0.11	-1.60	-3.20e-05	-4.51
		-10.81	-0.18	-2.40e-04	0.0	160.0	-8.15	-12.38	-0.11	-1.60	-0.18	-10.81
10	19	-3.43	0.0	-1.13e-06	-16.90	0.0	-7.13	4.25	-0.01	-1.66	0.0	-4.29
		-11.01	-0.02	-6.55e-06	0.0	160.0	-7.13	-12.65	-0.01	-1.66	-0.02	-11.01
10	20	-2.96	0.0	5.49e-06	-16.90	0.0	-3.88	4.35	-0.02	-2.00	0.0	-3.86
		-10.42	-0.04	-2.69e-06	0.0	160.0	-3.88	-12.55	-0.02	-2.00	-0.04	-10.42
10	21	-2.75	0.0	-2.95e-06	-16.90	0.0	-5.20	5.07	-0.03	-0.80	0.0	-3.96
		-9.37	-0.04	-4.89e-06	0.0	160.0	-5.20	-11.83	-0.03	-0.80	-0.04	-9.37
10	22	-3.55	-3.20e-05	-1.01e-06	-16.90	0.0	-8.15	4.52	-0.11	-1.60	-3.20e-05	-4.51
		-10.81	-0.18	-2.40e-04	0.0	160.0	-8.15	-12.38	-0.11	-1.60	-0.18	-10.81
10	24	-5.00	0.0	-2.25e-06	-22.82	0.0	-14.62	6.23	-0.08	-2.11	0.0	-6.35
		-14.63	-0.13	-1.35e-06	0.0	160.0	-14.62	-16.58	-0.08	-2.11	-0.13	-14.63
10	27	-3.43	0.0	-1.13e-06	-16.90	0.0	-7.13	4.25	-0.01	-1.66	0.0	-4.29
		-11.01	-0.02	-6.55e-06	0.0	160.0	-7.13	-12.65	-0.01	-1.66	-0.02	-11.01
10	28	-4.71	-1.25e-06	-2.51e-06	-22.82	0.0	-10.11	5.72	-0.01	-2.19	-1.25e-06	-5.85
		-14.95	-0.02	-9.42e-06	0.0	160.0	-10.11	-17.09	-0.01	-2.19	-0.02	-14.95
10	29	-3.43	0.0	-1.13e-06	-16.90	0.0	-7.13	4.25	-0.01	-1.66	0.0	-4.29
		-11.01	-0.02	-6.55e-06	0.0	160.0	-7.13	-12.65	-0.01	-1.66	-0.02	-11.01
10	39	10.01	1.57	-1.96e-05	-16.90	0.0	61.21	-11.58	0.98	21.38	-4.94e-05	10.01
		-22.30	-4.94e-05	1.72e-04	0.0	160.0	61.21	-28.48	0.98	21.38	1.57	-22.30
10	40	1.58	-1.55e-05	-1.16e-05	-16.90	0.0	-12.57	-5.48	-0.30	11.04	-1.55e-05	1.58
		-20.44	-0.48	-6.54e-04	0.0	160.0	-12.57	-22.38	-0.30	11.04	-0.48	-20.44
10	50	5.60	0.48	-7.94e-06	-16.90	0.0	16.58	-10.46	0.30	16.19	-1.63e-04	5.60
		-23.78	-1.63e-04	-1.62e-03	0.0	160.0	16.58	-27.36	0.30	16.19	0.48	-23.78
10	71	8.47	1.19	-1.82e-05	-16.90	0.0	47.78	-10.45	0.74	19.48	-4.27e-05	8.47
		-21.95	-4.27e-05	-8.68e-06	0.0	160.0	47.78	-27.35	0.74	19.48	1.19	-21.95
10	72	3.12	-2.22e-05	-1.30e-05	-16.90	0.0	0.87	-6.61	-0.07	12.94	-2.22e-05	3.12
		-20.79	-0.11	-4.74e-04	0.0	160.0	0.87	-23.51	-0.07	12.94	-0.11	-20.79
10	82	5.64	0.49	-1.05e-05	-16.90	0.0	19.04	-9.73	0.31	16.17	-1.15e-04	5.64
		-22.89	-1.15e-04	-1.11e-03	0.0	160.0	19.04	-26.63	0.31	16.17	0.49	-22.89
11	7	736.05	-0.22	-9.23e-04	-14.36	0.0	106.14	78.16	-0.11	-0.29	-0.22	634.16
		634.16	-0.38	2.68e-06	0.0	143.6	106.14	63.80	-0.11	-0.29	-0.38	736.05
11	13	2165.76	-0.71	-2.71e-03	-19.38	0.0	343.80	275.88	-0.28	-1.04	-0.71	1783.65
		1783.65	-1.30	-3.05e-04	-0.27	143.6	309.35	256.50	-0.55	-1.04	-1.30	2165.76
11	15	1114.32	-1.15	-1.37e-03	-14.36	0.0	163.57	172.28	-0.95	7.95	-1.15	877.31
		877.31	-2.52	-2.14e-04	0.0	143.6	163.57	157.92	-0.95	7.95	-2.52	1114.32

11	18	1517.45	-0.49	-1.90e-03	-14.36	0.0	239.82	191.74	-0.20	-0.72	-0.49	1252.51
		1252.51	-0.91	-2.03e-04	-0.18	143.6	216.85	177.38	-0.38	-0.72	-0.91	1517.45
11	19	1516.68	-0.49	-1.90e-03	-14.36	0.0	214.41	191.58	-0.34	-0.72	-0.49	1251.96
		1251.96	-0.97	5.28e-06	0.0	143.6	214.41	177.23	-0.34	-0.72	-0.97	1516.68
11	20	736.05	-0.22	-9.23e-04	-14.36	0.0	106.14	78.16	-0.11	-0.29	-0.22	634.16
		634.16	-0.38	2.68e-06	0.0	143.6	106.14	63.80	-0.11	-0.29	-0.38	736.05
11	21	1097.32	-0.36	-1.25e-03	-14.36	0.0	163.42	66.29	-0.17	0.74	-0.36	1012.46
		1012.46	-0.60	2.37e-06	0.0	143.6	163.42	51.94	-0.17	0.74	-0.60	1097.32
11	22	1517.45	-0.49	-1.90e-03	-14.36	0.0	239.82	191.74	-0.20	-0.72	-0.49	1252.51
		1252.51	-0.91	-2.03e-04	-0.18	143.6	216.85	177.38	-0.38	-0.72	-0.91	1517.45
11	27	1516.68	-0.49	-1.90e-03	-14.36	0.0	214.41	191.58	-0.34	-0.72	-0.49	1251.96
		1251.96	-0.97	5.28e-06	0.0	143.6	214.41	177.23	-0.34	-0.72	-0.97	1516.68
11	28	2164.61	-0.70	-2.72e-03	-19.38	0.0	305.69	275.65	-0.49	-1.03	-0.70	1782.81
		1782.81	-1.40	7.52e-06	0.0	143.6	305.69	256.27	-0.49	-1.03	-1.40	2164.61
11	29	1516.68	-0.49	-1.90e-03	-14.36	0.0	214.41	191.58	-0.34	-0.72	-0.49	1251.96
		1251.96	-0.97	5.28e-06	0.0	143.6	214.41	177.23	-0.34	-0.72	-0.97	1516.68
11	38	1858.96	-2.29	-2.23e-03	-14.36	0.0	328.11	276.37	-2.32	12.23	-2.29	1469.96
		1469.96	-5.72	-8.22e-04	-0.15	143.6	309.74	262.01	-2.46	12.23	-5.72	1858.96
11	39	1855.33	-2.46	-2.24e-03	-14.36	0.0	318.29	279.89	-2.59	12.84	-2.46	1466.02
		1466.02	-6.29	-6.00e-04	-0.15	143.6	299.91	265.53	-2.74	12.84	-6.29	1855.33
11	40	1812.33	0.72	-2.14e-03	-14.36	0.0	271.41	240.73	0.69	7.32	-0.17	1474.90
		1474.90	-0.17	2.61e-04	-0.15	143.6	253.04	226.37	0.54	7.32	0.72	1812.33
11	41	1808.70	0.15	-2.15e-03	-14.36	0.0	261.59	244.25	0.41	7.93	-0.34	1470.96
		1470.96	-0.34	4.83e-04	-0.15	143.6	243.21	229.89	0.27	7.93	0.15	1808.70
11	42	1860.03	-2.30	-2.23e-03	-14.36	0.0	327.51	276.89	-2.36	12.31	-2.30	1471.90
		1471.90	-5.79	-7.65e-04	-0.15	143.6	309.13	262.53	-2.51	12.31	-5.79	1860.03
11	55	1829.85	-1.88	-2.20e-03	-14.36	0.0	287.76	270.25	-1.67	11.55	-1.88	1454.28
		1454.28	-4.37	-6.15e-04	-0.15	143.6	269.38	255.90	-1.81	11.55	-4.37	1829.85
11	70	1849.71	-1.93	-2.22e-03	-14.36	0.0	315.73	270.41	-1.81	11.43	-1.93	1470.18
		1470.18	-4.63	-5.58e-04	-0.15	143.6	297.35	256.06	-1.96	11.43	-4.63	1849.71
11	71	1847.34	-2.04	-2.22e-03	-14.36	0.0	309.63	272.71	-1.99	11.83	-2.04	1467.53
		1467.53	-5.00	-4.55e-04	-0.15	143.6	291.25	258.35	-2.14	11.83	-5.00	1847.34
11	72	1820.32	-0.55	-2.16e-03	-14.36	0.0	280.07	247.91	0.09	8.33	-0.59	1473.38
		1473.38	-0.59	1.16e-04	-0.15	143.6	261.70	233.55	-0.06	8.33	-0.57	1820.32
11	73	1817.95	-0.70	-2.16e-03	-14.36	0.0	273.97	250.20	-0.09	8.73	-0.70	1470.74
		1470.74	-0.94	2.19e-04	-0.15	143.6	255.60	235.85	-0.24	8.73	-0.94	1817.95
11	74	1850.35	-1.93	-2.22e-03	-14.36	0.0	315.40	270.75	-1.84	11.48	-1.93	1471.41
		1471.41	-4.68	-5.28e-04	-0.15	143.6	297.03	256.39	-1.98	11.48	-4.68	1850.35
11	87	1831.15	-1.67	-2.20e-03	-14.36	0.0	290.12	266.53	-1.40	11.01	-1.67	1459.98
		1459.98	-3.78	-4.70e-04	-0.15	143.6	271.74	252.18	-1.55	11.01	-3.78	1831.15
12	7	635.28	-0.21	-1.45e-03	-14.36	0.0	85.47	116.30	-7.85e-03	-0.41	-0.21	478.63
		478.63	-0.22	4.55e-06	0.0	143.6	85.47	101.95	-7.85e-03	-0.41	-0.22	635.28
12	13	1787.84	-0.61	-4.20e-03	-19.38	0.0	292.47	350.32	0.08	-1.93	-0.62	1298.86
		1298.86	-0.71	-2.99e-04	-0.27	143.6	258.02	330.94	-0.20	-1.93	-0.71	1787.84
12	15	880.39	-0.28	-2.10e-03	-14.36	0.0	127.19	188.98	-0.61	10.93	-0.28	619.41
		619.41	-1.15	-2.04e-04	0.0	143.6	127.19	174.63	-0.61	10.93	-1.15	880.39
12	18	1255.42	-0.43	-2.94e-03	-14.36	0.0	203.53	245.18	0.05	-1.33	-0.44	913.77
		913.77	-0.49	-1.99e-04	-0.18	143.6	180.56	230.82	-0.13	-1.33	-0.49	1255.42
12	19	1254.23	-0.47	-2.94e-03	-14.36	0.0	167.65	245.00	-0.01	-1.33	-0.47	912.83
		912.83	-0.49	9.52e-06	0.0	143.6	167.65	230.64	-0.01	-1.33	-0.49	1254.23
12	20	635.28	-0.21	-1.45e-03	-14.36	0.0	85.47	116.30	-7.85e-03	-0.41	-0.21	478.63
		478.63	-0.22	4.55e-06	0.0	143.6	85.47	101.95	-7.85e-03	-0.41	-0.22	635.28
12	21	1013.73	-0.36	-2.09e-03	-14.36	0.0	140.50	121.50	0.08	0.33	-0.48	849.62
		849.62	-0.48	5.53e-06	0.0	143.6	140.50	107.14	0.08	0.33	-0.36	1013.73
12	22	1255.42	-0.43	-2.94e-03	-14.36	0.0	203.53	245.18	0.05	-1.33	-0.44	913.77
		913.77	-0.49	-1.99e-04	-0.18	143.6	180.56	230.82	-0.13	-1.33	-0.49	1255.42
12	28	1786.05	-0.67	-4.20e-03	-19.38	0.0	238.65	350.05	-0.01	-1.94	-0.67	1297.46
		1297.46	-0.70	1.36e-05	0.0	143.6	238.65	330.67	-0.01	-1.94	-0.70	1786.05
12	29	1254.23	-0.47	-2.94e-03	-14.36	0.0	167.65	245.00	-0.01	-1.33	-0.47	912.83
		912.83	-0.49	9.52e-06	0.0	143.6	167.65	230.64	-0.01	-1.33	-0.49	1254.23
12	35	1457.96	-2.24	-3.49e-03	-14.36	0.0	251.69	297.10	0.04	16.30	-2.24	1041.54
		1041.54	-2.40	-2.14e-03	-0.15	143.6	233.31	282.74	-0.10	16.30	-2.40	1457.96
12	39	1467.55	-2.29	-3.48e-03	-14.36	0.0	254.27	293.18	0.02	16.03	-2.29	1055.16
		1055.16	-2.46	-5.14e-04	-0.15	143.6	235.90	278.83	-0.12	16.03	-2.46	1467.55
12	40	1482.14	0.02	-3.36e-03	-14.36	0.0	226.20	274.90	-0.13	10.10	0.02	1099.65
		1099.65	-0.17	1.98e-04	-0.15	143.6	207.83	260.55	-0.28	10.10	-0.17	1482.14
12	50	1481.20	-1.00	-3.38e-03	-14.36	0.0	267.04	290.38	-0.21	14.85	-1.00	1081.11
		1081.11	-1.34	-9.01e-04	-0.15	143.6	248.67	276.03	-0.35	14.85	-1.34	1481.20
12	53	1468.49	-1.25	-3.46e-03	-14.36	0.0	213.43	277.70	0.10	11.28	-1.27	1073.70
		1073.70	-1.29	5.85e-04	-0.15	143.6	195.06	263.35	-0.04	11.28	-1.29	1468.49
12	56	1492.83	-0.41	-3.40e-03	-14.36	0.0	255.03	283.11	-0.21	12.66	-0.41	1098.71
		1098.71	-0.75	1.32e-04	-0.15	143.6	236.65	268.75	-0.36	12.66	-0.75	1492.83
12	67	1464.20	-1.81	-3.47e-03	-14.36	0.0	246.81	291.89	5.74e-03	15.01	-1.81	1055.38
		1055.38	-1.98	-1.35e-03	-0.15	143.6	228.43	277.54	-0.14	15.01	-1.98	1464.20
12	71	1470.12	-1.87	-3.46e-03	-14.36	0.0	249.02	289.82	-4.09e-03	14.94	-1.87	1063.24
		1063.24	-2.04	-3.94e-04	-0.15	143.6	230.65	275.46	-0.15	14.94	-2.04	1470.12
12	72	1479.57	-0.40	-3.38e-03	-14.36	0.0	231.45	278.27	-0.10	11.20	-0.40	1091.57

		1091.57	-0.59	7.75e-05	-0.15	143.6	213.08	263.91	-0.25	11.20	-0.59	1479.57
12	82	1479.11	-1.04	-3.39e-03	-14.36	0.0	257.09	287.99	-0.15	14.19	-1.04	1080.09
		1080.09	-1.33	-5.74e-04	-0.15	143.6	238.71	273.63	-0.30	14.19	-1.33	1479.11
12	85	1470.57	-1.23	-3.45e-03	-14.36	0.0	223.39	280.10	0.05	11.94	-1.23	1074.72
		1074.72	-1.30	2.57e-04	-0.15	143.6	205.01	265.74	-0.10	11.94	-1.30	1470.57
12	88	1486.46	-0.67	-3.41e-03	-14.36	0.0	249.92	283.53	-0.16	12.82	-0.67	1091.01
		1091.01	-0.96	3.64e-05	-0.15	143.6	231.55	269.18	-0.30	12.82	-0.96	1486.46
13	7	480.21	-0.21	-1.84e-03	-14.36	0.0	56.27	154.43	0.05	-0.46	-0.28	268.83
		268.83	-0.28	6.26e-06	0.0	143.6	56.27	140.07	0.05	-0.46	-0.21	480.21
13	13	1304.63	-0.59	-5.27e-03	-19.38	0.0	225.41	423.65	0.17	-2.47	-0.67	710.38
		710.38	-0.67	-2.94e-04	-0.27	143.6	190.96	404.27	-0.10	-2.47	-0.62	1304.63
13	15	621.35	-0.28	-2.62e-03	-14.36	0.0	82.25	213.66	0.82	14.00	-1.46	324.94
		324.94	-1.46	-2.00e-04	0.0	143.6	82.25	199.31	0.82	14.00	-0.28	621.35
13	18	917.77	-0.42	-3.70e-03	-14.36	0.0	155.90	297.88	0.12	-1.69	-0.47	500.47
		500.47	-0.47	-1.96e-04	-0.18	143.6	132.94	283.52	-0.06	-1.69	-0.44	917.77
13	19	916.41	-0.47	-3.70e-03	-14.36	0.0	107.34	298.04	6.95e-03	-1.71	-0.48	498.87
		498.87	-0.48	1.31e-05	0.0	143.6	107.34	283.69	6.95e-03	-1.71	-0.47	916.41
13	20	480.21	-0.21	-1.84e-03	-14.36	0.0	56.27	154.43	0.05	-0.46	-0.28	268.83
		268.83	-0.28	6.26e-06	0.0	143.6	56.27	140.07	0.05	-0.46	-0.21	480.21
13	21	852.13	-0.48	-2.79e-03	-14.36	0.0	100.83	205.42	0.07	-0.53	-0.58	567.54
		567.54	-0.58	9.11e-06	0.0	143.6	100.83	191.07	0.07	-0.53	-0.48	852.13
13	22	917.77	-0.42	-3.70e-03	-14.36	0.0	155.90	297.88	0.12	-1.69	-0.47	500.47
		500.47	-0.47	-1.96e-04	-0.18	143.6	132.94	283.52	-0.06	-1.69	-0.44	917.77
13	27	916.41	-0.47	-3.70e-03	-14.36	0.0	107.34	298.04	6.95e-03	-1.71	-0.48	498.87
		498.87	-0.48	1.31e-05	0.0	143.6	107.34	283.69	6.95e-03	-1.71	-0.47	916.41
13	28	1302.58	-0.67	-5.27e-03	-19.38	0.0	152.57	423.90	3.04e-03	-2.49	-0.68	707.98
		707.98	-0.68	1.87e-05	0.0	143.6	152.57	404.52	3.04e-03	-2.49	-0.67	1302.58
13	29	916.41	-0.47	-3.70e-03	-14.36	0.0	107.34	298.04	6.95e-03	-1.71	-0.48	498.87
		498.87	-0.48	1.31e-05	0.0	143.6	107.34	283.69	6.95e-03	-1.71	-0.47	916.41
13	31	1041.92	-2.24	-4.31e-03	-14.36	0.0	176.48	332.33	4.09	19.03	-8.37	574.13
		574.13	-8.37	-2.00e-03	-0.15	143.6	158.11	317.98	3.95	19.03	-2.24	1041.92
13	32	1117.67	0.65	-4.32e-03	-14.36	0.0	171.39	320.66	-0.14	10.74	0.65	668.69
		668.69	-0.03	1.70e-03	-0.15	143.6	153.02	306.30	-0.29	10.74	-0.03	1117.67
13	36	1118.07	0.55	-4.32e-03	-14.36	0.0	171.60	321.06	-0.19	10.75	0.55	668.02
		668.02	-0.03	1.79e-03	-0.15	143.6	153.22	306.71	-0.34	10.75	-0.03	1118.07
13	54	1080.52	-0.99	-4.33e-03	-14.36	0.0	208.84	331.93	3.04	17.38	-4.49	616.59
		616.59	-4.49	-1.23e-03	-0.15	143.6	190.47	317.57	2.90	17.38	-0.99	1080.52
13	57	1079.07	-1.28	-4.30e-03	-14.36	0.0	139.04	321.06	0.90	12.39	-3.23	626.24
		626.24	-3.23	9.40e-04	-0.15	143.6	120.66	306.71	0.76	12.39	-1.28	1079.07
13	63	1056.59	-1.81	-4.31e-03	-14.36	0.0	175.21	329.99	3.25	17.38	-6.59	592.62
		592.62	-6.59	-1.26e-03	-0.15	143.6	156.83	315.63	3.10	17.38	-1.81	1056.59
13	68	1103.26	-0.46	-4.32e-03	-14.36	0.0	172.88	323.28	0.67	12.41	-1.19	649.79
		649.79	-1.19	1.01e-03	-0.15	143.6	154.50	308.92	0.52	12.41	-0.46	1103.26
13	72	1095.40	-0.40	-4.30e-03	-14.36	0.0	173.29	323.64	1.35	12.47	-2.00	641.78
		641.78	-2.00	4.76e-05	-0.15	143.6	154.91	309.28	1.21	12.47	-0.40	1095.40
13	86	1080.86	-1.02	-4.32e-03	-14.36	0.0	196.29	329.87	2.63	16.40	-4.22	618.98
		618.98	-4.22	-7.87e-04	-0.15	143.6	177.92	315.51	2.48	16.40	-1.02	1080.86
13	89	1078.73	-1.24	-4.31e-03	-14.36	0.0	151.58	323.12	1.32	13.37	-3.51	623.85
		623.85	-3.51	4.95e-04	-0.15	143.6	133.21	308.77	1.17	13.37	-1.24	1078.73
14	7	270.49	0.0	-2.11e-03	-14.66	0.0	20.94	191.84	-0.19	-1.07	0.0	0.0
		0.0	-0.28	8.13e-06	0.0	146.6	20.94	177.18	-0.19	-1.07	-0.28	270.49
14	14	818.05	0.0	-4.63e-03	-19.79	0.0	158.38	567.93	-0.42	-3.02	0.0	0.0
		0.0	-0.82	-3.02e-04	-0.28	146.6	123.20	548.13	-0.70	-3.02	-0.82	818.05
14	15	327.24	0.0	-2.95e-03	-14.66	0.0	29.49	230.56	-0.99	12.93	0.0	0.0
		0.0	-1.46	-1.96e-04	0.0	146.6	29.49	215.90	-0.99	12.93	-1.46	327.24
14	18	504.29	0.0	-4.20e-03	-14.66	0.0	106.60	351.33	-0.23	-2.66	0.0	0.0
		0.0	-0.47	-1.97e-04	-0.19	146.6	83.15	336.67	-0.42	-2.66	-0.47	504.29
14	19	502.72	0.0	-4.20e-03	-14.66	0.0	35.64	350.26	-0.33	-2.65	0.0	0.0
		0.0	-0.48	1.65e-05	0.0	146.6	35.64	335.60	-0.33	-2.65	-0.48	502.72
14	20	270.49	0.0	-2.11e-03	-14.66	0.0	20.94	191.84	-0.19	-1.07	0.0	0.0
		0.0	-0.28	8.13e-06	0.0	146.6	20.94	177.18	-0.19	-1.07	-0.28	270.49
14	21	570.85	0.0	-3.30e-03	-14.66	0.0	36.71	396.73	-0.40	-2.11	0.0	0.0
		0.0	-0.58	1.29e-05	0.0	146.6	36.71	382.08	-0.40	-2.11	-0.58	570.85
14	22	504.29	0.0	-4.20e-03	-14.66	0.0	106.60	351.33	-0.23	-2.66	0.0	0.0
		0.0	-0.47	-1.97e-04	-0.19	146.6	83.15	336.67	-0.42	-2.66	-0.47	504.29
14	24	713.42	0.0	-5.98e-03	-19.79	0.0	50.69	496.55	-0.25	-3.80	0.0	0.0
		0.0	-0.37	1.84e-05	0.0	146.6	50.69	476.76	-0.25	-3.80	-0.37	713.42
14	27	502.72	0.0	-4.20e-03	-14.66	0.0	35.64	350.26	-0.33	-2.65	0.0	0.0
		0.0	-0.48	1.65e-05	0.0	146.6	35.64	335.60	-0.33	-2.65	-0.48	502.72
14	28	713.51	0.0	-5.98e-03	-19.79	0.0	50.31	496.61	-0.46	-3.82	0.0	0.0
		0.0	-0.68	2.35e-05	0.0	146.6	50.31	476.82	-0.46	-3.82	-0.68	713.51
14	29	502.72	0.0	-4.20e-03	-14.66	0.0	35.64	350.26	-0.33	-2.65	0.0	0.0
		0.0	-0.48	1.65e-05	0.0	146.6	35.64	335.60	-0.33	-2.65	-0.48	502.72
14	31	584.31	0.0	-4.90e-03	-14.66	0.0	106.80	405.91	-5.63	6.59	0.0	0.0
		0.0	-8.37	-1.96e-03	-0.15	146.6	88.04	391.26	-5.78	6.59	-8.37	584.31
14	32	664.82	0.65	-4.94e-03	-14.66	0.0	107.33	460.84	0.51	11.60	0.0	0.0
		0.0	0.0	1.71e-03	-0.15	146.6	88.57	446.18	0.37	11.60	0.65	664.82

14	54	624.62	0.0	-4.94e-03	-14.66	0.0	166.55	433.41	-2.99	8.96	0.0	0.0
		0.0	-4.49	-1.34e-03	-0.15	146.6	147.79	418.75	-3.14	8.96	-4.49	624.62
14	55	602.39	0.0	-4.89e-03	-14.66	0.0	57.05	418.25	-3.86	7.89	0.0	0.0
		0.0	-5.77	-1.84e-04	-0.15	146.6	38.28	403.59	-4.01	7.89	-5.77	602.39
14	57	624.51	0.0	-4.90e-03	-14.66	0.0	47.58	433.34	-2.13	9.24	0.0	0.0
		0.0	-3.23	1.08e-03	-0.15	146.6	28.82	418.68	-2.28	9.24	-3.23	624.51
14	63	599.92	0.0	-4.91e-03	-14.66	0.0	106.62	416.56	-4.42	7.52	0.0	0.0
		0.0	-6.59	-1.22e-03	-0.15	146.6	87.86	401.90	-4.57	7.52	-6.59	599.92
14	64	649.21	0.0	-4.93e-03	-14.66	0.0	107.51	450.19	-0.70	10.67	0.0	0.0
		0.0	-1.13	9.68e-04	-0.15	146.6	88.75	435.53	-0.85	10.67	-1.13	649.21
14	65	644.73	0.0	-4.93e-03	-14.66	0.0	87.04	447.13	-0.94	10.32	0.0	0.0
		0.0	-1.49	1.29e-03	-0.15	146.6	68.27	432.47	-1.09	10.32	-1.49	644.73
14	86	625.22	0.0	-4.93e-03	-14.66	0.0	145.35	433.82	-2.80	9.05	0.0	0.0
		0.0	-4.22	-8.54e-04	-0.15	146.6	126.59	419.16	-2.95	9.05	-4.22	625.22
14	87	610.47	0.0	-4.90e-03	-14.66	0.0	74.66	423.76	-3.36	8.30	0.0	0.0
		0.0	-5.04	-1.57e-04	-0.15	146.6	55.89	409.10	-3.51	8.30	-5.04	610.47
14	89	623.92	0.0	-4.91e-03	-14.66	0.0	68.78	432.93	-2.32	9.14	0.0	0.0
		0.0	-3.51	5.98e-04	-0.15	146.6	50.02	418.27	-2.47	9.14	-3.51	623.92
15	6	671.37	0.0	5.73e-03	-19.33	0.0	83.36	-459.14	1.10	0.0	-1.58	671.37
		0.0	-1.58	-2.78e-05	0.0	143.2	83.36	-478.47	1.10	0.0	0.0	0.0
15	13	669.34	0.0	5.73e-03	-19.33	0.0	11.79	-457.72	1.41	0.0	-1.82	669.34
		0.0	-1.82	-3.41e-04	-0.27	143.2	-22.58	-477.05	1.13	0.0	0.0	0.0
15	14	507.73	0.0	4.19e-03	-19.33	0.0	-12.08	-344.87	0.83	0.0	-1.00	507.73
		0.0	-1.00	-3.30e-04	-0.27	143.2	-46.45	-364.20	0.56	0.0	0.0	0.0
15	15	396.12	1.92	3.37e-03	-14.32	0.0	23.64	-269.44	-1.34	0.0	1.92	396.12
		0.0	0.0	-2.37e-04	0.0	143.2	23.64	-283.76	-1.34	0.0	0.0	0.0
15	18	473.22	0.0	4.03e-03	-14.32	0.0	11.03	-323.28	0.95	0.0	-1.23	473.22
		0.0	-1.23	-2.28e-04	-0.18	143.2	-11.89	-337.60	0.77	0.0	0.0	0.0
15	19	474.57	0.0	4.03e-03	-14.32	0.0	58.74	-324.23	0.75	0.0	-1.07	474.57
		0.0	-1.07	-1.92e-05	0.0	143.2	58.74	-338.55	0.75	0.0	0.0	0.0
15	20	269.92	0.0	2.05e-03	-14.32	0.0	31.69	-181.32	0.13	0.0	-0.19	269.92
		0.0	-0.19	-7.31e-06	0.0	143.2	31.69	-195.64	0.13	0.0	0.0	0.0
15	21	366.83	0.0	3.00e-03	-14.32	0.0	42.83	-248.99	0.37	0.0	-0.53	366.83
		0.0	-0.53	-1.18e-05	0.0	143.2	42.83	-263.31	0.37	0.0	0.0	0.0
15	22	473.22	0.0	4.03e-03	-14.32	0.0	11.03	-323.28	0.95	0.0	-1.23	473.22
		0.0	-1.23	-2.28e-04	-0.18	143.2	-11.89	-337.60	0.77	0.0	0.0	0.0
15	27	474.57	0.0	4.03e-03	-14.32	0.0	58.74	-324.23	0.75	0.0	-1.07	474.57
		0.0	-1.07	-1.92e-05	0.0	143.2	58.74	-338.55	0.75	0.0	0.0	0.0
15	28	671.37	0.0	5.73e-03	-19.33	0.0	83.36	-459.14	1.10	0.0	-1.58	671.37
		0.0	-1.58	-2.78e-05	0.0	143.2	83.36	-478.47	1.10	0.0	0.0	0.0
15	29	474.57	0.0	4.03e-03	-14.32	0.0	58.74	-324.23	0.75	0.0	-1.07	474.57
		0.0	-1.07	-1.92e-05	0.0	143.2	58.74	-338.55	0.75	0.0	0.0	0.0
15	33	628.93	4.93	5.15e-03	-14.32	0.0	20.04	-432.01	-3.37	0.0	4.93	628.93
		0.0	0.0	2.06e-03	-0.14	143.2	1.71	-446.33	-3.51	0.0	0.0	0.0
15	38	647.30	4.87	5.42e-03	-14.32	0.0	16.15	-444.84	-3.33	0.0	4.87	647.30
		0.0	0.0	-1.07e-03	-0.14	143.2	-2.18	-459.16	-3.47	0.0	0.0	0.0
15	51	704.86	7.23	5.45e-03	-14.32	0.0	81.99	-485.03	-4.97	0.0	7.23	704.86
		0.0	0.0	5.14e-04	-0.14	143.2	63.66	-499.35	-5.12	0.0	0.0	0.0
15	59	694.63	7.00	5.40e-03	-14.32	0.0	82.58	-477.89	-4.82	0.0	7.00	694.63
		0.0	0.0	2.59e-04	-0.14	143.2	64.25	-492.21	-4.96	0.0	0.0	0.0
15	60	567.89	2.79	5.12e-03	-14.32	0.0	-46.95	-389.39	-1.88	0.0	2.79	567.89
		0.0	0.0	-6.50e-04	-0.14	143.2	-65.28	-403.71	-2.02	0.0	0.0	0.0
15	65	629.24	4.90	5.20e-03	-14.32	0.0	19.10	-432.22	-3.35	0.0	4.90	629.24
		0.0	0.0	1.14e-03	-0.14	143.2	0.77	-446.54	-3.49	0.0	0.0	0.0
15	70	641.37	4.88	5.36e-03	-14.32	0.0	16.83	-440.69	-3.34	0.0	4.88	641.37
		0.0	0.0	-7.54e-04	-0.14	143.2	-1.50	-455.01	-3.48	0.0	0.0	0.0
15	79	676.18	6.40	5.38e-03	-14.32	0.0	58.88	-465.01	-4.39	0.0	6.40	676.18
		0.0	0.0	5.01e-05	-0.14	143.2	40.55	-479.33	-4.54	0.0	0.0	0.0
15	83	678.61	6.39	5.39e-03	-14.32	0.0	58.97	-466.70	-4.39	0.0	6.39	678.61
		0.0	0.0	2.84e-04	-0.14	143.2	40.64	-481.02	-4.54	0.0	0.0	0.0
15	91	672.31	6.26	5.35e-03	-14.32	0.0	59.72	-462.30	-4.30	0.0	6.26	672.31
		0.0	0.0	1.18e-04	-0.14	143.2	41.39	-476.62	-4.44	0.0	0.0	0.0
15	92	590.22	3.53	5.17e-03	-14.32	0.0	-24.09	-404.98	-2.40	0.0	3.53	590.22
		0.0	0.0	-5.10e-04	-0.14	143.2	-42.42	-419.30	-2.54	0.0	0.0	0.0
16	7	-8.66	-0.04	-4.21e-06	-16.90	0.0	-8.63	3.45	-0.20	-0.54	-0.04	-9.22
		-17.22	-0.36	-4.38e-06	0.0	160.0	-8.63	-13.45	-0.20	-0.54	-0.36	-17.22
16	10	-4.69	-0.04	-1.47e-05	-16.90	0.0	-11.77	3.70	-0.25	2.43	-0.04	-5.33
		-12.92	-0.45	-7.25e-06	0.0	160.0	-11.77	-13.20	-0.25	2.43	-0.45	-12.92
16	15	-7.34	0.34	-3.24e-05	-16.90	0.0	-13.49	-16.36	-0.86	20.84	0.34	-7.34
		-47.03	-1.03	-2.76e-04	0.0	160.0	-13.49	-33.26	-0.86	20.84	-1.03	-47.03
16	19	-8.93	-0.02	-1.12e-05	-16.90	0.0	-16.36	2.17	-0.38	-0.77	-0.02	-9.15
		-19.20	-0.62	-8.77e-06	0.0	160.0	-16.36	-14.73	-0.38	-0.77	-0.62	-19.20
16	20	-8.66	-0.04	-4.21e-06	-16.90	0.0	-8.63	3.45	-0.20	-0.54	-0.04	-9.22
		-17.22	-0.36	-4.38e-06	0.0	160.0	-8.63	-13.45	-0.20	-0.54	-0.36	-17.22
16	21	-7.21	-0.04	-1.10e-05	-16.90	0.0	-12.08	3.30	-0.27	0.77	-0.04	-7.73
		-15.97	-0.47	-6.99e-06	0.0	160.0	-12.08	-13.60	-0.27	0.77	-0.47	-15.97
16	22	-9.04	-0.18	-1.10e-05	-16.90	0.0	-15.91	2.36	-0.20	-0.68	-0.18	-9.30

		-19.05	-0.49	-2.44e-04	0.0	160.0	-15.91	-14.54	-0.20	-0.68	-0.49	-19.05
16	24	-12.42	-0.13	-1.60e-05	-22.82	0.0	-26.47	3.40	-0.40	-1.00	-0.13	-12.82
		-25.63	-0.78	-5.68e-06	0.0	160.0	-26.47	-19.41	-0.40	-1.00	-0.78	-25.63
16	27	-8.93	-0.02	-1.12e-05	-16.90	0.0	-16.36	2.17	-0.38	-0.77	-0.02	-9.15
		-19.20	-0.62	-8.77e-06	0.0	160.0	-16.36	-14.73	-0.38	-0.77	-0.62	-19.20
16	28	-12.09	-0.02	-1.61e-05	-22.82	0.0	-23.24	2.74	-0.54	-1.08	-0.02	-12.35
		-26.21	-0.88	-1.25e-05	0.0	160.0	-23.24	-20.07	-0.54	-1.08	-0.88	-26.21
16	29	-8.93	-0.02	-1.12e-05	-16.90	0.0	-16.36	2.17	-0.38	-0.77	-0.02	-9.15
		-19.20	-0.62	-8.77e-06	0.0	160.0	-16.36	-14.73	-0.38	-0.77	-0.62	-19.20
16	38	-16.42	1.36	-4.25e-05	-16.90	0.0	18.53	-73.57	-2.56	27.44	1.36	-16.42
		-146.47	-2.61	-5.73e-03	0.0	160.0	18.53	-90.47	-2.56	27.44	-2.61	-146.47
16	39	-14.39	1.57	-3.69e-05	-16.90	0.0	30.42	-69.46	-2.41	28.89	1.57	-14.39
		-140.17	-2.42	-4.89e-03	0.0	160.0	30.42	-86.36	-2.41	28.89	-2.42	-140.17
16	51	-11.08	1.16	-2.78e-05	-16.90	0.0	32.51	-48.66	-1.42	26.96	1.16	-11.08
		-106.32	-1.54	-3.58e-04	0.0	160.0	32.51	-65.56	-1.42	26.96	-1.54	-106.32
16	52	-17.08	-0.08	-4.44e-05	-16.90	0.0	-17.22	-48.66	-1.24	19.01	-0.08	-17.08
		-104.59	-1.63	-1.20e-04	0.0	160.0	-17.22	-65.56	-1.24	19.01	-1.63	-104.59
16	53	-10.29	0.61	-2.57e-05	-16.90	0.0	22.41	-34.94	-0.72	23.85	0.61	-10.29
		-83.61	-0.99	2.68e-03	0.0	160.0	22.41	-51.84	-0.72	23.85	-0.99	-83.61
16	70	-15.56	1.06	-4.03e-05	-16.90	0.0	14.49	-64.48	-2.11	25.78	1.06	-15.56
		-131.49	-2.23	-3.74e-03	0.0	160.0	14.49	-81.38	-2.11	25.78	-2.23	-131.49
16	71	-14.25	1.19	-3.65e-05	-16.90	0.0	22.18	-61.70	-2.01	26.73	1.19	-14.25
		-127.22	-2.11	-3.22e-03	0.0	160.0	22.18	-78.60	-2.01	26.73	-2.11	-127.22
16	83	-12.15	0.94	-3.05e-05	-16.90	0.0	23.68	-48.36	-1.38	25.55	0.94	-12.15
		-105.51	-1.56	-3.36e-04	0.0	160.0	23.68	-65.26	-1.38	25.55	-1.56	-105.51
16	84	-16.01	0.14	-4.17e-05	-16.90	0.0	-8.40	-48.96	-1.28	20.42	0.14	-16.01
		-105.40	-1.61	-1.42e-04	0.0	160.0	-8.40	-65.86	-1.28	20.42	-1.61	-105.40
16	85	-11.65	0.59	-2.92e-05	-16.90	0.0	17.26	-39.70	-0.95	23.59	0.59	-11.65
		-91.18	-1.21	1.61e-03	0.0	160.0	17.26	-56.60	-0.95	23.59	-1.21	-91.18
21	7	-11.46	2.08e-06	-2.42e-05	-16.90	0.0	-11.30	12.39	0.22	1.74	-0.36	-18.73
		-18.73	-0.36	-9.56e-06	0.0	160.0	-11.30	-4.51	0.22	1.74	2.08e-06	-12.42
21	13	-22.52	7.33e-05	-4.72e-05	-22.82	0.0	-28.44	13.79	0.43	1.22	-0.69	-29.17
		-29.17	-0.69	-3.76e-04	0.0	160.0	-28.44	-9.03	0.43	1.22	7.33e-05	-25.37
21	15	-37.40	5.68e-05	-9.02e-05	-16.90	0.0	-29.49	15.42	0.64	23.33	-1.03	-48.65
		-48.65	-1.03	-2.90e-04	0.0	160.0	-29.49	-1.48	0.64	23.33	5.68e-05	-37.50
21	18	-16.17	4.91e-05	-3.39e-05	-16.90	0.0	-20.09	10.43	0.31	0.99	-0.49	-21.32
		-21.32	-0.49	-2.52e-04	0.0	160.0	-20.09	-6.47	0.31	0.99	4.91e-05	-18.15
21	19	-16.24	3.78e-06	-3.41e-05	-16.90	0.0	-21.28	10.24	0.39	0.97	-0.62	-21.20
		-21.20	-0.62	-1.75e-05	0.0	160.0	-21.28	-6.66	0.39	0.97	3.78e-06	-18.33
21	20	-11.46	2.08e-06	-2.42e-05	-16.90	0.0	-11.30	12.39	0.22	1.74	-0.36	-18.73
		-18.73	-0.36	-9.56e-06	0.0	160.0	-11.30	-4.51	0.22	1.74	2.08e-06	-12.42
21	21	-13.32	2.96e-06	-2.96e-05	-16.90	0.0	-16.03	9.63	0.29	2.48	-0.47	-17.72
		-17.72	-0.47	-1.38e-05	0.0	160.0	-16.03	-7.27	0.29	2.48	2.96e-06	-15.82
21	22	-16.17	4.91e-05	-3.39e-05	-16.90	0.0	-20.09	10.43	0.31	0.99	-0.49	-21.32
		-21.32	-0.49	-2.52e-04	0.0	160.0	-20.09	-6.47	0.31	0.99	4.91e-05	-18.15
21	24	-22.28	3.78e-06	-4.71e-05	-22.82	0.0	-30.82	14.12	0.49	1.27	-0.78	-29.27
		-29.27	-0.78	-1.70e-05	0.0	160.0	-30.82	-8.69	0.49	1.27	3.78e-06	-24.93
21	27	-16.24	3.78e-06	-3.41e-05	-16.90	0.0	-21.28	10.24	0.39	0.97	-0.62	-21.20
		-21.20	-0.62	-1.75e-05	0.0	160.0	-21.28	-6.66	0.39	0.97	3.78e-06	-18.33
21	28	-22.61	5.37e-06	-4.75e-05	-22.82	0.0	-30.22	13.51	0.55	1.20	-0.88	-28.99
		-28.99	-0.88	-2.49e-05	0.0	160.0	-30.22	-9.31	0.55	1.20	5.37e-06	-25.64
21	29	-16.24	3.78e-06	-3.41e-05	-16.90	0.0	-21.28	10.24	0.39	0.97	-0.62	-21.20
		-21.20	-0.62	-1.75e-05	0.0	160.0	-21.28	-6.66	0.39	0.97	3.78e-06	-18.33
21	30	-118.12	3.68e-04	-2.08e-04	-16.90	0.0	-29.63	22.58	1.49	39.59	-2.39	-139.87
		-139.87	-2.39	-2.19e-03	0.0	160.0	-29.63	5.68	1.49	39.59	3.68e-04	-118.12
21	38	-132.76	1.76e-04	-2.27e-04	-16.90	0.0	-21.36	22.27	1.63	43.62	-2.61	-156.22
		-156.22	-2.61	-1.01e-03	0.0	160.0	-21.36	5.37	1.63	43.62	1.76e-04	-132.76
21	41	-55.06	-7.36e-05	-1.21e-04	-16.90	0.0	-0.04	22.38	0.35	22.93	-0.56	-76.01
		-76.01	-0.56	4.96e-04	0.0	160.0	-0.04	5.48	0.35	22.93	-7.36e-05	-55.06
21	46	-111.29	2.99e-04	-1.91e-04	-16.90	0.0	-33.03	19.39	1.33	27.94	-2.12	-132.82
		-132.82	-2.12	-2.13e-03	0.0	160.0	-33.03	2.49	1.33	27.94	2.99e-04	-111.29
21	49	-76.53	-1.96e-04	-1.57e-04	-16.90	0.0	11.63	25.26	0.66	38.62	-1.05	-99.41
		-99.41	-1.05	1.61e-03	0.0	160.0	11.63	8.36	0.66	38.62	-1.96e-04	-76.53
21	62	-108.93	2.44e-04	-1.95e-04	-16.90	0.0	-22.21	22.51	1.29	37.14	-2.07	-131.11
		-131.11	-2.07	-1.34e-03	0.0	160.0	-22.21	5.61	1.29	37.14	2.44e-04	-108.93
21	70	-118.47	1.30e-04	-2.07e-04	-16.90	0.0	-17.39	22.30	1.39	39.77	-2.23	-141.56
		-141.56	-2.23	-7.07e-04	0.0	160.0	-17.39	5.40	1.39	39.77	1.30e-04	-118.47
21	73	-69.35	-2.71e-05	-1.40e-04	-16.90	0.0	-4.00	22.36	0.59	26.78	-0.94	-90.66
		-90.66	-0.94	1.88e-04	0.0	160.0	-4.00	5.45	0.59	26.78	-2.71e-05	-69.35
21	78	-105.02	2.06e-04	-1.84e-04	-16.90	0.0	-24.73	20.44	1.20	29.69	-1.91	-127.11
		-127.11	-1.91	-1.39e-03	0.0	160.0	-24.73	3.54	1.20	29.69	2.06e-04	-105.02
21	81	-82.80	-1.03e-04	-1.64e-04	-16.90	0.0	3.33	24.21	0.79	36.86	-1.26	-105.12
		-105.12	-1.26	8.71e-04	0.0	160.0	3.33	7.31	0.79	36.86	-1.03e-04	-82.80
22	2	16.36	0.62	-2.67e-05	-22.82	0.0	-5.45	34.91	1.92	8.17	-2.46	-21.24
		-21.24	-2.46	4.57e-06	0.0	160.0	-5.45	12.09	1.92	8.17	0.62	16.36
22	11	21.99	0.45	-4.36e-05	-16.90	0.0	-4.86	34.51	1.36	4.87	-1.72	-19.70
		-19.70	-1.72	5.65e-06	0.0	160.0	-4.86	17.61	1.36	4.87	0.45	21.99

22	15	5.35	-0.06	-2.71e-05	-16.90	0.0	9.28	-6.54	-0.34	-15.04	-0.06	5.35
		-18.63	-0.61	-2.21e-04	0.0	160.0	9.28	-23.44	-0.34	-15.04	-0.61	-18.63
22	19	-2.01	0.19	-3.97e-06	-16.90	0.0	-6.01	4.87	0.67	1.52	-0.87	-3.13
		-8.86	-0.87	6.87e-06	0.0	160.0	-6.01	-12.03	0.67	1.52	0.19	-8.86
22	20	-1.70	0.18	2.89e-06	-16.90	0.0	-3.37	5.00	0.59	1.76	-0.77	-2.88
		-8.40	-0.77	2.96e-06	0.0	160.0	-3.37	-11.90	0.59	1.76	0.18	-8.40
22	21	11.86	0.36	-2.81e-05	-16.90	0.0	-4.36	24.67	1.10	3.83	-1.40	-14.10
		-14.10	-1.40	4.75e-06	0.0	160.0	-4.36	7.77	1.10	3.83	0.36	11.86
22	22	-1.93	0.06	-4.06e-06	-16.90	0.0	-5.53	4.64	0.68	1.57	-1.03	-2.94
		-9.04	-1.03	-2.26e-04	0.0	160.0	-5.53	-12.26	0.68	1.57	0.06	-9.04
22	24	-2.99	0.21	-6.13e-06	-22.82	0.0	-13.06	7.05	0.50	1.95	-0.59	-4.74
		-11.70	-0.59	9.69e-06	0.0	160.0	-13.06	-15.76	0.50	1.95	0.21	-11.70
22	27	-2.01	0.19	-3.97e-06	-16.90	0.0	-6.01	4.87	0.67	1.52	-0.87	-3.13
		-8.86	-0.87	6.87e-06	0.0	160.0	-6.01	-12.03	0.67	1.52	0.19	-8.86
22	28	-2.76	0.26	-6.39e-06	-22.82	0.0	-8.51	6.55	0.91	2.02	-1.19	-4.26
		-12.02	-1.19	9.86e-06	0.0	160.0	-8.51	-16.26	0.91	2.02	0.26	-12.02
22	29	-2.01	0.19	-3.97e-06	-16.90	0.0	-6.01	4.87	0.67	1.52	-0.87	-3.13
		-8.86	-0.87	6.87e-06	0.0	160.0	-6.01	-12.03	0.67	1.52	0.19	-8.86
22	30	3.06	-0.46	-4.04e-05	-16.90	0.0	72.47	-1.36	3.66	-17.23	-6.41	3.06
		-13.20	-6.41	-3.92e-04	0.0	160.0	72.47	-18.26	3.66	-17.23	-0.46	-13.20
22	33	-4.12	2.41	-3.97e-05	-16.90	0.0	-16.64	7.80	-1.94	-10.18	2.41	-7.27
		-7.74	-0.79	6.50e-05	0.0	160.0	-16.64	-9.10	-1.94	-10.18	-0.79	-7.74
22	35	2.46	-0.65	-3.91e-05	-16.90	0.0	65.77	-2.24	3.14	-17.46	-5.74	2.46
		-14.39	-5.74	3.05e-04	0.0	160.0	65.77	-19.14	3.14	-17.46	-0.65	-14.39
22	62	1.01	-0.52	-4.03e-05	-16.90	0.0	54.71	0.47	2.54	-15.83	-4.65	1.01
		-12.11	-4.65	-4.05e-04	0.0	160.0	54.71	-16.43	2.54	-15.83	-0.52	-12.11
22	65	-3.40	0.65	-3.98e-05	-16.90	0.0	1.12	5.97	-0.82	-11.58	0.65	-5.22
		-8.83	-0.73	7.80e-05	0.0	160.0	1.12	-10.93	-0.82	-11.58	-0.73	-8.83
22	67	0.64	-0.64	-3.94e-05	-16.90	0.0	50.61	-0.11	2.22	-15.98	-4.24	0.64
		-12.89	-4.24	3.16e-05	0.0	160.0	50.61	-17.01	2.22	-15.98	-0.64	-12.89
22	70	1.06	-0.64	-4.26e-05	-16.90	0.0	51.69	0.52	2.39	-16.50	-4.47	1.06
		-11.97	-4.47	-4.34e-04	0.0	160.0	51.69	-16.38	2.39	-16.50	-0.64	-11.97
23	7	-7.42	0.38	-4.71e-06	-16.90	0.0	-8.35	3.28	0.12	0.44	0.18	-7.93
		-16.20	0.18	4.21e-06	0.0	160.0	-8.35	-13.62	0.12	0.44	0.38	-16.20
23	11	31.25	0.45	-8.10e-06	-16.90	0.0	-11.74	-9.65	-0.04	0.29	0.45	31.25
		2.29	0.39	7.67e-06	0.0	160.0	-11.74	-26.55	-0.04	0.29	0.39	2.29
23	15	-1.83	2.06	-3.77e-05	-16.90	0.0	-14.76	-29.93	1.67	-21.24	-0.61	-1.83
		-63.25	-0.61	-2.23e-04	0.0	160.0	-14.76	-46.83	1.67	-21.24	2.06	-63.25
23	18	-6.94	0.61	-1.16e-05	-16.90	0.0	-16.15	2.09	0.34	0.85	0.06	-7.15
		-17.33	0.06	-2.27e-04	0.0	160.0	-16.15	-14.81	0.34	0.85	0.61	-17.33
23	19	-7.00	0.50	-1.14e-05	-16.90	0.0	-15.71	2.21	0.19	0.78	0.19	-7.23
		-17.21	0.19	8.38e-06	0.0	160.0	-15.71	-14.69	0.19	0.78	0.50	-17.21
23	20	-7.42	0.38	-4.71e-06	-16.90	0.0	-8.35	3.28	0.12	0.44	0.18	-7.93
		-16.20	0.18	4.21e-06	0.0	160.0	-8.35	-13.62	0.12	0.44	0.38	-16.20
23	21	18.19	0.38	-6.50e-06	-16.90	0.0	-10.61	-5.34	0.01	0.34	0.36	18.19
		-3.87	0.36	6.52e-06	0.0	160.0	-10.61	-22.24	0.01	0.34	0.38	-3.87
23	22	-6.94	0.61	-1.16e-05	-16.90	0.0	-16.15	2.09	0.34	0.85	0.06	-7.15
		-17.33	0.06	-2.27e-04	0.0	160.0	-16.15	-14.81	0.34	0.85	0.61	-17.33
23	24	-9.70	0.79	-1.63e-05	-22.82	0.0	-25.61	3.47	0.36	1.01	0.21	-10.11
		-22.81	0.21	1.33e-05	0.0	160.0	-25.61	-19.35	0.36	1.01	0.79	-22.81
23	28	-9.37	0.69	-1.64e-05	-22.82	0.0	-22.31	2.83	0.26	1.10	0.26	-9.65
		-23.38	0.26	1.19e-05	0.0	160.0	-22.31	-19.99	0.26	1.10	0.69	-23.38
23	29	-7.00	0.50	-1.14e-05	-16.90	0.0	-15.71	2.21	0.19	0.78	0.19	-7.23
		-17.21	0.19	8.38e-06	0.0	160.0	-15.71	-14.69	0.19	0.78	0.50	-17.21
23	31	14.05	3.24	-4.08e-05	-16.90	0.0	25.82	-90.46	2.50	-25.99	-0.63	14.05
		-144.17	-0.63	-0.02	0.0	160.0	25.82	-107.36	2.50	-25.99	3.24	-144.17
23	34	16.08	3.03	-3.68e-05	-16.90	0.0	32.98	-87.38	2.24	-26.82	-0.43	16.08
		-138.36	-0.43	-0.02	0.0	160.0	32.98	-104.28	2.24	-26.82	3.03	-138.36
23	37	10.62	2.74	-3.61e-05	-16.90	0.0	-16.78	-38.55	2.15	-17.28	-0.82	10.62
		-63.47	-0.82	0.02	0.0	160.0	-16.78	-55.45	2.15	-17.28	2.74	-63.47
23	58	17.83	2.59	-3.24e-05	-16.90	0.0	23.97	-64.81	1.80	-25.06	-0.29	17.83
		-101.13	-0.29	-2.62e-03	0.0	160.0	23.97	-81.71	1.80	-25.06	2.59	-101.13
23	59	10.25	3.33	-4.34e-05	-16.90	0.0	-0.27	-73.20	2.72	-22.42	-1.02	10.25
		-118.65	-1.02	-7.45e-04	0.0	160.0	-0.27	-90.10	2.72	-22.42	3.33	-118.65
23	63	13.78	3.11	-3.91e-05	-16.90	0.0	18.67	-79.63	2.39	-24.43	-0.63	13.78
		-127.24	-0.63	-9.66e-03	0.0	160.0	18.67	-96.53	2.39	-24.43	3.11	-127.24
23	66	15.08	2.97	-3.66e-05	-16.90	0.0	23.19	-77.65	2.22	-24.97	-0.50	15.08
		-123.43	-0.50	-0.01	0.0	160.0	23.19	-94.55	2.22	-24.97	2.97	-123.43
23	69	11.63	2.80	-3.63e-05	-16.90	0.0	-6.99	-48.28	2.16	-19.13	-0.75	11.63
		-78.40	-0.75	9.76e-03	0.0	160.0	-6.99	-65.18	2.16	-19.13	2.80	-78.40
23	90	16.23	2.69	-3.39e-05	-16.90	0.0	18.17	-64.06	1.94	-23.94	-0.41	16.23
		-100.79	-0.41	-1.73e-03	0.0	160.0	18.17	-80.96	1.94	-23.94	2.69	-100.79
23	91	11.34	3.17	-4.09e-05	-16.90	0.0	2.74	-69.49	2.54	-22.28	-0.88	11.34
		-112.37	-0.88	-5.45e-04	0.0	160.0	2.74	-86.39	2.54	-22.28	3.17	-112.37
28	6	1240.55	-0.51	5.19e-03	-19.33	0.0	195.32	-399.99	-0.75	1.58	-0.51	1240.55
		653.88	-1.58	-1.93e-05	0.0	143.2	195.32	-419.33	-0.75	1.58	-1.58	653.88
28	7	476.00	-0.19	1.84e-03	-14.32	0.0	73.92	-141.64	8.65e-03	-0.09	-0.20	476.00

		262.90	-0.20	-6.14e-06	0.0	143.2	73.92	-155.96	8.65e-03	-0.09	-0.19	262.90
28	13	1238.21	-0.61	5.19e-03	-19.33	0.0	160.42	-400.15	-0.71	1.62	-0.61	1238.21
		651.31	-1.82	-3.31e-04	-0.27	143.2	126.05	-419.49	-0.98	1.62	-1.82	651.31
28	15	724.59	1.92	3.05e-03	-14.32	0.0	136.81	-235.04	1.95	-13.12	-0.87	724.59
		377.73	-0.87	-2.45e-04	0.0	143.2	136.81	-249.36	1.95	-13.12	1.92	377.73
28	18	873.08	-0.42	3.64e-03	-14.32	0.0	114.34	-280.93	-0.47	1.07	-0.42	873.08
		460.50	-1.23	-2.21e-04	-0.18	143.2	91.43	-295.25	-0.65	1.07	-1.23	460.50
28	19	874.63	-0.36	3.64e-03	-14.32	0.0	137.61	-280.83	-0.50	1.04	-0.36	874.63
		462.21	-1.07	-1.35e-05	0.0	143.2	137.61	-295.15	-0.50	1.04	-1.07	462.21
28	20	476.00	-0.19	1.84e-03	-14.32	0.0	73.92	-141.64	8.65e-03	-0.09	-0.20	476.00
		262.90	-0.20	-6.14e-06	0.0	143.2	73.92	-155.96	8.65e-03	-0.09	-0.19	262.90
28	21	657.70	-0.32	2.71e-03	-14.32	0.0	103.18	-202.86	-0.15	-0.06	-0.32	657.70
		356.93	-0.53	-8.84e-06	0.0	143.2	103.18	-217.18	-0.15	-0.06	-0.53	356.93
28	22	873.08	-0.42	3.64e-03	-14.32	0.0	114.34	-280.93	-0.47	1.07	-0.42	873.08
		460.50	-1.23	-2.21e-04	-0.18	143.2	91.43	-295.25	-0.65	1.07	-1.23	460.50
28	27	874.63	-0.36	3.64e-03	-14.32	0.0	137.61	-280.83	-0.50	1.04	-0.36	874.63
		462.21	-1.07	-1.35e-05	0.0	143.2	137.61	-295.15	-0.50	1.04	-1.07	462.21
28	28	1240.55	-0.51	5.19e-03	-19.33	0.0	195.32	-399.99	-0.75	1.58	-0.51	1240.55
		653.88	-1.58	-1.93e-05	0.0	143.2	195.32	-419.33	-0.75	1.58	-1.58	653.88
28	29	874.63	-0.36	3.64e-03	-14.32	0.0	137.61	-280.83	-0.50	1.04	-0.36	874.63
		462.21	-1.07	-1.35e-05	0.0	143.2	137.61	-295.15	-0.50	1.04	-1.07	462.21
28	38	1178.78	4.87	4.90e-03	-14.32	0.0	247.41	-377.44	5.90	-15.76	-3.54	1178.78
		627.77	-3.54	-1.05e-03	-0.14	143.2	229.08	-391.76	5.75	-15.76	4.87	627.77
28	39	1221.94	6.16	4.95e-03	-14.32	0.0	274.96	-380.36	6.78	-16.60	-3.40	1221.94
		667.34	-3.40	-6.04e-04	-0.14	143.2	256.63	-394.68	6.63	-16.60	6.16	667.34
28	40	1054.21	3.64	4.57e-03	-14.32	0.0	119.78	-351.40	3.66	-7.70	-1.53	1054.21
		540.35	-1.53	1.70e-04	-0.14	143.2	101.45	-365.72	3.51	-7.70	3.64	540.35
28	51	1228.69	7.23	4.89e-03	-14.32	0.0	262.43	-374.66	7.02	-14.77	-2.54	1228.69
		682.91	-2.54	3.50e-04	-0.14	143.2	244.10	-388.98	6.87	-14.77	7.23	682.91
28	52	1047.46	2.57	4.63e-03	-14.32	0.0	132.31	-357.10	3.41	-9.53	-2.40	1047.46
		524.78	-2.40	-7.84e-04	-0.14	143.2	113.98	-371.42	3.27	-9.53	2.57	524.78
28	70	1163.65	4.88	4.85e-03	-14.32	0.0	228.83	-373.13	5.64	-14.42	-3.15	1163.65
		618.90	-3.15	-7.53e-04	-0.14	143.2	210.50	-387.45	5.50	-14.42	4.88	618.90
28	71	1191.61	5.71	4.88e-03	-14.32	0.0	246.76	-375.08	6.21	-14.97	-3.06	1191.61
		644.44	-3.06	-4.45e-04	-0.14	143.2	228.43	-389.40	6.07	-14.97	5.71	644.44
28	72	1084.54	4.09	4.64e-03	-14.32	0.0	147.98	-356.69	4.22	-9.33	-1.88	1084.54
		563.25	-1.88	1.04e-05	-0.14	143.2	129.64	-371.01	4.07	-9.33	4.09	563.25
28	79	1192.14	6.40	4.84e-03	-14.32	0.0	234.95	-370.86	6.29	-13.73	-2.43	1192.14
		651.68	-2.43	-6.22e-05	-0.14	143.2	216.62	-385.18	6.15	-13.73	6.40	651.68
28	83	1196.54	6.39	4.84e-03	-14.32	0.0	239.39	-371.59	6.38	-13.84	-2.51	1196.54
		654.76	-2.51	1.81e-04	-0.14	143.2	221.06	-385.91	6.23	-13.84	6.39	654.76
28	84	1079.61	3.40	4.68e-03	-14.32	0.0	155.35	-360.17	4.05	-10.46	-2.43	1079.61
		552.93	-2.43	-6.16e-04	-0.14	143.2	137.02	-374.50	3.91	-10.46	3.40	552.93
34	6	1743.00	-0.51	4.17e-03	-19.33	0.0	288.79	-342.38	0.08	1.08	-0.62	1743.00
		1238.84	-0.62	-1.40e-05	0.0	143.2	288.79	-361.71	0.08	1.08	-0.51	1238.84
34	7	635.18	-0.18	1.45e-03	-14.32	0.0	106.16	-104.44	-0.01	0.10	-0.18	635.18
		475.36	-0.20	-4.69e-06	0.0	143.2	106.16	-118.76	-0.01	0.10	-0.20	475.36
34	15	1005.59	0.32	2.46e-03	-14.32	0.0	214.81	-190.87	-0.83	-13.50	0.32	1005.59
		721.99	-0.87	-2.44e-04	0.0	143.2	214.81	-205.19	-0.83	-13.50	-0.87	721.99
34	18	1224.33	-0.41	2.92e-03	-14.32	0.0	192.42	-238.59	0.12	0.72	-0.46	1224.33
		872.39	-0.46	-2.17e-04	-0.18	143.2	169.51	-252.91	-0.06	0.72	-0.42	872.39
34	19	1225.52	-0.36	2.92e-03	-14.32	0.0	203.14	-238.70	0.05	0.73	-0.43	1225.52
		873.43	-0.43	-9.80e-06	0.0	143.2	203.14	-253.02	0.05	0.73	-0.36	873.43
34	20	635.18	-0.18	1.45e-03	-14.32	0.0	106.16	-104.44	-0.01	0.10	-0.18	635.18
		475.36	-0.20	-4.69e-06	0.0	143.2	106.16	-118.76	-0.01	0.10	-0.20	475.36
34	21	893.49	-0.27	2.16e-03	-14.32	0.0	150.01	-158.11	-0.03	-0.21	-0.27	893.49
		656.81	-0.32	-6.28e-06	0.0	143.2	150.01	-172.43	-0.03	-0.21	-0.32	656.81
34	22	1224.33	-0.41	2.92e-03	-14.32	0.0	192.42	-238.59	0.12	0.72	-0.46	1224.33
		872.39	-0.46	-2.17e-04	-0.18	143.2	169.51	-252.91	-0.06	0.72	-0.42	872.39
34	24	1743.05	-0.30	4.17e-03	-19.33	0.0	278.59	-342.34	0.05	1.06	-0.37	1743.05
		1238.95	-0.37	-5.63e-06	0.0	143.2	278.59	-361.67	0.05	1.06	-0.30	1238.95
34	27	1225.52	-0.36	2.92e-03	-14.32	0.0	203.14	-238.70	0.05	0.73	-0.43	1225.52
		873.43	-0.43	-9.80e-06	0.0	143.2	203.14	-253.02	0.05	0.73	-0.36	873.43
34	28	1743.00	-0.51	4.17e-03	-19.33	0.0	288.79	-342.38	0.08	1.08	-0.62	1743.00
		1238.84	-0.62	-1.40e-05	0.0	143.2	288.79	-361.71	0.08	1.08	-0.51	1238.84
34	29	1225.52	-0.36	2.92e-03	-14.32	0.0	203.14	-238.70	0.05	0.73	-0.43	1225.52
		873.43	-0.43	-9.80e-06	0.0	143.2	203.14	-253.02	0.05	0.73	-0.36	873.43
34	38	1616.60	-1.97	3.93e-03	-14.32	0.0	403.30	-302.15	-0.96	-8.68	-1.97	1616.60
		1174.52	-3.54	-9.90e-04	-0.14	143.2	384.97	-316.47	-1.11	-8.68	-3.54	1174.52
34	39	1645.34	-2.15	3.95e-03	-14.32	0.0	432.25	-293.13	-0.86	-7.90	-2.15	1645.34
		1215.43	-3.40	-6.44e-04	-0.14	143.2	413.92	-307.45	-1.01	-7.90	-3.40	1215.43
34	40	1483.43	0.38	3.70e-03	-14.32	0.0	204.31	-294.71	-1.20	-5.81	0.38	1483.43
		1050.99	-1.53	2.24e-04	-0.14	143.2	185.98	-309.03	-1.35	-5.81	-1.53	1050.99
34	52	1496.51	-0.24	3.76e-03	-14.32	0.0	240.19	-307.84	-1.24	-7.72	-0.24	1496.51
		1046.50	-2.40	-6.05e-04	-0.14	143.2	221.86	-322.16	-1.38	-7.72	-2.40	1046.50
34	70	1597.16	-1.57	3.89e-03	-14.32	0.0	371.72	-299.08	-0.99	-8.00	-1.57	1597.16
		1159.16	-3.14	-7.13e-04	-0.14	143.2	353.39	-313.40	-1.13	-8.00	-3.14	1159.16

34	71	1615.94	-1.69	3.90e-03	-14.32	0.0	390.69	-293.35	-0.92	-7.51	-1.69	1615.94
		1185.68	-3.06	-4.64e-04	-0.14	143.2	372.36	-307.67	-1.07	-7.51	-3.06	1185.68
34	72	1512.83	-0.09	3.75e-03	-14.32	0.0	245.86	-294.48	-1.14	-6.20	-0.09	1512.83
		1080.74	-1.88	4.39e-05	-0.14	143.2	227.53	-308.81	-1.29	-6.20	-1.88	1080.74
34	84	1520.43	-0.47	3.79e-03	-14.32	0.0	267.79	-302.78	-1.16	-7.39	-0.47	1520.43
		1077.25	-2.43	-5.10e-04	-0.14	143.2	249.46	-317.10	-1.31	-7.39	-2.43	1077.25
35	6	2132.90	-0.62	2.73e-03	-19.33	0.0	360.83	-265.20	0.48	1.65	-1.30	2132.90
		1739.27	-1.30	-8.64e-06	0.0	143.2	360.83	-284.53	0.48	1.65	-0.62	1739.27
35	7	730.29	4.04e-03	9.26e-04	-14.32	0.0	127.61	-59.91	-0.13	0.81	4.04e-03	730.29
		634.24	-0.18	-3.55e-06	0.0	143.2	127.61	-74.23	-0.13	0.81	-0.18	634.24
35	13	2131.77	-0.67	2.73e-03	-19.33	0.0	358.58	-264.95	0.62	1.64	-1.36	2131.77
		1738.50	-1.36	-3.20e-04	-0.27	143.2	324.21	-284.28	0.35	1.64	-0.67	1738.50
35	15	1209.50	0.35	1.63e-03	-14.32	0.0	270.90	-136.74	-0.02	-7.89	0.35	1209.50
		1003.43	0.32	-2.45e-04	0.0	143.2	270.90	-151.06	-0.02	-7.89	0.32	1003.43
35	18	1494.21	-0.46	1.91e-03	-14.32	0.0	251.81	-182.63	0.40	1.17	-0.91	1494.21
		1222.42	-0.91	-2.13e-04	-0.18	143.2	228.90	-196.95	0.22	1.17	-0.46	1222.42
35	19	1494.97	-0.43	1.91e-03	-14.32	0.0	253.32	-182.79	0.30	1.18	-0.87	1494.97
		1222.94	-0.87	-6.11e-06	0.0	143.2	253.32	-197.11	0.30	1.18	-0.43	1222.94
35	20	730.29	4.04e-03	9.26e-04	-14.32	0.0	127.61	-59.91	-0.13	0.81	4.04e-03	730.29
		634.24	-0.18	-3.55e-06	0.0	143.2	127.61	-74.23	-0.13	0.81	-0.18	634.24
35	21	1049.85	-0.27	1.43e-03	-14.32	0.0	183.27	-103.13	0.06	0.46	-0.35	1049.85
		891.90	-0.35	-4.12e-06	0.0	143.2	183.27	-117.45	0.06	0.46	-0.27	891.90
35	22	1494.21	-0.46	1.91e-03	-14.32	0.0	251.81	-182.63	0.40	1.17	-0.91	1494.21
		1222.42	-0.91	-2.13e-04	-0.18	143.2	228.90	-196.95	0.22	1.17	-0.46	1222.42
35	24	2133.04	-0.37	2.73e-03	-19.33	0.0	348.12	-265.18	0.39	1.64	-0.93	2133.04
		1739.44	-0.93	-2.24e-06	0.0	143.2	348.12	-284.51	0.39	1.64	-0.37	1739.44
35	27	1494.97	-0.43	1.91e-03	-14.32	0.0	253.32	-182.79	0.30	1.18	-0.87	1494.97
		1222.94	-0.87	-6.11e-06	0.0	143.2	253.32	-197.11	0.30	1.18	-0.43	1222.94
35	28	2132.90	-0.62	2.73e-03	-19.33	0.0	360.83	-265.20	0.48	1.65	-1.30	2132.90
		1739.27	-1.30	-8.64e-06	0.0	143.2	360.83	-284.53	0.48	1.65	-0.62	1739.27
35	29	1494.97	-0.43	1.91e-03	-14.32	0.0	253.32	-182.79	0.30	1.18	-0.87	1494.97
		1222.94	-0.87	-6.11e-06	0.0	143.2	253.32	-197.11	0.30	1.18	-0.43	1222.94
35	39	1953.76	1.11	2.60e-03	-14.32	0.0	544.32	-212.87	-2.18	4.18	1.11	1953.76
		1638.33	-2.15	-6.95e-04	-0.14	143.2	525.99	-227.19	-2.33	4.18	-2.15	1638.33
35	40	1818.25	1.83	2.48e-03	-14.32	0.0	263.05	-227.78	-0.97	-0.09	1.83	1818.25
		1482.13	0.38	2.85e-04	-0.14	143.2	244.72	-242.10	-1.11	-0.09	0.38	1482.13
35	41	1836.46	2.02	2.47e-03	-14.32	0.0	294.83	-221.70	-1.17	1.17	2.02	1836.46
		1508.57	0.20	5.05e-04	-0.14	143.2	276.50	-236.02	-1.31	1.17	0.20	1508.57
35	71	1929.08	1.25	2.58e-03	-14.32	0.0	492.97	-215.54	-1.96	3.41	1.25	1929.08
		1609.95	-1.69	-4.91e-04	-0.14	143.2	474.64	-229.86	-2.11	3.41	-1.69	1609.95
35	72	1842.93	1.70	2.50e-03	-14.32	0.0	314.40	-225.10	-1.19	0.67	1.70	1842.93
		1510.51	-0.09	8.18e-05	-0.14	143.2	296.07	-239.42	-1.33	0.67	-0.09	1510.51
35	73	1854.91	1.81	2.50e-03	-14.32	0.0	335.25	-221.20	-1.32	1.50	1.81	1854.91
		1527.81	-0.20	2.56e-04	-0.14	143.2	316.92	-235.52	-1.46	1.50	-0.20	1527.81
36	7	761.87	4.04e-03	3.25e-04	-14.32	0.0	138.38	-15.19	0.61	2.29	-0.88	761.87
		729.86	-0.88	-2.26e-06	0.0	143.2	138.38	-29.51	0.61	2.29	4.04e-03	729.86
36	12	2071.74	0.44	8.63e-04	-14.32	0.0	356.33	-130.98	-1.22	2.11	0.44	2071.74
		1873.91	-1.31	0.0	0.0	143.2	356.33	-145.30	-1.22	2.11	-1.31	1873.91
36	13	2337.98	0.28	9.79e-04	-19.33	0.0	414.97	-136.04	-1.01	2.91	0.28	2337.98
		2129.32	-1.36	-3.13e-04	-0.27	143.2	380.60	-155.37	-1.29	2.91	-1.36	2129.32
36	15	1338.41	0.35	6.32e-04	-14.32	0.0	306.81	-82.04	4.39	7.48	-5.94	1338.41
		1210.66	-5.94	-2.39e-04	0.0	143.2	306.81	-96.37	4.39	7.48	0.35	1210.66
36	18	1634.84	0.10	6.85e-04	-14.32	0.0	290.49	-92.21	-0.62	2.17	0.10	1634.84
		1492.53	-0.91	-2.09e-04	-0.18	143.2	267.57	-106.53	-0.80	2.17	-0.91	1492.53
36	19	1635.12	-1.32e-03	6.84e-04	-14.32	0.0	283.68	-92.38	-0.61	2.17	-1.32e-03	1635.12
		1492.56	-0.87	-1.24e-06	0.0	143.2	283.68	-106.70	-0.61	2.17	-0.87	1492.56
36	20	761.87	4.04e-03	3.25e-04	-14.32	0.0	138.38	-15.19	0.61	2.29	-0.88	761.87
		729.86	-0.88	-2.26e-06	0.0	143.2	138.38	-29.51	0.61	2.29	4.04e-03	729.86
36	21	1129.64	-0.25	5.65e-04	-14.32	0.0	202.88	-49.38	-0.07	1.96	-0.25	1129.64
		1048.67	-0.35	-1.72e-06	0.0	143.2	202.88	-63.70	-0.07	1.96	-0.35	1048.67
36	22	1634.84	0.10	6.85e-04	-14.32	0.0	290.49	-92.21	-0.62	2.17	0.10	1634.84
		1492.53	-0.91	-2.09e-04	-0.18	143.2	267.57	-106.53	-0.80	2.17	-0.91	1492.53
36	24	2338.58	0.16	9.77e-04	-19.33	0.0	390.73	-136.29	-0.77	2.91	0.16	2338.58
		2129.56	-0.93	2.66e-06	0.0	143.2	390.73	-155.62	-0.77	2.91	-0.93	2129.56
36	27	1635.12	-1.32e-03	6.84e-04	-14.32	0.0	283.68	-92.38	-0.61	2.17	-1.32e-03	1635.12
		1492.56	-0.87	-1.24e-06	0.0	143.2	283.68	-106.70	-0.61	2.17	-0.87	1492.56
36	28	2338.39	0.13	9.77e-04	-19.33	0.0	404.77	-136.30	-1.00	2.92	0.13	2338.39
		2129.36	-1.30	-1.53e-06	0.0	143.2	404.77	-155.63	-1.00	2.92	-1.30	2129.36
36	29	1635.12	-1.32e-03	6.84e-04	-14.32	0.0	283.68	-92.38	-0.61	2.17	-1.32e-03	1635.12
		1492.56	-0.87	-1.24e-06	0.0	143.2	283.68	-106.70	-0.61	2.17	-0.87	1492.56
36	39	2112.80	1.11	9.93e-04	-14.32	0.0	611.51	-106.16	12.08	25.37	-16.11	2112.80
		1950.05	-16.11	3.53e-03	-0.14	143.2	593.18	-120.48	11.93	25.37	1.11	1950.05
36	40	2021.65	1.83	9.77e-04	-14.32	0.0	302.80	-132.37	2.13	11.36	-1.08	2021.65
		1822.29	-1.08	-3.94e-03	-0.14	143.2	284.47	-146.69	1.99	11.36	1.83	1822.29
36	41	2029.85	2.02	9.60e-04	-14.32	0.0	333.71	-126.21	3.18	13.27	-2.46	2029.85
		1838.48	-2.46	4.71e-03	-0.14	143.2	315.38	-140.53	3.03	13.27	2.02	1838.48
36	71	2096.10	1.25	9.89e-04	-14.32	0.0	555.07	-110.90	10.26	22.82	-13.36	2096.10



		1926.76	-13.36	2.20e-03	-0.14	143.2	536.74	-125.22	10.11	22.82	1.25	1926.76
36	72	2038.34	1.70	9.80e-04	-14.32	0.0	359.25	-127.63	3.95	13.91	-3.83	2038.34
		1845.58	-3.83	-2.60e-03	-0.14	143.2	340.92	-141.95	3.80	13.91	1.70	1845.58
36	73	2043.75	1.81	9.69e-04	-14.32	0.0	379.54	-123.63	4.63	15.17	-4.74	2043.75
		1856.24	-4.74	2.93e-03	-0.14	143.2	361.21	-137.95	4.49	15.17	1.81	1856.24
37	7	-11.48	0.38	-2.40e-05	-16.90	0.0	-11.33	12.31	-0.37	-1.74	0.38	-18.65
		-18.65	-0.21	9.41e-06	0.0	160.0	-11.33	-4.59	-0.37	-1.74	-0.21	-12.47
37	11	-3.10	0.51	-4.86e-06	-16.90	0.0	-18.36	-1.64	0.08	-0.82	0.39	-3.10
		-19.24	0.39	1.62e-05	0.0	160.0	-18.36	-18.54	0.08	-0.82	0.51	-19.24
37	15	-43.98	2.06	-1.09e-04	-16.90	0.0	-35.39	14.51	-3.74	-25.80	2.06	-53.94
		-53.94	-3.92	-2.08e-04	0.0	160.0	-35.39	-2.39	-3.74	-25.80	-3.92	-44.24
37	18	-16.45	0.61	-3.34e-05	-16.90	0.0	-21.92	10.36	-0.12	-0.88	0.61	-21.53
		-21.53	0.42	-2.17e-04	0.0	160.0	-21.92	-6.54	-0.12	-0.88	0.42	-18.47
37	19	-16.38	0.50	-3.32e-05	-16.90	0.0	-20.99	10.48	-0.04	-0.88	0.50	-21.58
		-21.58	0.43	1.74e-05	0.0	160.0	-20.99	-6.42	-0.04	-0.88	0.43	-18.33
37	20	-11.48	0.38	-2.40e-05	-16.90	0.0	-11.33	12.31	-0.37	-1.74	0.38	-18.65
		-18.65	-0.21	9.41e-06	0.0	160.0	-11.33	-4.59	-0.37	-1.74	-0.21	-12.47
37	21	-7.86	0.38	-1.12e-05	-16.90	0.0	-16.02	3.01	-0.07	-1.13	0.38	-8.29
		-16.99	0.27	1.39e-05	0.0	160.0	-16.02	-13.89	-0.07	-1.13	0.27	-16.99
37	22	-16.45	0.61	-3.34e-05	-16.90	0.0	-21.92	10.36	-0.12	-0.88	0.61	-21.53
		-21.53	0.42	-2.17e-04	0.0	160.0	-21.92	-6.54	-0.12	-0.88	0.42	-18.47
37	27	-16.38	0.50	-3.32e-05	-16.90	0.0	-20.99	10.48	-0.04	-0.88	0.50	-21.58
		-21.58	0.43	1.74e-05	0.0	160.0	-20.99	-6.42	-0.04	-0.88	0.43	-18.33
37	28	-22.83	0.69	-4.62e-05	-22.82	0.0	-29.79	13.88	-7.37e-03	-1.06	0.69	-29.58
		-29.58	0.68	2.46e-05	0.0	160.0	-29.79	-8.93	-7.37e-03	-1.06	0.68	-25.62
37	29	-16.38	0.50	-3.32e-05	-16.90	0.0	-20.99	10.48	-0.04	-0.88	0.50	-21.58
		-21.58	0.43	1.74e-05	0.0	160.0	-20.99	-6.42	-0.04	-0.88	0.43	-18.33
37	31	-138.38	3.24	-2.21e-04	-16.90	0.0	-25.42	11.00	-4.07	-45.03	3.24	-147.35
		-147.35	-3.06	-1.16e-03	0.0	160.0	-25.42	-5.90	-4.07	-45.03	-3.06	-138.85
37	36	-52.01	2.52	-1.06e-04	-16.90	0.0	-2.18	15.55	-6.31	-20.83	2.52	-59.93
		-59.93	-7.55	1.00e-03	0.0	160.0	-2.18	-1.35	-6.31	-20.83	-7.55	-52.75
37	44	-63.37	2.51	-1.18e-04	-16.90	0.0	3.32	14.63	-6.42	-22.59	2.51	-73.18
		-73.18	-7.74	-1.45e-04	0.0	160.0	3.32	-2.27	-6.42	-22.59	-7.74	-63.66
37	59	-117.03	3.33	-1.89e-04	-16.90	0.0	-34.80	9.89	-4.49	-31.29	3.33	-122.16
		-122.16	-3.92	7.15e-04	0.0	160.0	-34.80	-7.02	-4.49	-31.29	-3.92	-119.03
37	60	-72.72	2.43	-1.37e-04	-16.90	0.0	6.28	16.50	-5.72	-34.37	2.43	-84.80
		-84.80	-6.65	-1.01e-03	0.0	160.0	6.28	-0.40	-5.72	-34.37	-6.65	-72.76
37	63	-121.68	3.11	-1.98e-04	-16.90	0.0	-21.80	11.82	-4.48	-40.13	3.11	-130.29
		-130.29	-3.93	-6.56e-04	0.0	160.0	-21.80	-5.08	-4.48	-40.13	-3.93	-122.22
37	68	-68.76	2.65	-1.28e-04	-16.90	0.0	-6.11	14.68	-5.84	-25.67	2.65	-76.88
		-76.88	-6.67	4.46e-04	0.0	160.0	-6.11	-2.22	-5.84	-25.67	-6.67	-69.44
37	76	-74.99	2.65	-1.34e-04	-16.90	0.0	-3.02	14.12	-5.94	-26.38	2.65	-84.24
		-84.24	-6.84	-1.70e-04	0.0	160.0	-3.02	-2.78	-5.94	-26.38	-6.84	-75.38
37	91	-109.49	3.17	-1.80e-04	-16.90	0.0	-27.55	11.06	-4.71	-31.88	3.17	-115.62
		-115.62	-4.40	4.06e-04	0.0	160.0	-27.55	-5.84	-4.71	-31.88	-4.40	-110.93
37	92	-80.69	2.59	-1.46e-04	-16.90	0.0	-0.97	15.33	-5.50	-33.78	2.59	-91.35
		-91.35	-6.17	-7.01e-04	0.0	160.0	-0.97	-1.57	-5.50	-33.78	-6.17	-80.86
38	7	761.69	4.23e-03	-3.07e-04	-14.43	0.0	138.55	28.08	-0.63	-2.43	4.23e-03	731.58
		731.58	-0.90	2.18e-06	0.0	144.3	138.55	13.65	-0.63	-2.43	-0.90	761.69
38	13	2338.60	-0.14	-9.27e-04	-19.48	0.0	427.52	152.79	0.94	-3.29	-1.29	2132.19
		2132.19	-1.29	-3.12e-04	-0.27	144.3	392.90	133.32	0.66	-3.29	-0.14	2338.60
38	15	1335.83	0.82	-4.74e-04	-14.43	0.0	316.27	20.32	-4.74	-14.68	0.82	1316.91
		1316.91	-6.02	-2.13e-04	0.0	144.3	316.27	5.89	-4.74	-14.68	-6.02	1335.83
38	18	1635.23	-0.18	-6.49e-04	-14.43	0.0	298.87	104.67	0.56	-2.44	-0.86	1494.62
		1494.62	-0.86	-2.08e-04	-0.18	144.3	275.79	90.24	0.38	-2.44	-0.18	1635.23
38	19	1634.79	-0.04	-6.50e-04	-14.43	0.0	283.95	104.48	0.57	-2.43	-0.87	1494.45
		1494.45	-0.87	1.06e-06	0.0	144.3	283.95	90.05	0.57	-2.43	-0.04	1634.79
38	20	761.69	4.23e-03	-3.07e-04	-14.43	0.0	138.55	28.08	-0.63	-2.43	4.23e-03	731.58
		731.58	-0.90	2.18e-06	0.0	144.3	138.55	13.65	-0.63	-2.43	-0.90	761.69
38	21	1130.49	-0.09	-3.74e-04	-14.43	0.0	207.30	28.01	0.22	-1.20	-0.42	1100.49
		1100.49	-0.42	0.0	0.0	144.3	207.30	13.58	0.22	-1.20	-0.09	1130.49
38	22	1635.23	-0.18	-6.49e-04	-14.43	0.0	298.87	104.67	0.56	-2.44	-0.86	1494.62
		1494.62	-0.86	-2.08e-04	-0.18	144.3	275.79	90.24	0.38	-2.44	-0.18	1635.23
38	27	1634.79	-0.04	-6.50e-04	-14.43	0.0	283.95	104.48	0.57	-2.43	-0.87	1494.45
		1494.45	-0.87	1.06e-06	0.0	144.3	283.95	90.05	0.57	-2.43	-0.04	1634.79
38	28	2337.93	0.07	-9.30e-04	-19.48	0.0	405.14	152.51	0.96	-3.29	-1.30	2131.93
		2131.93	-1.30	1.28e-06	0.0	144.3	405.14	133.03	0.96	-3.29	0.07	2337.93
38	29	1634.79	-0.04	-6.50e-04	-14.43	0.0	283.95	104.48	0.57	-2.43	-0.87	1494.45
		1494.45	-0.87	1.06e-06	0.0	144.3	283.95	90.05	0.57	-2.43	-0.04	1634.79
38	38	2104.88	0.08	-7.36e-04	-14.43	0.0	602.61	41.03	-10.50	-24.08	0.08	2060.97
		2060.97	-15.40	-7.58e-04	-0.15	144.3	584.14	26.61	-10.65	-24.08	-15.40	2104.88
38	39	2113.50	-0.22	-7.54e-04	-14.43	0.0	623.98	45.80	-10.04	-22.79	-0.22	2052.84
		2052.84	-14.57	-6.80e-04	-0.15	144.3	605.51	31.37	-10.18	-22.79	-14.57	2113.50
38	40	2021.99	3.43	-6.92e-04	-14.43	0.0	319.46	58.83	-4.30	-14.70	3.43	1952.50
		1952.50	-3.12	3.56e-04	-0.15	144.3	300.99	44.40	-4.45	-14.70	-3.12	2021.99
38	45	2024.21	3.16	-7.03e-04	-14.43	0.0	338.11	63.63	-3.91	-13.53	3.16	1943.85
		1943.85	-2.43	3.98e-04	-0.15	144.3	319.64	49.20	-4.06	-13.53	-2.43	2024.21

38	70	2091.06	0.65	-7.31e-04	-14.43	0.0	554.19	45.25	-9.27	-22.10	0.65	2039.39
		2039.39	-12.97	-5.13e-04	-0.15	144.3	535.72	30.82	-9.41	-22.10	-12.97	2091.06
38	71	2096.75	0.45	-7.44e-04	-14.43	0.0	567.97	48.22	-8.98	-21.30	0.45	2034.32
		2034.32	-12.46	-5.05e-04	-0.15	144.3	549.50	33.79	-9.13	-21.30	-12.46	2096.75
38	72	2038.74	2.76	-7.02e-04	-14.43	0.0	375.47	56.41	-5.36	-16.19	2.76	1971.02
		1971.02	-5.23	1.81e-04	-0.15	144.3	357.00	41.98	-5.50	-16.19	-5.23	2038.74
38	77	2040.26	2.58	-7.10e-04	-14.43	0.0	387.57	59.43	-5.12	-15.47	2.58	1965.65
		1965.65	-4.80	1.73e-04	-0.15	144.3	369.10	45.00	-5.26	-15.47	-4.80	2040.26
39	7	732.00	4.23e-03	-9.18e-04	-14.43	0.0	128.07	73.12	0.13	-0.95	-0.18	636.90
		636.90	-0.18	3.52e-06	0.0	144.3	128.07	58.70	0.13	-0.95	4.23e-03	732.00
39	12	1879.26	-0.58	-2.39e-03	-14.43	0.0	316.98	255.61	-0.50	-1.67	-0.58	1520.86
		1520.86	-1.31	7.32e-06	0.0	144.3	316.98	241.18	-0.50	-1.67	-1.31	1879.26
39	13	2136.80	-0.64	-2.71e-03	-19.48	0.0	396.87	281.47	-0.31	-2.00	-0.64	1744.74
		1744.74	-1.29	-3.05e-04	-0.27	144.3	362.24	261.99	-0.59	-2.00	-1.29	2136.80
39	15	1315.63	0.82	-1.56e-03	-14.43	0.0	290.33	160.60	1.45	4.06	-1.26	1094.31
		1094.31	-1.26	-2.08e-04	0.0	144.3	290.33	146.17	1.45	4.06	0.82	1315.63
39	18	1497.74	-0.45	-1.90e-03	-14.43	0.0	277.39	194.96	-0.20	-1.43	-0.45	1226.85
		1226.85	-0.86	-2.03e-04	-0.18	144.3	254.30	180.53	-0.38	-1.43	-0.86	1497.74
39	19	1496.84	-0.45	-1.90e-03	-14.43	0.0	254.01	194.78	-0.29	-1.43	-0.45	1226.21
		1226.21	-0.87	6.05e-06	0.0	144.3	254.01	180.35	-0.29	-1.43	-0.87	1496.84
39	20	732.00	4.23e-03	-9.18e-04	-14.43	0.0	128.07	73.12	0.13	-0.95	-0.18	636.90
		636.90	-0.18	3.52e-06	0.0	144.3	128.07	58.70	0.13	-0.95	4.23e-03	732.00
39	21	1101.35	-0.35	-1.29e-03	-14.43	0.0	195.63	82.98	-0.04	0.17	-0.35	992.03
		992.03	-0.42	2.76e-06	0.0	144.3	195.63	68.55	-0.04	0.17	-0.42	1101.35
39	22	1497.74	-0.45	-1.90e-03	-14.43	0.0	277.39	194.96	-0.20	-1.43	-0.45	1226.85
		1226.85	-0.86	-2.03e-04	-0.18	144.3	254.30	180.53	-0.38	-1.43	-0.86	1497.74
39	27	1496.84	-0.45	-1.90e-03	-14.43	0.0	254.01	194.78	-0.29	-1.43	-0.45	1226.21
		1226.21	-0.87	6.05e-06	0.0	144.3	254.01	180.35	-0.29	-1.43	-0.87	1496.84
39	28	2135.46	-0.64	-2.71e-03	-19.48	0.0	361.81	281.20	-0.46	-2.00	-0.64	1743.78
		1743.78	-1.30	8.55e-06	0.0	144.3	361.81	261.73	-0.46	-2.00	-1.30	2135.46
39	29	1496.84	-0.45	-1.90e-03	-14.43	0.0	254.01	194.78	-0.29	-1.43	-0.45	1226.21
		1226.21	-0.87	6.05e-06	0.0	144.3	254.01	180.35	-0.29	-1.43	-0.87	1496.84
39	34	2065.63	0.26	-2.42e-03	-14.43	0.0	563.78	207.48	1.40	-5.24	-1.66	1775.55
		1775.55	-1.66	-2.30e-03	-0.15	144.3	545.31	193.05	1.26	-5.24	0.26	2065.63
39	37	1940.72	2.95	-2.34e-03	-14.43	0.0	321.28	228.11	2.23	1.76	-0.16	1623.14
		1623.14	-0.16	1.98e-03	-0.15	144.3	302.81	213.68	2.08	1.76	2.95	1940.72
39	38	2063.35	0.08	-2.36e-03	-14.43	0.0	582.06	211.84	1.36	-2.71	-1.88	1766.45
		1766.45	-1.88	-8.11e-04	-0.15	144.3	563.59	197.41	1.21	-2.71	0.08	2063.35
39	40	1951.63	3.43	-2.23e-03	-14.43	0.0	321.38	218.32	2.41	-1.95	-0.07	1645.64
		1645.64	-0.07	2.70e-04	-0.15	144.3	302.92	203.89	2.27	-1.95	3.43	1951.63
39	41	1943.00	3.12	-2.40e-03	-14.43	0.0	303.00	223.74	2.28	-0.76	0.06	1632.24
		1632.24	0.06	4.95e-04	-0.15	144.3	284.54	209.32	2.13	-0.76	3.12	1943.00
39	69	1965.48	2.41	-2.36e-03	-14.43	0.0	369.24	224.10	2.06	0.43	-0.46	1653.40
		1653.40	-0.46	1.11e-03	-0.15	144.3	350.77	209.67	1.92	0.43	2.41	1965.48
39	70	2041.03	0.65	-2.37e-03	-14.43	0.0	530.42	214.06	1.53	-2.36	-1.53	1741.42
		1741.42	-1.53	-5.46e-04	-0.15	144.3	511.95	199.63	1.38	-2.36	0.65	2041.03
39	72	1970.63	2.76	-2.28e-03	-14.43	0.0	366.01	218.09	2.20	-1.88	-0.38	1665.40
		1665.40	-0.38	1.26e-04	-0.15	144.3	347.54	203.66	2.05	-1.88	2.76	1970.63
39	73	1965.32	2.56	-2.39e-03	-14.43	0.0	354.64	221.52	2.11	-1.12	-0.30	1657.27
		1657.27	-0.30	2.31e-04	-0.15	144.3	336.17	207.09	1.96	-1.12	2.56	1965.32
39	74	2041.63	0.63	-2.42e-03	-14.43	0.0	528.50	214.01	1.52	-2.30	-1.45	1742.98
		1742.98	-1.45	-5.16e-04	-0.15	144.3	510.03	199.59	1.37	-2.30	0.63	2041.63
40	7	637.84	-0.18	-1.45e-03	-14.43	0.0	106.71	118.00	7.92e-03	-0.21	-0.20	478.00
		478.00	-0.20	4.70e-06	0.0	144.3	106.71	103.57	7.92e-03	-0.21	-0.18	637.84
40	13	1749.49	-0.42	-4.17e-03	-19.48	0.0	339.20	359.27	-0.02	-1.38	-0.42	1245.16
		1245.16	-0.64	-3.00e-04	-0.27	144.3	304.57	339.80	-0.29	-1.38	-0.64	1749.49
40	15	1095.76	-0.78	-2.47e-03	-14.43	0.0	234.79	218.15	-0.34	13.39	-0.78	791.42
		791.42	-1.26	-2.01e-04	0.0	144.3	234.79	203.72	-0.34	13.39	-1.26	1095.76
40	18	1230.11	-0.30	-2.93e-03	-14.43	0.0	236.81	251.32	-0.01	-0.94	-0.30	877.91
		877.91	-0.45	-1.99e-04	-0.18	144.3	213.72	236.89	-0.19	-0.94	-0.45	1230.11
40	19	1228.79	-0.34	-2.93e-03	-14.43	0.0	204.01	251.19	-0.08	-0.94	-0.34	876.77
		876.77	-0.45	9.83e-06	0.0	144.3	204.01	236.76	-0.08	-0.94	-0.45	1228.79
40	20	637.84	-0.18	-1.45e-03	-14.43	0.0	106.71	118.00	7.92e-03	-0.21	-0.20	478.00
		478.00	-0.20	4.70e-06	0.0	144.3	106.71	103.57	7.92e-03	-0.21	-0.18	637.84
40	21	993.06	-0.35	-2.12e-03	-14.43	0.0	168.81	138.78	0.07	0.55	-0.45	803.24
		803.24	-0.45	5.63e-06	0.0	144.3	168.81	124.35	0.07	0.55	-0.35	993.06
40	22	1230.11	-0.30	-2.93e-03	-14.43	0.0	236.81	251.32	-0.01	-0.94	-0.30	877.91
		877.91	-0.45	-1.99e-04	-0.18	144.3	213.72	236.89	-0.19	-0.94	-0.45	1230.11
40	28	1747.51	-0.47	-4.17e-03	-19.48	0.0	290.02	359.09	-0.12	-1.38	-0.47	1243.45
		1243.45	-0.64	1.40e-05	0.0	144.3	290.02	339.61	-0.12	-1.38	-0.64	1747.51
40	29	1228.79	-0.34	-2.93e-03	-14.43	0.0	204.01	251.19	-0.08	-0.94	-0.34	876.77
		876.77	-0.45	9.83e-06	0.0	144.3	204.01	236.76	-0.08	-0.94	-0.45	1228.79
40	31	1766.19	-1.64	-3.89e-03	-14.43	0.0	468.13	303.69	1.53	8.86	-3.86	1348.83
		1348.83	-3.86	-2.06e-03	-0.15	144.3	449.66	289.26	1.38	8.86	-1.64	1766.19
40	34	1783.78	-1.66	-3.90e-03	-14.43	0.0	481.00	294.50	1.49	7.87	-3.70	1378.56
		1378.56	-3.70	-2.34e-03	-0.15	144.3	462.54	280.07	1.34	7.87	-1.66	1783.78
40	37	1623.42	-0.16	-3.71e-03	-14.43	0.0	270.53	294.24	1.01	6.49	-1.51	1200.00

		1200.00	-1.51	2.04e-03	-0.15	144.3	252.06	279.81	0.86	6.49	-0.16	1623.42
40	38	1772.32	-1.88	-3.93e-03	-14.43	0.0	489.99	293.63	1.34	8.67	-3.59	1358.70
		1358.70	-3.59	-8.62e-04	-0.15	144.3	471.53	279.20	1.20	8.67	-1.88	1772.32
40	41	1634.87	0.06	-3.68e-03	-14.43	0.0	261.54	295.11	1.15	5.69	-1.62	1219.85
		1219.85	-1.62	5.58e-04	-0.15	144.3	243.07	280.68	1.01	5.69	0.06	1634.87
40	63	1741.02	-1.35	-3.86e-03	-14.43	0.0	431.34	300.40	1.42	8.33	-3.37	1324.47
		1324.47	-3.37	-1.30e-03	-0.15	144.3	412.87	285.97	1.27	8.33	-1.35	1741.02
40	66	1751.93	-1.36	-3.86e-03	-14.43	0.0	439.27	294.48	1.39	7.68	-3.26	1343.20
		1343.20	-3.26	-1.45e-03	-0.15	144.3	420.80	280.05	1.25	7.68	-1.36	1751.93
40	69	1655.27	-0.46	-3.74e-03	-14.43	0.0	312.27	294.25	1.10	6.68	-1.95	1235.36
		1235.36	-1.95	1.15e-03	-0.15	144.3	293.80	279.82	0.96	6.68	-0.46	1655.27
40	70	1746.67	-1.53	-3.88e-03	-14.43	0.0	447.68	293.92	1.31	8.11	-3.23	1332.75
		1332.75	-3.23	-5.80e-04	-0.15	144.3	429.21	279.49	1.16	8.11	-1.53	1746.67
40	73	1660.52	-0.30	-3.72e-03	-14.43	0.0	303.85	294.82	1.19	6.24	-1.98	1245.80
		1245.80	-1.98	2.75e-04	-0.15	144.3	285.38	280.39	1.04	6.24	-0.30	1660.52
41	6	1245.28	-0.47	-5.22e-03	-19.48	0.0	196.48	418.08	0.88	-1.80	-1.74	656.11
		656.11	-1.74	1.95e-05	0.0	144.3	196.48	398.60	0.88	-1.80	-0.47	1245.28
41	7	478.67	-0.16	-1.85e-03	-14.43	0.0	74.38	155.77	-0.02	0.01	-0.16	264.32
		264.32	-0.20	6.13e-06	0.0	144.3	74.38	141.34	-0.02	0.01	-0.20	478.67
41	13	1247.76	-0.42	-5.22e-03	-19.48	0.0	264.88	417.94	0.89	-1.75	-1.51	658.78
		658.78	-1.51	-2.95e-04	-0.27	144.3	230.25	398.46	0.62	-1.75	-0.42	1247.76
41	15	793.75	3.54	-3.13e-03	-14.43	0.0	152.57	269.00	-2.99	15.36	3.54	416.03
		416.03	-0.78	-2.00e-04	0.0	144.3	152.57	254.57	-2.99	15.36	-0.78	793.75
41	18	879.71	-0.30	-3.66e-03	-14.43	0.0	184.02	294.20	0.59	-1.16	-1.02	465.62
		465.62	-1.02	-1.96e-04	-0.18	144.3	160.94	279.78	0.41	-1.16	-0.30	879.71
41	19	878.05	-0.34	-3.66e-03	-14.43	0.0	138.42	294.29	0.58	-1.20	-1.18	463.84
		463.84	-1.18	1.36e-05	0.0	144.3	138.42	279.87	0.58	-1.20	-0.34	878.05
41	20	478.67	-0.16	-1.85e-03	-14.43	0.0	74.38	155.77	-0.02	0.01	-0.16	264.32
		264.32	-0.20	6.13e-06	0.0	144.3	74.38	141.34	-0.02	0.01	-0.20	478.67
41	21	803.50	-0.45	-2.79e-03	-14.43	0.0	123.60	214.82	0.37	-0.19	-0.99	503.96
		503.96	-0.99	9.59e-06	0.0	144.3	123.60	200.39	0.37	-0.19	-0.45	803.50
41	22	879.71	-0.30	-3.66e-03	-14.43	0.0	184.02	294.20	0.59	-1.16	-1.02	465.62
		465.62	-1.02	-1.96e-04	-0.18	144.3	160.94	279.78	0.41	-1.16	-0.30	879.71
41	27	878.05	-0.34	-3.66e-03	-14.43	0.0	138.42	294.29	0.58	-1.20	-1.18	463.84
		463.84	-1.18	1.36e-05	0.0	144.3	138.42	279.87	0.58	-1.20	-0.34	878.05
41	28	1245.28	-0.47	-5.22e-03	-19.48	0.0	196.48	418.08	0.88	-1.80	-1.74	656.11
		656.11	-1.74	1.95e-05	0.0	144.3	196.48	398.60	0.88	-1.80	-0.47	1245.28
41	29	878.05	-0.34	-3.66e-03	-14.43	0.0	138.42	294.29	0.58	-1.20	-1.18	463.84
		463.84	-1.18	1.36e-05	0.0	144.3	138.42	279.87	0.58	-1.20	-0.34	878.05
41	30	1383.21	4.61	-5.05e-03	-14.43	0.0	353.62	400.61	-5.62	16.25	4.61	814.98
		814.98	-3.67	-2.46e-03	-0.15	144.3	335.16	386.18	-5.77	16.25	-3.67	1383.21
41	31	1354.82	3.63	-5.02e-03	-14.43	0.0	339.74	402.49	-5.01	15.61	3.63	786.14
		786.14	-3.86	-2.00e-03	-0.15	144.3	321.27	388.06	-5.15	15.61	-3.86	1354.82
41	33	1205.36	6.95	-4.71e-03	-14.43	0.0	192.48	379.40	-5.86	8.28	6.95	668.97
		668.97	-1.54	2.17e-03	-0.15	144.3	174.01	364.97	-6.01	8.28	-1.54	1205.36
41	34	1386.64	4.73	-5.05e-03	-14.43	0.0	352.23	402.12	-5.71	16.14	4.73	817.95
		817.95	-3.70	-2.37e-03	-0.15	144.3	333.76	387.69	-5.85	16.14	-3.70	1386.64
41	37	1201.94	6.83	-4.71e-03	-14.43	0.0	193.88	377.90	-5.77	8.39	6.83	666.00
		666.00	-1.52	2.08e-03	-0.15	144.3	175.41	363.47	-5.92	8.39	-1.52	1201.94
41	56	1330.61	8.31	-4.88e-03	-14.43	0.0	269.45	388.43	-7.18	11.86	8.31	782.35
		782.35	-2.03	1.34e-05	-0.15	144.3	250.98	374.00	-7.32	11.86	-2.03	1330.61
41	63	1330.01	4.44	-4.97e-03	-14.43	0.0	313.08	397.59	-5.27	14.28	4.44	767.82
		767.82	-3.36	-1.26e-03	-0.15	144.3	294.62	383.16	-5.41	14.28	-3.36	1330.01
41	66	1350.08	5.15	-4.98e-03	-14.43	0.0	320.69	397.33	-5.72	14.62	5.15	787.98
		787.98	-3.26	-1.47e-03	-0.15	144.3	302.22	382.90	-5.86	14.62	-3.26	1350.08
41	70	1338.41	5.28	-4.99e-03	-14.43	0.0	322.39	396.50	-5.82	15.15	5.28	776.11
		776.11	-3.23	-6.04e-04	-0.15	144.3	303.92	382.07	-5.97	15.15	-3.23	1338.41
41	73	1250.17	6.29	-4.77e-03	-14.43	0.0	223.72	383.52	-5.66	9.37	6.29	707.83
		707.83	-1.98	3.14e-04	-0.15	144.3	205.25	369.09	-5.81	9.37	-1.98	1250.17
41	88	1318.36	7.41	-4.88e-03	-14.43	0.0	271.13	389.08	-6.67	12.03	7.41	768.58
		768.58	-2.25	-4.28e-05	-0.15	144.3	252.66	374.65	-6.82	12.03	-2.25	1318.36
41	89	1243.48	4.77	-4.82e-03	-14.43	0.0	248.44	386.75	-4.98	11.16	4.77	694.44
		694.44	-2.54	5.01e-04	-0.15	144.3	229.97	372.32	-5.12	11.16	-2.54	1243.48
42	13	675.33	0.65	-5.77e-03	-19.48	0.0	189.59	477.79	-1.36	0.0	0.65	0.0
		0.0	-1.51	-2.88e-04	-0.27	144.3	154.96	458.31	-1.64	0.0	-1.51	675.33
42	14	733.97	0.41	-4.47e-03	-19.48	0.0	182.36	518.43	-1.00	0.0	0.41	0.0
		0.0	-1.22	-2.95e-04	-0.27	144.3	147.73	498.95	-1.27	0.0	-1.22	733.97
42	15	435.65	3.54	-3.49e-03	-14.43	0.0	27.75	309.15	5.17	0.0	-3.92	0.0
		0.0	-3.92	-2.12e-04	0.0	144.3	27.75	294.72	5.17	0.0	3.54	435.65
42	18	477.34	0.42	-4.05e-03	-14.43	0.0	129.57	338.05	-0.90	0.0	0.42	0.0
		0.0	-1.02	-1.91e-04	-0.18	144.3	106.48	323.62	-1.09	0.0	-1.02	477.34
42	19	475.93	0.43	-4.05e-03	-14.43	0.0	59.16	337.07	-1.11	0.0	0.43	0.0
		0.0	-1.18	1.94e-05	0.0	144.3	59.16	322.64	-1.11	0.0	-1.18	475.93
42	20	271.24	-0.16	-2.07e-03	-14.43	0.0	31.73	195.20	0.03	0.0	-0.21	0.0
		0.0	-0.21	7.48e-06	0.0	144.3	31.73	180.77	0.03	0.0	-0.16	271.24
42	21	515.02	0.27	-3.19e-03	-14.43	0.0	54.34	364.16	-0.87	0.0	0.27	0.0
		0.0	-0.99	1.48e-05	0.0	144.3	54.34	349.73	-0.87	0.0	-0.99	515.02

42	22	477.34	0.42	-4.05e-03	-14.43	0.0	129.57	338.05	-0.90	0.0	0.42	0.0
		0.0	-1.02	-1.91e-04	-0.18	144.3	106.48	323.62	-1.09	0.0	-1.02	477.34
42	27	475.93	0.43	-4.05e-03	-14.43	0.0	59.16	337.07	-1.11	0.0	0.43	0.0
		0.0	-1.18	1.94e-05	0.0	144.3	59.16	322.64	-1.11	0.0	-1.18	475.93
42	28	673.21	0.68	-5.77e-03	-19.48	0.0	83.98	476.32	-1.68	0.0	0.68	0.0
		0.0	-1.74	2.80e-05	0.0	144.3	83.98	456.84	-1.68	0.0	-1.74	673.21
42	29	475.93	0.43	-4.05e-03	-14.43	0.0	59.16	337.07	-1.11	0.0	0.43	0.0
		0.0	-1.18	1.94e-05	0.0	144.3	59.16	322.64	-1.11	0.0	-1.18	475.93
42	35	803.92	3.51	-5.66e-03	-14.43	0.0	140.92	564.39	4.63	0.0	-3.02	0.0
		0.0	-3.02	-2.08e-03	-0.15	144.3	122.46	549.96	4.48	0.0	3.51	803.92
42	44	755.78	7.69	-5.32e-03	-14.43	0.0	111.83	531.02	10.75	0.0	-7.74	0.0
		0.0	-7.74	1.84e-04	-0.15	144.3	93.36	516.60	10.61	0.0	7.69	755.78
42	46	833.66	6.92	-5.62e-03	-14.43	0.0	184.17	585.00	8.32	0.0	-5.22	0.0
		0.0	-5.22	-1.69e-03	-0.15	144.3	165.71	570.57	8.17	0.0	6.92	833.66
42	49	706.74	4.65	-5.35e-03	-14.43	0.0	58.66	497.03	7.17	0.0	-5.35	0.0
		0.0	-5.35	1.36e-03	-0.15	144.3	40.19	482.61	7.02	0.0	4.65	706.74
42	54	842.57	7.31	-5.64e-03	-14.43	0.0	182.49	591.18	8.83	0.0	-5.36	0.0
		0.0	-5.36	-1.36e-03	-0.15	144.3	164.03	576.75	8.69	0.0	7.31	842.57
42	56	812.06	8.31	-5.52e-03	-14.43	0.0	161.67	570.03	10.37	0.0	-6.59	0.0
		0.0	-6.59	-1.12e-04	-0.15	144.3	143.20	555.60	10.22	0.0	8.31	812.06
42	67	789.50	4.36	-5.59e-03	-14.43	0.0	132.24	554.39	5.82	0.0	-3.90	0.0
		0.0	-3.90	-1.31e-03	-0.15	144.3	113.77	539.96	5.67	0.0	4.36	789.50
42	76	761.47	7.00	-5.39e-03	-14.43	0.0	115.73	534.97	9.66	0.0	-6.84	0.0
		0.0	-6.84	5.49e-05	-0.15	144.3	97.26	520.54	9.51	0.0	7.00	761.47
42	78	809.62	6.53	-5.57e-03	-14.43	0.0	160.71	568.34	8.16	0.0	-5.26	0.0
		0.0	-5.26	-1.08e-03	-0.15	144.3	142.24	553.91	8.01	0.0	6.53	809.62
42	81	730.77	5.03	-5.41e-03	-14.43	0.0	82.12	513.69	7.33	0.0	-5.31	0.0
		0.0	-5.31	7.47e-04	-0.15	144.3	63.66	499.27	7.18	0.0	5.03	730.77
42	86	815.88	6.80	-5.58e-03	-14.43	0.0	160.12	572.68	8.49	0.0	-5.37	0.0
		0.0	-5.37	-8.86e-04	-0.15	144.3	141.65	558.25	8.34	0.0	6.80	815.88
42	88	797.71	7.41	-5.51e-03	-14.43	0.0	147.77	560.09	9.43	0.0	-6.11	0.0
		0.0	-6.11	-1.37e-04	-0.15	144.3	129.30	545.66	9.28	0.0	7.41	797.71
43	7	58.06	-0.16	1.83e-03	-10.74	0.0	-14.42	-20.80	-0.01	2.65	-0.16	58.06
		18.53	-0.18	-6.41e-06	0.0	143.2	-14.42	-31.54	-0.01	2.65	-0.18	18.53
43	13	150.47	-0.50	5.15e-03	-14.50	0.0	-55.93	-64.57	0.06	10.04	-0.59	150.47
		41.42	-0.59	-3.30e-04	0.0	143.2	-55.93	-79.07	0.06	10.04	-0.50	41.42
43	15	87.52	0.46	3.19e-03	-10.74	0.0	8.89	-41.21	-0.79	-30.07	0.46	87.52
		24.69	-0.68	-2.57e-04	0.0	143.2	8.89	-51.94	-0.79	-30.07	-0.68	24.69
43	18	106.12	-0.35	3.62e-03	-10.74	0.0	-38.73	-45.13	0.04	6.96	-0.41	106.12
		29.46	-0.41	-2.21e-04	0.0	143.2	-38.73	-55.87	0.04	6.96	-0.35	29.46
43	19	106.21	-0.31	3.62e-03	-10.74	0.0	-26.14	-45.13	0.04	6.99	-0.36	106.21
		29.52	-0.36	-1.28e-05	0.0	143.2	-26.14	-55.86	0.04	6.99	-0.31	29.52
43	20	58.06	-0.16	1.83e-03	-10.74	0.0	-14.42	-20.80	-0.01	2.65	-0.16	58.06
		18.53	-0.18	-6.41e-06	0.0	143.2	-14.42	-31.54	-0.01	2.65	-0.18	18.53
43	21	79.92	-0.25	2.69e-03	-10.74	0.0	-18.71	-32.12	-6.98e-03	3.72	-0.25	79.92
		23.34	-0.26	-9.14e-06	0.0	143.2	-18.71	-42.85	-6.98e-03	3.72	-0.26	23.34
43	22	106.12	-0.35	3.62e-03	-10.74	0.0	-38.73	-45.13	0.04	6.96	-0.41	106.12
		29.46	-0.41	-2.21e-04	0.0	143.2	-38.73	-55.87	0.04	6.96	-0.35	29.46
43	24	150.62	1.57	5.15e-03	-14.50	0.0	-46.48	-64.62	6.11	10.07	-0.65	150.62
		41.43	-0.65	-8.13e-06	-12.03	143.2	-46.38	-79.12	-5.91	10.07	-0.51	41.43
43	25	111.18	1.69	3.77e-03	-14.50	0.0	-35.33	-45.11	6.05	5.16	-0.48	111.18
		32.15	-0.48	-3.71e-06	-12.03	143.2	-35.23	-59.61	-5.98	5.16	-0.44	32.15
43	27	106.21	-0.31	3.62e-03	-10.74	0.0	-26.14	-45.13	0.04	6.99	-0.36	106.21
		29.52	-0.36	-1.28e-05	0.0	143.2	-26.14	-55.86	0.04	6.99	-0.31	29.52
43	28	150.61	-0.43	5.15e-03	-14.50	0.0	-37.05	-64.57	0.06	10.09	-0.52	150.61
		41.50	-0.52	-1.83e-05	0.0	143.2	-37.05	-79.07	0.06	10.09	-0.43	41.50
43	29	106.21	-0.31	3.62e-03	-10.74	0.0	-26.14	-45.13	0.04	6.99	-0.36	106.21
		29.52	-0.36	-1.28e-05	0.0	143.2	-26.14	-55.86	0.04	6.99	-0.31	29.52
43	38	155.08	-8.88	5.02e-03	-10.74	0.0	67.13	-65.86	2.31	-12.13	-9.45	155.08
		53.35	-10.81	-1.07e-03	-6.41	143.2	67.18	-76.60	-4.11	-12.13	-10.81	53.35
43	39	159.65	-8.66	5.06e-03	-10.74	0.0	60.05	-57.64	3.07	-13.61	-9.70	159.65
		69.36	-9.92	-6.20e-04	-6.41	143.2	60.10	-68.38	-3.34	-13.61	-9.92	69.36
43	41	137.21	-7.03	4.67e-03	-10.74	0.0	-44.71	-52.37	2.15	-5.62	-7.57	137.21
		53.07	-9.01	6.13e-04	-6.41	143.2	-44.66	-63.11	-4.26	-5.62	-9.01	53.07
43	45	136.63	-7.02	4.66e-03	-10.74	0.0	-43.41	-52.79	2.11	-5.39	-7.53	136.63
		51.94	-9.04	5.53e-04	-6.41	143.2	-43.36	-63.53	-4.30	-5.39	-9.04	51.94
43	46	140.59	-8.14	4.82e-03	-10.74	0.0	34.02	-74.43	1.06	-8.51	-8.23	140.59
		28.66	-11.58	-1.59e-03	-6.41	143.2	34.07	-85.17	-5.36	-8.51	-11.58	28.66
43	52	135.18	-7.70	4.71e-03	-10.74	0.0	7.30	-72.02	0.82	-5.20	-7.76	135.18
		24.08	-11.25	-7.91e-04	-6.41	143.2	7.35	-82.75	-5.60	-5.20	-11.25	24.08
43	70	151.76	-8.54	4.95e-03	-10.74	0.0	46.42	-63.35	2.28	-10.91	-9.10	151.76
		53.31	-10.47	-7.65e-04	-6.41	143.2	46.47	-74.09	-4.14	-10.91	-10.47	53.31
43	71	154.74	-8.42	4.98e-03	-10.74	0.0	42.07	-58.13	2.77	-11.90	-9.27	154.74
		63.58	-9.91	-4.59e-04	-6.41	143.2	42.12	-68.86	-3.65	-11.90	-9.91	63.58
43	73	140.54	-7.38	4.74e-03	-10.74	0.0	-24.00	-54.88	2.18	-6.84	-7.92	140.54
		53.10	-9.34	3.10e-04	-6.41	143.2	-23.95	-65.61	-4.23	-6.84	-9.34	53.10
43	77	140.17	-7.37	4.73e-03	-10.74	0.0	-23.22	-55.12	2.16	-6.68	-7.89	140.17

		52.42	-9.36	2.69e-04	-6.41	143.2	-23.16	-65.85	-4.26	-6.68	-9.36	52.42
43	78	142.46	-8.11	4.82e-03	-10.74	0.0	25.12	-68.80	1.48	-8.49	-8.31	142.46
		37.51	-10.96	-1.10e-03	-6.41	143.2	25.17	-79.53	-4.94	-8.49	-10.96	37.51
43	84	139.04	-7.84	4.76e-03	-10.74	0.0	8.56	-67.34	1.32	-6.45	-8.02	139.04
		34.52	-10.76	-6.24e-04	-6.41	143.2	8.61	-78.08	-5.09	-6.45	-10.76	34.52
44	6	41.91	0.04	5.48e-03	-14.50	0.0	26.52	-13.23	0.35	20.38	-0.46	41.91
		0.19	-0.46	-3.11e-05	0.0	143.2	26.52	-27.72	0.35	20.38	0.04	0.19
44	14	32.51	0.02	4.02e-03	-14.50	0.0	5.77	-9.30	0.33	13.89	-0.45	32.51
		-0.14	-0.45	-3.36e-04	0.0	143.2	5.77	-23.80	0.33	13.89	0.02	-0.14
44	15	27.31	-2.40e-03	3.38e-03	-10.74	0.0	40.54	-12.47	0.43	-5.11	-0.61	27.31
		-1.36	-0.61	-2.67e-04	0.0	143.2	40.54	-23.20	0.43	-5.11	-2.40e-03	-1.36
44	18	29.69	0.03	3.85e-03	-10.74	0.0	8.58	-9.29	0.28	14.25	-0.37	29.69
		8.45e-03	-0.37	-2.31e-04	0.0	143.2	8.58	-20.03	0.28	14.25	0.03	8.45e-03
44	19	29.82	0.03	3.85e-03	-10.74	0.0	18.57	-9.26	0.25	14.27	-0.33	29.82
		0.15	-0.33	-2.18e-05	0.0	143.2	18.57	-20.00	0.25	14.27	0.03	0.15
44	20	18.76	0.01	1.97e-03	-10.74	0.0	8.86	-4.40	0.14	6.85	-0.19	18.76
		0.18	-0.19	-1.12e-05	0.0	143.2	8.86	-15.14	0.14	6.85	0.01	0.18
44	22	29.69	0.03	3.85e-03	-10.74	0.0	8.58	-9.29	0.28	14.25	-0.37	29.69
		8.45e-03	-0.37	-2.31e-04	0.0	143.2	8.58	-20.03	0.28	14.25	0.03	8.45e-03
44	25	32.64	1.94	4.02e-03	-14.50	0.0	14.65	-9.21	6.35	13.93	-0.45	32.64
		0.06	-0.45	-9.75e-06	-12.03	143.2	14.75	-23.71	-5.68	13.93	0.02	0.06
44	27	29.82	0.03	3.85e-03	-10.74	0.0	18.57	-9.26	0.25	14.27	-0.33	29.82
		0.15	-0.33	-2.18e-05	0.0	143.2	18.57	-20.00	0.25	14.27	0.03	0.15
44	28	41.91	0.04	5.48e-03	-14.50	0.0	26.52	-13.23	0.35	20.38	-0.46	41.91
		0.19	-0.46	-3.11e-05	0.0	143.2	26.52	-27.72	0.35	20.38	0.04	0.19
44	29	29.82	0.03	3.85e-03	-10.74	0.0	18.57	-9.26	0.25	14.27	-0.33	29.82
		0.15	-0.33	-2.18e-05	0.0	143.2	18.57	-20.00	0.25	14.27	0.03	0.15
44	32	41.57	0.16	4.96e-03	-10.74	0.0	44.65	-16.73	10.12	23.88	-9.81	41.57
		-0.16	-9.81	1.49e-03	-6.41	143.2	44.71	-27.47	3.71	23.88	0.16	-0.16
44	46	32.76	0.08	4.99e-03	-10.74	0.0	111.45	-11.78	11.23	34.87	-11.51	32.76
		-1.88	-11.51	-1.73e-03	-6.41	143.2	111.50	-22.51	4.82	34.87	0.08	-1.88
44	49	79.49	-0.02	5.47e-03	-10.74	0.0	-4.32	-37.94	9.08	12.95	-8.33	79.49
		7.39	-8.33	1.25e-03	-6.41	143.2	-4.27	-48.68	2.67	12.95	-0.02	7.39
44	51	84.23	-0.03	5.60e-03	-10.74	0.0	9.26	-40.52	9.30	15.63	-8.65	84.23
		8.45	-8.65	4.61e-04	-6.41	143.2	9.31	-51.25	2.89	15.63	-0.03	8.45
44	52	28.03	0.09	4.86e-03	-10.74	0.0	97.87	-9.20	11.01	32.19	-11.19	28.03
		-2.93	-11.19	-9.44e-04	-6.41	143.2	97.92	-19.94	4.60	32.19	0.09	-2.93
44	64	46.62	0.11	5.06e-03	-10.74	0.0	48.88	-19.55	10.15	23.85	-9.87	46.62
		0.84	-9.87	7.45e-04	-6.41	143.2	48.93	-30.29	3.73	23.85	0.11	0.84
44	78	41.18	0.07	5.07e-03	-10.74	0.0	90.00	-16.49	10.84	30.97	-10.92	41.18
		-0.21	-10.92	-1.18e-03	-6.41	143.2	90.05	-27.23	4.42	30.97	0.07	-0.21
44	81	71.08	-7.27e-03	5.39e-03	-10.74	0.0	17.13	-33.23	9.48	16.86	-8.92	71.08
		5.73	-8.92	6.99e-04	-6.41	143.2	17.18	-43.97	3.06	16.86	-7.27e-03	5.73
44	83	74.16	-0.01	5.47e-03	-10.74	0.0	25.39	-34.91	9.61	18.57	-9.11	74.16
		6.41	-9.11	2.34e-04	-6.41	143.2	25.44	-45.64	3.20	18.57	-0.01	6.41
44	84	38.09	0.07	4.99e-03	-10.74	0.0	81.74	-14.81	10.71	29.26	-10.73	38.09
		-0.90	-10.73	-7.16e-04	-6.41	143.2	81.80	-25.55	4.29	29.26	0.07	-0.90
45	7	277.47	0.0	-2.16e-03	-14.89	0.0	18.29	193.78	-0.03	-0.58	0.0	0.0
		0.0	-0.04	6.28e-06	0.0	148.9	18.29	178.89	-0.03	-0.58	-0.04	277.47
45	12	619.86	0.0	-5.35e-03	-14.89	0.0	37.72	423.71	-0.08	0.32	0.0	0.0
		0.0	-0.11	1.35e-05	0.0	148.9	37.72	408.82	-0.08	0.32	-0.11	619.86
45	14	852.34	0.26	-4.71e-03	-20.10	0.0	149.20	582.45	0.26	3.48	0.0	0.0
		0.0	0.0	-3.17e-04	-0.17	148.9	127.76	562.34	0.09	3.48	0.26	852.34
45	15	326.90	0.0	-2.58e-03	-14.89	0.0	27.44	226.97	-0.78	13.11	0.0	0.0
		0.0	-1.17	-2.02e-04	0.0	148.9	27.44	212.08	-0.78	13.11	-1.17	326.90
45	18	506.95	0.0	-4.29e-03	-14.89	0.0	97.20	347.89	-0.03	0.03	0.0	0.0
		0.0	-0.13	-2.05e-04	-0.11	148.9	82.91	333.00	-0.15	0.03	-0.13	506.95
45	19	505.73	0.0	-4.29e-03	-14.89	0.0	31.24	347.07	-0.06	0.02	0.0	0.0
		0.0	-0.09	1.11e-05	0.0	148.9	31.24	332.18	-0.06	0.02	-0.09	505.73
45	20	277.47	0.0	-2.16e-03	-14.89	0.0	18.29	193.78	-0.03	-0.58	0.0	0.0
		0.0	-0.04	6.28e-06	0.0	148.9	18.29	178.89	-0.03	-0.58	-0.04	277.47
45	21	594.76	0.21	-3.35e-03	-14.89	0.0	35.34	406.86	0.14	2.25	0.0	0.0
		0.0	0.0	5.86e-06	0.0	148.9	35.34	391.97	0.14	2.25	0.21	594.76
45	22	506.95	0.0	-4.29e-03	-14.89	0.0	97.20	347.89	-0.03	0.03	0.0	0.0
		0.0	-0.13	-2.05e-04	-0.11	148.9	82.91	333.00	-0.15	0.03	-0.13	506.95
45	25	850.47	0.60	-4.70e-03	-20.10	0.0	50.89	581.19	0.40	3.49	0.0	0.0
		0.0	0.0	3.04e-06	0.0	148.9	50.89	561.09	0.40	3.49	0.60	850.47
45	27	505.73	0.0	-4.29e-03	-14.89	0.0	31.24	347.07	-0.06	0.02	0.0	0.0
		0.0	-0.09	1.11e-05	0.0	148.9	31.24	332.18	-0.06	0.02	-0.09	505.73
45	28	716.97	0.0	-6.11e-03	-20.10	0.0	44.12	491.54	-0.08	0.12	0.0	0.0
		0.0	-0.13	1.57e-05	0.0	148.9	44.12	471.44	-0.08	0.12	-0.13	716.97
45	29	505.73	0.0	-4.29e-03	-14.89	0.0	31.24	347.07	-0.06	0.02	0.0	0.0
		0.0	-0.09	1.11e-05	0.0	148.9	31.24	332.18	-0.06	0.02	-0.09	505.73
45	31	686.12	0.0	-4.55e-03	-14.89	0.0	69.36	468.21	-3.49	17.82	0.0	0.0
		0.0	-5.26	-2.01e-03	-0.09	148.9	57.93	453.32	-3.58	17.82	-5.26	686.12
45	32	678.38	0.84	-4.65e-03	-14.89	0.0	130.31	463.02	0.61	12.58	0.0	0.0
		0.0	0.0	1.73e-03	-0.09	148.9	118.88	448.13	0.52	12.58	0.84	678.38

45	51	676.38	0.0	-4.57e-03	-14.89	0.0	45.23	461.68	-2.22	15.33	0.0	0.0
		0.0	-3.38	6.19e-04	-0.09	148.9	33.79	446.78	-2.31	15.33	-3.38	676.38
45	54	693.34	0.0	-4.60e-03	-14.89	0.0	147.93	473.06	-1.73	16.60	0.0	0.0
		0.0	-2.64	-1.36e-03	-0.09	148.9	136.49	458.17	-1.82	16.60	-2.64	693.34
45	55	674.77	0.0	-4.57e-03	-14.89	0.0	42.76	460.59	-2.30	15.51	0.0	0.0
		0.0	-3.49	-1.99e-04	-0.09	148.9	31.32	445.70	-2.39	15.51	-3.49	674.77
45	56	689.74	0.0	-4.63e-03	-14.89	0.0	156.92	470.64	-0.58	14.89	0.0	0.0
		0.0	-0.93	-7.97e-05	-0.09	148.9	145.48	455.75	-0.67	14.89	-0.93	689.74
45	63	684.47	0.0	-4.57e-03	-14.89	0.0	80.08	467.10	-2.68	16.77	0.0	0.0
		0.0	-4.06	-1.26e-03	-0.09	148.9	68.65	452.21	-2.77	16.77	-4.06	684.47
45	64	680.04	0.0	-4.63e-03	-14.89	0.0	119.59	464.13	-0.20	13.63	0.0	0.0
		0.0	-0.36	9.77e-04	-0.09	148.9	108.15	449.24	-0.29	13.63	-0.36	680.04
45	83	678.54	0.0	-4.58e-03	-14.89	0.0	64.79	463.12	-1.94	15.28	0.0	0.0
		0.0	-2.95	3.09e-04	-0.09	148.9	53.35	448.23	-2.03	15.28	-2.95	678.54
45	86	689.28	0.0	-4.60e-03	-14.89	0.0	130.94	470.34	-1.60	16.05	0.0	0.0
		0.0	-2.45	-8.76e-04	-0.09	148.9	119.50	455.45	-1.69	16.05	-2.45	689.28
45	87	677.36	0.0	-4.58e-03	-14.89	0.0	62.85	462.33	-1.97	15.38	0.0	0.0
		0.0	-3.00	-1.72e-04	-0.09	148.9	51.41	447.44	-2.06	15.38	-3.00	677.36
45	88	687.15	0.0	-4.62e-03	-14.89	0.0	136.83	468.90	-0.91	15.02	0.0	0.0
		0.0	-1.42	-1.07e-04	-0.09	148.9	125.39	454.01	-1.00	15.02	-1.42	687.15
46	7	19.00	0.01	-1.99e-03	-10.84	0.0	34.22	15.25	-0.14	-6.92	0.01	0.12
		0.12	-0.19	1.13e-05	0.0	144.5	34.22	4.41	-0.14	-6.92	-0.19	19.00
46	13	42.63	0.04	-5.53e-03	-14.63	0.0	99.66	27.87	-0.22	-20.58	0.04	0.25
		0.25	-0.29	-2.87e-04	0.0	144.5	99.66	13.24	-0.22	-20.58	-0.29	42.63
46	14	50.72	0.03	-4.27e-03	-14.63	0.0	76.07	33.87	-0.23	-17.19	0.03	0.75
		0.75	-0.30	-2.93e-04	0.0	144.5	76.07	19.24	-0.23	-17.19	-0.30	50.72
46	15	31.85	-0.08	-3.54e-03	-10.84	0.0	67.15	26.82	-0.21	10.66	-0.08	-1.33
		-1.33	-0.39	-1.76e-04	0.0	144.5	67.15	15.98	-0.21	10.66	-0.39	31.85
46	18	30.32	0.03	-3.89e-03	-10.84	0.0	69.86	20.10	-0.16	-14.41	0.03	0.18
		0.18	-0.21	-1.90e-04	0.0	144.5	69.86	9.27	-0.16	-14.41	-0.21	30.32
46	19	30.17	0.03	-3.89e-03	-10.84	0.0	67.06	20.12	-0.21	-14.40	0.03	0.04
		0.04	-0.28	2.19e-05	0.0	144.5	67.06	9.29	-0.21	-14.40	-0.28	30.17
46	20	19.00	0.01	-1.99e-03	-10.84	0.0	34.22	15.25	-0.14	-6.92	0.01	0.12
		0.12	-0.19	1.13e-05	0.0	144.5	34.22	4.41	-0.14	-6.92	-0.19	19.00
46	21	35.56	0.02	-3.04e-03	-10.84	0.0	51.33	24.13	-0.22	-12.13	0.02	0.37
		0.37	-0.29	1.78e-05	0.0	144.5	51.33	13.29	-0.22	-12.13	-0.29	35.56
46	22	30.32	0.03	-3.89e-03	-10.84	0.0	69.86	20.10	-0.16	-14.41	0.03	0.18
		0.18	-0.21	-1.90e-04	0.0	144.5	69.86	9.27	-0.16	-14.41	-0.21	30.32
46	24	42.33	1.95	-5.53e-03	-14.63	0.0	94.55	27.85	5.69	-20.56	0.04	0.04
		0.04	-0.51	2.58e-05	-12.14	144.5	94.55	13.21	-6.45	-20.56	-0.51	42.33
46	25	50.42	1.94	-4.27e-03	-14.63	0.0	70.97	33.85	5.68	-17.17	0.03	0.54
		0.54	-0.53	1.97e-05	-12.14	144.5	71.06	19.22	-6.46	-17.17	-0.53	50.42
46	27	30.17	0.03	-3.89e-03	-10.84	0.0	67.06	20.12	-0.21	-14.40	0.03	0.04
		0.04	-0.28	2.19e-05	0.0	144.5	67.06	9.29	-0.21	-14.40	-0.28	30.17
46	28	42.40	0.04	-5.53e-03	-14.63	0.0	95.46	27.90	-0.30	-20.55	0.04	0.05
		0.05	-0.39	3.11e-05	0.0	144.5	95.46	13.27	-0.30	-20.55	-0.39	42.40
46	29	30.17	0.03	-3.89e-03	-10.84	0.0	67.06	20.12	-0.21	-14.40	0.03	0.04
		0.04	-0.28	2.19e-05	0.0	144.5	67.06	9.29	-0.21	-14.40	-0.28	30.17
46	31	76.14	0.32	-5.65e-03	-10.84	0.0	130.18	45.47	-5.17	-37.00	0.32	6.73
		6.73	-11.91	-1.93e-03	-6.47	144.5	130.23	34.63	-11.65	-37.00	-11.91	76.14
46	35	75.05	0.32	-5.65e-03	-10.84	0.0	133.24	44.87	-5.21	-37.74	0.32	6.52
		6.52	-11.96	-2.03e-03	-6.47	144.5	133.30	34.03	-11.68	-37.74	-11.96	75.05
46	54	95.82	0.06	-5.72e-03	-10.84	0.0	42.00	56.76	-3.16	-16.87	0.06	10.07
		10.07	-9.14	-1.32e-03	-6.47	144.5	42.05	45.92	-9.64	-16.87	-9.14	95.82
46	57	39.43	7.66e-03	-5.18e-03	-10.84	0.0	144.60	26.03	-4.41	-34.24	7.66e-03	-1.94
		-1.94	-11.10	1.08e-03	-6.47	144.5	144.66	15.19	-10.89	-34.24	-11.10	39.43
46	59	46.11	0.07	-5.33e-03	-10.84	0.0	158.23	29.47	-4.93	-37.31	0.07	-0.21
		-0.21	-11.80	2.98e-04	-6.47	144.5	158.28	18.64	-11.40	-37.31	-11.80	46.11
46	60	89.13	-3.05e-03	-5.57e-03	-10.84	0.0	28.38	53.32	-2.65	-13.80	-3.05e-03	8.35
		8.35	-8.44	-5.42e-04	-6.47	144.5	28.43	42.48	-9.12	-13.80	-8.44	89.13
46	63	72.46	0.22	-5.56e-03	-10.84	0.0	117.01	43.69	-4.65	-32.90	0.22	5.62
		5.62	-11.24	-1.21e-03	-6.47	144.5	117.06	32.85	-11.12	-32.90	-11.24	72.46
46	86	85.54	0.05	-5.62e-03	-10.84	0.0	59.99	51.17	-3.37	-19.88	0.05	7.87
		7.87	-9.47	-8.42e-04	-6.47	144.5	60.04	40.33	-9.84	-19.88	-9.47	85.54
46	87	54.91	0.12	-5.37e-03	-10.84	0.0	135.30	34.27	-4.63	-34.60	0.12	1.67
		1.67	-11.30	-1.48e-04	-6.47	144.5	135.35	23.43	-11.10	-34.60	-11.30	54.91
46	89	49.71	0.02	-5.28e-03	-10.84	0.0	126.62	31.62	-4.21	-31.23	0.02	0.27
		0.27	-10.77	5.99e-04	-6.47	144.5	126.67	20.79	-10.68	-31.23	-10.77	49.71
46	91	53.74	0.06	-5.37e-03	-10.84	0.0	135.35	33.70	-4.53	-33.20	0.06	1.31
		1.31	-11.21	1.29e-04	-6.47	144.5	135.40	22.86	-11.01	-33.20	-11.21	53.74
46	92	81.50	6.32e-03	-5.52e-03	-10.84	0.0	51.26	49.09	-3.05	-17.91	6.32e-03	6.83
		6.83	-9.03	-3.73e-04	-6.47	144.5	51.31	38.25	-9.52	-17.91	-9.03	81.50
47	7	58.33	-0.16	-1.84e-03	-10.84	0.0	0.34	31.36	0.01	-2.75	-0.16	18.77
		18.77	-0.18	6.36e-06	0.0	144.5	0.34	20.52	0.01	-2.75	-0.16	58.33
47	13	151.15	-0.26	-5.19e-03	-14.63	0.0	20.59	78.36	-0.11	-10.40	-0.26	42.09
		42.09	-0.41	-2.97e-04	0.0	144.5	20.59	63.73	-0.11	-10.40	-0.41	151.15
47	15	99.67	-0.41	-3.32e-03	-10.84	0.0	31.99	58.61	0.38	43.50	-0.96	28.48

		28.48	-0.96	-1.85e-04	0.0	144.5	31.99	47.77	0.38	43.50	-0.41	99.67
47	18	106.60	-0.19	-3.65e-03	-10.84	0.0	13.76	55.38	-0.07	-7.21	-0.19	29.94
		29.94	-0.29	-1.97e-04	0.0	144.5	13.76	44.54	-0.07	-7.21	-0.29	106.60
47	19	106.49	-0.26	-3.65e-03	-10.84	0.0	2.38	55.37	-0.07	-7.19	-0.26	29.87
		29.87	-0.36	1.28e-05	0.0	144.5	2.38	44.54	-0.07	-7.19	-0.36	106.49
47	20	58.33	-0.16	-1.84e-03	-10.84	0.0	0.34	31.36	0.01	-2.75	-0.18	18.77
		18.77	-0.18	6.36e-06	0.0	144.5	0.34	20.52	0.01	-2.75	-0.18	58.33
47	21	96.05	-0.28	-2.78e-03	-10.84	0.0	-2.69	45.02	-0.04	-4.55	-0.28	35.59
		35.59	-0.33	9.67e-06	0.0	144.5	-2.69	34.18	-0.04	-4.55	-0.33	96.05
47	22	106.60	-0.19	-3.65e-03	-10.84	0.0	13.76	55.38	-0.07	-7.21	-0.19	29.94
		29.94	-0.29	-1.97e-04	0.0	144.5	13.76	44.54	-0.07	-7.21	-0.29	106.60
47	25	135.33	1.64	-3.89e-03	-14.63	0.0	-10.97	62.89	6.00	-6.39	-0.51	50.49
		50.49	-0.60	1.06e-05	-12.14	144.5	-10.88	48.26	-6.14	-6.39	-0.60	135.33
47	27	106.49	-0.26	-3.65e-03	-10.84	0.0	2.38	55.37	-0.07	-7.19	-0.26	29.87
		29.87	-0.36	1.28e-05	0.0	144.5	2.38	44.54	-0.07	-7.19	-0.36	106.49
47	28	150.99	-0.36	-5.19e-03	-14.63	0.0	3.52	78.36	-0.11	-10.37	-0.36	42.00
		42.00	-0.52	1.83e-05	0.0	144.5	3.52	63.73	-0.11	-10.37	-0.52	150.99
47	29	106.49	-0.26	-3.65e-03	-10.84	0.0	2.38	55.37	-0.07	-7.19	-0.26	29.87
		29.87	-0.36	1.28e-05	0.0	144.5	2.38	44.54	-0.07	-7.19	-0.36	106.49
47	34	176.98	-9.37	-5.16e-03	-10.84	0.0	106.43	71.73	3.55	13.13	-10.88	87.97
		87.97	-10.88	-2.36e-03	-6.47	144.5	106.48	60.89	-2.93	13.13	-10.24	176.98
47	35	173.98	-9.57	-5.14e-03	-10.84	0.0	121.11	80.14	4.21	12.07	-11.73	72.99
		72.99	-11.73	-2.08e-03	-6.47	144.5	121.16	69.31	-2.26	12.07	-10.05	173.98
47	36	152.36	-6.34	-4.81e-03	-10.84	0.0	-15.91	64.26	4.56	4.89	-8.48	58.47
		58.47	-8.48	1.81e-03	-6.47	144.5	-15.86	53.42	-1.91	4.89	-6.84	152.36
47	55	161.86	-8.54	-4.99e-03	-10.84	0.0	95.41	87.34	5.34	7.95	-11.89	45.18
		45.18	-11.89	-2.91e-04	-6.47	144.5	95.46	76.50	-1.14	7.95	-8.64	161.86
47	57	154.47	-7.55	-4.88e-03	-10.84	0.0	58.71	85.10	5.64	5.48	-11.17	36.33
		36.33	-11.17	9.60e-04	-6.47	144.5	58.76	74.26	-0.83	5.48	-7.62	154.47
47	66	171.49	-8.82	-5.09e-03	-10.84	0.0	84.90	71.90	3.86	11.76	-10.57	79.34
		79.34	-10.57	-1.46e-03	-6.47	144.5	84.95	61.06	-2.61	11.76	-9.53	171.49
47	68	156.74	-6.97	-4.88e-03	-10.84	0.0	10.64	67.07	4.48	5.92	-9.08	61.76
		61.76	-9.08	1.03e-03	-6.47	144.5	10.69	56.23	-1.99	5.92	-7.48	156.74
47	75	168.27	-8.73	-5.09e-03	-10.84	0.0	96.05	76.38	4.49	12.38	-11.03	65.34
		65.34	-11.03	-3.77e-04	-6.47	144.5	96.10	65.54	-1.98	12.38	-9.15	168.27
47	76	158.08	-7.18	-4.86e-03	-10.84	0.0	9.15	68.03	4.28	4.58	-9.18	66.12
		66.12	-9.18	1.08e-04	-6.47	144.5	9.20	57.19	-2.20	4.58	-7.74	158.08
47	87	162.24	-8.35	-4.98e-03	-10.84	0.0	79.85	81.99	5.00	8.15	-11.26	52.31
		52.31	-11.26	-2.36e-04	-6.47	144.5	79.91	71.15	-1.47	8.15	-8.56	162.24
47	89	157.81	-7.77	-4.92e-03	-10.84	0.0	57.58	80.54	5.19	6.40	-10.81	47.03
		47.03	-10.81	5.12e-04	-6.47	144.5	57.63	69.70	-1.28	6.40	-7.94	157.81
48	3	615.24	0.0	5.19e-03	-19.38	0.0	31.42	-418.79	0.83	0.0	-1.20	615.24
		0.0	-1.20	-1.92e-05	0.0	143.6	31.42	-438.17	0.83	0.0	0.0	0.0
48	5	520.96	0.0	4.21e-03	-19.38	0.0	32.70	-353.13	0.56	0.0	-0.80	520.96
		0.0	-0.80	-1.30e-05	0.0	143.6	32.70	-372.52	0.56	0.0	0.0	0.0
48	14	519.01	0.0	4.21e-03	-19.38	0.0	-46.11	-351.77	0.39	0.0	-0.45	519.01
		0.0	-0.45	-3.24e-04	-0.16	143.6	-66.79	-371.16	0.23	0.0	0.0	0.0
48	15	287.74	0.07	2.10e-03	-14.36	0.0	34.23	-193.21	-0.05	0.0	0.07	287.74
		0.0	0.0	-2.49e-04	0.0	143.6	34.23	-207.57	-0.05	0.0	0.0	0.0
48	18	498.59	0.0	4.16e-03	-14.36	0.0	-23.15	-340.07	0.39	0.0	-0.48	498.59
		0.0	-0.48	-2.20e-04	-0.11	143.6	-36.93	-354.42	0.28	0.0	0.0	0.0
48	19	499.89	0.0	4.16e-03	-14.36	0.0	29.40	-340.97	0.50	0.0	-0.72	499.89
		0.0	-0.72	-1.27e-05	0.0	143.6	29.40	-355.33	0.50	0.0	0.0	0.0
48	20	285.86	0.0	2.13e-03	-14.36	0.0	15.83	-191.91	0.45	0.0	-0.65	285.86
		0.0	-0.65	-8.62e-06	0.0	143.6	15.83	-206.27	0.45	0.0	0.0	0.0
48	21	375.89	0.0	3.02e-03	-14.36	0.0	23.38	-254.61	0.42	0.0	-0.60	375.89
		0.0	-0.60	-9.52e-06	0.0	143.6	23.38	-268.97	0.42	0.0	0.0	0.0
48	22	498.59	0.0	4.16e-03	-14.36	0.0	-23.15	-340.07	0.39	0.0	-0.48	498.59
		0.0	-0.48	-2.20e-04	-0.11	143.6	-36.93	-354.42	0.28	0.0	0.0	0.0
48	24	706.98	0.0	5.92e-03	-19.38	0.0	44.21	-482.68	0.44	0.0	-0.63	706.98
		0.0	-0.63	-5.69e-06	0.0	143.6	44.21	-502.07	0.44	0.0	0.0	0.0
48	27	499.89	0.0	4.16e-03	-14.36	0.0	29.40	-340.97	0.50	0.0	-0.72	499.89
		0.0	-0.72	-1.27e-05	0.0	143.6	29.40	-355.33	0.50	0.0	0.0	0.0
48	28	706.96	0.0	5.92e-03	-19.38	0.0	41.72	-482.67	0.68	0.0	-0.98	706.96
		0.0	-0.98	-1.78e-05	0.0	143.6	41.72	-502.06	0.68	0.0	0.0	0.0
48	29	499.89	0.0	4.16e-03	-14.36	0.0	29.40	-340.97	0.50	0.0	-0.72	499.89
		0.0	-0.72	-1.27e-05	0.0	143.6	29.40	-355.33	0.50	0.0	0.0	0.0
48	39	453.66	0.0	3.69e-03	-14.36	0.0	-7.42	-308.77	2.20	0.0	-3.09	453.66
		0.0	-3.09	-5.85e-04	-0.09	143.6	-18.45	-323.13	2.11	0.0	0.0	0.0
48	40	470.45	0.64	3.97e-03	-14.36	0.0	4.18	-320.47	-0.40	0.0	0.64	470.45
		0.0	0.0	1.32e-04	-0.09	143.6	-6.84	-334.82	-0.49	0.0	0.0	0.0
48	41	472.27	0.04	3.95e-03	-14.36	0.0	37.70	-321.73	0.02	0.0	0.03	472.27
		0.0	0.0	6.63e-04	-0.09	143.6	26.67	-336.09	-0.07	0.0	0.0	0.0
48	58	456.80	0.0	3.82e-03	-14.36	0.0	-68.63	-310.96	0.61	0.0	-0.81	456.80
		0.0	-0.81	-1.04e-03	-0.09	143.6	-79.65	-325.32	0.52	0.0	0.0	0.0
48	61	467.31	0.0	3.84e-03	-14.36	0.0	65.39	-318.28	1.19	0.0	-1.64	467.31
		0.0	-1.64	5.90e-04	-0.09	143.6	54.36	-332.64	1.10	0.0	0.0	0.0

48	71	456.76	0.0	3.74e-03	-14.36	0.0	-4.98	-310.93	1.73	0.0	-2.42	456.76
		0.0	-2.42	-4.39e-04	-0.09	143.6	-16.01	-325.29	1.64	0.0	0.0	0.0
48	72	467.35	2.20e-03	3.92e-03	-14.36	0.0	1.74	-318.30	0.07	0.0	-0.04	467.35
		0.0	-0.04	-1.39e-05	-0.09	143.6	-9.29	-332.66	-0.02	0.0	0.0	0.0
48	73	468.49	0.0	3.91e-03	-14.36	0.0	23.07	-319.10	0.35	0.0	-0.43	468.49
		0.0	-0.43	3.39e-04	-0.09	143.6	12.04	-333.46	0.26	0.0	0.0	0.0
48	90	458.74	0.0	3.83e-03	-14.36	0.0	-44.65	-312.31	0.70	0.0	-0.95	458.74
		0.0	-0.95	-7.65e-04	-0.09	143.6	-55.68	-326.67	0.61	0.0	0.0	0.0
48	93	465.37	0.0	3.84e-03	-14.36	0.0	41.41	-316.93	1.09	0.0	-1.51	465.37
		0.0	-1.51	3.13e-04	-0.09	143.6	30.39	-331.29	1.01	0.0	0.0	0.0
49	3	1138.46	-0.14	4.68e-03	-19.38	0.0	109.28	-358.31	-0.74	2.70	-0.14	1138.46
		610.06	-1.20	-1.31e-05	0.0	143.6	109.28	-377.70	-0.74	2.70	-1.20	610.06
49	6	1305.02	-0.17	5.35e-03	-19.38	0.0	125.64	-410.37	-0.56	1.22	-0.17	1305.02
		701.87	-0.98	-1.27e-05	0.0	143.6	125.64	-429.76	-0.56	1.22	-0.98	701.87
49	7	504.57	-0.09	1.90e-03	-14.36	0.0	48.97	-146.71	-0.39	1.07	-0.09	504.57
		283.60	-0.65	-5.25e-06	0.0	143.6	48.97	-161.07	-0.39	1.07	-0.65	283.60
49	15	501.99	0.07	1.87e-03	-14.36	0.0	16.06	-140.27	0.71	-7.88	-0.95	501.99
		290.26	-0.95	-2.48e-04	0.0	143.6	16.06	-154.63	0.71	-7.88	0.07	290.26
49	18	919.26	-0.14	3.75e-03	-14.36	0.0	58.54	-288.67	-0.19	0.89	-0.14	919.26
		494.46	-0.48	-2.17e-04	-0.11	143.6	44.76	-303.03	-0.30	0.89	-0.48	494.46
49	19	920.47	-0.12	3.75e-03	-14.36	0.0	88.65	-288.25	-0.42	0.92	-0.12	920.47
		496.27	-0.72	-8.98e-06	0.0	143.6	88.65	-302.61	-0.42	0.92	-0.72	496.27
49	20	504.57	-0.09	1.90e-03	-14.36	0.0	48.97	-146.71	-0.39	1.07	-0.09	504.57
		283.60	-0.65	-5.25e-06	0.0	143.6	48.97	-161.07	-0.39	1.07	-0.65	283.60
49	21	673.53	-0.12	2.72e-03	-14.36	0.0	65.18	-201.90	-0.33	0.46	-0.12	673.53
		373.32	-0.60	-6.36e-06	0.0	143.6	65.18	-216.26	-0.33	0.46	-0.60	373.32
49	22	919.26	-0.14	3.75e-03	-14.36	0.0	58.54	-288.67	-0.19	0.89	-0.14	919.26
		494.46	-0.48	-2.17e-04	-0.11	143.6	44.76	-303.03	-0.30	0.89	-0.48	494.46
49	24	1304.82	0.02	5.34e-03	-19.38	0.0	134.45	-410.44	-0.45	1.20	0.02	1304.82
		701.57	-0.63	-2.56e-06	0.0	143.6	134.45	-429.82	-0.45	1.20	-0.63	701.57
49	27	920.47	-0.12	3.75e-03	-14.36	0.0	88.65	-288.25	-0.42	0.92	-0.12	920.47
		496.27	-0.72	-8.98e-06	0.0	143.6	88.65	-302.61	-0.42	0.92	-0.72	496.27
49	28	1305.02	-0.17	5.35e-03	-19.38	0.0	125.64	-410.37	-0.56	1.22	-0.17	1305.02
		701.87	-0.98	-1.27e-05	0.0	143.6	125.64	-429.76	-0.56	1.22	-0.98	701.87
49	29	920.47	-0.12	3.75e-03	-14.36	0.0	88.65	-288.25	-0.42	0.92	-0.12	920.47
		496.27	-0.72	-8.98e-06	0.0	143.6	88.65	-302.61	-0.42	0.92	-0.72	496.27
49	38	818.47	-2.49	3.35e-03	-14.36	0.0	-79.68	-250.85	0.19	-11.35	-2.77	818.47
		449.16	-2.77	-1.06e-03	-0.09	143.6	-90.71	-265.20	0.11	-11.35	-2.49	449.16
49	39	821.69	-2.65	3.33e-03	-14.36	0.0	-54.41	-249.97	-0.23	-12.03	-2.65	821.69
		451.27	-3.09	-6.06e-04	-0.09	143.6	-65.44	-264.33	-0.31	-12.03	-3.09	451.27
49	40	860.91	0.64	3.59e-03	-14.36	0.0	61.73	-261.14	1.16	-4.94	-1.02	860.91
		476.82	-1.02	1.70e-04	-0.09	143.6	50.71	-275.50	1.08	-4.94	0.64	476.82
49	41	864.13	0.03	3.57e-03	-14.36	0.0	87.01	-260.27	0.74	-5.62	-0.91	864.13
		478.93	-0.91	6.25e-04	-0.09	143.6	75.98	-274.63	0.66	-5.62	0.03	478.93
49	42	819.01	-2.53	3.34e-03	-14.36	0.0	-81.08	-250.73	0.18	-11.50	-2.75	819.01
		449.53	-2.75	-1.00e-03	-0.09	143.6	-92.11	-265.09	0.09	-11.50	-2.53	449.53
49	45	863.59	0.07	3.57e-03	-14.36	0.0	88.41	-260.39	0.76	-5.47	-0.92	863.59
		478.57	-0.92	5.64e-04	-0.09	143.6	77.38	-274.75	0.67	-5.47	0.07	478.57
49	70	826.88	-2.02	3.39e-03	-14.36	0.0	-48.67	-252.59	0.30	-10.29	-2.42	826.88
		454.63	-2.42	-7.57e-04	-0.09	143.6	-59.70	-266.95	0.21	-10.29	-2.02	454.63
49	72	853.66	-0.04	3.54e-03	-14.36	0.0	40.21	-259.08	0.91	-6.24	-1.33	853.66
		472.09	-1.33	1.06e-05	-0.09	143.6	29.19	-273.44	0.83	-6.24	-0.04	472.09
49	73	855.72	-0.43	3.53e-03	-14.36	0.0	56.00	-258.53	0.64	-6.68	-1.25	855.72
		473.46	-1.25	3.21e-04	-0.09	143.6	44.97	-272.89	0.56	-6.68	-0.43	473.46
49	74	827.22	-2.04	3.38e-03	-14.36	0.0	-49.73	-252.51	0.29	-10.38	-2.42	827.22
		454.87	-2.42	-7.16e-04	-0.09	143.6	-60.76	-266.87	0.20	-10.38	-2.04	454.87
49	77	855.38	-0.41	3.53e-03	-14.36	0.0	57.05	-258.60	0.65	-6.59	-1.26	855.38
		473.22	-1.26	2.80e-04	-0.09	143.6	46.03	-272.96	0.56	-6.59	-0.41	473.22
50	6	1795.96	-0.17	4.27e-03	-19.38	0.0	193.69	-334.74	0.10	0.80	-0.32	1795.96
		1301.41	-0.32	-1.02e-05	0.0	143.6	193.69	-354.12	0.10	0.80	-0.17	1301.41
50	7	658.85	-0.09	1.49e-03	-14.36	0.0	72.51	-101.26	0.12	0.35	-0.27	658.85
		503.16	-0.27	-3.66e-06	0.0	143.6	72.51	-115.61	0.12	0.35	-0.09	503.16
50	15	652.22	-0.74	1.45e-03	-14.36	0.0	10.53	-96.22	-0.15	-8.81	-0.74	652.22
		503.75	-0.95	-2.42e-04	0.0	143.6	10.53	-110.58	-0.15	-8.81	-0.95	503.75
50	19	1263.19	-0.12	2.99e-03	-14.36	0.0	136.38	-233.28	0.08	0.57	-0.24	1263.19
		917.92	-0.24	-7.16e-06	0.0	143.6	136.38	-247.64	0.08	0.57	-0.12	917.92
50	20	658.85	-0.09	1.49e-03	-14.36	0.0	72.51	-101.26	0.12	0.35	-0.27	658.85
		503.16	-0.27	-3.66e-06	0.0	143.6	72.51	-115.61	0.12	0.35	-0.09	503.16
50	21	896.20	-0.12	2.16e-03	-14.36	0.0	97.47	-149.13	0.12	-0.27	-0.30	896.20
		671.77	-0.30	-4.61e-06	0.0	143.6	97.47	-163.48	0.12	-0.27	-0.12	671.77
50	22	1262.15	-0.14	2.99e-03	-14.36	0.0	118.32	-233.39	0.14	0.56	-0.26	1262.15
		916.72	-0.26	-2.16e-04	-0.11	143.6	104.53	-247.75	0.03	0.56	-0.14	916.72
50	24	1795.60	0.02	4.27e-03	-19.38	0.0	207.18	-334.79	0.07	0.79	-0.08	1795.60
		1300.98	-0.08	-1.76e-06	0.0	143.6	207.18	-354.17	0.07	0.79	0.02	1300.98
50	27	1263.19	-0.12	2.99e-03	-14.36	0.0	136.38	-233.28	0.08	0.57	-0.24	1263.19
		917.92	-0.24	-7.16e-06	0.0	143.6	136.38	-247.64	0.08	0.57	-0.12	917.92
50	28	1795.96	-0.17	4.27e-03	-19.38	0.0	193.69	-334.74	0.10	0.80	-0.32	1795.96



		1301.41	-0.32	-1.02e-05	0.0	143.6	193.69	-354.12	0.10	0.80	-0.17	1301.41
50	29	1263.19	-0.12	2.99e-03	-14.36	0.0	136.38	-233.28	0.08	0.57	-0.24	1263.19
		917.92	-0.24	-7.16e-06	0.0	143.6	136.38	-247.64	0.08	0.57	-0.12	917.92
50	38	1113.03	-2.77	2.67e-03	-14.36	0.0	-102.55	-195.38	0.02	-10.98	-2.83	1113.03
		818.82	-2.83	-9.90e-04	-0.09	143.6	-113.58	-209.74	-0.06	-10.98	-2.77	818.82
50	40	1183.31	-0.08	2.87e-03	-14.36	0.0	123.40	-213.64	-0.68	-7.13	-0.08	1183.31
		862.90	-1.02	2.26e-04	-0.09	143.6	112.37	-228.00	-0.76	-7.13	-1.02	862.90
50	41	1177.74	0.11	2.85e-03	-14.36	0.0	145.68	-212.08	-0.60	-7.53	0.11	1177.74
		866.28	-0.91	5.79e-04	-0.09	143.6	134.66	-226.44	-0.69	-7.53	-0.91	866.28
50	42	1108.35	-2.75	2.66e-03	-14.36	0.0	-103.25	-195.16	0.03	-11.29	-2.80	1108.35
		819.38	-2.80	-9.49e-04	-0.09	143.6	-114.28	-209.51	-0.06	-11.29	-2.75	819.38
50	45	1182.42	0.07	2.86e-03	-14.36	0.0	146.39	-212.31	-0.61	-7.23	0.07	1182.42
		865.71	-0.92	5.38e-04	-0.09	143.6	135.36	-226.66	-0.70	-7.23	-0.92	865.71
50	70	1125.01	-2.29	2.70e-03	-14.36	0.0	-56.42	-198.48	-0.09	-10.34	-2.29	1125.01
		827.55	-2.42	-7.11e-04	-0.09	143.6	-67.44	-212.83	-0.18	-10.34	-2.42	827.55
50	72	1169.37	-0.55	2.83e-03	-14.36	0.0	85.87	-210.00	-0.54	-7.91	-0.55	1169.37
		855.37	-1.33	4.72e-05	-0.09	143.6	74.84	-224.36	-0.62	-7.91	-1.33	855.37
50	73	1165.77	-0.43	2.82e-03	-14.36	0.0	99.55	-208.99	-0.49	-8.17	-0.43	1165.77
		857.54	-1.25	2.99e-04	-0.09	143.6	88.52	-223.34	-0.57	-8.17	-1.25	857.54
50	74	1121.98	-2.27	2.70e-03	-14.36	0.0	-57.02	-198.33	-0.09	-10.54	-2.27	1121.98
		827.91	-2.41	-6.81e-04	-0.09	143.6	-68.05	-212.69	-0.18	-10.54	-2.41	827.91
50	77	1168.79	-0.45	2.82e-03	-14.36	0.0	100.16	-209.13	-0.49	-7.97	-0.45	1168.79
		857.18	-1.26	2.70e-04	-0.09	143.6	89.13	-223.49	-0.58	-7.97	-1.26	857.18
67	6	2172.87	-0.32	2.78e-03	-19.38	0.0	245.39	-253.51	0.51	-0.21	-1.05	2172.87
		1794.94	-1.05	-7.05e-06	0.0	143.6	245.39	-272.90	0.51	-0.21	-0.32	1794.94
67	15	729.39	-0.74	9.15e-04	-14.36	0.0	1.73	-46.05	0.40	-8.26	-1.32	729.39
		652.95	-1.32	-2.35e-04	0.0	143.6	1.73	-60.41	0.40	-8.26	-0.74	652.95
67	18	1522.85	-0.26	1.95e-03	-14.36	0.0	164.12	-174.77	0.42	-0.21	-0.77	1522.85
		1261.60	-0.77	-2.14e-04	-0.11	143.6	150.33	-189.12	0.31	-0.21	-0.26	1261.60
67	19	1523.50	-0.24	1.95e-03	-14.36	0.0	172.31	-174.64	0.35	-0.21	-0.74	1523.50
		1262.44	-0.74	-4.87e-06	0.0	143.6	172.31	-189.00	0.35	-0.21	-0.24	1262.44
67	20	749.26	-0.27	9.43e-04	-14.36	0.0	87.24	-56.33	0.09	-0.72	-0.40	749.26
		658.07	-0.40	-1.71e-06	0.0	143.6	87.24	-70.69	0.09	-0.72	-0.27	658.07
67	21	1043.96	-0.30	1.42e-03	-14.36	0.0	119.65	-96.56	0.05	-1.37	-0.36	1043.96
		895.01	-0.36	-2.50e-06	0.0	143.6	119.65	-110.92	0.05	-1.37	-0.30	895.01
67	22	1522.85	-0.26	1.95e-03	-14.36	0.0	164.12	-174.77	0.42	-0.21	-0.77	1522.85
		1261.60	-0.77	-2.14e-04	-0.11	143.6	150.33	-189.12	0.31	-0.21	-0.26	1261.60
67	24	2172.40	-0.08	2.78e-03	-19.38	0.0	262.13	-253.55	0.55	-0.22	-0.86	2172.40
		1794.42	-0.86	0.0	0.0	143.6	262.13	-272.93	0.55	-0.22	-0.08	1794.42
67	27	1523.50	-0.24	1.95e-03	-14.36	0.0	172.31	-174.64	0.35	-0.21	-0.74	1523.50
		1262.44	-0.74	-4.87e-06	0.0	143.6	172.31	-189.00	0.35	-0.21	-0.24	1262.44
67	28	2172.87	-0.32	2.78e-03	-19.38	0.0	245.39	-253.51	0.51	-0.21	-1.05	2172.87
		1794.94	-1.05	-7.05e-06	0.0	143.6	245.39	-272.90	0.51	-0.21	-0.32	1794.94
67	29	1523.50	-0.24	1.95e-03	-14.36	0.0	172.31	-174.64	0.35	-0.21	-0.74	1523.50
		1262.44	-0.74	-4.87e-06	0.0	143.6	172.31	-189.00	0.35	-0.21	-0.24	1262.44
67	38	1312.51	-2.83	1.75e-03	-14.36	0.0	-121.21	-131.68	1.06	-9.26	-4.38	1312.51
		1107.51	-4.38	-9.05e-04	-0.09	143.6	-132.24	-146.04	0.97	-9.26	-2.83	1107.51
67	40	1418.37	-0.08	1.89e-03	-14.36	0.0	176.18	-155.45	0.12	-7.68	-0.29	1418.37
		1179.24	-0.29	2.91e-04	-0.09	143.6	165.16	-169.81	0.03	-7.68	-0.08	1179.24
67	41	1409.59	0.11	1.88e-03	-14.36	0.0	198.17	-153.21	0.19	-7.82	-4.14e-03	1409.59
		1184.91	-4.14e-03	5.17e-04	-0.09	143.6	187.14	-167.57	0.10	-7.82	0.11	1184.91
67	70	1330.50	-2.29	1.77e-03	-14.36	0.0	-61.98	-135.67	0.90	-8.99	-3.58	1330.50
		1121.74	-3.58	-6.56e-04	-0.09	143.6	-73.01	-150.03	0.81	-8.99	-2.29	1121.74
67	72	1397.32	-0.55	1.86e-03	-14.36	0.0	125.46	-150.69	0.31	-8.00	-1.00	1397.32
		1167.02	-1.00	8.95e-05	-0.09	143.6	114.43	-165.05	0.22	-8.00	-0.55	1167.02
67	73	1391.60	-0.43	1.85e-03	-14.36	0.0	138.94	-149.21	0.35	-8.09	-0.81	1391.60
		1170.68	-0.81	2.68e-04	-0.09	143.6	127.92	-163.57	0.26	-8.09	-0.43	1170.68
68	6	2381.55	0.05	9.79e-04	-19.38	0.0	276.58	-134.35	-0.77	-7.17	0.05	2381.55
		2174.72	-1.05	-1.43e-06	0.0	143.6	276.58	-153.74	-0.77	-7.17	-1.05	2174.72
68	15	734.31	-0.09	3.13e-04	-14.36	0.0	-8.45	4.85	-0.85	-7.97	-0.09	733.15
		729.79	-1.32	-2.28e-04	0.0	143.6	-8.45	-9.51	-0.85	-7.97	-1.32	729.79
68	18	1665.02	0.15	6.86e-04	-14.36	0.0	195.00	-90.85	-0.59	-5.02	0.15	1665.02
		1524.27	-0.77	-2.10e-04	-0.11	143.6	181.21	-105.21	-0.70	-5.02	-0.77	1524.27
68	19	1665.28	0.06	6.85e-04	-14.36	0.0	193.77	-90.72	-0.56	-5.02	0.06	1665.28
		1524.71	-0.74	0.0	0.0	143.6	193.77	-105.08	-0.56	-5.02	-0.74	1524.71
68	20	775.82	0.30	3.23e-04	-14.36	0.0	93.79	-11.53	-0.48	-2.44	0.30	775.82
		748.95	-0.40	0.0	0.0	143.6	93.79	-25.89	-0.48	-2.44	-0.40	748.95
68	21	1117.45	0.04	5.56e-04	-14.36	0.0	132.04	-44.45	-0.28	-3.42	0.04	1117.45
		1043.31	-0.36	0.0	0.0	143.6	132.04	-58.81	-0.28	-3.42	-0.36	1043.31
68	22	1665.02	0.15	6.86e-04	-14.36	0.0	195.00	-90.85	-0.59	-5.02	0.15	1665.02
		1524.27	-0.77	-2.10e-04	-0.11	143.6	181.21	-105.21	-0.70	-5.02	-0.77	1524.27
68	24	2381.03	0.48	9.78e-04	-19.38	0.0	295.12	-134.38	-0.93	-7.18	0.48	2381.03
		2174.17	-0.86	3.54e-06	0.0	143.6	295.12	-153.76	-0.93	-7.18	-0.86	2174.17
68	27	1665.28	0.06	6.85e-04	-14.36	0.0	193.77	-90.72	-0.56	-5.02	0.06	1665.28
		1524.71	-0.74	0.0	0.0	143.6	193.77	-105.08	-0.56	-5.02	-0.74	1524.71
68	28	2381.55	0.05	9.79e-04	-19.38	0.0	276.58	-134.35	-0.77	-7.17	0.05	2381.55
		2174.72	-1.05	-1.43e-06	0.0	143.6	276.58	-153.74	-0.77	-7.17	-1.05	2174.72

68	29	1665.28	0.06	6.85e-04	-14.36	0.0	193.77	-90.72	-0.56	-5.02	0.06	1665.28
		1524.71	-0.74	0.0	0.0	143.6	193.77	-105.08	-0.56	-5.02	-0.74	1524.71
68	38	1397.10	-2.60	6.60e-04	-14.36	0.0	-131.51	-51.61	-1.01	-11.76	-2.60	1397.10
		1312.72	-4.38	-8.04e-04	-0.09	143.6	-142.54	-65.97	-1.10	-11.76	-4.38	1312.72
68	39	1385.51	-3.25	6.55e-04	-14.36	0.0	-108.28	-49.68	-0.73	-11.96	-3.25	1385.51
		1303.83	-4.09	-7.24e-04	-0.09	143.6	-119.31	-64.04	-0.82	-11.96	-4.09	1303.83
68	40	1534.24	4.73	7.14e-04	-14.36	0.0	212.47	-71.53	-3.27	-9.61	4.73	1534.24
		1421.26	-0.29	3.60e-04	-0.09	143.6	201.44	-85.89	-3.35	-9.61	-0.29	1421.26
68	41	1522.65	4.08	7.09e-04	-14.36	0.0	235.70	-69.60	-2.98	-9.82	4.08	1522.65
		1412.37	-4.16e-03	4.40e-04	-0.09	143.6	224.68	-83.96	-3.07	-9.82	-4.16e-03	1412.37
68	70	1420.37	-1.36	6.69e-04	-14.36	0.0	-63.61	-54.95	-1.38	-11.40	-1.36	1420.37
		1331.18	-3.58	-5.90e-04	-0.09	143.6	-74.64	-69.31	-1.47	-11.40	-3.58	1331.18
68	71	1412.80	-1.79	6.66e-04	-14.36	0.0	-49.12	-53.68	-1.19	-11.53	-1.79	1412.80
		1325.40	-3.39	-4.99e-04	-0.09	143.6	-60.15	-68.04	-1.28	-11.53	-3.39	1325.40
68	72	1506.95	3.26	7.03e-04	-14.36	0.0	153.31	-67.53	-2.80	-10.04	3.26	1506.95
		1399.69	-1.00	1.35e-04	-0.09	143.6	142.28	-81.89	-2.89	-10.04	-1.00	1399.69
68	73	1499.38	2.84	7.00e-04	-14.36	0.0	167.81	-66.26	-2.62	-10.18	2.84	1499.38
		1393.91	-0.81	2.26e-04	-0.09	143.6	156.78	-80.62	-2.70	-10.18	-0.81	1393.91
69	6	2382.11	-0.06	-9.42e-04	-19.18	0.0	275.81	150.65	0.71	6.48	-1.07	2181.70
		2181.70	-1.07	1.27e-06	0.0	142.1	275.81	131.46	0.71	6.48	-0.06	2382.11
69	15	736.38	0.10	-2.96e-04	-14.21	0.0	-12.35	8.47	1.16	6.93	-1.54	732.80
		732.80	-1.54	-2.22e-04	0.0	142.1	-12.35	-5.74	1.16	6.93	0.10	734.75
69	18	1665.66	-0.13	-6.58e-04	-14.21	0.0	203.80	102.97	0.48	4.52	-0.74	1529.46
		1529.46	-0.74	-2.06e-04	-0.11	142.1	190.16	88.76	0.37	4.52	-0.13	1665.66
69	19	1665.69	-0.02	-6.59e-04	-14.21	0.0	193.21	103.08	0.52	4.52	-0.75	1529.33
		1529.33	-0.75	0.0	0.0	142.1	193.21	88.88	0.52	4.52	-0.02	1665.69
69	20	776.19	0.24	-3.14e-04	-14.21	0.0	93.37	26.54	0.44	2.03	-0.38	748.57
		748.57	-0.38	0.0	0.0	142.1	93.37	12.33	0.44	2.03	0.24	776.19
69	21	1118.98	-0.18	-3.65e-04	-14.21	0.0	135.12	21.60	0.04	2.52	-0.24	1098.38
		1098.38	-0.24	0.0	0.0	142.1	135.12	7.40	0.04	2.52	-0.18	1118.98
69	22	1665.66	-0.13	-6.58e-04	-14.21	0.0	203.80	102.97	0.48	4.52	-0.74	1529.46
		1529.46	-0.74	-2.06e-04	-0.11	142.1	190.16	88.76	0.37	4.52	-0.13	1665.66
69	24	2381.58	0.36	-9.41e-04	-19.18	0.0	294.45	150.66	0.87	6.48	-0.88	2181.15
		2181.15	-0.88	3.57e-06	0.0	142.1	294.45	131.48	0.87	6.48	0.36	2381.58
69	27	1665.69	-0.02	-6.59e-04	-14.21	0.0	193.21	103.08	0.52	4.52	-0.75	1529.33
		1529.33	-0.75	0.0	0.0	142.1	193.21	88.88	0.52	4.52	-0.02	1665.69
69	28	2382.11	-0.06	-9.42e-04	-19.18	0.0	275.81	150.65	0.71	6.48	-1.07	2181.70
		2181.70	-1.07	1.27e-06	0.0	142.1	275.81	131.46	0.71	6.48	-0.06	2382.11
69	29	1665.69	-0.02	-6.59e-04	-14.21	0.0	193.21	103.08	0.52	4.52	-0.75	1529.33
		1529.33	-0.75	0.0	0.0	142.1	193.21	88.88	0.52	4.52	-0.02	1665.69
69	38	1399.89	-3.43	-4.88e-04	-14.21	0.0	-126.41	31.44	0.61	10.28	-4.02	1363.31
		1363.31	-4.02	-5.05e-03	-0.09	142.1	-137.32	17.23	0.53	10.28	-3.43	1399.89
69	39	1388.57	-2.98	-4.84e-04	-14.21	0.0	-101.32	32.87	0.86	10.45	-4.37	1353.96
		1353.96	-4.37	3.59e-03	-0.09	142.1	-112.23	18.67	0.77	10.45	-2.98	1388.57
69	40	1536.42	3.46	-5.39e-04	-14.21	0.0	224.59	50.48	2.37	8.18	0.39	1472.79
		1472.79	0.39	-3.95e-03	-0.09	142.1	213.68	36.27	2.28	8.18	3.46	1536.42
69	41	1525.11	3.92	-5.36e-04	-14.21	0.0	249.69	51.91	2.61	8.35	0.04	1463.45
		1463.45	0.04	4.70e-03	-0.09	142.1	238.78	37.71	2.53	8.35	3.92	1525.11
69	70	1423.09	-2.07	-4.96e-04	-14.21	0.0	-57.12	35.21	0.98	9.92	-3.27	1381.87
		1381.87	-3.27	-3.25e-03	-0.09	142.1	-68.03	21.00	0.90	9.92	-2.07	1423.09
69	71	1415.72	-1.79	-4.94e-04	-14.21	0.0	-41.08	36.13	1.14	10.03	-3.49	1375.76
		1375.76	-3.49	2.20e-03	-0.09	142.1	-51.99	21.92	1.05	10.03	-1.79	1415.72
69	72	1509.27	2.28	-5.29e-04	-14.21	0.0	164.36	47.22	2.09	8.60	-0.48	1450.99
		1450.99	-0.48	-2.56e-03	-0.09	142.1	153.45	33.01	2.00	8.60	2.28	1509.27
69	73	1501.91	2.56	-5.27e-04	-14.21	0.0	180.40	48.14	2.24	8.71	-0.71	1444.88
		1444.88	-0.71	2.89e-03	-0.09	142.1	169.49	33.93	2.16	8.71	2.56	1501.91
70	7	748.91	-0.27	-9.21e-04	-14.21	0.0	86.08	70.57	-0.08	0.38	-0.27	658.74
		658.74	-0.38	1.75e-06	0.0	142.1	86.08	56.37	-0.08	0.38	-0.38	748.91
70	13	2180.52	-0.33	-2.71e-03	-19.18	0.0	272.89	272.80	-0.43	-0.56	-0.33	1806.55
		1806.55	-1.05	-3.03e-04	-0.16	142.1	252.43	253.62	-0.59	-0.56	-1.05	2180.52
70	15	732.76	-1.07	-8.89e-04	-14.21	0.0	-8.41	59.04	-0.33	7.50	-1.07	658.97
		658.97	-1.54	-2.13e-04	0.0	142.1	-8.41	44.83	-0.33	7.50	-1.54	732.76
70	18	1528.57	-0.25	-1.90e-03	-14.21	0.0	190.53	188.93	-0.29	-0.33	-0.25	1270.24
		1270.24	-0.74	-2.02e-04	-0.11	142.1	176.89	174.72	-0.40	-0.33	-0.74	1528.57
70	19	1528.22	-0.24	-1.90e-03	-14.21	0.0	170.81	189.04	-0.36	-0.33	-0.24	1269.73
		1269.73	-0.75	4.82e-06	0.0	142.1	170.81	174.83	-0.36	-0.33	-0.75	1528.22
70	20	748.91	-0.27	-9.21e-04	-14.21	0.0	86.08	70.57	-0.08	0.38	-0.27	658.74
		658.74	-0.38	1.75e-06	0.0	142.1	86.08	56.37	-0.08	0.38	-0.38	748.91
70	21	1098.98	-0.06	-1.25e-03	-14.21	0.0	128.37	74.82	-0.12	1.39	-0.06	1002.77
		1002.77	-0.24	2.23e-06	0.0	142.1	128.37	60.61	-0.12	1.39	-0.24	1098.98
70	22	1528.57	-0.25	-1.90e-03	-14.21	0.0	190.53	188.93	-0.29	-0.33	-0.25	1270.24
		1270.24	-0.74	-2.02e-04	-0.11	142.1	176.89	174.72	-0.40	-0.33	-0.74	1528.57
70	25	1535.65	0.19	-1.74e-03	-19.18	0.0	196.70	101.67	-0.21	2.04	0.19	1404.82
		1404.82	-0.11	3.65e-06	0.0	142.1	196.70	82.49	-0.21	2.04	-0.11	1535.65
70	27	1528.22	-0.24	-1.90e-03	-14.21	0.0	170.81	189.04	-0.36	-0.33	-0.24	1269.73
		1269.73	-0.75	4.82e-06	0.0	142.1	170.81	174.83	-0.36	-0.33	-0.75	1528.22
70	28	2179.99	-0.32	-2.71e-03	-19.18	0.0	243.31	272.97	-0.53	-0.56	-0.32	1805.78

		1805.78	-1.07	6.97e-06	0.0	142.1	243.31	253.79	-0.53	-0.56	-1.07	2179.99
70	29	1528.22	-0.24	-1.90e-03	-14.21	0.0	170.81	189.04	-0.36	-0.33	-0.24	1269.73
		1269.73	-0.75	4.82e-06	0.0	142.1	170.81	174.83	-0.36	-0.33	-0.75	1528.22
70	39	1354.70	-2.73	-1.58e-03	-14.21	0.0	-104.47	116.02	-1.11	8.75	-2.73	1202.35
		1202.35	-4.37	-5.96e-04	-0.09	142.1	-115.38	101.81	-1.20	8.75	-4.37	1354.70
70	40	1470.00	0.49	-1.73e-03	-14.21	0.0	236.69	137.70	-0.02	7.10	0.49	1282.05
		1282.05	0.39	2.62e-04	-0.09	142.1	225.78	123.49	-0.11	7.10	0.39	1470.00
70	71	1375.86	-2.14	-1.60e-03	-14.21	0.0	-41.80	120.03	-0.91	8.45	-2.14	1216.95
		1216.95	-3.49	-4.52e-04	-0.09	142.1	-52.71	105.82	-1.00	8.45	-3.49	1375.86
70	72	1448.84	-0.10	-1.70e-03	-14.21	0.0	174.01	133.69	-0.22	7.40	-0.10	1267.44
		1267.44	-0.48	1.18e-04	-0.09	142.1	163.10	119.48	-0.31	7.40	-0.48	1448.84
75	7	659.51	-0.09	-1.45e-03	-14.21	0.0	71.14	114.42	-0.13	-0.58	-0.09	507.04
		507.04	-0.27	3.64e-06	0.0	142.1	71.14	100.21	-0.13	-0.58	-0.27	659.51
75	13	1807.91	-0.18	-4.18e-03	-19.18	0.0	234.54	352.16	-0.02	-1.35	-0.18	1321.19
		1321.19	-0.33	-3.00e-04	-0.16	142.1	214.08	332.98	-0.18	-1.35	-0.33	1807.91
75	15	658.40	-1.07	-1.42e-03	-14.21	0.0	-2.14	108.90	0.11	8.50	-1.23	513.78
		513.78	-1.23	-2.05e-04	0.0	142.1	-2.14	94.69	0.11	8.50	-1.07	658.40
75	18	1271.23	-0.13	-2.93e-03	-14.21	0.0	163.47	246.22	-0.03	-0.96	-0.13	931.50
		931.50	-0.25	-2.00e-04	-0.11	142.1	149.83	232.01	-0.14	-0.96	-0.25	1271.23
75	19	1270.48	-0.13	-2.93e-03	-14.21	0.0	134.60	246.31	-0.08	-0.96	-0.13	930.61
		930.61	-0.24	7.09e-06	0.0	142.1	134.60	232.10	-0.08	-0.96	-0.24	1270.48
75	20	659.51	-0.09	-1.45e-03	-14.21	0.0	71.14	114.42	-0.13	-0.58	-0.09	507.04
		507.04	-0.27	3.64e-06	0.0	142.1	71.14	100.21	-0.13	-0.58	-0.27	659.51
75	21	1005.06	0.21	-2.07e-03	-14.21	0.0	111.54	133.59	-0.19	2.29	0.21	825.34
		825.34	-0.06	2.58e-06	0.0	142.1	111.54	119.39	-0.19	2.29	-0.06	1005.06
75	22	1271.23	-0.13	-2.93e-03	-14.21	0.0	163.47	246.22	-0.03	-0.96	-0.13	931.50
		931.50	-0.25	-2.00e-04	-0.11	142.1	149.83	232.01	-0.14	-0.96	-0.25	1271.23
75	25	1408.30	0.51	-2.88e-03	-19.18	0.0	170.62	183.27	-0.22	3.54	0.51	1161.53
		1161.53	0.19	2.22e-06	0.0	142.1	170.62	164.09	-0.22	3.54	0.19	1408.30
75	28	1806.79	-0.18	-4.18e-03	-19.18	0.0	191.23	352.30	-0.10	-1.36	-0.18	1319.87
		1319.87	-0.32	1.01e-05	0.0	142.1	191.23	333.12	-0.10	-1.36	-0.32	1806.79
75	29	1270.48	-0.13	-2.93e-03	-14.21	0.0	134.60	246.31	-0.08	-0.96	-0.13	930.61
		930.61	-0.24	7.09e-06	0.0	142.1	134.60	232.10	-0.08	-0.96	-0.24	1270.48
75	39	1203.66	-2.62	-2.55e-03	-14.21	0.0	-71.03	184.44	1.60e-03	12.54	-2.62	953.77
		953.77	-2.73	-5.12e-04	-0.09	142.1	-81.94	170.23	-0.08	12.54	-2.73	1203.66
75	40	1281.74	0.49	-2.77e-03	-14.21	0.0	206.21	202.31	0.60	8.75	-0.36	1002.33
		1002.33	-0.36	1.98e-04	-0.09	142.1	195.30	188.10	0.52	8.75	0.49	1281.74
75	63	1222.15	-2.05	-2.60e-03	-14.21	0.0	-10.25	189.01	0.18	11.77	-2.22	965.04
		965.04	-2.22	-1.29e-03	-0.09	142.1	-21.16	174.80	0.10	11.77	-2.05	1222.15
75	71	1217.98	-2.14	-2.59e-03	-14.21	0.0	-20.26	187.75	0.11	11.85	-2.20	962.66
		962.66	-2.20	-3.92e-04	-0.09	142.1	-31.17	173.54	0.03	11.85	-2.14	1217.98
75	72	1267.43	-0.10	-2.73e-03	-14.21	0.0	155.44	199.00	0.49	9.45	-0.77	993.44
		993.44	-0.77	7.78e-05	-0.09	142.1	144.53	184.79	0.41	9.45	-0.10	1267.43
76	7	508.40	-0.09	-1.86e-03	-14.21	0.0	48.02	158.38	0.44	-1.17	-0.72	293.47
		293.47	-0.72	5.27e-06	0.0	142.1	48.02	144.17	0.44	-1.17	-0.09	508.40
76	13	1324.92	-0.18	-5.25e-03	-19.18	0.0	195.29	425.25	1.04	-1.56	-1.47	734.35
		734.35	-1.47	-2.97e-04	-0.27	142.1	161.19	406.07	0.77	-1.56	-0.18	1324.92
76	14	1170.55	0.33	-3.82e-03	-19.18	0.0	187.63	291.94	2.77	3.55	-3.42	769.39
		769.39	-3.42	-3.04e-04	-0.27	142.1	153.53	272.76	2.50	3.55	0.33	1170.55
76	15	512.14	-0.30	-1.83e-03	-14.21	0.0	5.50	152.59	-0.65	8.07	-0.30	305.43
		305.43	-1.23	-1.97e-04	0.0	142.1	5.50	138.38	-0.65	8.07	-1.23	512.14
76	18	934.12	-0.13	-3.69e-03	-14.21	0.0	135.00	299.34	0.74	-1.16	-1.05	518.91
		518.91	-1.05	-1.97e-04	-0.18	142.1	112.26	285.13	0.56	-1.16	-0.13	934.12
76	19	933.12	-0.13	-3.69e-03	-14.21	0.0	87.54	299.76	0.49	-1.14	-0.82	517.31
		517.31	-0.82	9.02e-06	0.0	142.1	87.54	285.55	0.49	-1.14	-0.13	933.12
76	20	508.40	-0.09	-1.86e-03	-14.21	0.0	48.02	158.38	0.44	-1.17	-0.72	293.47
		293.47	-0.72	5.27e-06	0.0	142.1	48.02	144.17	0.44	-1.17	-0.09	508.40
76	21	830.21	0.21	-2.73e-03	-14.21	0.0	82.43	210.89	1.64	2.27	-2.12	540.67
		540.67	-2.12	4.22e-06	0.0	142.1	82.43	196.68	1.64	2.27	0.21	830.21
76	22	934.12	-0.13	-3.69e-03	-14.21	0.0	135.00	299.34	0.74	-1.16	-1.05	518.91
		518.91	-1.05	-1.97e-04	-0.18	142.1	112.26	285.13	0.56	-1.16	-0.13	934.12
76	25	1168.84	0.51	-3.82e-03	-19.18	0.0	125.87	292.65	2.18	3.61	-2.59	766.68
		766.68	-2.59	2.66e-06	0.0	142.1	125.87	273.47	2.18	3.61	0.51	1168.84
76	27	933.12	-0.13	-3.69e-03	-14.21	0.0	87.54	299.76	0.49	-1.14	-0.82	517.31
		517.31	-0.82	9.02e-06	0.0	142.1	87.54	285.55	0.49	-1.14	-0.13	933.12
76	28	1323.42	-0.18	-5.25e-03	-19.18	0.0	124.10	425.88	0.67	-1.53	-1.13	731.94
		731.94	-1.13	1.27e-05	0.0	142.1	124.10	406.70	0.67	-1.53	-0.18	1323.42
76	29	933.12	-0.13	-3.69e-03	-14.21	0.0	87.54	299.76	0.49	-1.14	-0.82	517.31
		517.31	-0.82	9.02e-06	0.0	142.1	87.54	285.55	0.49	-1.14	-0.13	933.12
76	30	963.61	-2.47	-3.36e-03	-14.21	0.0	6.62	260.21	4.02	13.35	-8.18	602.43
		602.43	-8.18	-2.42e-03	-0.14	142.1	-11.56	246.00	3.88	13.35	-2.47	963.61
76	33	995.70	1.89	-3.54e-03	-14.21	0.0	146.34	269.97	-1.54	8.29	1.89	623.78
		623.78	-0.50	2.13e-03	-0.14	142.1	128.16	255.76	-1.69	8.29	-0.50	995.70
76	39	956.05	-2.62	-3.32e-03	-14.21	0.0	-21.56	259.32	2.58	13.75	-6.06	599.14
		599.14	-6.06	-4.39e-04	-0.14	142.1	-39.74	245.11	2.43	13.75	-2.62	956.05
76	40	1003.26	-0.23	-3.58e-03	-14.21	0.0	174.52	270.86	-0.10	7.89	-0.23	627.07
		627.07	-0.36	1.49e-04	-0.14	142.1	156.34	256.65	-0.24	7.89	-0.36	1003.26

76	62	969.99	-2.08	-3.39e-03	-14.21	0.0	34.57	262.06	2.91	12.34	-6.18	606.69
		606.69	-6.18	-1.50e-03	-0.14	142.1	16.39	247.85	2.77	12.34	-2.08	969.99
76	65	989.32	-0.11	-3.51e-03	-14.21	0.0	118.39	268.12	-0.44	9.30	-0.11	619.52
		619.52	-0.90	1.21e-03	-0.14	142.1	100.21	253.91	-0.58	9.30	-0.90	989.32
76	71	964.69	-2.20	-3.37e-03	-14.21	0.0	14.18	261.47	2.08	12.67	-4.99	604.25
		604.25	-4.99	-3.38e-04	-0.14	142.1	-4.01	247.26	1.94	12.67	-2.20	964.69
76	72	994.62	-0.77	-3.53e-03	-14.21	0.0	138.79	268.71	0.39	8.97	-1.30	621.96
		621.96	-1.30	4.80e-05	-0.14	142.1	120.60	254.51	0.25	8.97	-0.77	994.62
77	3	580.83	0.0	5.07e-03	-19.37	0.0	35.80	-395.19	0.24	0.0	-0.35	580.83
		0.0	-0.35	-1.66e-05	0.0	143.5	35.80	-414.56	0.24	0.0	0.0	0.0
77	6	693.34	0.0	5.89e-03	-19.37	0.0	42.97	-473.61	0.07	0.0	-0.10	693.34
		0.0	-0.10	-1.50e-05	0.0	143.5	42.97	-492.98	0.07	0.0	0.0	0.0
77	7	268.47	0.0	2.08e-03	-14.35	0.0	17.82	-179.97	0.06	0.0	-0.08	268.47
		0.0	-0.08	-6.20e-06	0.0	143.5	17.82	-194.31	0.06	0.0	0.0	0.0
77	14	512.53	0.13	4.20e-03	-19.37	0.0	-45.29	-347.58	-0.01	0.0	0.13	512.53
		0.0	0.0	-3.21e-04	-0.16	143.5	-65.94	-366.95	-0.18	0.0	0.0	0.0
77	18	487.82	0.01	4.14e-03	-14.35	0.0	-22.11	-332.86	0.07	0.0	-0.02	487.82
		0.0	-0.02	-2.18e-04	-0.11	143.5	-35.88	-347.21	-0.04	0.0	0.0	0.0
77	19	489.07	0.0	4.14e-03	-14.35	0.0	30.43	-333.74	0.05	0.0	-0.08	489.07
		0.0	-0.08	-1.06e-05	0.0	143.5	30.43	-348.08	0.05	0.0	0.0	0.0
77	20	268.47	0.0	2.08e-03	-14.35	0.0	17.82	-179.97	0.06	0.0	-0.08	268.47
		0.0	-0.08	-6.20e-06	0.0	143.5	17.82	-194.31	0.06	0.0	0.0	0.0
77	21	369.79	0.02	3.01e-03	-14.35	0.0	24.13	-250.59	-0.02	0.0	0.02	369.79
		0.0	0.0	-6.92e-06	0.0	143.5	24.13	-264.94	-0.02	0.0	0.0	0.0
77	22	487.82	0.01	4.14e-03	-14.35	0.0	-22.11	-332.86	0.07	0.0	-0.02	487.82
		0.0	-0.02	-2.18e-04	-0.11	143.5	-35.88	-347.21	-0.04	0.0	0.0	0.0
77	24	693.31	0.19	5.89e-03	-19.37	0.0	44.05	-473.59	-0.13	0.0	0.19	693.31
		0.0	0.0	-3.09e-06	0.0	143.5	44.05	-492.96	-0.13	0.0	0.0	0.0
77	25	514.39	0.34	4.20e-03	-19.37	0.0	34.61	-348.88	-0.24	0.0	0.34	514.39
		0.0	0.0	2.47e-06	0.0	143.5	34.61	-368.24	-0.24	0.0	0.0	0.0
77	27	489.07	0.0	4.14e-03	-14.35	0.0	30.43	-333.74	0.05	0.0	-0.08	489.07
		0.0	-0.08	-1.06e-05	0.0	143.5	30.43	-348.08	0.05	0.0	0.0	0.0
77	28	693.34	0.0	5.89e-03	-19.37	0.0	42.97	-473.61	0.07	0.0	-0.10	693.34
		0.0	-0.10	-1.50e-05	0.0	143.5	42.97	-492.98	0.07	0.0	0.0	0.0
77	29	489.07	0.0	4.14e-03	-14.35	0.0	30.43	-333.74	0.05	0.0	-0.08	489.07
		0.0	-0.08	-1.06e-05	0.0	143.5	30.43	-348.08	0.05	0.0	0.0	0.0
77	38	484.29	0.0	4.18e-03	-14.35	0.0	-34.53	-330.41	1.00	0.0	-1.38	484.29
		0.0	-1.38	-1.11e-03	-0.09	143.5	-45.54	-344.75	0.92	0.0	0.0	0.0
77	45	479.78	0.0	4.27e-03	-14.35	0.0	22.61	-327.26	0.58	0.0	-0.77	479.78
		0.0	-0.77	5.84e-04	-0.09	143.5	11.60	-341.60	0.49	0.0	0.0	0.0
77	50	474.37	0.0	4.20e-03	-14.35	0.0	-66.38	-323.49	0.90	0.0	-1.22	474.37
		0.0	-1.22	-1.30e-03	-0.09	143.5	-77.40	-337.83	0.81	0.0	0.0	0.0
77	51	493.12	0.0	4.23e-03	-14.35	0.0	46.93	-336.56	0.80	0.0	-1.09	493.12
		0.0	-1.09	4.75e-04	-0.09	143.5	35.91	-350.91	0.72	0.0	0.0	0.0
77	54	475.61	0.0	4.23e-03	-14.35	0.0	-71.26	-324.35	0.84	0.0	-1.15	475.61
		0.0	-1.15	-1.45e-03	-0.09	143.5	-82.28	-338.70	0.76	0.0	0.0	0.0
77	57	489.00	0.0	4.22e-03	-14.35	0.0	58.50	-333.69	0.74	0.0	-1.00	489.00
		0.0	-1.00	1.00e-03	-0.09	143.5	47.49	-348.04	0.65	0.0	0.0	0.0
77	70	483.56	0.0	4.20e-03	-14.35	0.0	-24.08	-329.90	0.93	0.0	-1.26	483.56
		0.0	-1.26	-7.88e-04	-0.09	143.5	-35.10	-344.24	0.84	0.0	0.0	0.0
77	77	480.72	0.0	4.26e-03	-14.35	0.0	11.99	-327.91	0.66	0.0	-0.88	480.72
		0.0	-0.88	2.88e-04	-0.09	143.5	0.98	-342.26	0.57	0.0	0.0	0.0
77	82	477.19	0.0	4.21e-03	-14.35	0.0	-44.57	-325.45	0.86	0.0	-1.17	477.19
		0.0	-1.17	-9.30e-04	-0.09	143.5	-55.59	-339.80	0.77	0.0	0.0	0.0
77	83	489.26	0.0	4.23e-03	-14.35	0.0	27.69	-333.87	0.80	0.0	-1.08	489.26
		0.0	-1.08	2.48e-04	-0.09	143.5	16.68	-348.21	0.71	0.0	0.0	0.0
77	86	477.96	0.0	4.23e-03	-14.35	0.0	-48.10	-325.99	0.82	0.0	-1.12	477.96
		0.0	-1.12	-9.97e-04	-0.09	143.5	-59.12	-340.34	0.74	0.0	0.0	0.0
77	89	486.64	0.0	4.23e-03	-14.35	0.0	35.34	-332.05	0.76	0.0	-1.02	486.64
		0.0	-1.02	5.47e-04	-0.09	143.5	24.32	-346.39	0.67	0.0	0.0	0.0
90	6	1285.31	-0.10	5.33e-03	-19.37	0.0	132.57	-406.73	0.22	0.04	-0.42	1285.31
		687.92	-0.42	-1.40e-05	0.0	143.5	132.57	-426.10	0.22	0.04	-0.10	687.92
90	7	480.69	-0.08	1.87e-03	-14.35	0.0	49.76	-142.04	0.07	0.55	-0.18	480.69
		266.63	-0.18	-5.54e-06	0.0	143.5	49.76	-156.39	0.07	0.55	-0.08	266.63
90	14	923.27	0.13	3.78e-03	-19.37	0.0	48.82	-279.59	0.39	-0.53	-0.30	923.27
		508.28	-0.30	-3.22e-04	-0.16	143.5	28.16	-298.96	0.22	-0.53	0.13	508.28
90	15	549.10	0.30	2.21e-03	-14.35	0.0	48.08	-162.71	0.78	-9.91	-0.82	549.10
		305.39	-0.82	-2.47e-04	0.0	143.5	48.08	-177.06	0.78	-9.91	0.30	305.39
90	18	903.82	-0.02	3.74e-03	-14.35	0.0	62.23	-285.78	0.26	0.07	-0.31	903.82
		483.55	-0.31	-2.18e-04	-0.11	143.5	48.46	-300.12	0.15	0.07	-0.02	483.55
90	19	904.94	-0.08	3.74e-03	-14.35	0.0	93.36	-285.36	0.16	0.08	-0.30	904.94
		485.28	-0.30	-9.87e-06	0.0	143.5	93.36	-299.70	0.16	0.08	-0.08	485.28
90	20	480.69	-0.08	1.87e-03	-14.35	0.0	49.76	-142.04	0.07	0.55	-0.18	480.69
		266.63	-0.18	-5.54e-06	0.0	143.5	49.76	-156.39	0.07	0.55	-0.08	266.63
90	21	664.70	0.02	2.71e-03	-14.35	0.0	68.65	-200.18	0.16	-0.28	-0.21	664.70
		367.24	-0.21	-6.78e-06	0.0	143.5	68.65	-214.52	0.16	-0.28	0.02	367.24
90	22	903.82	-0.02	3.74e-03	-14.35	0.0	62.23	-285.78	0.26	0.07	-0.31	903.82

		483.55	-0.31	-2.18e-04	-0.11	143.5	48.46	-300.12	0.15	0.07	-0.02	483.55
90	24	1285.19	0.19	5.33e-03	-19.37	0.0	135.64	-406.73	0.28	0.02	-0.22	1285.19
		687.79	-0.22	-3.77e-06	0.0	143.5	135.64	-426.10	0.28	0.02	0.19	687.79
90	25	924.83	0.34	3.79e-03	-19.37	0.0	98.57	-278.96	0.29	-0.53	-0.08	924.83
		510.74	-0.08	0.0	0.0	143.5	98.57	-298.33	0.29	-0.53	0.34	510.74
90	27	904.94	-0.08	3.74e-03	-14.35	0.0	93.36	-285.36	0.16	0.08	-0.30	904.94
		485.28	-0.30	-9.87e-06	0.0	143.5	93.36	-299.70	0.16	0.08	-0.08	485.28
90	28	1285.31	-0.10	5.33e-03	-19.37	0.0	132.57	-406.73	0.22	0.04	-0.42	1285.31
		687.92	-0.42	-1.40e-05	0.0	143.5	132.57	-426.10	0.22	0.04	-0.10	687.92
90	29	904.94	-0.08	3.74e-03	-14.35	0.0	93.36	-285.36	0.16	0.08	-0.30	904.94
		485.28	-0.30	-9.87e-06	0.0	143.5	93.36	-299.70	0.16	0.08	-0.08	485.28
90	38	876.38	-1.38	3.78e-03	-14.35	0.0	12.42	-269.20	1.46	-12.01	-3.63	876.38
		481.25	-3.63	-1.06e-03	-0.09	143.5	1.40	-283.55	1.37	-12.01	-1.38	481.25
90	41	900.61	-0.15	3.89e-03	-14.35	0.0	90.41	-286.45	-0.22	-9.36	-0.15	900.61
		478.02	-0.77	6.26e-04	-0.09	143.5	79.39	-300.80	-0.31	-9.36	-0.77	478.02
90	52	889.02	-1.05	3.84e-03	-14.35	0.0	6.58	-285.92	0.05	-10.79	-1.83	889.02
		472.99	-1.83	-7.87e-04	-0.09	143.5	-4.44	-300.26	-0.03	-10.79	-1.05	472.99
90	54	883.72	-1.15	3.84e-03	-14.35	0.0	-11.32	-280.25	0.60	-11.76	-2.46	883.72
		476.22	-2.46	-1.38e-03	-0.09	143.5	-22.34	-294.59	0.51	-11.76	-1.15	476.22
90	57	893.27	-1.00	3.83e-03	-14.35	0.0	114.15	-275.41	0.64	-9.61	-1.33	893.27
		483.04	-1.33	9.45e-04	-0.09	143.5	103.13	-289.75	0.55	-9.61	-1.00	483.04
90	70	880.82	-1.26	3.80e-03	-14.35	0.0	26.94	-272.42	1.14	-11.52	-3.00	880.82
		480.65	-3.00	-7.57e-04	-0.09	143.5	15.92	-286.76	1.06	-11.52	-1.26	480.65
90	73	896.17	-0.79	3.87e-03	-14.35	0.0	75.88	-283.24	0.09	-9.85	-0.79	896.17
		478.62	-0.88	3.22e-04	-0.09	143.5	64.87	-297.59	1.83e-03	-9.85	-0.88	478.62
90	84	888.74	-1.06	3.84e-03	-14.35	0.0	22.85	-283.09	0.25	-10.75	-1.87	888.74
		475.36	-1.87	-6.17e-04	-0.09	143.5	11.84	-297.44	0.16	-10.75	-1.06	475.36
90	90	884.69	-1.16	3.83e-03	-14.35	0.0	11.30	-278.70	0.66	-11.24	-2.39	884.69
		477.72	-2.39	-7.12e-04	-0.09	143.5	0.28	-293.05	0.57	-11.24	-1.16	477.72
90	93	892.31	-0.98	3.84e-03	-14.35	0.0	91.53	-276.96	0.57	-10.14	-1.40	892.31
		481.55	-1.40	2.77e-04	-0.09	143.5	80.51	-291.30	0.49	-10.14	-0.98	481.55
91	7	-12.73	0.05	9.70e-05	-16.90	0.0	7.18	-5.40	0.07	0.38	-0.06	-12.73
		-34.89	-0.06	0.0	0.0	160.0	7.18	-22.30	0.07	0.38	0.05	-34.89
91	12	96.67	0.08	-1.09e-05	-16.90	0.0	36.11	98.95	0.11	0.59	-0.09	-48.13
		-48.13	-0.09	0.0	0.0	160.0	36.11	82.05	0.11	0.59	0.08	96.67
91	13	84.49	0.35	2.52e-05	-22.82	0.0	38.63	97.07	0.48	0.73	-0.42	-52.58
		-52.58	-0.42	-3.51e-04	0.0	160.0	38.63	74.26	0.48	0.73	0.35	84.49
91	14	-1.61	0.55	-4.30e-05	-22.82	0.0	22.00	24.75	0.73	2.43	-0.62	-22.95
		-22.95	-0.62	-3.52e-04	0.0	160.0	22.00	1.93	0.73	2.43	0.55	-1.61
91	15	-28.29	0.20	-1.37e-03	-16.90	0.0	15.74	-46.05	-0.24	1.44	0.20	-28.29
		-115.48	-0.19	-2.51e-04	0.0	160.0	15.74	-62.95	-0.24	1.44	-0.19	-115.48
91	18	52.83	0.24	2.65e-05	-16.90	0.0	26.47	64.17	0.33	0.53	-0.28	-36.32
		-36.32	-0.28	-2.34e-04	0.0	160.0	26.47	47.27	0.33	0.53	0.24	52.83
91	19	52.81	0.07	2.73e-05	-16.90	0.0	26.47	64.17	0.10	0.52	-0.08	-36.33
		-36.33	-0.08	0.0	0.0	160.0	26.47	47.27	0.10	0.52	0.07	52.81
91	20	-12.73	0.05	9.70e-05	-16.90	0.0	7.18	-5.40	0.07	0.38	-0.06	-12.73
		-34.89	-0.06	0.0	0.0	160.0	7.18	-22.30	0.07	0.38	0.05	-34.89
91	21	-4.54	0.21	-1.82e-05	-16.90	0.0	15.38	15.95	0.26	1.66	-0.22	-16.58
		-16.58	-0.22	0.0	0.0	160.0	15.38	-0.95	0.26	1.66	0.21	-4.58
91	22	52.83	0.24	2.65e-05	-16.90	0.0	26.47	64.17	0.33	0.53	-0.28	-36.32
		-36.32	-0.28	-2.34e-04	0.0	160.0	26.47	47.27	0.33	0.53	0.24	52.83
91	27	52.81	0.07	2.73e-05	-16.90	0.0	26.47	64.17	0.10	0.52	-0.08	-36.33
		-36.33	-0.08	0.0	0.0	160.0	26.47	47.27	0.10	0.52	0.07	52.81
91	28	84.45	0.10	2.63e-05	-22.82	0.0	38.63	97.06	0.13	0.73	-0.11	-52.59
		-52.59	-0.11	0.0	0.0	160.0	38.63	74.25	0.13	0.73	0.10	84.45
91	29	52.81	0.07	2.73e-05	-16.90	0.0	26.47	64.17	0.10	0.52	-0.08	-36.33
		-36.33	-0.08	0.0	0.0	160.0	26.47	47.27	0.10	0.52	0.07	52.81
91	32	-36.92	1.61	-1.22e-03	-16.90	0.0	13.92	-3.26	2.08	3.02	-1.72	-36.92
		-55.66	-1.72	-8.27e-04	0.0	160.0	13.92	-20.16	2.08	3.02	1.61	-55.66
91	38	-60.04	0.51	-1.73e-03	-16.90	0.0	38.14	-29.04	0.67	2.66	-0.57	-60.04
		-120.02	-0.57	-6.13e-04	0.0	160.0	38.14	-45.94	0.67	2.66	0.51	-120.02
91	39	-62.09	0.03	-1.84e-03	-16.90	0.0	36.30	-31.34	-0.03	2.85	0.03	-62.09
		-125.75	-0.03	2.20e-04	0.0	160.0	36.30	-48.24	-0.03	2.85	-0.03	-125.75
91	40	-35.39	0.94	-1.19e-03	-16.90	0.0	10.25	-1.68	1.22	2.35	-1.02	-35.39
		-51.60	-1.02	-6.28e-04	0.0	160.0	10.25	-18.58	1.22	2.35	0.94	-51.60
91	41	-37.44	0.40	-1.30e-03	-16.90	0.0	8.41	-3.98	0.52	2.53	-0.43	-37.44
		-57.32	-0.43	2.05e-04	0.0	160.0	8.41	-20.88	0.52	2.53	0.40	-57.32
91	48	-42.09	1.61	-1.26e-03	-16.90	0.0	23.25	-9.05	2.11	2.44	-1.76	-42.09
		-70.09	-1.76	-1.65e-03	0.0	160.0	23.25	-25.95	2.11	2.44	1.61	-70.09
91	70	-55.85	0.49	-1.65e-03	-16.90	0.0	32.63	-24.40	0.65	2.64	-0.54	-55.85
		-108.40	-0.54	-4.82e-04	0.0	160.0	32.63	-41.30	0.65	2.64	0.49	-108.40
91	71	-57.19	0.14	-1.72e-03	-16.90	0.0	31.50	-25.89	0.19	2.76	-0.16	-57.19
		-112.14	-0.16	3.70e-05	0.0	160.0	31.50	-42.79	0.19	2.76	0.14	-112.14
91	72	-40.30	0.77	-1.31e-03	-16.90	0.0	15.05	-7.12	1.00	2.44	-0.84	-40.30
		-65.21	-0.84	-4.45e-04	0.0	160.0	15.05	-24.02	1.00	2.44	0.77	-65.21
91	73	-41.63	0.42	-1.38e-03	-16.90	0.0	13.92	-8.62	0.54	2.56	-0.45	-41.63
		-68.95	-0.45	7.39e-05	0.0	160.0	13.92	-25.52	0.54	2.56	0.42	-68.95

91	80	-44.55	1.20	-1.36e-03	-16.90	0.0	23.30	-11.81	1.57	2.49	-1.31	-44.55
		-76.97	-1.31	-1.08e-03	0.0	160.0	23.30	-28.71	1.57	2.49	1.20	-76.97
92	6	101.01	0.04	1.47e-04	-22.82	0.0	56.46	2.34	0.05	0.50	-0.04	100.83
		86.33	-0.04	0.0	0.0	160.0	56.46	-20.47	0.05	0.50	0.04	86.33
92	7	-28.28	0.02	5.76e-05	-16.90	0.0	7.83	8.33	0.03	0.24	-0.02	-31.57
		-31.76	-0.02	0.0	0.0	160.0	7.83	-8.57	0.03	0.24	0.02	-31.76
92	12	111.88	0.04	1.27e-04	-16.90	0.0	53.72	-0.57	0.04	0.41	-0.03	111.88
		97.44	-0.03	0.0	0.0	160.0	53.72	-17.47	0.04	0.41	0.04	97.44
92	13	101.05	0.91	1.46e-04	-22.82	0.0	56.37	2.32	1.11	0.51	-0.86	100.87
		86.33	-0.86	-3.53e-04	0.0	160.0	56.37	-20.49	1.11	0.51	0.91	86.33
92	15	-122.78	0.38	-1.52e-03	-16.90	0.0	23.45	-18.69	-0.54	1.79	0.38	-122.78
		-166.21	-0.49	-2.51e-04	0.0	160.0	23.45	-35.59	-0.54	1.79	-0.49	-166.21
92	18	64.36	0.61	1.03e-04	-16.90	0.0	38.37	2.38	0.74	0.37	-0.58	64.09
		54.38	-0.58	-2.36e-04	0.0	160.0	38.37	-14.52	0.74	0.37	0.61	54.38
92	19	64.33	0.03	1.04e-04	-16.90	0.0	38.42	2.40	0.04	0.35	-0.03	64.06
		54.37	-0.03	0.0	0.0	160.0	38.42	-14.50	0.04	0.35	0.03	54.37
92	20	-28.28	0.02	5.76e-05	-16.90	0.0	7.83	8.33	0.03	0.24	-0.02	-31.57
		-31.76	-0.02	0.0	0.0	160.0	7.83	-8.57	0.03	0.24	0.02	-31.76
92	21	17.28	8.48e-03	-1.76e-05	-16.90	0.0	21.01	18.65	-0.04	2.31e-04	8.48e-03	0.96
		0.96	-0.05	0.0	0.0	160.0	21.01	1.75	-0.04	2.31e-04	-0.05	17.28
92	22	64.36	0.61	1.03e-04	-16.90	0.0	38.37	2.38	0.74	0.37	-0.58	64.09
		54.38	-0.58	-2.36e-04	0.0	160.0	38.37	-14.52	0.74	0.37	0.61	54.38
92	27	64.33	0.03	1.04e-04	-16.90	0.0	38.42	2.40	0.04	0.35	-0.03	64.06
		54.37	-0.03	0.0	0.0	160.0	38.42	-14.50	0.04	0.35	0.03	54.37
92	28	101.01	0.04	1.47e-04	-22.82	0.0	56.46	2.34	0.05	0.50	-0.04	100.83
		86.33	-0.04	0.0	0.0	160.0	56.46	-20.47	0.05	0.50	0.04	86.33
92	29	64.33	0.03	1.04e-04	-16.90	0.0	38.42	2.40	0.04	0.35	-0.03	64.06
		54.37	-0.03	0.0	0.0	160.0	38.42	-14.50	0.04	0.35	0.03	54.37
92	38	-144.35	0.60	-1.96e-03	-16.90	0.0	31.06	-82.80	0.78	2.38	-0.65	-144.35
		-290.36	-0.65	-5.69e-03	0.0	160.0	31.06	-99.70	0.78	2.38	0.60	-290.36
92	39	-153.81	0.08	-1.96e-03	-16.90	0.0	29.64	-86.75	-0.16	1.91	0.08	-153.81
		-306.13	-0.17	-4.84e-03	0.0	160.0	29.64	-103.65	-0.16	1.91	-0.17	-306.13
92	40	-29.93	1.35	-1.29e-03	-16.90	0.0	23.47	-32.92	1.65	1.87	-1.29	-29.93
		-96.13	-1.29	4.43e-03	0.0	160.0	23.47	-49.82	1.65	1.87	1.35	-96.13
92	41	-39.40	0.57	-1.30e-03	-16.90	0.0	22.05	-36.87	0.71	1.40	-0.56	-39.40
		-111.91	-0.56	5.28e-03	0.0	160.0	22.05	-53.77	0.71	1.40	0.57	-111.91
92	48	-60.98	2.23	-1.53e-03	-16.90	0.0	28.30	-46.75	2.74	2.81	-2.15	-60.98
		-149.32	-2.15	3.05e-03	0.0	160.0	28.30	-63.65	2.74	2.81	2.23	-149.32
92	70	-124.90	0.60	-1.84e-03	-16.90	0.0	29.39	-74.30	0.77	2.20	-0.63	-124.90
		-257.30	-0.63	-3.70e-03	0.0	160.0	29.39	-91.20	0.77	2.20	0.60	-257.30
92	71	-131.07	0.10	-1.84e-03	-16.90	0.0	28.50	-76.86	0.16	1.90	-0.16	-131.07
		-267.56	-0.16	-3.18e-03	0.0	160.0	28.50	-93.76	0.16	1.90	0.10	-267.56
92	72	-52.68	1.08	-1.42e-03	-16.90	0.0	24.61	-42.81	1.33	1.89	-1.05	-52.68
		-134.71	-1.05	2.77e-03	0.0	160.0	24.61	-59.71	1.33	1.89	1.08	-134.71
92	73	-58.85	0.57	-1.42e-03	-16.90	0.0	23.73	-45.38	0.72	1.58	-0.57	-58.85
		-144.97	-0.57	3.29e-03	0.0	160.0	23.73	-62.28	0.72	1.58	0.57	-144.97
92	80	-72.43	1.64	-1.57e-03	-16.90	0.0	27.65	-51.62	2.03	2.49	-1.60	-72.43
		-168.56	-1.60	1.86e-03	0.0	160.0	27.65	-68.52	2.03	2.49	1.64	-168.56
93	6	80.43	0.06	2.57e-04	-22.82	0.0	38.21	-49.68	0.07	0.45	-0.05	80.43
		-17.30	-0.05	0.0	0.0	160.0	38.21	-72.49	0.07	0.45	0.06	-17.30
93	7	-13.90	0.02	1.84e-05	-16.90	0.0	5.57	21.20	0.03	0.19	-0.02	-34.30
		-34.30	-0.02	0.0	0.0	160.0	5.57	4.30	0.03	0.19	0.02	-13.90
93	12	92.43	0.05	2.51e-04	-16.90	0.0	36.26	-57.10	0.06	0.39	-0.04	92.43
		-12.44	-0.04	0.0	0.0	160.0	36.26	-74.00	0.06	0.39	0.05	-12.44
93	13	80.46	0.42	2.56e-04	-22.82	0.0	38.18	-49.70	0.44	0.47	-0.28	80.46
		-17.32	-0.28	-3.50e-04	0.0	160.0	38.18	-72.52	0.44	0.47	0.42	-17.32
93	15	-93.25	0.08	-1.75e-03	-16.90	0.0	26.53	76.73	0.02	3.37	0.05	-202.49
		-202.49	0.05	-2.52e-04	0.0	160.0	26.53	59.83	0.02	3.37	0.08	-93.25
93	18	50.21	0.28	1.73e-04	-16.90	0.0	26.01	-31.01	0.30	0.33	-0.19	50.21
		-12.93	-0.19	-2.34e-04	0.0	160.0	26.01	-47.91	0.30	0.33	0.28	-12.93
93	19	50.19	0.04	1.73e-04	-16.90	0.0	26.03	-31.00	0.05	0.32	-0.04	50.19
		-12.93	-0.04	0.0	0.0	160.0	26.03	-47.90	0.05	0.32	0.04	-12.93
93	20	-13.90	0.02	1.84e-05	-16.90	0.0	5.57	21.20	0.03	0.19	-0.02	-34.30
		-34.30	-0.02	0.0	0.0	160.0	5.57	4.30	0.03	0.19	0.02	-13.90
93	21	13.43	0.14	4.51e-06	-16.90	0.0	15.14	-6.84	-0.19	-1.04	0.14	13.43
		-11.04	-0.16	0.0	0.0	160.0	15.14	-23.74	-0.19	-1.04	-0.16	-11.04
93	22	50.21	0.28	1.73e-04	-16.90	0.0	26.01	-31.01	0.30	0.33	-0.19	50.21
		-12.93	-0.19	-2.34e-04	0.0	160.0	26.01	-47.91	0.30	0.33	0.28	-12.93
93	27	50.19	0.04	1.73e-04	-16.90	0.0	26.03	-31.00	0.05	0.32	-0.04	50.19
		-12.93	-0.04	0.0	0.0	160.0	26.03	-47.90	0.05	0.32	0.04	-12.93
93	28	80.43	0.06	2.57e-04	-22.82	0.0	38.21	-49.68	0.07	0.45	-0.05	80.43
		-17.30	-0.05	0.0	0.0	160.0	38.21	-72.49	0.07	0.45	0.06	-17.30
93	29	50.19	0.04	1.73e-04	-16.90	0.0	26.03	-31.00	0.05	0.32	-0.04	50.19
		-12.93	-0.04	0.0	0.0	160.0	26.03	-47.90	0.05	0.32	0.04	-12.93
93	31	-177.43	1.01	-2.35e-03	-16.90	0.0	13.29	113.38	-1.31	2.16	1.01	-345.31
		-345.31	-1.09	-1.22e-03	0.0	160.0	13.29	96.48	-1.31	2.16	-1.09	-177.43
93	32	-66.16	1.59	-1.47e-03	-16.90	0.0	20.34	59.73	1.85	-1.65	-1.38	-148.22

		-148.22	-1.38	8.10e-04	0.0	160.0	20.34	42.83	1.85	-1.65	1.59	-66.16
93	39	-185.00	0.84	-2.41e-03	-16.90	0.0	13.95	116.72	-1.16	-1.42	0.84	-358.23
		-358.23	-1.02	-5.20e-05	0.0	160.0	13.95	99.82	-1.16	-1.42	-1.02	-185.00
93	40	-58.59	1.52	-1.41e-03	-16.90	0.0	19.68	56.39	1.70	1.94	-1.21	-135.29
		-135.29	-1.21	-3.54e-04	0.0	160.0	19.68	39.49	1.70	1.94	1.52	-58.59
93	48	-90.90	2.39	-1.66e-03	-16.90	0.0	20.20	71.59	2.73	2.70	-1.99	-191.92
		-191.92	-1.99	-1.29e-03	0.0	160.0	20.20	54.69	2.73	2.70	2.39	-90.90
93	63	-155.75	0.58	-2.18e-03	-16.90	0.0	14.62	102.92	-0.75	1.41	0.58	-306.89
		-306.89	-0.61	-7.11e-04	0.0	160.0	14.62	86.02	-0.75	1.41	-0.61	-155.75
93	64	-87.84	1.11	-1.64e-03	-16.90	0.0	19.01	70.19	1.28	-0.89	-0.94	-186.63
		-186.63	-0.94	3.05e-04	0.0	160.0	19.01	53.29	1.28	-0.89	1.11	-87.84
93	71	-161.77	0.48	-2.23e-03	-16.90	0.0	14.98	105.64	-0.65	-0.83	0.48	-317.28
		-317.28	-0.56	-8.52e-05	0.0	160.0	14.98	88.74	-0.65	-0.83	-0.56	-161.77
93	72	-81.81	1.06	-1.59e-03	-16.90	0.0	18.65	67.47	1.19	1.34	-0.84	-176.24
		-176.24	-0.84	-3.21e-04	0.0	160.0	18.65	50.57	1.19	1.34	1.06	-81.81
93	80	-102.38	1.62	-1.75e-03	-16.90	0.0	18.98	77.14	1.85	1.85	-1.34	-212.29
		-212.29	-1.34	-9.22e-04	0.0	160.0	18.98	60.24	1.85	1.85	1.62	-102.38
94	6	1781.50	-0.42	4.27e-03	-19.37	0.0	208.89	-339.53	0.07	0.06	-0.53	1781.50
		1280.52	-0.53	-1.11e-05	0.0	143.5	208.89	-358.89	0.07	0.06	-0.42	1280.52
94	7	638.32	-0.18	1.47e-03	-14.35	0.0	75.53	-103.64	0.02	0.40	-0.21	638.32
		479.35	-0.21	-4.27e-06	0.0	143.5	75.53	-117.99	0.02	0.40	-0.18	479.35
94	15	741.24	-0.66	1.76e-03	-14.35	0.0	69.21	-127.40	-0.11	-10.01	-0.66	741.24
		548.18	-0.82	-2.42e-04	0.0	143.5	69.21	-141.75	-0.11	-10.01	-0.82	548.18
94	18	1250.51	-0.31	2.99e-03	-14.35	0.0	127.97	-236.82	0.10	0.07	-0.38	1250.51
		900.49	-0.38	-2.16e-04	-0.11	143.5	114.20	-251.16	-5.15e-03	0.07	-0.31	900.49
94	19	1251.50	-0.30	2.99e-03	-14.35	0.0	146.81	-236.72	0.05	0.08	-0.37	1251.50
		901.61	-0.37	-7.81e-06	0.0	143.5	146.81	-251.06	0.05	0.08	-0.30	901.61
94	20	638.32	-0.18	1.47e-03	-14.35	0.0	75.53	-103.64	0.02	0.40	-0.21	638.32
		479.35	-0.21	-4.27e-06	0.0	143.5	75.53	-117.99	0.02	0.40	-0.18	479.35
94	21	886.76	-0.21	2.16e-03	-14.35	0.0	104.78	-148.97	0.01	-0.15	-0.23	886.76
		662.75	-0.23	-5.47e-06	0.0	143.5	104.78	-163.32	0.01	-0.15	-0.21	662.75
94	22	1250.51	-0.31	2.99e-03	-14.35	0.0	127.97	-236.82	0.10	0.07	-0.38	1250.51
		900.49	-0.38	-2.16e-04	-0.11	143.5	114.20	-251.16	-5.15e-03	0.07	-0.31	900.49
94	24	1781.29	-0.22	4.27e-03	-19.37	0.0	213.54	-339.52	0.04	0.05	-0.28	1781.29
		1280.31	-0.28	-2.58e-06	0.0	143.5	213.54	-358.89	0.04	0.05	-0.22	1280.31
94	25	1234.18	-0.07	3.03e-03	-19.37	0.0	150.49	-207.91	-0.01	-0.31	-0.07	1234.18
		922.02	-0.08	0.0	0.0	143.5	150.49	-227.27	-0.01	-0.31	-0.08	922.02
94	27	1251.50	-0.30	2.99e-03	-14.35	0.0	146.81	-236.72	0.05	0.08	-0.37	1251.50
		901.61	-0.37	-7.81e-06	0.0	143.5	146.81	-251.06	0.05	0.08	-0.30	901.61
94	28	1781.50	-0.42	4.27e-03	-19.37	0.0	208.89	-339.53	0.07	0.06	-0.53	1781.50
		1280.52	-0.53	-1.11e-05	0.0	143.5	208.89	-358.89	0.07	0.06	-0.42	1280.52
94	29	1251.50	-0.30	2.99e-03	-14.35	0.0	146.81	-236.72	0.05	0.08	-0.37	1251.50
		901.61	-0.37	-7.81e-06	0.0	143.5	146.81	-251.06	0.05	0.08	-0.30	901.61
94	38	1221.23	-2.87	3.05e-03	-14.35	0.0	53.12	-234.49	-0.49	-13.46	-2.87	1221.23
		872.93	-3.63	-9.88e-04	-0.09	143.5	42.10	-248.83	-0.58	-13.46	-3.63	872.93
94	40	1259.15	-0.23	3.14e-03	-14.35	0.0	128.05	-244.22	-0.08	-8.75	-0.23	1259.15
		896.91	-0.41	2.27e-04	-0.09	143.5	117.03	-258.56	-0.17	-8.75	-0.41	896.91
94	41	1255.36	-0.04	3.15e-03	-14.35	0.0	154.25	-242.55	-0.04	-9.13	-0.04	1255.36
		898.73	-0.15	5.78e-04	-0.09	143.5	143.23	-256.89	-0.12	-9.13	-0.15	898.73
94	58	1238.80	-2.06	3.10e-03	-14.35	0.0	44.16	-239.65	-0.26	-12.40	-2.06	1238.80
		879.55	-2.66	-8.37e-04	-0.09	143.5	33.15	-254.00	-0.35	-12.40	-2.66	879.55
94	61	1237.79	-0.85	3.10e-03	-14.35	0.0	163.21	-237.38	-0.26	-10.20	-0.85	1237.79
		892.11	-1.12	4.27e-04	-0.09	143.5	152.19	-251.73	-0.35	-10.20	-1.12	892.11
94	70	1227.58	-2.35	3.07e-03	-14.35	0.0	71.96	-235.99	-0.41	-12.66	-2.35	1227.58
		877.66	-3.00	-7.09e-04	-0.09	143.5	60.94	-250.33	-0.50	-12.66	-3.00	877.66
94	72	1251.55	-0.69	3.12e-03	-14.35	0.0	118.88	-242.15	-0.15	-9.69	-0.69	1251.55
		892.79	-0.96	4.82e-05	-0.09	143.5	107.86	-256.49	-0.24	-9.69	-0.96	892.79
94	73	1249.01	-0.56	3.13e-03	-14.35	0.0	135.41	-241.05	-0.12	-9.93	-0.56	1249.01
		894.00	-0.79	2.99e-04	-0.09	143.5	124.39	-255.39	-0.21	-9.93	-0.79	894.00
94	90	1238.83	-1.84	3.10e-03	-14.35	0.0	65.68	-239.30	-0.26	-11.99	-1.84	1238.83
		881.76	-2.39	-6.39e-04	-0.09	143.5	54.66	-253.65	-0.35	-11.99	-2.39	881.76
94	93	1237.76	-1.06	3.10e-03	-14.35	0.0	141.69	-237.73	-0.27	-10.61	-1.06	1237.76
		889.90	-1.40	2.29e-04	-0.09	143.5	130.68	-252.08	-0.35	-10.61	-1.40	889.90
95	6	2191.74	0.34	2.79e-03	-19.37	0.0	271.93	-279.43	-0.61	0.44	0.34	2191.74
		1776.98	-0.53	-8.35e-06	0.0	143.5	271.93	-298.80	-0.61	0.44	-0.53	1776.98
95	7	741.36	-0.12	9.44e-04	-14.35	0.0	94.17	-65.36	-0.06	0.27	-0.12	741.36
		637.30	-0.21	-2.84e-06	0.0	143.5	94.17	-79.71	-0.06	0.27	-0.21	637.30
95	15	880.31	-0.66	1.15e-03	-14.35	0.0	84.24	-90.18	0.19	-7.90	-0.66	880.31
		740.65	-0.94	-2.37e-04	0.0	143.5	84.24	-104.52	0.19	-7.90	-0.94	740.65
95	18	1534.69	0.13	1.95e-03	-14.35	0.0	182.23	-192.96	-0.30	0.31	0.13	1534.69
		1247.58	-0.38	-2.14e-04	-0.11	143.5	168.46	-207.30	-0.41	0.31	-0.38	1247.58
95	19	1535.30	0.22	1.95e-03	-14.35	0.0	190.71	-192.82	-0.41	0.32	0.22	1535.30
		1248.38	-0.37	-5.85e-06	0.0	143.5	190.71	-207.17	-0.41	0.32	-0.37	1248.38
95	20	741.36	-0.12	9.44e-04	-14.35	0.0	94.17	-65.36	-0.06	0.27	-0.12	741.36
		637.30	-0.21	-2.84e-06	0.0	143.5	94.17	-79.71	-0.06	0.27	-0.21	637.30
95	21	1036.30	-0.02	1.43e-03	-14.35	0.0	131.65	-98.10	-0.14	0.07	-0.02	1036.30
		885.27	-0.23	-4.03e-06	0.0	143.5	131.65	-112.45	-0.14	0.07	-0.23	885.27

95	22	1534.69	0.13	1.95e-03	-14.35	0.0	182.23	-192.96	-0.30	0.31	0.13	1534.69
		1247.58	-0.38	-2.14e-04	-0.11	143.5	168.46	-207.30	-0.41	0.31	-0.38	1247.58
95	24	2191.48	0.57	2.79e-03	-19.37	0.0	277.58	-279.43	-0.59	0.42	0.57	2191.48
		1776.72	-0.28	-1.63e-06	0.0	143.5	277.58	-298.80	-0.59	0.42	-0.28	1776.72
95	27	1535.30	0.22	1.95e-03	-14.35	0.0	190.71	-192.82	-0.41	0.32	0.22	1535.30
		1248.38	-0.37	-5.85e-06	0.0	143.5	190.71	-207.17	-0.41	0.32	-0.37	1248.38
95	28	2191.74	0.34	2.79e-03	-19.37	0.0	271.93	-279.43	-0.61	0.44	0.34	2191.74
		1776.98	-0.53	-8.35e-06	0.0	143.5	271.93	-298.80	-0.61	0.44	-0.53	1776.98
95	29	1535.30	0.22	1.95e-03	-14.35	0.0	190.71	-192.82	-0.41	0.32	0.22	1535.30
		1248.38	-0.37	-5.85e-06	0.0	143.5	190.71	-207.17	-0.41	0.32	-0.37	1248.38
95	38	1515.32	-2.87	2.04e-03	-14.35	0.0	90.09	-198.52	0.49	-11.31	-3.49	1515.32
		1219.93	-3.49	-9.03e-04	-0.09	143.5	79.07	-212.86	0.41	-11.31	-2.87	1219.93
95	41	1553.14	0.64	2.10e-03	-14.35	0.0	208.32	-202.46	-0.44	-7.24	0.64	1553.14
		1252.70	-0.04	5.16e-04	-0.09	143.5	197.30	-216.81	-0.53	-7.24	-0.04	1252.70
95	42	1515.50	-2.84	2.05e-03	-14.35	0.0	88.39	-198.87	0.48	-11.66	-3.45	1515.50
		1219.98	-3.45	-8.86e-04	-0.09	143.5	77.38	-213.22	0.39	-11.66	-2.84	1219.98
95	43	1511.63	-2.71	2.04e-03	-14.35	0.0	113.64	-198.61	0.43	-11.40	-3.29	1511.63
		1216.32	-3.29	-6.95e-04	-0.09	143.5	102.62	-212.96	0.35	-11.40	-2.71	1216.32
95	44	1556.83	0.43	2.10e-03	-14.35	0.0	184.77	-202.37	-0.38	-7.14	0.43	1556.83
		1256.31	-0.20	3.08e-04	-0.09	143.5	173.75	-216.71	-0.47	-7.14	-0.20	1256.31
95	45	1552.97	0.60	2.10e-03	-14.35	0.0	210.01	-202.10	-0.43	-6.89	0.60	1552.97
		1252.65	-0.07	4.99e-04	-0.09	143.5	199.00	-216.45	-0.52	-6.89	-0.07	1252.65
95	70	1522.34	-2.35	2.05e-03	-14.35	0.0	112.11	-199.25	0.32	-10.55	-2.73	1522.34
		1226.03	-2.73	-6.54e-04	-0.09	143.5	101.10	-213.60	0.23	-10.55	-2.35	1226.03
95	73	1546.12	-0.12	2.09e-03	-14.35	0.0	186.29	-201.73	-0.27	-8.00	-0.12	1546.12
		1246.61	-0.56	2.67e-04	-0.09	143.5	175.28	-216.08	-0.36	-8.00	-0.56	1246.61
95	74	1522.46	-2.33	2.06e-03	-14.35	0.0	110.89	-199.48	0.31	-10.79	-2.70	1522.46
		1226.06	-2.70	-6.39e-04	-0.09	143.5	99.87	-213.82	0.22	-10.79	-2.33	1226.06
95	75	1519.89	-2.25	2.05e-03	-14.35	0.0	127.02	-199.30	0.28	-10.61	-2.60	1519.89
		1223.62	-2.60	-4.92e-04	-0.09	143.5	116.00	-213.65	0.20	-10.61	-2.25	1223.62
95	76	1548.57	-0.26	2.09e-03	-14.35	0.0	171.39	-201.68	-0.23	-7.93	-0.26	1548.57
		1249.01	-0.66	1.05e-04	-0.09	143.5	160.37	-216.02	-0.32	-7.93	-0.66	1249.01
95	77	1546.00	-0.15	2.09e-03	-14.35	0.0	187.52	-201.50	-0.26	-7.76	-0.15	1546.00
		1246.58	-0.58	2.52e-04	-0.09	143.5	176.50	-215.85	-0.35	-7.76	-0.58	1246.58
96	6	2375.47	0.34	9.87e-04	-19.37	0.0	313.70	-119.83	2.01	2.13	-2.54	2375.47
		2189.67	-2.54	-6.23e-06	0.0	143.5	313.70	-139.20	2.01	2.13	0.34	2189.67
96	7	790.24	-0.12	3.30e-04	-14.35	0.0	105.19	-27.15	0.23	0.40	-0.46	790.24
		740.99	-0.46	-1.40e-06	0.0	143.5	105.19	-41.50	0.23	0.40	-0.12	740.99
96	15	964.53	-0.94	4.16e-04	-14.35	0.0	93.71	-51.78	0.16	-4.74	-1.16	964.53
		879.95	-1.16	-2.30e-04	0.0	143.5	93.71	-66.13	0.16	-4.74	-0.94	879.95
96	18	1662.46	0.13	6.92e-04	-14.35	0.0	220.97	-82.74	1.11	1.46	-1.39	1662.46
		1533.47	-1.39	-2.13e-04	-0.11	143.5	207.20	-97.09	1.00	1.46	0.13	1533.47
96	19	1662.67	0.22	6.91e-04	-14.35	0.0	219.65	-82.60	1.36	1.46	-1.74	1662.67
		1533.88	-1.74	-4.29e-06	0.0	143.5	219.65	-96.95	1.36	1.46	0.22	1533.88
96	20	790.24	-0.12	3.30e-04	-14.35	0.0	105.19	-27.15	0.23	0.40	-0.46	790.24
		740.99	-0.46	-1.40e-06	0.0	143.5	105.19	-41.50	0.23	0.40	-0.12	740.99
96	21	1114.20	-0.02	5.75e-04	-14.35	0.0	148.98	-47.61	0.64	0.49	-0.94	1114.20
		1035.61	-0.94	-2.45e-06	0.0	143.5	148.98	-61.95	0.64	0.49	-0.02	1035.61
96	22	1662.46	0.13	6.92e-04	-14.35	0.0	220.97	-82.74	1.11	1.46	-1.39	1662.46
		1533.47	-1.39	-2.13e-04	-0.11	143.5	207.20	-97.09	1.00	1.46	0.13	1533.47
96	24	2375.19	0.57	9.87e-04	-19.37	0.0	319.71	-119.83	1.91	2.12	-2.18	2375.19
		2189.39	-2.18	-1.40e-06	0.0	143.5	319.71	-139.20	1.91	2.12	0.57	2189.39
96	27	1662.67	0.22	6.91e-04	-14.35	0.0	219.65	-82.60	1.36	1.46	-1.74	1662.67
		1533.88	-1.74	-4.29e-06	0.0	143.5	219.65	-96.95	1.36	1.46	0.22	1533.88
96	28	2375.47	0.34	9.87e-04	-19.37	0.0	313.70	-119.83	2.01	2.13	-2.54	2375.47
		2189.67	-2.54	-6.23e-06	0.0	143.5	313.70	-139.20	2.01	2.13	0.34	2189.67
96	29	1662.67	0.22	6.91e-04	-14.35	0.0	219.65	-82.60	1.36	1.46	-1.74	1662.67
		1533.88	-1.74	-4.29e-06	0.0	143.5	219.65	-96.95	1.36	1.46	0.22	1533.88
96	39	1666.49	-3.25	7.98e-04	-14.35	0.0	136.27	-98.41	0.86	-5.97	-4.58	1666.49
		1515.25	-4.58	-7.26e-04	-0.09	143.5	125.26	-112.75	0.77	-5.97	-3.25	1515.25
96	40	1722.34	3.87	8.15e-04	-14.35	0.0	232.30	-111.97	-2.26	-4.42	3.87	1722.34
		1551.18	0.39	3.58e-04	-0.09	143.5	221.28	-126.32	-2.35	-4.42	0.39	1551.18
96	41	1726.80	2.91	8.17e-04	-14.35	0.0	246.92	-113.19	-1.66	-4.62	2.91	1726.80
		1554.36	0.64	4.36e-04	-0.09	143.5	235.91	-127.53	-1.75	-4.62	0.64	1554.36
96	42	1666.46	-3.45	7.98e-04	-14.35	0.0	120.43	-98.21	0.33	-5.93	-3.75	1666.46
		1515.47	-3.75	-8.15e-04	-0.09	143.5	109.41	-112.55	0.24	-5.93	-3.45	1515.47
96	43	1662.06	-3.29	7.97e-04	-14.35	0.0	137.49	-97.40	0.79	-5.81	-4.46	1662.06
		1511.85	-4.46	-7.16e-04	-0.09	143.5	126.47	-111.74	0.70	-5.81	-3.29	1511.85
96	45	1722.37	3.04	8.15e-04	-14.35	0.0	248.14	-112.18	-1.73	-4.46	3.04	1722.37
		1550.97	0.59	4.46e-04	-0.09	143.5	237.12	-126.52	-1.82	-4.46	0.59	1550.97
96	71	1676.81	-2.57	8.01e-04	-14.35	0.0	153.99	-100.90	0.29	-5.69	-3.04	1676.81
		1521.91	-3.04	-5.01e-04	-0.09	143.5	142.97	-115.25	0.21	-5.69	-2.57	1521.91
96	72	1712.02	2.32	8.12e-04	-14.35	0.0	214.58	-109.48	-1.70	-4.70	2.32	1712.02
		1544.52	-0.28	1.33e-04	-0.09	143.5	203.56	-123.82	-1.78	-4.70	-0.28	1544.52
96	74	1676.83	-2.49	8.01e-04	-14.35	0.0	144.08	-100.79	-0.05	-5.66	-2.49	1676.83
		1522.06	-2.70	-5.91e-04	-0.09	143.5	133.06	-115.13	-0.14	-5.66	-2.70	1522.06
96	75	1673.92	-2.60	8.00e-04	-14.35	0.0	154.88	-100.27	0.25	-5.58	-2.96	1673.92



		1519.66	-2.96	-5.01e-04	-0.09	143.5	143.86	-114.62	0.16	-5.58	-2.60	1519.66
96	76	1714.90	2.24	8.13e-04	-14.35	0.0	213.69	-110.11	-1.65	-4.81	2.24	1714.90
		1546.77	-0.26	1.33e-04	-0.09	143.5	202.67	-124.46	-1.74	-4.81	-0.26	1546.77
96	77	1712.00	1.78	8.12e-04	-14.35	0.0	224.49	-109.59	-1.35	-4.73	1.78	1712.00
		1544.37	-0.15	2.23e-04	-0.09	143.5	213.47	-123.94	-1.44	-4.73	-0.15	1544.37
97	7	790.10	-0.11	-3.15e-04	-14.28	0.0	105.23	40.61	-0.29	-0.65	-0.11	742.30
		742.30	-0.53	1.34e-06	0.0	142.8	105.23	26.32	-0.29	-0.65	-0.53	790.10
97	13	2375.25	0.46	-9.40e-04	-19.28	0.0	330.88	134.50	-2.50	-2.64	0.46	2196.93
		2196.93	-3.23	-3.05e-04	-0.16	142.8	310.31	115.22	-2.66	-2.64	-3.23	2375.25
97	15	965.01	-0.60	-3.68e-04	-14.28	0.0	93.12	48.38	0.43	3.82	-1.22	906.12
		906.12	-1.22	-2.22e-04	0.0	142.8	93.12	34.09	0.43	3.82	-0.60	965.01
97	18	1662.51	0.29	-6.58e-04	-14.28	0.0	231.11	93.72	-1.69	-1.82	0.29	1538.85
		1538.85	-2.20	-2.03e-04	-0.11	142.8	217.40	79.44	-1.80	-1.82	-2.20	1662.51
97	19	1662.49	0.22	-6.60e-04	-14.28	0.0	219.83	93.89	-1.45	-1.82	0.22	1538.61
		1538.61	-1.84	4.06e-06	0.0	142.8	219.83	79.61	-1.45	-1.82	-1.84	1662.49
97	20	790.10	-0.11	-3.15e-04	-14.28	0.0	105.23	40.61	-0.29	-0.65	-0.11	742.30
		742.30	-0.53	1.34e-06	0.0	142.8	105.23	26.32	-0.29	-0.65	-0.53	790.10
97	21	1112.16	-9.98e-03	-3.48e-04	-14.28	0.0	152.74	20.86	-0.79	-1.45	-9.98e-03	1092.56
		1092.56	-1.13	2.73e-06	0.0	142.8	152.74	6.58	-0.79	-1.45	-1.13	1112.16
97	22	1662.51	0.29	-6.58e-04	-14.28	0.0	231.11	93.72	-1.69	-1.82	0.29	1538.85
		1538.85	-2.20	-2.03e-04	-0.11	142.8	217.40	79.44	-1.80	-1.82	-2.20	1662.51
97	24	2374.95	0.58	-9.42e-04	-19.28	0.0	319.98	134.75	-2.03	-2.63	0.58	2196.28
		2196.28	-2.32	8.35e-06	0.0	142.8	319.98	115.47	-2.03	-2.63	-2.32	2374.95
97	28	2375.23	0.35	-9.42e-04	-19.28	0.0	313.96	134.74	-2.12	-2.64	0.35	2196.56
		2196.56	-2.68	5.89e-06	0.0	142.8	313.96	115.46	-2.12	-2.64	-2.68	2375.23
97	29	1662.49	0.22	-6.60e-04	-14.28	0.0	219.83	93.89	-1.45	-1.82	0.22	1538.61
		1538.61	-1.84	4.06e-06	0.0	142.8	219.83	79.61	-1.45	-1.82	-1.84	1662.49
97	30	1665.15	-3.16	-5.69e-04	-14.28	0.0	153.43	64.28	0.20	4.22	-3.16	1585.10
		1585.10	-3.33	-6.57e-03	-0.09	142.8	142.47	50.00	0.11	4.22	-3.33	1665.15
97	38	1661.66	-3.25	-5.62e-04	-14.28	0.0	143.92	61.30	-1.04	3.79	-3.25	1586.27
		1586.27	-4.95	-5.06e-03	-0.09	142.8	132.95	47.02	-1.13	3.79	-4.95	1661.66
97	39	1666.08	-3.66	-5.64e-04	-14.28	0.0	135.61	59.74	-0.55	3.91	-3.66	1589.00
		1589.00	-4.36	3.59e-03	-0.09	142.8	124.65	45.46	-0.64	3.91	-4.36	1666.08
97	40	1721.18	1.52	-5.87e-04	-14.28	0.0	257.52	78.27	0.21	2.93	1.44	1621.55
		1621.55	1.44	-3.94e-03	-0.09	142.8	246.55	63.99	0.12	2.93	1.52	1721.18
97	41	1725.60	2.11	-5.89e-04	-14.28	0.0	249.21	76.72	0.70	3.05	1.03	1624.28
		1624.28	1.03	4.70e-03	-0.09	142.8	238.25	62.44	0.61	3.05	2.11	1725.60
97	62	1676.29	-2.34	-5.72e-04	-14.28	0.0	170.63	66.10	0.06	3.90	-2.34	1593.07
		1593.07	-2.59	-4.13e-03	-0.09	142.8	159.66	51.82	-0.02	3.90	-2.59	1676.29
97	70	1673.43	-2.46	-5.67e-04	-14.28	0.0	163.38	64.17	-0.72	3.65	-2.46	1593.29
		1593.29	-3.64	-3.25e-03	-0.09	142.8	152.42	49.89	-0.81	3.65	-3.64	1673.43
97	71	1676.26	-2.72	-5.68e-04	-14.28	0.0	158.06	63.13	-0.41	3.73	-2.72	1594.99
		1594.99	-3.27	2.20e-03	-0.09	142.8	147.09	48.85	-0.49	3.73	-3.27	1676.26
97	72	1711.00	0.50	-5.83e-04	-14.28	0.0	235.07	74.89	0.06	3.11	0.50	1615.56
		1615.56	0.44	-2.55e-03	-0.09	142.8	224.10	60.61	-0.02	3.11	0.44	1711.00
97	73	1713.83	0.81	-5.84e-04	-14.28	0.0	229.75	73.85	0.38	3.19	0.24	1617.26
		1617.26	0.24	2.90e-03	-0.09	142.8	218.78	59.57	0.29	3.19	0.81	1713.83
97	76	1713.85	0.50	-5.84e-04	-14.28	0.0	230.68	74.82	0.10	3.18	0.47	1617.24
		1617.24	0.47	-1.66e-03	-0.09	142.8	219.71	60.54	0.02	3.18	0.50	1713.85
98	7	742.65	-0.11	-9.25e-04	-14.28	0.0	94.43	78.61	0.07	-0.49	-0.21	640.57
		640.57	-0.21	2.80e-06	0.0	142.8	94.43	64.33	0.07	-0.49	-0.11	742.65
98	13	2199.24	0.46	-2.73e-03	-19.28	0.0	304.52	296.66	0.79	-0.93	-0.56	1789.33
		1789.33	-0.56	-3.03e-04	-0.16	142.8	283.96	277.38	0.63	-0.93	0.46	2199.24
98	15	906.60	-1.03	-1.11e-03	-14.28	0.0	82.45	106.14	-0.13	7.64	-1.03	765.21
		765.21	-1.22	-2.14e-04	0.0	142.8	82.45	91.86	-0.13	7.64	-1.22	906.60
98	18	1540.42	0.29	-1.91e-03	-14.28	0.0	212.46	205.63	0.53	-0.67	-0.39	1256.94
		1256.94	-0.39	-2.02e-04	-0.11	142.8	198.75	191.35	0.43	-0.67	0.29	1540.42
98	19	1539.98	0.22	-1.91e-03	-14.28	0.0	191.36	205.80	0.43	-0.66	-0.39	1256.27
		1256.27	-0.39	5.70e-06	0.0	142.8	191.36	191.51	0.43	-0.66	0.22	1539.98
98	20	742.65	-0.11	-9.25e-04	-14.28	0.0	94.43	78.61	0.07	-0.49	-0.21	640.57
		640.57	-0.21	2.80e-06	0.0	142.8	94.43	64.33	0.07	-0.49	-0.11	742.65
98	21	1092.22	-9.98e-03	-1.24e-03	-14.28	0.0	143.78	68.01	0.19	-1.07	-0.28	1005.28
		1005.28	-0.28	4.52e-06	0.0	142.8	143.78	53.73	0.19	-1.07	-9.98e-03	1092.22
98	22	1540.42	0.29	-1.91e-03	-14.28	0.0	212.46	205.63	0.53	-0.67	-0.39	1256.94
		1256.94	-0.39	-2.02e-04	-0.11	142.8	198.75	191.35	0.43	-0.67	0.29	1540.42
98	24	2198.32	0.58	-2.73e-03	-19.28	0.0	278.52	296.90	0.61	-0.91	-0.30	1788.06
		1788.06	-0.30	8.71e-06	0.0	142.8	278.52	277.62	0.61	-0.91	0.58	2198.32
98	28	2198.58	0.35	-2.73e-03	-19.28	0.0	272.87	296.90	0.63	-0.92	-0.55	1788.33
		1788.33	-0.55	8.13e-06	0.0	142.8	272.87	277.62	0.63	-0.92	0.35	2198.58
98	29	1539.98	0.22	-1.91e-03	-14.28	0.0	191.36	205.80	0.43	-0.66	-0.39	1256.27
		1256.27	-0.39	5.70e-06	0.0	142.8	191.36	191.51	0.43	-0.66	0.22	1539.98
98	30	1584.32	-2.78	-1.86e-03	-14.28	0.0	148.77	178.30	-0.35	10.11	-2.78	1339.25
		1339.25	-3.16	-2.35e-03	-0.09	142.8	137.81	164.01	-0.44	10.11	-3.16	1584.32
98	33	1627.31	0.94	-1.90e-03	-14.28	0.0	221.88	180.96	0.86	6.08	-0.05	1379.71
		1379.71	-0.05	2.01e-03	-0.09	142.8	210.91	166.68	0.78	6.08	0.94	1627.31
98	39	1588.96	-2.59	-1.85e-03	-14.28	0.0	128.51	177.63	-0.59	10.42	-2.59	1345.69
		1345.69	-3.66	-5.97e-04	-0.09	142.8	117.55	163.35	-0.67	10.42	-3.66	1588.96

98	40	1622.67	1.44	-1.91e-03	-14.28	0.0	242.14	181.62	1.10	5.78	-0.24	1373.27
		1373.27	-0.24	2.63e-04	-0.09	142.8	231.17	167.34	1.01	5.78	1.44	1622.67
98	62	1592.83	-2.24	-1.87e-03	-14.28	0.0	163.38	178.75	-0.11	9.31	-2.24	1347.25
		1347.25	-2.34	-1.45e-03	-0.09	142.8	152.41	164.47	-0.20	9.31	-2.34	1592.83
98	65	1618.81	0.12	-1.90e-03	-14.28	0.0	207.27	180.50	0.62	6.89	-0.59	1371.71
		1371.71	-0.59	1.12e-03	-0.09	142.8	196.31	166.22	0.53	6.89	0.12	1618.81
98	71	1595.16	-2.15	-1.86e-03	-14.28	0.0	149.26	178.38	-0.28	9.56	-2.15	1350.77
		1350.77	-2.72	-4.52e-04	-0.09	142.8	138.29	164.10	-0.36	9.56	-2.72	1595.16
98	72	1616.47	0.50	-1.90e-03	-14.28	0.0	221.40	180.88	0.79	6.63	-0.67	1368.19
		1368.19	-0.67	1.18e-04	-0.09	142.8	210.43	166.59	0.70	6.63	0.50	1616.47
99	7	641.58	-0.21	-1.45e-03	-14.28	0.0	76.10	116.64	-3.98e-03	-0.57	-0.21	485.20
		485.20	-0.21	4.24e-06	0.0	142.8	76.10	102.36	-3.98e-03	-0.57	-0.21	641.58
99	13	1794.07	-0.44	-4.21e-03	-19.28	0.0	257.88	356.31	-2.27e-03	-0.44	-0.44	1298.97
		1298.97	-0.56	-3.00e-04	-0.16	142.8	237.32	337.03	-0.16	-0.44	-0.56	1794.07
99	15	765.73	-0.66	-1.74e-03	-14.28	0.0	66.97	143.70	-0.26	10.78	-0.66	570.70
		570.70	-1.03	-2.06e-04	0.0	142.8	66.97	129.42	-0.26	10.78	-1.03	765.73
99	18	1260.20	-0.31	-2.95e-03	-14.28	0.0	179.53	249.21	-1.91e-03	-0.35	-0.31	914.50
		914.50	-0.39	-2.00e-04	-0.11	142.8	165.82	234.92	-0.11	-0.35	-0.39	1260.20
99	19	1259.36	-0.31	-2.95e-03	-14.28	0.0	147.96	249.34	-0.05	-0.35	-0.31	913.46
		913.46	-0.39	7.71e-06	0.0	142.8	147.96	235.06	-0.05	-0.35	-0.39	1259.36
99	20	641.58	-0.21	-1.45e-03	-14.28	0.0	76.10	116.64	-3.98e-03	-0.57	-0.21	485.20
		485.20	-0.21	4.24e-06	0.0	142.8	76.10	102.36	-3.98e-03	-0.57	-0.21	641.58
99	21	1005.17	-0.10	-2.06e-03	-14.28	0.0	125.30	109.16	-0.13	-0.70	-0.10	859.46
		859.46	-0.28	6.02e-06	0.0	142.8	125.30	94.88	-0.13	-0.70	-0.28	1005.17
99	22	1260.20	-0.31	-2.95e-03	-14.28	0.0	179.53	249.21	-1.91e-03	-0.35	-0.31	914.50
		914.50	-0.39	-2.00e-04	-0.11	142.8	165.82	234.92	-0.11	-0.35	-0.39	1260.20
99	25	1411.30	0.10	-2.88e-03	-19.28	0.0	181.15	146.25	-0.16	-0.96	0.10	1216.19
		1216.19	-0.13	7.18e-06	0.0	142.8	181.15	126.97	-0.16	-0.96	-0.13	1411.30
99	28	1792.80	-0.44	-4.21e-03	-19.28	0.0	210.52	356.51	-0.08	-0.44	-0.44	1297.41
		1297.41	-0.55	1.09e-05	0.0	142.8	210.52	337.23	-0.08	-0.44	-0.55	1792.80
99	29	1259.36	-0.31	-2.95e-03	-14.28	0.0	147.96	249.34	-0.05	-0.35	-0.31	913.46
		913.46	-0.39	7.71e-06	0.0	142.8	147.96	235.06	-0.05	-0.35	-0.39	1259.36
99	31	1342.00	-2.58	-2.99e-03	-14.28	0.0	122.83	207.18	0.26	13.70	-3.08	1054.72
		1054.72	-3.08	-2.05e-03	-0.09	142.8	111.86	192.89	0.17	13.70	-2.58	1342.00
99	32	1378.83	0.55	-3.02e-03	-14.28	0.0	203.76	216.50	-0.38	9.07	0.55	1081.43
		1081.43	-0.24	1.74e-03	-0.09	142.8	192.79	202.22	-0.47	9.07	-0.24	1378.83
99	33	1381.67	0.29	-3.06e-03	-14.28	0.0	189.03	217.69	-0.33	9.60	0.29	1079.47
		1079.47	-0.05	2.08e-03	-0.09	142.8	178.06	203.40	-0.41	9.60	-0.05	1381.67
99	35	1339.58	-2.75	-2.96e-03	-14.28	0.0	123.89	207.07	0.25	13.58	-3.04	1054.52
		1054.52	-3.04	-2.13e-03	-0.09	142.8	112.92	192.79	0.16	13.58	-2.75	1339.58
99	39	1345.99	-2.59	-2.98e-03	-14.28	0.0	117.83	208.57	0.18	14.17	-2.97	1056.76
		1056.76	-2.97	-5.13e-04	-0.09	142.8	106.86	194.28	0.10	14.17	-2.59	1345.99
99	40	1374.84	0.44	-3.02e-03	-14.28	0.0	208.76	215.11	-0.30	8.59	0.44	1079.38
		1079.38	-0.24	1.99e-04	-0.09	142.8	197.79	200.83	-0.39	8.59	-0.24	1374.84
99	63	1349.33	-2.12	-2.99e-03	-14.28	0.0	138.22	209.05	0.14	12.81	-2.37	1059.94
		1059.94	-2.37	-1.30e-03	-0.09	142.8	127.25	194.77	0.05	12.81	-2.12	1349.33
99	64	1371.50	-0.17	-3.01e-03	-14.28	0.0	188.37	214.63	-0.25	9.96	-0.17	1076.20
		1076.20	-0.71	9.84e-04	-0.09	142.8	177.40	200.35	-0.34	9.96	-0.71	1371.50
99	65	1373.26	-0.33	-3.04e-03	-14.28	0.0	178.75	215.36	-0.22	10.30	-0.33	1074.93
		1074.93	-0.59	1.17e-03	-0.09	142.8	167.78	201.08	-0.31	10.30	-0.59	1373.26
99	67	1347.80	-2.22	-2.98e-03	-14.28	0.0	138.89	208.99	0.13	12.73	-2.34	1059.80
		1059.80	-2.34	-1.34e-03	-0.09	142.8	127.93	194.71	0.04	12.73	-2.22	1347.80
99	71	1351.30	-2.15	-2.99e-03	-14.28	0.0	134.37	209.77	0.09	13.15	-2.34	1060.91
		1060.91	-2.34	-3.93e-04	-0.09	142.8	123.40	195.49	7.77e-03	13.15	-2.15	1351.30
99	72	1369.53	-0.19	-3.02e-03	-14.28	0.0	192.22	213.91	-0.21	9.61	-0.19	1075.23
		1075.23	-0.67	7.83e-05	-0.09	142.8	181.26	199.63	-0.30	9.61	-0.67	1369.53
100	7	486.52	-0.04	-1.85e-03	-14.28	0.0	50.58	154.82	-0.12	-0.72	-0.04	275.61
		275.61	-0.21	5.57e-06	0.0	142.8	50.58	140.54	-0.12	-0.72	-0.21	486.52
100	13	1303.60	-0.19	-5.27e-03	-19.28	0.0	200.81	422.47	-0.09	-0.28	-0.19	714.01
		714.01	-0.44	-2.97e-04	-0.16	142.8	180.24	403.19	-0.25	-0.28	-0.44	1303.60
100	15	571.95	-0.66	-2.21e-03	-14.28	0.0	47.14	179.31	0.36	12.75	-1.17	326.06
		326.06	-1.17	-2.00e-04	0.0	142.8	47.14	165.03	0.36	12.75	-0.66	571.95
100	18	917.72	-0.13	-3.70e-03	-14.28	0.0	138.93	297.13	-0.07	-0.26	-0.13	503.57
		503.57	-0.31	-1.98e-04	-0.11	142.8	125.22	282.85	-0.18	-0.26	-0.31	917.72
100	19	916.70	-0.09	-3.70e-03	-14.28	0.0	94.88	297.61	-0.16	-0.26	-0.09	501.87
		501.87	-0.31	9.84e-06	0.0	142.8	94.88	283.33	-0.16	-0.26	-0.31	916.70
100	20	486.52	-0.04	-1.85e-03	-14.28	0.0	50.58	154.82	-0.12	-0.72	-0.04	275.61
		275.61	-0.21	5.57e-06	0.0	142.8	50.58	140.54	-0.12	-0.72	-0.21	486.52
100	21	859.65	0.21	-2.76e-03	-14.28	0.0	92.93	195.37	-0.22	0.39	0.21	590.83
		590.83	-0.10	6.58e-06	0.0	142.8	92.93	181.09	-0.22	0.39	-0.10	859.65
100	22	917.72	-0.13	-3.70e-03	-14.28	0.0	138.93	297.13	-0.07	-0.26	-0.13	503.57
		503.57	-0.31	-1.98e-04	-0.11	142.8	125.22	282.85	-0.18	-0.26	-0.31	917.72
100	25	1216.36	0.60	-3.86e-03	-19.28	0.0	134.72	269.85	-0.35	0.72	0.60	844.74
		844.74	0.10	6.09e-06	0.0	142.8	134.72	250.57	-0.35	0.72	0.10	1216.36
100	27	916.70	-0.09	-3.70e-03	-14.28	0.0	94.88	297.61	-0.16	-0.26	-0.09	501.87
		501.87	-0.31	9.84e-06	0.0	142.8	94.88	283.33	-0.16	-0.26	-0.31	916.70
100	28	1302.07	-0.13	-5.27e-03	-19.28	0.0	134.73	423.19	-0.22	-0.28	-0.13	711.46

		711.46	-0.44	1.39e-05	0.0	142.8	134.73	403.91	-0.22	-0.28	-0.44	1302.07
100	29	916.70	-0.09	-3.70e-03	-14.28	0.0	94.88	297.61	-0.16	-0.26	-0.09	501.87
		501.87	-0.31	9.84e-06	0.0	142.8	94.88	283.33	-0.16	-0.26	-0.31	916.70
100	31	1056.89	-3.08	-3.83e-03	-14.28	0.0	102.83	270.38	1.59	15.19	-5.26	682.22
		682.22	-5.26	-1.99e-03	-0.09	142.8	91.87	256.10	1.50	15.19	-3.08	1056.89
100	32	1082.25	0.84	-3.93e-03	-14.28	0.0	164.39	290.33	-0.18	12.33	0.84	676.53
		676.53	0.55	1.69e-03	-0.09	142.8	153.42	276.05	-0.27	12.33	0.55	1082.25
100	36	1082.40	0.78	-3.93e-03	-14.28	0.0	163.49	290.48	-0.16	12.45	0.78	677.13
		677.13	0.51	1.78e-03	-0.09	142.8	152.53	276.20	-0.25	12.45	0.51	1082.40
100	51	1063.56	-2.17	-3.85e-03	-14.28	0.0	93.68	281.06	0.93	15.31	-3.38	675.86
		675.86	-3.38	4.45e-04	-0.09	142.8	82.71	266.77	0.85	15.31	-2.17	1063.56
100	52	1075.58	-0.37	-3.90e-03	-14.28	0.0	173.55	279.65	0.47	12.21	-1.04	682.90
		682.90	-1.04	-7.38e-04	-0.09	142.8	162.58	265.37	0.39	12.21	-0.37	1075.58
100	57	1069.56	-1.06	-3.88e-03	-14.28	0.0	109.89	286.43	0.57	13.98	-1.77	671.88
		671.88	-1.77	9.30e-04	-0.09	142.8	98.93	272.15	0.48	13.98	-1.06	1069.56
100	63	1061.86	-2.37	-3.85e-03	-14.28	0.0	114.15	274.37	1.24	14.68	-4.06	681.02
		681.02	-4.06	-1.25e-03	-0.09	142.8	103.18	260.09	1.15	14.68	-2.37	1061.86
100	64	1077.28	-0.17	-3.91e-03	-14.28	0.0	153.08	286.34	0.17	12.83	-0.36	677.73
		677.73	-0.36	9.57e-04	-0.09	142.8	142.11	272.06	0.08	12.83	-0.17	1077.28
100	68	1077.39	-0.19	-3.91e-03	-14.28	0.0	152.54	286.42	0.18	12.91	-0.40	678.13
		678.13	-0.40	1.01e-03	-0.09	142.8	141.57	272.14	0.09	12.91	-0.19	1077.39
100	83	1065.73	-1.84	-3.86e-03	-14.28	0.0	107.87	280.73	0.85	14.77	-2.95	677.15
		677.15	-2.95	1.88e-04	-0.09	142.8	96.90	266.44	0.76	14.77	-1.84	1065.73
100	84	1073.41	-0.70	-3.89e-03	-14.28	0.0	159.35	279.98	0.56	12.75	-1.47	681.60
		681.60	-1.47	-4.81e-04	-0.09	142.8	148.39	265.70	0.47	12.75	-0.70	1073.41
100	89	1069.37	-1.15	-3.88e-03	-14.28	0.0	118.01	284.05	0.63	13.92	-1.96	674.62
		674.62	-1.96	4.88e-04	-0.09	142.8	107.04	269.77	0.54	13.92	-1.15	1069.37
101	7	78.92	-0.16	-1.45e-03	-10.84	0.0	-19.66	19.66	-0.01	-0.52	-0.16	57.46
		57.46	-0.17	4.64e-06	0.0	144.5	-19.66	8.82	-0.01	-0.52	-0.17	78.92
101	13	215.79	-0.40	-4.18e-03	-14.63	0.0	-34.71	51.46	-0.10	-3.40	-0.40	148.86
		148.86	-0.54	-3.01e-04	0.0	144.5	-34.71	36.83	-0.10	-3.40	-0.54	215.79
101	15	149.31	-3.20	-2.66e-03	-10.84	0.0	11.59	48.63	-3.06	56.03	-3.20	94.05
		94.05	-7.62	-1.85e-04	0.0	144.5	11.59	37.79	-3.06	56.03	-7.62	149.31
101	18	151.75	-0.28	-2.93e-03	-10.84	0.0	-25.11	36.28	-0.07	-2.32	-0.28	104.98
		104.98	-0.38	-2.00e-04	0.0	144.5	-25.11	25.44	-0.07	-2.32	-0.38	151.75
101	19	151.62	-0.35	-2.93e-03	-10.84	0.0	-36.41	36.27	-0.04	-2.30	-0.35	104.88
		104.88	-0.41	9.30e-06	0.0	144.5	-36.41	25.43	-0.04	-2.30	-0.41	151.62
101	20	78.92	-0.16	-1.45e-03	-10.84	0.0	-19.66	19.66	-0.01	-0.52	-0.16	57.46
		57.46	-0.17	4.64e-06	0.0	144.5	-19.66	8.82	-0.01	-0.52	-0.17	78.92
101	21	122.56	-0.31	-2.14e-03	-10.84	0.0	-32.83	24.21	7.10e-03	0.73	-0.32	94.66
		94.66	-0.32	6.31e-06	0.0	144.5	-32.83	13.37	7.10e-03	0.73	-0.31	122.56
101	22	151.75	-0.28	-2.93e-03	-10.84	0.0	-25.11	36.28	-0.07	-2.32	-0.28	104.98
		104.98	-0.38	-2.00e-04	0.0	144.5	-25.11	25.44	-0.07	-2.32	-0.38	151.75
101	24	215.62	1.51	-4.18e-03	-14.63	0.0	-62.17	51.47	6.01	-3.35	-0.64	148.69
		148.69	-0.73	1.21e-05	-12.14	144.5	-62.07	36.84	-6.13	-3.35	-0.73	215.62
101	25	172.03	1.60	-2.99e-03	-14.63	0.0	-56.81	33.38	6.08	1.20	-0.60	133.37
		133.37	-0.60	7.64e-06	-12.14	144.5	-56.71	18.75	-6.06	1.20	-0.58	172.03
101	27	151.62	-0.35	-2.93e-03	-10.84	0.0	-36.41	36.27	-0.04	-2.30	-0.35	104.88
		104.88	-0.41	9.30e-06	0.0	144.5	-36.41	25.43	-0.04	-2.30	-0.41	151.62
101	28	215.60	-0.51	-4.18e-03	-14.63	0.0	-51.66	51.45	-0.06	-3.37	-0.51	148.70
		148.70	-0.59	1.33e-05	0.0	144.5	-51.66	36.82	-0.06	-3.37	-0.59	215.60
101	29	151.62	-0.35	-2.93e-03	-10.84	0.0	-36.41	36.27	-0.04	-2.30	-0.35	104.88
		104.88	-0.41	9.30e-06	0.0	144.5	-36.41	25.43	-0.04	-2.30	-0.41	151.62
101	30	230.58	-8.66	-3.98e-03	-10.84	0.0	87.80	46.67	3.43	16.67	-10.02	173.43
		173.43	-10.02	-2.42e-03	-6.47	144.5	87.85	35.83	-3.04	16.67	-9.65	230.58
101	33	205.64	-6.27	-3.78e-03	-10.84	0.0	-60.14	45.68	2.44	8.48	-6.90	146.11
		146.11	-8.14	2.12e-03	-6.47	144.5	-60.09	34.84	-4.03	8.48	-8.14	205.64
101	37	205.64	-6.29	-3.79e-03	-10.84	0.0	-61.20	45.61	2.45	8.16	-6.94	145.93
		145.93	-8.13	2.05e-03	-6.47	144.5	-61.15	34.78	-4.03	8.16	-8.13	205.64
101	39	227.84	-8.49	-4.01e-03	-10.84	0.0	107.67	48.02	3.31	18.84	-9.66	167.26
		167.26	-9.66	-5.00e-04	-6.47	144.5	107.72	37.18	-3.16	18.84	-9.65	227.84
101	40	208.38	-6.50	-3.75e-03	-10.84	0.0	-80.01	44.33	2.56	6.31	-7.27	152.28
		152.28	-8.14	2.08e-04	-6.47	144.5	-79.96	33.49	-3.91	6.31	-8.14	208.38
101	63	224.57	-8.18	-3.93e-03	-10.84	0.0	66.91	47.38	3.17	17.50	-9.27	166.24
		166.24	-9.43	-1.30e-03	-6.47	144.5	66.96	36.55	-3.30	17.50	-9.43	224.57
101	65	210.60	-6.77	-3.82e-03	-10.84	0.0	-30.67	45.81	2.64	9.82	-7.52	151.57
		151.57	-8.44	1.20e-03	-6.47	144.5	-30.62	34.98	-3.84	9.82	-8.44	210.60
101	66	225.62	-8.20	-3.94e-03	-10.84	0.0	58.91	46.57	3.23	15.54	-9.38	168.11
		168.11	-9.38	-1.45e-03	-6.47	144.5	58.96	35.73	-3.24	15.54	-9.36	225.62
101	69	210.60	-6.78	-3.83e-03	-10.84	0.0	-31.25	45.78	2.64	9.61	-7.54	151.43
		151.43	-8.43	1.16e-03	-6.47	144.5	-31.20	34.94	-3.83	9.61	-8.43	210.60
101	71	224.26	-8.13	-3.96e-03	-10.84	0.0	73.12	47.36	3.17	16.59	-9.22	164.50
		164.50	-9.37	-3.80e-04	-6.47	144.5	73.17	36.52	-3.30	16.59	-9.37	224.26
101	72	211.96	-6.87	-3.80e-03	-10.84	0.0	-45.46	44.99	2.70	8.56	-7.71	155.04
		155.04	-8.42	8.85e-05	-6.47	144.5	-45.41	34.15	-3.77	8.56	-8.42	211.96
102	2	395.45	0.0	3.33e-03	-19.35	0.0	31.57	-266.22	0.44	0.0	-0.63	395.45
		0.0	-0.63	-1.41e-05	0.0	143.3	31.57	-285.57	0.44	0.0	0.0	0.0

102	6	699.80	0.0	5.86e-03	-19.35	0.0	50.34	-478.55	0.72	0.0	-1.03	699.80
		0.0	-1.03	-2.39e-05	0.0	143.3	50.34	-497.90	0.72	0.0	0.0	0.0
102	13	697.45	0.0	5.85e-03	-19.35	0.0	-22.02	-476.91	0.88	0.0	-1.06	697.45
		0.0	-1.06	-3.36e-04	-0.27	143.3	-56.42	-496.26	0.60	0.0	0.0	0.0
102	14	521.50	0.0	4.22e-03	-19.35	0.0	-34.94	-354.16	0.62	0.0	-0.70	521.50
		0.0	-0.70	-3.27e-04	-0.27	143.3	-69.34	-373.51	0.35	0.0	0.0	0.0
102	18	491.45	0.0	4.11e-03	-14.33	0.0	-12.60	-335.71	0.61	0.0	-0.75	491.45
		0.0	-0.75	-2.25e-04	-0.18	143.3	-35.53	-350.04	0.43	0.0	0.0	0.0
102	19	493.02	0.0	4.11e-03	-14.33	0.0	35.64	-336.80	0.51	0.0	-0.73	493.02
		0.0	-0.73	-1.68e-05	0.0	143.3	35.64	-351.13	0.51	0.0	0.0	0.0
102	20	264.89	0.0	2.06e-03	-14.33	0.0	20.80	-177.64	0.27	0.0	-0.39	264.89
		0.0	-0.39	-8.25e-06	0.0	143.3	20.80	-191.97	0.27	0.0	0.0	0.0
102	21	375.72	0.0	3.02e-03	-14.33	0.0	27.02	-254.96	0.34	0.0	-0.48	375.72
		0.0	-0.48	-1.10e-05	0.0	143.3	27.02	-269.30	0.34	0.0	0.0	0.0
102	22	491.45	0.0	4.11e-03	-14.33	0.0	-12.60	-335.71	0.61	0.0	-0.75	491.45
		0.0	-0.75	-2.25e-04	-0.18	143.3	-35.53	-350.04	0.43	0.0	0.0	0.0
102	24	699.73	0.0	5.86e-03	-19.35	0.0	50.40	-478.50	0.49	0.0	-0.71	699.73
		0.0	-0.71	-1.17e-05	0.0	143.3	50.40	-497.85	0.49	0.0	0.0	0.0
102	27	493.02	0.0	4.11e-03	-14.33	0.0	35.64	-336.80	0.51	0.0	-0.73	493.02
		0.0	-0.73	-1.68e-05	0.0	143.3	35.64	-351.13	0.51	0.0	0.0	0.0
102	28	699.80	0.0	5.86e-03	-19.35	0.0	50.34	-478.55	0.72	0.0	-1.03	699.80
		0.0	-1.03	-2.39e-05	0.0	143.3	50.34	-497.90	0.72	0.0	0.0	0.0
102	29	493.02	0.0	4.11e-03	-14.33	0.0	35.64	-336.80	0.51	0.0	-0.73	493.02
		0.0	-0.73	-1.68e-05	0.0	143.3	35.64	-351.13	0.51	0.0	0.0	0.0
102	38	415.70	0.0	4.60e-03	-14.33	0.0	-13.08	-282.86	3.61	0.0	-5.07	415.70
		0.0	-5.07	-1.12e-03	-0.15	143.3	-31.42	-297.19	3.46	0.0	0.0	0.0
102	41	486.28	0.0	4.61e-03	-14.33	0.0	12.40	-332.10	0.56	0.0	-0.70	486.28
		0.0	-0.70	6.56e-04	-0.15	143.3	-5.94	-346.43	0.42	0.0	0.0	0.0
102	48	446.71	0.0	4.59e-03	-14.33	0.0	-66.02	-304.49	2.30	0.0	-3.20	446.71
		0.0	-3.20	-5.19e-04	-0.15	143.3	-84.37	-318.82	2.16	0.0	0.0	0.0
102	55	452.61	0.0	4.60e-03	-14.33	0.0	66.53	-308.60	2.01	0.0	-2.77	452.61
		0.0	-2.77	-2.02e-04	-0.15	143.3	48.19	-322.94	1.86	0.0	0.0	0.0
102	56	449.38	0.0	4.61e-03	-14.33	0.0	-67.21	-306.35	2.16	0.0	-2.99	449.38
		0.0	-2.99	-2.64e-04	-0.15	143.3	-85.55	-320.68	2.02	0.0	0.0	0.0
102	70	428.60	0.0	4.60e-03	-14.33	0.0	-8.42	-291.86	3.05	0.0	-4.27	428.60
		0.0	-4.27	-7.99e-04	-0.15	143.3	-26.77	-306.19	2.91	0.0	0.0	0.0
102	73	473.38	0.0	4.61e-03	-14.33	0.0	7.75	-323.10	1.12	0.0	-1.49	473.38
		0.0	-1.49	3.32e-04	-0.15	143.3	-10.60	-337.43	0.97	0.0	0.0	0.0
102	80	447.84	0.0	4.60e-03	-14.33	0.0	-42.29	-305.28	2.24	0.0	-3.11	447.84
		0.0	-3.11	-4.73e-04	-0.15	143.3	-60.64	-319.61	2.10	0.0	0.0	0.0
102	87	452.33	0.0	4.60e-03	-14.33	0.0	42.80	-308.41	2.02	0.0	-2.79	452.33
		0.0	-2.79	-1.59e-04	-0.15	143.3	24.46	-322.74	1.87	0.0	0.0	0.0
102	88	449.66	0.0	4.61e-03	-14.33	0.0	-43.48	-306.55	2.15	0.0	-2.97	449.66
		0.0	-2.97	-3.08e-04	-0.15	143.3	-61.82	-320.88	2.00	0.0	0.0	0.0
103	6	1291.51	-0.52	5.29e-03	-19.35	0.0	150.91	-406.96	-0.36	1.46	-0.52	1291.51
		694.32	-1.03	-1.81e-05	0.0	143.3	150.91	-426.31	-0.36	1.46	-1.03	694.32
103	7	475.50	-0.17	1.85e-03	-14.33	0.0	55.51	-140.93	-0.15	0.15	-0.17	475.50
		263.22	-0.39	-6.11e-06	0.0	143.3	55.51	-155.27	-0.15	0.15	-0.39	263.22
103	13	1289.44	-0.62	5.29e-03	-19.35	0.0	111.57	-407.19	-0.17	1.47	-0.62	1289.44
		691.92	-1.06	-3.30e-04	-0.27	143.3	77.17	-426.54	-0.44	1.47	-1.06	691.92
103	14	936.78	-0.47	3.80e-03	-19.35	0.0	70.40	-282.84	-0.02	-0.35	-0.47	936.78
		517.50	-0.70	-3.24e-04	-0.27	143.3	36.00	-302.19	-0.29	-0.35	-0.70	517.50
103	15	603.42	-0.11	2.60e-03	-14.33	0.0	80.12	-192.96	0.26	-11.29	-0.48	603.42
		316.56	-0.48	-2.47e-04	0.0	143.3	80.12	-207.30	0.26	-11.29	-0.11	316.56
103	18	907.17	-0.43	3.71e-03	-14.33	0.0	79.93	-285.56	-0.13	0.99	-0.43	907.17
		487.60	-0.75	-2.21e-04	-0.18	143.3	57.00	-299.89	-0.31	0.99	-0.75	487.60
103	19	908.56	-0.36	3.71e-03	-14.33	0.0	106.15	-285.40	-0.25	0.99	-0.36	908.56
		489.20	-0.73	-1.27e-05	0.0	143.3	106.15	-299.74	-0.25	0.99	-0.73	489.20
103	20	475.50	-0.17	1.85e-03	-14.33	0.0	55.51	-140.93	-0.15	0.15	-0.17	475.50
		263.22	-0.39	-6.11e-06	0.0	143.3	55.51	-155.27	-0.15	0.15	-0.39	263.22
103	21	673.45	-0.27	2.72e-03	-14.33	0.0	78.71	-202.50	-0.15	-0.22	-0.27	673.45
		372.92	-0.48	-8.23e-06	0.0	143.3	78.71	-216.84	-0.15	-0.22	-0.48	372.92
103	22	907.17	-0.43	3.71e-03	-14.33	0.0	79.93	-285.56	-0.13	0.99	-0.43	907.17
		487.60	-0.75	-2.21e-04	-0.18	143.3	57.00	-299.89	-0.31	0.99	-0.75	487.60
103	27	908.56	-0.36	3.71e-03	-14.33	0.0	106.15	-285.40	-0.25	0.99	-0.36	908.56
		489.20	-0.73	-1.27e-05	0.0	143.3	106.15	-299.74	-0.25	0.99	-0.73	489.20
103	28	1291.51	-0.52	5.29e-03	-19.35	0.0	150.91	-406.96	-0.36	1.46	-0.52	1291.51
		694.32	-1.03	-1.81e-05	0.0	143.3	150.91	-426.31	-0.36	1.46	-1.03	694.32
103	29	908.56	-0.36	3.71e-03	-14.33	0.0	106.15	-285.40	-0.25	0.99	-0.36	908.56
		489.20	-0.73	-1.27e-05	0.0	143.3	106.15	-299.74	-0.25	0.99	-0.73	489.20
103	38	870.70	-2.43	4.23e-03	-14.33	0.0	81.42	-314.99	-1.57	-17.12	-2.43	870.70
		406.25	-5.07	-1.06e-03	-0.15	143.3	63.08	-329.33	-1.72	-17.12	-5.07	406.25
103	41	938.83	-0.60	4.23e-03	-14.33	0.0	101.00	-308.20	-0.19	-8.99	-0.60	938.83
		489.49	-0.70	6.23e-04	-0.15	143.3	82.66	-322.53	-0.34	-8.99	-0.70	489.49
103	55	906.48	-1.35	4.24e-03	-14.33	0.0	151.37	-315.20	-1.34	-15.60	-1.35	906.48
		450.41	-2.77	-2.75e-04	-0.15	143.3	133.03	-329.54	-1.49	-15.60	-2.77	450.41
103	56	903.05	-1.67	4.22e-03	-14.33	0.0	31.05	-307.99	-0.42	-10.51	-1.67	903.05

		445.32	-2.99	-1.59e-04	-0.15	143.3	12.71	-322.33	-0.57	-10.51	-2.99	445.32
103	70	883.14	-2.09	4.23e-03	-14.33	0.0	85.07	-313.73	-1.31	-15.61	-2.09	883.14
		421.39	-4.27	-7.54e-04	-0.15	143.3	66.72	-328.06	-1.46	-15.61	-4.27	421.39
103	73	926.39	-0.94	4.23e-03	-14.33	0.0	97.36	-309.47	-0.45	-10.50	-0.94	926.39
		474.34	-1.49	3.20e-04	-0.15	143.3	79.01	-323.80	-0.60	-10.50	-1.49	474.34
103	87	906.19	-1.41	4.24e-03	-14.33	0.0	130.14	-313.94	-1.19	-14.70	-1.41	906.19
		449.93	-2.79	-1.96e-04	-0.15	143.3	111.79	-328.28	-1.34	-14.70	-2.79	449.93
103	88	903.34	-1.62	4.22e-03	-14.33	0.0	52.29	-309.25	-0.58	-11.41	-1.62	903.34
		445.81	-2.97	-2.38e-04	-0.15	143.3	33.94	-323.59	-0.72	-11.41	-2.97	445.81
104	6	1778.20	-0.52	4.22e-03	-19.35	0.0	237.03	-333.44	0.11	1.33	-0.67	1778.20
		1286.40	-0.67	-1.34e-05	0.0	143.3	237.03	-352.79	0.11	1.33	-0.52	1286.40
104	7	631.96	-0.17	1.46e-03	-14.33	0.0	84.76	-103.07	0.03	0.20	-0.22	631.96
		473.95	-0.22	-4.50e-06	0.0	143.3	84.76	-117.40	0.03	0.20	-0.17	473.95
104	13	1776.41	-0.60	4.22e-03	-19.35	0.0	216.50	-333.18	0.20	1.33	-0.71	1776.41
		1284.98	-0.71	-3.25e-04	-0.27	143.3	182.10	-352.53	-0.07	1.33	-0.62	1284.98
104	18	1247.47	-0.42	2.96e-03	-14.33	0.0	152.81	-232.42	0.14	0.91	-0.49	1247.47
		904.05	-0.49	-2.17e-04	-0.18	143.3	129.88	-246.76	-0.05	0.91	-0.43	904.05
104	19	1248.66	-0.36	2.96e-03	-14.33	0.0	166.50	-232.60	0.07	0.91	-0.47	1248.66
		905.00	-0.47	-9.37e-06	0.0	143.3	166.50	-246.93	0.07	0.91	-0.36	905.00
104	20	631.96	-0.17	1.46e-03	-14.33	0.0	84.76	-103.07	0.03	0.20	-0.22	631.96
		473.95	-0.22	-4.50e-06	0.0	143.3	84.76	-117.40	0.03	0.20	-0.17	473.95
104	21	894.29	-0.27	2.16e-03	-14.33	0.0	120.68	-148.60	0.01	-0.19	-0.29	894.29
		671.03	-0.29	-5.93e-06	0.0	143.3	120.68	-162.93	0.01	-0.19	-0.27	671.03
104	22	1247.47	-0.42	2.96e-03	-14.33	0.0	152.81	-232.42	0.14	0.91	-0.49	1247.47
		904.05	-0.49	-2.17e-04	-0.18	143.3	129.88	-246.76	-0.05	0.91	-0.43	904.05
104	25	1246.56	-0.14	3.03e-03	-19.35	0.0	166.98	-207.41	-8.72e-03	-0.33	-0.14	1246.56
		935.41	-0.15	0.0	0.0	143.3	166.98	-226.76	-8.72e-03	-0.33	-0.15	935.41
104	27	1248.66	-0.36	2.96e-03	-14.33	0.0	166.50	-232.60	0.07	0.91	-0.47	1248.66
		905.00	-0.47	-9.37e-06	0.0	143.3	166.50	-246.93	0.07	0.91	-0.36	905.00
104	28	1778.20	-0.52	4.22e-03	-19.35	0.0	237.03	-333.44	0.11	1.33	-0.67	1778.20
		1286.40	-0.67	-1.34e-05	0.0	143.3	237.03	-352.79	0.11	1.33	-0.52	1286.40
104	29	1248.66	-0.36	2.96e-03	-14.33	0.0	166.50	-232.60	0.07	0.91	-0.47	1248.66
		905.00	-0.47	-9.37e-06	0.0	143.3	166.50	-246.93	0.07	0.91	-0.36	905.00
104	38	1315.61	-2.43	3.54e-03	-14.33	0.0	179.98	-301.34	0.22	-15.65	-2.73	1315.61
		871.31	-2.73	-9.85e-04	-0.15	143.3	161.64	-315.67	0.08	-15.65	-2.43	871.31
104	41	1344.75	0.09	3.42e-03	-14.33	0.0	175.87	-280.53	-0.34	-9.31	0.09	1344.75
		934.48	-0.60	5.76e-04	-0.15	143.3	157.52	-294.87	-0.49	-9.31	-0.60	934.48
104	59	1332.49	-1.44	3.49e-03	-14.33	0.0	231.77	-298.61	0.24	-14.41	-1.52	1332.49
		900.10	-1.52	6.18e-05	-0.15	143.3	213.42	-312.94	0.09	-14.41	-1.44	900.10
104	60	1327.87	-1.12	3.46e-03	-14.33	0.0	124.08	-283.26	-0.36	-10.55	-1.12	1327.87
		905.69	-1.59	-4.71e-04	-0.15	143.3	105.73	-297.60	-0.50	-10.55	-1.59	905.69
104	70	1320.98	-2.09	3.52e-03	-14.33	0.0	179.25	-297.45	0.12	-14.47	-2.21	1320.98
		882.85	-2.21	-7.07e-04	-0.15	143.3	160.90	-311.79	-0.03	-14.47	-2.09	882.85
104	73	1339.38	-0.43	3.44e-03	-14.33	0.0	176.60	-284.41	-0.24	-10.49	-0.43	1339.38
		922.94	-0.94	2.98e-04	-0.15	143.3	158.26	-298.75	-0.38	-10.49	-0.94	922.94
104	87	1332.97	-1.35	3.48e-03	-14.33	0.0	212.84	-294.94	0.12	-13.54	-1.36	1332.97
		904.33	-1.41	-2.50e-04	-0.15	143.3	194.49	-309.27	-0.03	-13.54	-1.41	904.33
104	88	1327.38	-1.28	3.47e-03	-14.33	0.0	143.01	-286.93	-0.24	-11.42	-1.28	1327.38
		901.46	-1.62	-1.59e-04	-0.15	143.3	124.67	-301.26	-0.38	-11.42	-1.62	901.46
105	7	89.94	-0.17	-9.17e-04	-10.84	0.0	-32.37	13.08	-0.07	-0.71	-0.17	78.26
		78.26	-0.27	2.74e-06	0.0	144.5	-32.37	2.24	-0.07	-0.71	-0.27	89.94
105	13	260.61	-0.53	-2.70e-03	-14.63	0.0	-78.72	37.74	-0.17	-2.98	-0.53	214.05
		214.05	-0.77	-3.07e-04	0.0	144.5	-78.72	23.10	-0.17	-2.98	-0.77	260.61
105	15	182.65	-10.41	-1.66e-03	-10.84	0.0	12.90	34.00	-0.76	30.72	-10.41	145.25
		145.25	-11.51	-2.03e-04	0.0	144.5	12.90	23.16	-0.76	30.72	-11.51	182.65
105	18	182.74	-0.37	-1.89e-03	-10.84	0.0	-55.72	26.47	-0.12	-2.06	-0.37	150.53
		150.53	-0.54	-2.04e-04	0.0	144.5	-55.72	15.63	-0.12	-2.06	-0.54	182.74
105	19	182.66	-0.41	-1.89e-03	-10.84	0.0	-63.69	26.50	-0.10	-2.05	-0.41	150.41
		150.41	-0.55	5.14e-06	0.0	144.5	-63.69	15.66	-0.10	-2.05	-0.55	182.66
105	20	89.94	-0.17	-9.17e-04	-10.84	0.0	-32.37	13.08	-0.07	-0.71	-0.17	78.26
		78.26	-0.27	2.74e-06	0.0	144.5	-32.37	2.24	-0.07	-0.71	-0.27	89.94
105	21	135.54	-0.31	-1.30e-03	-10.84	0.0	-50.71	14.95	-0.04	1.06	-0.31	121.43
		121.43	-0.37	3.09e-06	0.0	144.5	-50.71	4.11	-0.04	1.06	-0.37	135.54
105	22	182.74	-0.37	-1.89e-03	-10.84	0.0	-55.72	26.47	-0.12	-2.06	-0.37	150.53
		150.53	-0.54	-2.04e-04	0.0	144.5	-55.72	15.63	-0.12	-2.06	-0.54	182.74
105	24	260.53	1.38	-2.70e-03	-14.63	0.0	-103.60	37.79	5.95	-2.96	-0.72	213.89
		213.89	-0.90	8.13e-06	-12.14	144.5	-103.51	23.16	-6.19	-2.96	-0.90	260.53
105	25	189.85	1.58	-1.81e-03	-14.63	0.0	-84.13	20.47	6.04	1.71	-0.59	170.42
		170.42	-0.63	5.05e-06	-12.14	144.5	-84.04	5.84	-6.10	1.71	-0.63	189.85
105	27	182.66	-0.41	-1.89e-03	-10.84	0.0	-63.69	26.50	-0.10	-2.05	-0.41	150.41
		150.41	-0.55	5.14e-06	0.0	144.5	-63.69	15.66	-0.10	-2.05	-0.55	182.66
105	28	260.50	-0.58	-2.70e-03	-14.63	0.0	-90.68	37.78	-0.14	-2.98	-0.58	213.87
		213.87	-0.78	7.30e-06	0.0	144.5	-90.68	23.15	-0.14	-2.98	-0.78	260.50
105	29	182.66	-0.41	-1.89e-03	-10.84	0.0	-63.69	26.50	-0.10	-2.05	-0.41	150.41
		150.41	-0.55	5.14e-06	0.0	144.5	-63.69	15.66	-0.10	-2.05	-0.55	182.66
105	37	245.51	-6.81	-2.39e-03	-10.84	0.0	-98.74	36.12	3.85	14.83	-8.38	201.56
		201.56	-8.38	1.99e-03	-6.47	144.5	-98.69	25.28	-2.62	14.83	-7.64	245.51

105	38	263.25	-9.27	-2.48e-03	-10.84	0.0	112.86	29.89	1.66	4.88	-9.63	227.97
		227.97	-11.70	-8.15e-04	-6.47	144.5	112.91	19.05	-4.82	4.88	-11.70	263.25
105	39	264.84	-9.46	-2.46e-03	-10.84	0.0	96.71	32.23	1.82	8.26	-9.77	224.93
		224.93	-12.03	-5.88e-04	-6.47	144.5	96.76	21.39	-4.66	8.26	-12.03	264.84
105	40	244.67	-6.44	-2.34e-03	-10.84	0.0	-112.48	31.53	3.67	1.60	-8.06	207.25
		207.25	-8.06	2.69e-04	-6.47	144.5	-112.43	20.69	-2.80	1.60	-7.23	244.67
105	41	246.26	-6.69	-2.33e-03	-10.84	0.0	-128.62	33.87	3.83	4.99	-8.21	204.20
		204.20	-8.21	4.95e-04	-6.47	144.5	-128.57	23.03	-2.64	4.99	-7.56	246.26
105	69	249.14	-7.34	-2.40e-03	-10.84	0.0	-62.52	34.49	3.41	11.19	-8.59	207.33
		207.33	-8.59	1.11e-03	-6.47	144.5	-62.47	23.65	-3.06	11.19	-8.43	249.14
105	70	260.10	-8.85	-2.45e-03	-10.84	0.0	68.34	30.63	2.06	4.88	-9.36	223.54
		223.54	-10.93	-5.49e-04	-6.47	144.5	68.39	19.79	-4.41	4.88	-10.93	260.10
105	71	261.13	-8.98	-2.44e-03	-10.84	0.0	58.09	32.12	2.16	7.10	-9.46	221.67
		221.67	-11.15	-4.44e-04	-6.47	144.5	58.14	21.28	-4.32	7.10	-11.15	261.13
105	72	248.38	-7.07	-2.37e-03	-10.84	0.0	-73.86	31.64	3.33	2.77	-8.38	210.50
		210.50	-8.38	1.25e-04	-6.47	144.5	-73.81	20.80	-3.15	2.77	-8.11	248.38
105	73	249.41	-7.23	-2.35e-03	-10.84	0.0	-84.11	33.13	3.43	4.99	-8.47	208.64
		208.64	-8.47	2.30e-04	-6.47	144.5	-84.06	22.29	-3.05	4.99	-8.32	249.41
115	4	0.03	0.0	-3.65e-03	-0.15	0.0	-96.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	2.29e-04	0.0	175.7	-95.90	-0.08	0.0	0.0	0.0	0.0
115	7	0.02	0.0	-2.04e-03	-0.11	0.0	-53.82	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.43e-04	0.0	175.7	-53.74	-0.06	0.0	0.0	0.0	0.0
115	13	0.03	0.0	-5.69e-03	-0.15	0.0	-149.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	-1.27e-04	0.0	175.7	-149.13	-0.08	0.0	0.0	0.0	0.0
115	15	0.02	0.0	-3.66e-03	-0.11	0.0	-92.96	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.66e-03	0.0	175.7	-92.89	-0.06	0.0	0.0	0.0	0.0
115	18	0.02	0.0	-3.99e-03	-0.11	0.0	-104.87	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-7.03e-05	0.0	175.7	-104.79	-0.06	0.0	0.0	0.0	0.0
115	19	0.02	0.0	-3.99e-03	-0.11	0.0	-104.90	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.41e-04	0.0	175.7	-104.82	-0.06	0.0	0.0	0.0	0.0
115	20	0.02	0.0	-2.04e-03	-0.11	0.0	-53.82	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.43e-04	0.0	175.7	-53.74	-0.06	0.0	0.0	0.0	0.0
115	21	0.02	0.0	-3.13e-03	-0.11	0.0	-81.61	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.36e-04	0.0	175.7	-81.54	-0.06	0.0	0.0	0.0	0.0
115	22	0.02	0.0	-3.99e-03	-0.11	0.0	-104.87	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-7.03e-05	0.0	175.7	-104.79	-0.06	0.0	0.0	0.0	0.0
115	24	0.03	0.0	-5.68e-03	-0.15	0.0	-149.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	1.84e-04	0.0	175.7	-149.45	-0.08	0.0	0.0	0.0	0.0
115	27	0.02	0.0	-3.99e-03	-0.11	0.0	-104.90	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.41e-04	0.0	175.7	-104.82	-0.06	0.0	0.0	0.0	0.0
115	28	0.03	0.0	-5.68e-03	-0.15	0.0	-149.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	1.89e-04	0.0	175.7	-149.16	-0.08	0.0	0.0	0.0	0.0
115	29	0.02	0.0	-3.99e-03	-0.11	0.0	-104.90	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	1.41e-04	0.0	175.7	-104.82	-0.06	0.0	0.0	0.0	0.0
115	30	0.02	0.0	-6.42e-03	-0.11	0.0	-145.39	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.03	0.0	175.7	-145.32	-0.06	0.0	0.0	0.0	0.0
115	47	0.02	0.0	-4.83e-03	-0.11	0.0	-263.52	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-263.44	-0.06	0.0	0.0	0.0	0.0
115	48	0.02	0.0	-6.41e-03	-0.11	0.0	-24.16	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-24.08	-0.06	0.0	0.0	0.0	0.0
115	55	0.02	0.0	-4.65e-03	-0.11	0.0	-283.49	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-283.41	-0.06	0.0	0.0	0.0	0.0
115	56	0.02	0.0	-6.59e-03	-0.11	0.0	-4.19	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-4.11	-0.06	0.0	0.0	0.0	0.0
115	62	0.02	0.0	-6.11e-03	-0.11	0.0	-144.35	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.03	0.0	175.7	-144.27	-0.06	0.0	0.0	0.0	0.0
115	79	0.02	0.0	-5.11e-03	-0.11	0.0	-220.14	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-220.06	-0.06	0.0	0.0	0.0	0.0
115	80	0.02	0.0	-6.13e-03	-0.11	0.0	-67.54	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-67.46	-0.06	0.0	0.0	0.0	0.0
115	87	0.02	0.0	-4.99e-03	-0.11	0.0	-233.80	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-233.72	-0.06	0.0	0.0	0.0	0.0
115	88	0.02	0.0	-6.25e-03	-0.11	0.0	-53.88	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	175.7	-53.80	-0.06	0.0	0.0	0.0	0.0
116	6	0.03	0.0	5.64e-03	-0.15	0.0	-149.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	-1.52e-04	0.0	174.6	-149.53	-0.08	0.0	0.0	0.0	0.0
116	7	0.02	0.0	2.03e-03	-0.11	0.0	-53.81	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.30e-04	0.0	174.6	-53.89	-0.06	0.0	0.0	0.0	0.0
116	14	0.03	0.0	4.12e-03	-0.15	0.0	-111.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	-5.07e-04	0.0	174.6	-111.16	-0.08	0.0	0.0	0.0	0.0
116	15	0.02	0.0	3.48e-03	-0.11	0.0	-91.90	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.11e-03	0.0	174.6	-91.98	-0.06	0.0	0.0	0.0	0.0
116	18	0.02	0.0	3.96e-03	-0.11	0.0	-105.06	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-3.23e-04	0.0	174.6	-105.13	-0.06	0.0	0.0	0.0	0.0
116	19	0.02	0.0	3.96e-03	-0.11	0.0	-104.99	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.14e-04	0.0	174.6	-105.07	-0.06	0.0	0.0	0.0	0.0
116	20	0.02	0.0	2.03e-03	-0.11	0.0	-53.81	0.06	0.0	0.0	0.0	0.0

		0.0	0.0	-1.30e-04	0.0	174.6	-53.89	-0.06	0.0	0.0	0.0	0.0
116	21	0.02	0.0	2.95e-03	-0.11	0.0	-79.35	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.42e-04	0.0	174.6	-79.43	-0.06	0.0	0.0	0.0	0.0
116	22	0.02	0.0	3.96e-03	-0.11	0.0	-105.06	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-3.23e-04	0.0	174.6	-105.13	-0.06	0.0	0.0	0.0	0.0
116	24	0.03	0.0	5.64e-03	-0.15	0.0	-149.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	-1.39e-04	0.0	174.6	-149.81	-0.08	0.0	0.0	0.0	0.0
116	27	0.02	0.0	3.96e-03	-0.11	0.0	-104.99	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.14e-04	0.0	174.6	-105.07	-0.06	0.0	0.0	0.0	0.0
116	28	0.03	0.0	5.64e-03	-0.15	0.0	-149.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	-1.52e-04	0.0	174.6	-149.53	-0.08	0.0	0.0	0.0	0.0
116	29	0.02	0.0	3.96e-03	-0.11	0.0	-104.99	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-1.14e-04	0.0	174.6	-105.07	-0.06	0.0	0.0	0.0	0.0
116	38	0.02	0.0	5.15e-03	-0.11	0.0	-194.98	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.03	0.0	174.6	-195.05	-0.06	0.0	0.0	0.0	0.0
116	45	0.02	0.0	5.54e-03	-0.11	0.0	-96.15	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.01	0.0	174.6	-96.23	-0.06	0.0	0.0	0.0	0.0
116	46	0.02	0.0	4.16e-03	-0.11	0.0	-281.35	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-281.43	-0.06	0.0	0.0	0.0	0.0
116	49	0.02	0.0	6.59e-03	-0.11	0.0	-5.32	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-5.40	-0.06	0.0	0.0	0.0	0.0
116	51	0.02	0.0	6.61e-03	-0.11	0.0	-20.94	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.03	0.0	174.6	-21.02	-0.06	0.0	0.0	0.0	0.0
116	52	0.02	0.0	4.14e-03	-0.11	0.0	-265.73	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-265.81	-0.06	0.0	0.0	0.0	0.0
116	64	0.02	0.0	5.19e-03	-0.11	0.0	-144.08	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-144.16	-0.06	0.0	0.0	0.0	0.0
116	70	0.02	0.0	5.22e-03	-0.11	0.0	-175.99	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.03	0.0	174.6	-176.07	-0.06	0.0	0.0	0.0	0.0
116	77	0.02	0.0	5.49e-03	-0.11	0.0	-113.28	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-113.36	-0.06	0.0	0.0	0.0	0.0
116	78	0.02	0.0	4.59e-03	-0.11	0.0	-231.07	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-231.15	-0.06	0.0	0.0	0.0	0.0
116	81	0.02	0.0	6.16e-03	-0.11	0.0	-55.60	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-55.68	-0.06	0.0	0.0	0.0	0.0
116	83	0.02	0.0	6.17e-03	-0.11	0.0	-65.18	0.06	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-65.25	-0.06	0.0	0.0	0.0	0.0
117	7	0.69	0.02	1.91e-03	-0.20	0.0	-2.37	-1.12	-0.02	0.02	0.02	0.69
		-1.06	-0.01	2.94e-05	0.0	143.2	-2.37	-1.32	-0.02	0.02	-0.01	-1.06
117	13	1.92	0.04	5.33e-03	-0.27	0.0	-6.55	-3.24	-0.05	0.05	0.04	1.92
		-2.92	-0.04	-2.20e-04	0.0	143.2	-6.55	-3.51	-0.05	0.05	-0.04	-2.92
117	15	1.17	0.28	3.29e-03	-0.20	0.0	-4.02	-1.97	-0.19	-0.13	0.28	1.17
		-1.79	2.48e-03	-3.53e-04	0.0	143.2	-4.02	-2.17	-0.19	-0.13	2.48e-03	-1.79
117	18	1.35	0.03	3.74e-03	-0.20	0.0	-4.61	-2.27	-0.04	0.03	0.03	1.35
		-2.05	-0.03	-1.44e-04	0.0	143.2	-4.61	-2.47	-0.04	0.03	-0.03	-2.05
117	19	1.35	0.03	3.74e-03	-0.20	0.0	-4.61	-2.27	-0.04	0.03	0.03	1.35
		-2.05	-0.03	6.55e-05	0.0	143.2	-4.61	-2.47	-0.04	0.03	-0.03	-2.05
117	20	0.69	0.02	1.91e-03	-0.20	0.0	-2.37	-1.12	-0.02	0.02	0.02	0.69
		-1.06	-0.01	2.94e-05	0.0	143.2	-2.37	-1.32	-0.02	0.02	-0.01	-1.06
117	21	1.02	0.03	2.79e-03	-0.20	0.0	-3.49	-1.69	-0.03	0.02	0.03	1.02
		-1.55	-0.02	4.27e-05	0.0	143.2	-3.49	-1.90	-0.03	0.02	-0.02	-1.55
117	22	1.35	0.03	3.74e-03	-0.20	0.0	-4.61	-2.27	-0.04	0.03	0.03	1.35
		-2.05	-0.03	-1.44e-04	0.0	143.2	-4.61	-2.47	-0.04	0.03	-0.03	-2.05
117	24	1.92	0.05	5.33e-03	-0.27	0.0	-6.56	-3.25	-0.06	0.05	0.05	1.92
		-2.92	-0.04	1.06e-04	0.0	143.2	-6.56	-3.52	-0.06	0.05	-0.04	-2.92
117	27	1.35	0.03	3.74e-03	-0.20	0.0	-4.61	-2.27	-0.04	0.03	0.03	1.35
		-2.05	-0.03	6.55e-05	0.0	143.2	-4.61	-2.47	-0.04	0.03	-0.03	-2.05
117	28	1.92	0.04	5.33e-03	-0.27	0.0	-6.55	-3.24	-0.06	0.05	0.04	1.92
		-2.91	-0.04	9.39e-05	0.0	143.2	-6.55	-3.51	-0.06	0.05	-0.04	-2.91
117	29	1.35	0.03	3.74e-03	-0.20	0.0	-4.61	-2.27	-0.04	0.03	0.03	1.35
		-2.05	-0.03	6.55e-05	0.0	143.2	-4.61	-2.47	-0.04	0.03	-0.03	-2.05
117	30	2.82	0.19	5.13e-03	-0.20	0.0	-4.43	-4.93	-0.08	-0.24	0.19	2.82
		-4.38	0.05	-2.80e-03	0.0	143.2	-4.43	-5.13	-0.08	-0.24	0.05	-4.38
117	32	1.90	0.09	4.79e-03	-0.20	0.0	7.67	-3.19	-0.17	0.45	0.09	1.90
		-2.81	-0.16	1.86e-03	0.0	143.2	7.67	-3.40	-0.17	0.45	-0.16	-2.81
117	46	3.54	0.18	4.73e-03	-0.20	0.0	17.87	-6.32	-0.14	0.19	0.18	3.54
		-5.65	-0.08	-1.94e-03	0.0	143.2	17.87	-6.52	-0.14	0.19	-0.08	-5.65
117	47	0.56	0.11	5.54e-03	-0.20	0.0	-33.75	-0.60	-0.05	-0.34	0.11	0.56
		-0.44	0.08	2.75e-04	0.0	143.2	-33.75	-0.80	-0.05	-0.34	0.08	-0.44
117	48	3.27	0.15	4.62e-03	-0.20	0.0	21.50	-5.80	-0.17	0.39	0.15	3.27
		-5.18	-0.14	-5.44e-04	0.0	143.2	21.50	-6.00	-0.17	0.39	-0.14	-5.18
117	62	2.48	0.17	5.11e-03	-0.20	0.0	-4.93	-4.28	-0.09	-0.13	0.17	2.48
		-3.79	0.02	-1.70e-03	0.0	143.2	-4.93	-4.48	-0.09	-0.13	0.02	-3.79
117	64	1.92	0.10	4.90e-03	-0.20	0.0	2.56	-3.22	-0.15	0.29	0.10	1.92
		-2.83	-0.11	9.85e-04	0.0	143.2	2.56	-3.42	-0.15	0.29	-0.11	-2.83
117	78	2.95	0.16	4.85e-03	-0.20	0.0	9.23	-5.18	-0.14	0.14	0.16	2.95
		-4.62	-0.07	-1.28e-03	0.0	143.2	9.23	-5.39	-0.14	0.14	-0.07	-4.62

117	79	1.05	0.11	5.38e-03	-0.20	0.0	-23.72	-1.54	-0.07	-0.22	0.11	1.05
		-1.30	0.05	2.09e-04	0.0	143.2	-23.72	-1.74	-0.07	-0.22	0.05	-1.30
117	80	2.78	0.14	4.78e-03	-0.20	0.0	11.48	-4.87	-0.15	0.27	0.14	2.78
		-4.33	-0.11	-4.78e-04	0.0	143.2	11.48	-5.07	-0.15	0.27	-0.11	-4.33
118	6	1.93	0.04	-5.38e-03	-0.28	0.0	-6.55	3.49	0.05	-0.05	-0.04	-2.91
		-2.91	-0.04	-9.60e-05	0.0	144.5	-6.55	3.21	0.05	-0.05	0.04	1.93
118	7	0.70	0.02	-1.93e-03	-0.20	0.0	-2.37	1.31	0.02	-0.02	-0.01	-1.06
		-1.06	-0.01	-3.02e-05	0.0	144.5	-2.37	1.11	0.02	-0.02	0.02	0.70
118	15	1.21	2.15	-3.45e-03	-0.20	0.0	-4.08	2.20	1.43	0.92	0.08	-1.82
		-1.82	0.08	7.12e-04	0.0	144.5	-4.08	1.99	1.43	0.92	2.15	1.21
118	18	1.36	0.03	-3.78e-03	-0.20	0.0	-4.60	2.46	0.04	-0.04	-0.03	-2.05
		-2.05	-0.03	-2.79e-04	0.0	144.5	-4.60	2.25	0.04	-0.04	0.03	1.36
118	19	1.35	0.03	-3.78e-03	-0.20	0.0	-4.60	2.46	0.04	-0.04	-0.03	-2.05
		-2.05	-0.03	-6.70e-05	0.0	144.5	-4.60	2.25	0.04	-0.04	0.03	1.35
118	20	0.70	0.02	-1.93e-03	-0.20	0.0	-2.37	1.31	0.02	-0.02	-0.01	-1.06
		-1.06	-0.01	-3.02e-05	0.0	144.5	-2.37	1.11	0.02	-0.02	0.02	0.70
118	21	1.10	0.03	-2.96e-03	-0.20	0.0	-3.62	1.98	0.04	-0.03	-0.02	-1.61
		-1.61	-0.02	-5.43e-05	0.0	144.5	-3.62	1.77	0.04	-0.03	0.03	1.10
118	22	1.36	0.03	-3.78e-03	-0.20	0.0	-4.60	2.46	0.04	-0.04	-0.03	-2.05
		-2.05	-0.03	-2.79e-04	0.0	144.5	-4.60	2.25	0.04	-0.04	0.03	1.36
118	24	1.93	0.04	-5.38e-03	-0.28	0.0	-6.56	3.49	0.06	-0.05	-0.04	-2.92
		-2.92	-0.04	-1.01e-04	0.0	144.5	-6.56	3.22	0.06	-0.05	0.04	1.93
118	27	1.35	0.03	-3.78e-03	-0.20	0.0	-4.60	2.46	0.04	-0.04	-0.03	-2.05
		-2.05	-0.03	-6.70e-05	0.0	144.5	-4.60	2.25	0.04	-0.04	0.03	1.35
118	28	1.93	0.04	-5.38e-03	-0.28	0.0	-6.55	3.49	0.05	-0.05	-0.04	-2.91
		-2.91	-0.04	-9.60e-05	0.0	144.5	-6.55	3.21	0.05	-0.05	0.04	1.93
118	29	1.35	0.03	-3.78e-03	-0.20	0.0	-4.60	2.46	0.04	-0.04	-0.03	-2.05
		-2.05	-0.03	-6.70e-05	0.0	144.5	-4.60	2.25	0.04	-0.04	0.03	1.35
118	31	2.75	0.21	-5.49e-03	-0.20	0.0	-8.66	4.91	0.35	-0.89	-0.32	-4.19
		-4.19	-0.32	-2.86e-03	0.0	144.5	-8.66	4.70	0.35	-0.89	0.21	2.75
118	32	1.21	0.26	-5.11e-03	-0.20	0.0	-4.52	1.96	-0.12	0.83	0.26	-1.48
		-1.48	0.06	2.38e-03	0.0	144.5	-4.52	1.76	-0.12	0.83	0.06	1.21
118	54	0.55	0.11	-5.70e-03	-0.20	0.0	-34.75	0.74	0.14	-0.09	-0.06	-0.38
		-0.38	-0.06	-1.80e-03	0.0	144.5	-34.75	0.54	0.14	-0.09	0.11	0.55
118	55	3.64	0.20	-5.07e-03	-0.20	0.0	17.85	6.58	0.22	-0.45	-0.17	-5.71
		-5.71	-0.17	-4.44e-04	0.0	144.5	17.85	6.37	0.22	-0.45	0.20	3.64
118	57	3.41	0.16	-4.90e-03	-0.20	0.0	21.58	6.12	0.09	0.02	-7.35e-03	-5.29
		-5.29	-7.35e-03	1.32e-03	0.0	144.5	21.58	5.92	0.09	0.02	0.16	3.41
118	63	2.47	0.18	-5.41e-03	-0.20	0.0	-7.76	4.37	0.27	-0.60	-0.22	-3.69
		-3.69	-0.22	-1.81e-03	0.0	144.5	-7.76	4.16	0.27	-0.60	0.18	2.47
118	67	2.53	0.18	-5.40e-03	-0.20	0.0	-5.32	4.47	0.27	-0.58	-0.22	-3.79
		-3.79	-0.22	-1.88e-03	0.0	144.5	-5.32	4.27	0.27	-0.58	0.18	2.53
118	86	1.06	0.12	-5.55e-03	-0.20	0.0	-24.71	1.69	0.13	-0.06	-0.05	-1.24
		-1.24	-0.05	-1.19e-03	0.0	144.5	-24.71	1.49	0.13	-0.06	0.12	1.06
118	87	3.05	0.18	-5.15e-03	-0.20	0.0	9.24	5.46	0.19	-0.31	-0.12	-4.69
		-4.69	-0.12	-3.50e-04	0.0	144.5	9.24	5.26	0.19	-0.31	0.18	3.05
118	89	2.91	0.15	-5.05e-03	-0.20	0.0	11.53	5.18	0.10	-4.07e-03	-0.02	-4.43
		-4.43	-0.02	7.12e-04	0.0	144.5	11.53	4.97	0.10	-4.07e-03	0.15	2.91
119	7	1.01	0.01	-1.90e-03	-0.20	0.0	-49.41	1.26	3.10e-03	-0.01	7.66e-03	-0.67
		-0.67	7.66e-03	-1.75e-05	0.0	144.5	-49.41	1.06	3.10e-03	-0.01	0.01	1.01
119	9	2.03	0.03	-3.84e-03	-0.20	0.0	-98.39	2.47	0.02	-0.04	3.29e-03	-1.39
		-1.39	3.29e-03	-5.97e-05	0.0	144.5	-98.39	2.26	0.02	-0.04	0.03	2.03
119	15	1.78	7.41	-3.41e-03	-0.20	0.0	-85.41	2.16	3.24	4.33	2.72	-1.19
		-1.19	2.72	5.20e-03	0.0	144.5	-85.41	1.96	3.24	4.33	7.41	1.78
119	18	1.99	0.03	-3.75e-03	-0.20	0.0	-96.35	2.41	0.01	-0.03	0.01	-1.34
		-1.34	0.01	-2.56e-04	0.0	144.5	-96.35	2.21	0.01	-0.03	0.03	1.99
119	19	1.99	0.03	-3.75e-03	-0.20	0.0	-96.37	2.41	0.01	-0.03	9.73e-03	-1.34
		-1.34	9.73e-03	-4.58e-05	0.0	144.5	-96.37	2.21	0.01	-0.03	0.03	1.99
119	20	1.01	0.01	-1.90e-03	-0.20	0.0	-49.41	1.26	3.10e-03	-0.01	7.66e-03	-0.67
		-0.67	7.66e-03	-1.75e-05	0.0	144.5	-49.41	1.06	3.10e-03	-0.01	0.01	1.01
119	21	1.53	0.03	-2.86e-03	-0.20	0.0	-74.91	1.81	7.44e-03	-0.02	0.02	-0.95
		-0.95	0.02	-2.82e-05	0.0	144.5	-74.91	1.61	7.44e-03	-0.02	0.03	1.53
119	22	1.99	0.03	-3.75e-03	-0.20	0.0	-96.35	2.41	0.01	-0.03	0.01	-1.34
		-1.34	0.01	-2.56e-04	0.0	144.5	-96.35	2.21	0.01	-0.03	0.03	1.99
119	24	2.84	0.04	-5.34e-03	-0.28	0.0	-137.41	3.43	0.02	-0.04	0.01	-1.92
		-1.92	0.01	-6.92e-05	0.0	144.5	-137.41	3.15	0.02	-0.04	0.04	2.84
119	27	1.99	0.03	-3.75e-03	-0.20	0.0	-96.37	2.41	0.01	-0.03	9.73e-03	-1.34
		-1.34	9.73e-03	-4.58e-05	0.0	144.5	-96.37	2.21	0.01	-0.03	0.03	1.99
119	28	2.84	0.04	-5.34e-03	-0.28	0.0	-137.15	3.42	0.02	-0.04	0.01	-1.92
		-1.92	0.01	-6.61e-05	0.0	144.5	-137.15	3.15	0.02	-0.04	0.04	2.84
119	29	1.99	0.03	-3.75e-03	-0.20	0.0	-96.37	2.41	0.01	-0.03	9.73e-03	-1.34
		-1.34	9.73e-03	-4.58e-05	0.0	144.5	-96.37	2.21	0.01	-0.03	0.03	1.99
119	30	2.70	0.19	-5.27e-03	-0.20	0.0	-130.25	3.13	0.26	-0.83	-0.18	-0.51
		-0.51	-0.18	-3.41e-03	0.0	144.5	-130.25	2.93	0.26	-0.83	0.19	2.70
119	33	2.66	0.42	-4.97e-03	-0.20	0.0	-134.64	3.02	-0.41	0.82	0.42	-2.73
		-2.73	-0.42	3.18e-03	0.0	144.5	-134.64	2.82	-0.41	0.82	-0.16	2.66
119	47	4.69	0.18	-5.20e-03	-0.20	0.0	-199.67	5.80	-0.10	-0.64	0.18	-3.19



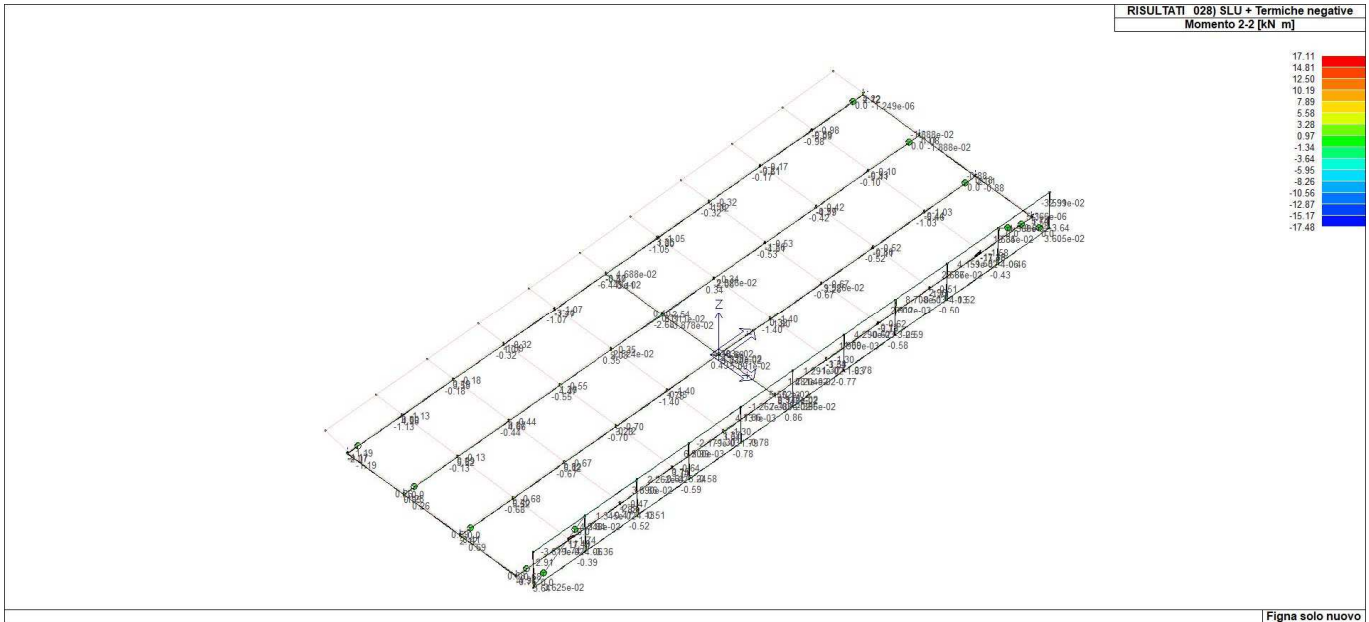
		-3.19	0.10	-7.07e-05	0.0	144.5	-199.67	5.59	-0.10	-0.64	0.10	4.69
119	48	0.67	0.06	-5.04e-03	-0.20	0.0	-65.22	0.36	-0.05	0.64	0.06	-0.06
		-0.06	-0.07	-1.56e-04	0.0	144.5	-65.22	0.16	-0.05	0.64	-0.07	0.67
119	55	4.98	0.15	-5.24e-03	-0.20	0.0	-193.82	6.20	-0.06	-0.52	0.15	-3.48
		-3.48	0.09	-4.28e-04	0.0	144.5	-193.82	5.99	-0.06	-0.52	0.09	4.98
119	57	4.63	0.30	-5.15e-03	-0.20	0.0	-183.92	5.72	-0.24	0.04	0.30	-3.83
		-3.83	-0.02	1.38e-03	0.0	144.5	-183.92	5.51	-0.24	0.04	-0.02	4.63
119	64	1.97	0.26	-5.01e-03	-0.20	0.0	-110.08	2.11	-0.25	0.68	0.26	-1.65
		-1.65	-0.11	1.53e-03	0.0	144.5	-110.08	1.90	-0.25	0.68	-0.11	1.97
119	65	2.67	0.31	-5.02e-03	-0.20	0.0	-133.96	3.06	-0.29	0.53	0.31	-2.32
		-2.32	-0.10	1.87e-03	0.0	144.5	-133.96	2.85	-0.29	0.53	-0.10	2.67
119	79	3.96	0.16	-5.17e-03	-0.20	0.0	-175.37	4.81	-0.09	-0.43	0.16	-2.63
		-2.63	0.07	-9.19e-05	0.0	144.5	-175.37	4.61	-0.09	-0.43	0.07	3.96
119	80	1.40	0.08	-5.07e-03	-0.20	0.0	-89.52	1.35	-0.05	0.43	0.08	-0.62
		-0.62	-0.04	-1.31e-04	0.0	144.5	-89.52	1.14	-0.05	0.43	-0.04	1.40
119	87	4.16	0.14	-5.20e-03	-0.20	0.0	-172.02	5.09	-0.07	-0.35	0.14	-2.83
		-2.83	0.07	-3.02e-04	0.0	144.5	-172.02	4.88	-0.07	-0.35	0.07	4.16
119	89	3.94	0.24	-5.14e-03	-0.20	0.0	-165.77	4.79	-0.18	0.02	0.24	-3.04
		-3.04	-6.08e-03	7.84e-04	0.0	144.5	-165.77	4.58	-0.18	0.02	-6.08e-03	3.94
120	7	0.87	8.02e-03	-1.45e-03	-0.20	0.0	-52.17	0.93	-5.46e-03	-6.29e-03	8.02e-03	-0.33
		-0.33	1.29e-04	-4.98e-06	0.0	144.5	-52.17	0.73	-5.46e-03	-6.29e-03	1.29e-04	0.87
120	13	2.57	0.02	-4.18e-03	-0.28	0.0	-145.12	2.63	-0.01	-0.03	0.02	-1.03
		-1.03	6.56e-03	-3.43e-04	0.0	144.5	-145.12	2.35	-0.01	-0.03	6.56e-03	2.57
120	15	1.61	10.20	-2.66e-03	-0.20	0.0	-90.23	1.64	-14.14	9.05	10.20	-0.62
		-0.62	-10.23	0.01	0.0	144.5	-90.23	1.44	-14.14	9.05	-10.23	1.61
120	18	1.80	0.02	-2.93e-03	-0.20	0.0	-101.96	1.84	-8.24e-03	-0.02	0.02	-0.72
		-0.72	4.38e-03	-2.29e-04	0.0	144.5	-101.96	1.64	-8.24e-03	-0.02	4.38e-03	1.80
120	19	1.79	0.02	-2.93e-03	-0.20	0.0	-101.98	1.84	-8.07e-03	-0.02	0.02	-0.72
		-0.72	4.21e-03	-1.98e-05	0.0	144.5	-101.98	1.64	-8.07e-03	-0.02	4.21e-03	1.79
120	20	0.87	8.02e-03	-1.45e-03	-0.20	0.0	-52.17	0.93	-5.46e-03	-6.29e-03	8.02e-03	-0.33
		-0.33	1.29e-04	-4.98e-06	0.0	144.5	-52.17	0.73	-5.46e-03	-6.29e-03	1.29e-04	0.87
120	21	1.26	0.02	-2.14e-03	-0.20	0.0	-78.84	1.24	-0.01	-5.00e-03	0.02	-0.37
		-0.37	1.73e-03	1.72e-06	0.0	144.5	-78.84	1.03	-0.01	-5.00e-03	1.73e-03	1.26
120	22	1.80	0.02	-2.93e-03	-0.20	0.0	-101.96	1.84	-8.24e-03	-0.02	0.02	-0.72
		-0.72	4.38e-03	-2.29e-04	0.0	144.5	-101.96	1.64	-8.24e-03	-0.02	4.38e-03	1.80
120	24	2.56	0.02	-4.18e-03	-0.28	0.0	-145.41	2.63	-0.01	-0.03	0.02	-1.03
		-1.03	7.51e-03	-2.99e-05	0.0	144.5	-145.41	2.35	-0.01	-0.03	7.51e-03	2.56
120	27	1.79	0.02	-2.93e-03	-0.20	0.0	-101.98	1.84	-8.07e-03	-0.02	0.02	-0.72
		-0.72	4.21e-03	-1.98e-05	0.0	144.5	-101.98	1.64	-8.07e-03	-0.02	4.21e-03	1.79
120	28	2.56	0.02	-4.18e-03	-0.28	0.0	-145.14	2.62	-0.01	-0.03	0.02	-1.03
		-1.03	6.30e-03	-2.89e-05	0.0	144.5	-145.14	2.35	-0.01	-0.03	6.30e-03	2.56
120	29	1.79	0.02	-2.93e-03	-0.20	0.0	-101.98	1.84	-8.07e-03	-0.02	0.02	-0.72
		-0.72	4.21e-03	-1.98e-05	0.0	144.5	-101.98	1.64	-8.07e-03	-0.02	4.21e-03	1.79
120	33	2.28	0.23	-3.78e-03	-0.20	0.0	-142.85	3.81	-0.35	1.08	0.23	-1.88
		-1.88	-0.30	3.16e-03	0.0	144.5	-142.85	3.61	-0.35	1.08	-0.30	2.28
120	47	4.40	0.10	-3.88e-03	-0.20	0.0	-191.45	4.52	-0.10	0.16	0.10	-2.34
		-2.34	-0.05	-2.45e-04	0.0	144.5	-191.45	4.31	-0.10	0.16	-0.05	4.40
120	48	0.88	-0.03	-3.88e-03	-0.20	0.0	-87.93	-0.11	-0.02	-0.09	-0.03	0.88
		0.21	-0.06	1.08e-04	0.0	144.5	-87.93	-0.31	-0.02	-0.09	-0.06	0.21
120	55	4.61	0.07	-3.91e-03	-0.20	0.0	-178.25	4.82	-0.07	0.03	0.07	-2.57
		-2.57	-0.03	-5.50e-04	0.0	144.5	-178.25	4.62	-0.07	0.03	-0.03	4.61
120	57	4.25	0.17	-3.86e-03	-0.20	0.0	-171.44	5.32	-0.22	0.59	0.17	-2.93
		-2.93	-0.16	1.26e-03	0.0	144.5	-171.44	5.12	-0.22	0.59	-0.16	4.25
120	65	2.30	0.16	-3.82e-03	-0.20	0.0	-141.71	3.21	-0.25	0.71	0.16	-1.45
		-1.45	-0.22	1.85e-03	0.0	144.5	-141.71	3.01	-0.25	0.71	-0.22	2.30
120	79	3.64	0.08	-3.88e-03	-0.20	0.0	-172.78	3.69	-0.09	0.13	0.08	-1.76
		-1.76	-0.05	-2.06e-04	0.0	144.5	-172.78	3.48	-0.09	0.13	-0.05	3.64
120	80	0.97	-8.92e-03	-3.89e-03	-0.20	0.0	-106.60	0.72	-0.03	-0.06	-8.92e-03	0.30
		0.30	-0.06	6.89e-05	0.0	144.5	-106.60	0.52	-0.03	-0.06	-0.06	0.97
120	87	3.79	0.06	-3.90e-03	-0.20	0.0	-164.59	3.90	-0.07	0.04	0.06	-1.92
		-1.92	-0.04	-3.77e-04	0.0	144.5	-164.59	3.70	-0.07	0.04	-0.04	3.79
120	89	3.57	0.12	-3.87e-03	-0.20	0.0	-160.24	4.21	-0.17	0.40	0.12	-2.15
		-2.15	-0.13	7.04e-04	0.0	144.5	-160.24	4.01	-0.17	0.40	-0.13	3.57
121	3	1.88	0.01	-2.28e-03	-0.28	0.0	-127.69	1.69	0.01	-0.02	-3.56e-03	-0.37
		-0.37	-3.56e-03	-2.98e-05	0.0	144.5	-127.69	1.41	0.01	-0.02	0.01	1.88
121	7	0.73	2.78e-04	-9.16e-04	-0.20	0.0	-54.23	0.68	1.38e-03	-2.96e-03	-1.71e-03	-0.11
		-0.11	-1.71e-03	-3.64e-06	0.0	144.5	-54.23	0.48	1.38e-03	-2.96e-03	2.78e-04	0.73
121	13	2.23	4.75e-03	-2.70e-03	-0.28	0.0	-151.36	1.98	4.63e-03	-0.01	-1.95e-03	-0.43
		-0.43	-1.95e-03	-3.34e-04	0.0	144.5	-151.36	1.71	4.63e-03	-0.01	4.75e-03	2.23
121	15	1.36	-2.93	-1.66e-03	-0.20	0.0	-94.27	1.14	3.12	4.23	-7.44	-0.14
		-0.14	-7.44	5.11e-03	0.0	144.5	-94.27	0.93	3.12	4.23	-2.93	1.36
121	18	1.56	3.19e-03	-1.89e-03	-0.20	0.0	-106.33	1.39	3.23e-03	-9.16e-03	-1.47e-03	-0.30
		-0.30	-1.47e-03	-2.23e-04	0.0	144.5	-106.33	1.18	3.23e-03	-9.16e-03	3.19e-03	1.56
121	19	1.56	3.18e-03	-1.89e-03	-0.20	0.0	-106.33	1.38	3.33e-03	-9.13e-03	-1.62e-03	-0.30
		-0.30	-1.62e-03	-1.35e-05	0.0	144.5	-106.33	1.18	3.33e-03	-9.13e-03	3.18e-03	1.56
121	20	0.73	2.78e-04	-9.16e-04	-0.20	0.0	-54.23	0.68	1.38e-03	-2.96e-03	-1.71e-03	-0.11
		-0.11	-1.71e-03	-3.64e-06	0.0	144.5	-54.23	0.48	1.38e-03	-2.96e-03	2.78e-04	0.73

121	21	1.01	2.73e-03	-1.30e-03	-0.20	0.0	-81.58	0.83	-4.99e-03	2.53e-03	2.73e-03	-0.05
		-0.05	-4.49e-03	8.53e-06	0.0	144.5	-81.58	0.63	-4.99e-03	2.53e-03	-4.49e-03	1.01
121	22	1.56	3.19e-03	-1.89e-03	-0.20	0.0	-106.33	1.39	3.23e-03	-9.16e-03	-1.47e-03	-0.30
		-0.30	-1.47e-03	-2.23e-04	0.0	144.5	-106.33	1.18	3.23e-03	-9.16e-03	3.19e-03	1.56
121	24	2.23	5.99e-03	-2.70e-03	-0.28	0.0	-151.65	1.98	4.78e-03	-0.01	-9.16e-04	-0.43
		-0.43	-9.16e-04	-1.86e-05	0.0	144.5	-151.65	1.70	4.78e-03	-0.01	5.99e-03	2.23
121	27	1.56	3.18e-03	-1.89e-03	-0.20	0.0	-106.33	1.38	3.33e-03	-9.13e-03	-1.62e-03	-0.30
		-0.30	-1.62e-03	-1.35e-05	0.0	144.5	-106.33	1.18	3.33e-03	-9.13e-03	3.18e-03	1.56
121	28	2.23	4.73e-03	-2.70e-03	-0.28	0.0	-151.37	1.97	4.78e-03	-0.01	-2.18e-03	-0.43
		-0.43	-2.18e-03	-1.96e-05	0.0	144.5	-151.37	1.70	4.78e-03	-0.01	4.73e-03	2.23
121	29	1.56	3.18e-03	-1.89e-03	-0.20	0.0	-106.33	1.38	3.33e-03	-9.13e-03	-1.62e-03	-0.30
		-0.30	-1.62e-03	-1.35e-05	0.0	144.5	-106.33	1.18	3.33e-03	-9.13e-03	3.18e-03	1.56
121	30	1.22	0.20	-2.42e-03	-0.20	0.0	-141.54	-0.33	0.24	-0.96	-0.19	1.22
		0.60	-0.19	-3.21e-03	0.0	144.5	-141.54	-0.53	0.24	-0.96	0.20	0.60
121	33	3.25	0.12	-2.38e-03	-0.20	0.0	-148.45	3.39	-0.25	1.01	0.12	-1.50
		-1.50	-0.28	2.98e-03	0.0	144.5	-148.45	3.18	-0.25	1.01	-0.28	3.25
121	47	3.87	8.83e-03	-2.38e-03	-0.20	0.0	-180.91	4.19	-0.05	0.19	8.83e-03	-2.04
		-2.04	-0.05	-5.90e-04	0.0	144.5	-180.91	3.99	-0.05	0.19	-0.05	3.87
121	48	1.76	-0.04	-2.43e-03	-0.20	0.0	-109.09	-1.13	0.04	-0.14	-0.08	1.76
		-0.02	-0.08	3.56e-04	0.0	144.5	-109.09	-1.33	0.04	-0.14	-0.04	-0.02
121	57	4.43	0.06	-2.41e-03	-0.20	0.0	-158.69	5.01	-0.14	0.57	0.06	-2.66
		-2.66	-0.16	9.68e-04	0.0	144.5	-158.69	4.81	-0.14	0.57	-0.16	4.43
121	62	1.09	0.12	-2.42e-03	-0.20	0.0	-142.87	0.37	0.16	-0.61	-0.14	0.71
		0.71	-0.14	-1.94e-03	0.0	144.5	-142.87	0.16	0.16	-0.61	0.12	1.09
121	65	2.76	0.06	-2.39e-03	-0.20	0.0	-147.12	2.69	-0.17	0.66	0.06	-0.99
		-0.99	-0.20	1.71e-03	0.0	144.5	-147.12	2.49	-0.17	0.66	-0.20	2.76
121	79	3.17	-3.24e-03	-2.38e-03	-0.20	0.0	-168.00	3.23	-0.04	0.15	-3.24e-03	-1.36
		-1.36	-0.05	-4.60e-04	0.0	144.5	-168.00	3.03	-0.04	0.15	-0.05	3.17
121	80	1.08	-0.04	-2.42e-03	-0.20	0.0	-122.00	-0.17	0.03	-0.10	-0.07	1.08
		0.68	-0.07	2.26e-04	0.0	144.5	-122.00	-0.38	0.03	-0.10	-0.04	0.68
121	89	3.54	0.03	-2.41e-03	-0.20	0.0	-153.85	3.77	-0.10	0.39	0.03	-1.76
		-1.76	-0.12	4.85e-04	0.0	144.5	-153.85	3.56	-0.10	0.39	-0.12	3.54
122	3	1.24	0.02	-7.72e-04	-0.28	0.0	-130.60	0.67	0.01	-6.84e-03	3.30e-03	0.48
		0.48	3.30e-03	-1.77e-05	0.0	144.5	-130.60	0.39	0.01	-6.84e-03	0.02	1.24
122	7	0.46	3.06e-03	-3.03e-04	-0.20	0.0	-55.32	0.28	2.98e-03	-1.35e-03	-1.25e-03	0.20
		0.20	-1.25e-03	-3.79e-06	0.0	144.5	-55.32	0.08	2.98e-03	-1.35e-03	3.06e-03	0.46
122	13	1.49	0.01	-9.14e-04	-0.28	0.0	-154.84	0.78	0.01	-4.96e-03	-1.26e-03	0.56
		0.56	-1.26e-03	-3.29e-04	0.0	144.5	-154.84	0.50	0.01	-4.96e-03	0.01	1.49
122	15	0.74	-2.41	-4.55e-04	-0.20	0.0	-96.18	0.22	-0.02	-0.02	-2.41	0.58
		0.58	-2.44	3.57e-04	0.0	144.5	-96.18	0.01	-0.02	-0.02	-2.44	0.74
122	18	1.04	0.01	-6.40e-04	-0.20	0.0	-108.76	0.55	7.72e-03	-3.44e-03	-9.66e-04	0.40
		0.40	-9.66e-04	-2.19e-04	0.0	144.5	-108.76	0.34	7.72e-03	-3.44e-03	0.01	1.04
122	19	1.03	0.01	-6.41e-04	-0.20	0.0	-108.75	0.54	7.71e-03	-3.42e-03	-9.67e-04	0.40
		0.40	-9.67e-04	-1.01e-05	0.0	144.5	-108.75	0.34	7.71e-03	-3.42e-03	0.01	1.03
122	20	0.46	3.06e-03	-3.03e-04	-0.20	0.0	-55.32	0.28	2.98e-03	-1.35e-03	-1.25e-03	0.20
		0.20	-1.25e-03	-3.79e-06	0.0	144.5	-55.32	0.08	2.98e-03	-1.35e-03	3.06e-03	0.46
122	21	0.61	-1.88e-03	-3.73e-04	-0.20	0.0	-82.81	0.23	7.25e-04	3.59e-03	-2.92e-03	0.42
		0.42	-2.92e-03	4.89e-06	0.0	144.5	-82.81	0.03	7.25e-04	3.59e-03	-1.88e-03	0.61
122	22	1.04	0.01	-6.40e-04	-0.20	0.0	-108.76	0.55	7.72e-03	-3.44e-03	-9.66e-04	0.40
		0.40	-9.66e-04	-2.19e-04	0.0	144.5	-108.76	0.34	7.72e-03	-3.44e-03	0.01	1.04
122	24	1.48	0.02	-9.17e-04	-0.28	0.0	-155.11	0.77	0.01	-4.97e-03	2.84e-05	0.57
		0.57	2.84e-05	-1.16e-05	0.0	144.5	-155.11	0.50	0.01	-4.97e-03	0.02	1.48
122	28	1.48	0.01	-9.17e-04	-0.28	0.0	-154.82	0.77	0.01	-4.92e-03	-1.26e-03	0.57
		0.57	-1.26e-03	-1.45e-05	0.0	144.5	-154.82	0.50	0.01	-4.92e-03	0.01	1.48
122	29	1.03	0.01	-6.41e-04	-0.20	0.0	-108.75	0.54	7.71e-03	-3.42e-03	-9.67e-04	0.40
		0.40	-9.67e-04	-1.01e-05	0.0	144.5	-108.75	0.34	7.71e-03	-3.42e-03	0.01	1.03
122	30	2.20	0.21	-5.12e-04	-0.20	0.0	-145.57	-1.62	0.24	-0.90	-0.17	2.20
		-0.29	-0.17	-8.51e-03	0.0	144.5	-145.57	-1.82	0.24	-0.90	0.21	-0.29
122	33	2.51	0.09	-8.86e-04	-0.20	0.0	-149.55	2.27	-0.21	0.91	0.09	-0.62
		-0.62	-0.24	8.16e-03	0.0	144.5	-149.55	2.07	-0.21	0.91	-0.24	2.51
122	51	3.29	0.05	-1.17e-03	-0.20	0.0	-167.54	3.32	-0.11	0.51	0.05	-1.36
		-1.36	-0.11	0.02	0.0	144.5	-167.54	3.12	-0.11	0.51	-0.11	3.29
122	52	2.94	0.08	-2.97e-04	-0.20	0.0	-127.59	-2.67	0.14	-0.50	-0.12	2.94
		-1.07	-0.12	-0.02	0.0	144.5	-127.59	-2.88	0.14	-0.50	0.08	-1.07
122	57	3.65	0.05	-7.65e-04	-0.20	0.0	-144.23	3.84	-0.12	0.54	0.05	-1.76
		-1.76	-0.13	0.01	0.0	144.5	-144.23	3.64	-0.12	0.54	-0.13	3.65
122	62	1.67	0.13	-5.79e-04	-0.20	0.0	-146.32	-0.89	0.16	-0.57	-0.12	1.67
		0.23	-0.12	-5.33e-03	0.0	144.5	-146.32	-1.10	0.16	-0.57	0.13	0.23
122	65	1.99	0.05	-8.16e-04	-0.20	0.0	-148.80	1.54	-0.13	0.58	0.05	-0.09
		-0.09	-0.16	4.98e-03	0.0	144.5	-148.80	1.34	-0.13	0.58	-0.16	1.99
122	83	2.51	0.02	-1.01e-03	-0.20	0.0	-160.36	2.24	-0.07	0.35	0.02	-0.58
		-0.58	-0.08	0.01	0.0	144.5	-160.36	2.03	-0.07	0.35	-0.08	2.51
122	84	2.16	0.05	-4.01e-04	-0.20	0.0	-134.76	-1.59	0.10	-0.33	-0.10	2.16
		-0.28	-0.10	-0.01	0.0	144.5	-134.76	-1.79	0.10	-0.33	0.05	-0.28
122	89	2.74	0.02	-7.36e-04	-0.20	0.0	-145.43	2.59	-0.07	0.36	0.02	-0.85
		-0.85	-0.09	8.07e-03	0.0	144.5	-145.43	2.38	-0.07	0.36	-0.09	2.74
123	3	1.26	0.02	8.12e-04	-0.27	0.0	-130.56	-0.42	-9.24e-03	3.52e-03	0.02	1.26

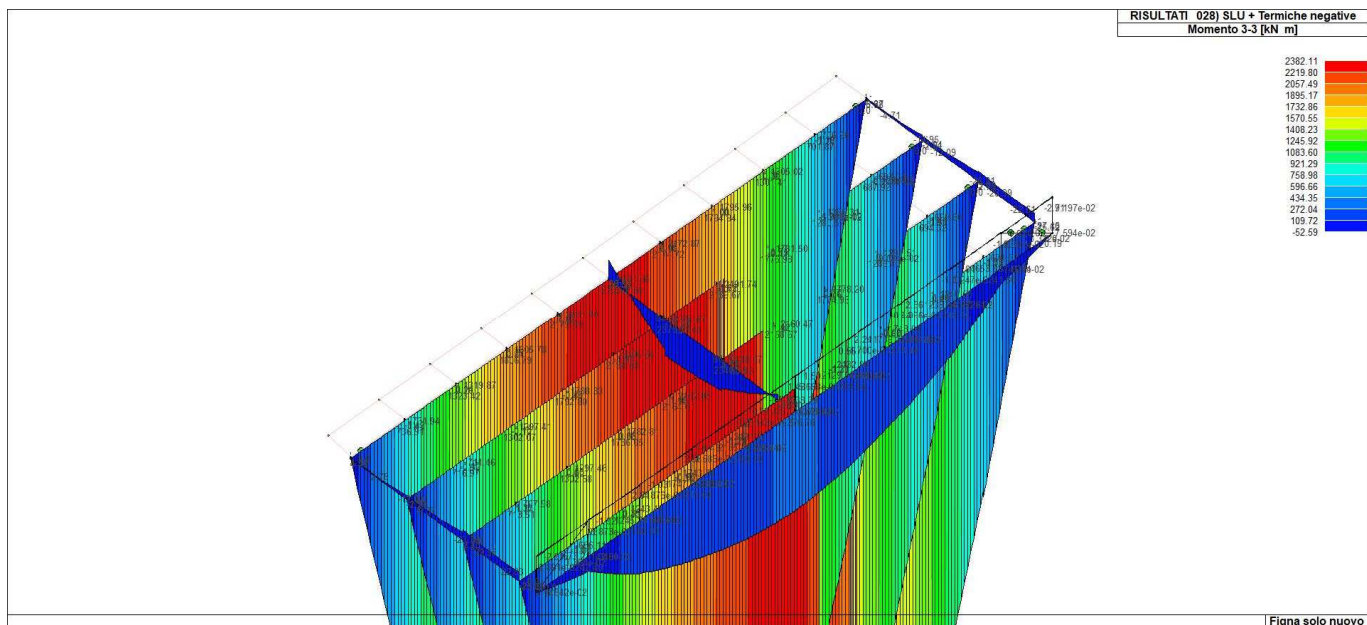
123	7	0.46	6.01e-03	5.47e-06	0.0	143.2	-130.56	-0.69	-9.24e-03	3.52e-03	6.01e-03	0.46
		0.47	2.38e-03	3.21e-04	-0.20	0.0	-55.30	-0.09	-1.87e-03	-1.96e-04	2.38e-03	0.47
		0.19	-2.88e-04	-1.36e-06	0.0	143.2	-55.30	-0.30	-1.87e-03	-1.96e-04	-2.88e-04	0.19
123	8	0.75	3.87e-03	5.27e-04	-0.20	0.0	-71.69	-0.36	-4.72e-03	5.23e-03	3.87e-03	0.75
		0.09	-2.89e-03	8.34e-06	0.0	143.2	-71.69	-0.56	-4.72e-03	5.23e-03	-2.89e-03	0.09
123	15	1.05	-2.98	7.11e-04	-0.20	0.0	-95.83	-0.50	-3.13	-4.28	-2.98	1.05
		0.20	-7.46	-5.56e-03	0.0	143.2	-95.83	-0.70	-3.13	-4.28	-7.46	0.20
123	18	1.05	8.84e-03	6.76e-04	-0.20	0.0	-108.74	-0.36	-5.29e-03	5.54e-04	8.84e-03	1.05
		0.39	1.26e-03	-2.08e-04	0.0	143.2	-108.74	-0.56	-5.29e-03	5.54e-04	1.26e-03	0.39
123	19	1.05	8.84e-03	6.75e-04	-0.20	0.0	-108.71	-0.36	-5.31e-03	5.95e-04	8.84e-03	1.05
		0.39	1.24e-03	-1.04e-06	0.0	143.2	-108.71	-0.57	-5.31e-03	5.95e-04	1.24e-03	0.39
123	20	0.47	2.38e-03	3.21e-04	-0.20	0.0	-55.30	-0.09	-1.87e-03	-1.96e-04	2.38e-03	0.47
		0.19	-2.88e-04	-1.36e-06	0.0	143.2	-55.30	-0.30	-1.87e-03	-1.96e-04	-2.88e-04	0.19
123	21	0.82	-8.49e-04	5.60e-04	-0.20	0.0	-82.37	-0.34	-2.74e-03	1.69e-03	-8.49e-04	0.82
		0.18	-4.77e-03	1.57e-06	0.0	143.2	-82.37	-0.55	-2.74e-03	1.69e-03	-4.77e-03	0.18
123	22	1.05	8.84e-03	6.76e-04	-0.20	0.0	-108.74	-0.36	-5.29e-03	5.54e-04	8.84e-03	1.05
		0.39	1.26e-03	-2.08e-04	0.0	143.2	-108.74	-0.56	-5.29e-03	5.54e-04	1.26e-03	0.39
123	24	1.50	0.01	9.64e-04	-0.27	0.0	-155.06	-0.53	-7.39e-03	9.78e-04	0.01	1.50
		0.55	3.18e-03	4.40e-06	0.0	143.2	-155.06	-0.80	-7.39e-03	9.78e-04	3.18e-03	0.55
123	27	1.05	8.84e-03	6.75e-04	-0.20	0.0	-108.71	-0.36	-5.31e-03	5.95e-04	8.84e-03	1.05
		0.39	1.24e-03	-1.04e-06	0.0	143.2	-108.71	-0.57	-5.31e-03	5.95e-04	1.24e-03	0.39
123	28	1.50	0.01	9.64e-04	-0.27	0.0	-154.78	-0.53	-7.69e-03	9.22e-04	0.01	1.50
		0.55	1.90e-03	-1.44e-06	0.0	143.2	-154.78	-0.80	-7.69e-03	9.22e-04	1.90e-03	0.55
123	29	1.05	8.84e-03	6.75e-04	-0.20	0.0	-108.71	-0.36	-5.31e-03	5.95e-04	8.84e-03	1.05
		0.39	1.24e-03	-1.04e-06	0.0	143.2	-108.71	-0.57	-5.31e-03	5.95e-04	1.24e-03	0.39
123	30	1.41	0.18	1.02e-03	-0.20	0.0	-151.73	-0.60	0.20	-0.83	-0.13	1.41
		0.41	-0.13	-3.11e-03	0.0	143.2	-151.73	-0.80	0.20	-0.83	0.18	0.41
123	33	1.45	0.09	9.10e-04	-0.20	0.0	-142.46	-0.63	-0.21	0.81	0.09	1.45
		0.41	-0.24	2.70e-03	0.0	143.2	-142.46	-0.83	-0.21	0.81	-0.24	0.41
123	48	3.94	-1.17e-03	1.00e-03	-0.20	0.0	-142.62	-4.12	0.05	-0.23	-0.06	3.94
		-2.10	-0.06	3.28e-04	0.0	143.2	-142.62	-4.32	0.05	-0.23	-1.17e-03	-2.10
123	54	3.53	0.08	1.27e-03	-0.20	0.0	-167.36	-3.53	0.12	-0.51	-0.09	3.53
		-1.66	-0.09	-1.36e-03	0.0	143.2	-167.36	-3.73	0.12	-0.51	0.08	-1.66
123	56	3.96	-0.03	1.25e-03	-0.20	0.0	-164.07	-4.12	0.02	-0.10	-0.04	3.96
		-2.08	-0.04	3.29e-04	0.0	143.2	-164.07	-4.32	0.02	-0.10	-0.03	-2.08
123	57	2.49	0.06	6.62e-04	-0.20	0.0	-126.83	2.30	-0.13	0.49	0.06	-0.67
		-0.67	-0.14	9.48e-04	0.0	143.2	-126.83	2.10	-0.13	0.49	-0.14	2.49
123	62	1.44	0.11	1.00e-03	-0.20	0.0	-149.80	-0.62	0.12	-0.53	-0.09	1.44
		0.40	-0.09	-1.95e-03	0.0	143.2	-149.80	-0.83	0.12	-0.53	0.11	0.40
123	65	1.43	0.05	9.34e-04	-0.20	0.0	-144.39	-0.60	-0.14	0.51	0.05	1.43
		0.42	-0.16	1.54e-03	0.0	143.2	-144.39	-0.81	-0.14	0.51	-0.16	0.42
123	86	2.80	0.05	1.16e-03	-0.20	0.0	-160.07	-2.50	0.08	-0.34	-0.07	2.80
		-0.93	-0.07	-9.62e-04	0.0	143.2	-160.07	-2.71	0.08	-0.34	0.05	-0.93
123	88	3.06	-0.02	1.15e-03	-0.20	0.0	-158.11	-2.87	0.01	-0.08	-0.04	3.06
		-1.19	-0.04	3.27e-05	0.0	143.2	-158.11	-3.07	0.01	-0.08	-0.02	-1.19
123	89	1.76	0.03	7.70e-04	-0.20	0.0	-134.13	1.28	-0.09	0.32	0.03	0.07
		0.07	-0.10	5.52e-04	0.0	143.2	-134.13	1.07	-0.09	0.32	-0.10	1.76
124	7	0.73	5.42e-05	9.22e-04	-0.20	0.0	-54.18	-0.49	7.69e-05	1.57e-03	-5.60e-05	0.73
		-0.12	-5.60e-05	0.0	0.0	143.2	-54.18	-0.70	7.69e-05	1.57e-03	5.42e-05	-0.12
124	15	1.48	10.20	1.77e-03	-0.20	0.0	-93.57	-1.20	14.29	-9.08	-10.26	1.48
		-0.39	-10.26	-0.01	0.0	143.2	-93.57	-1.41	14.29	-9.08	10.20	-0.39
124	18	1.56	2.85e-03	1.90e-03	-0.20	0.0	-106.30	-1.20	-7.08e-04	6.46e-03	2.85e-03	1.56
		-0.30	1.83e-03	-2.03e-04	0.0	143.2	-106.30	-1.40	-7.08e-04	6.46e-03	1.83e-03	-0.30
124	19	1.57	2.85e-03	1.90e-03	-0.20	0.0	-106.26	-1.21	-6.34e-04	6.54e-03	2.85e-03	1.57
		-0.30	1.95e-03	4.72e-06	0.0	143.2	-106.26	-1.41	-6.34e-04	6.54e-03	1.95e-03	-0.30
124	20	0.73	5.42e-05	9.22e-04	-0.20	0.0	-54.18	-0.49	7.69e-05	1.57e-03	-5.60e-05	0.73
		-0.12	-5.60e-05	0.0	0.0	143.2	-54.18	-0.70	7.69e-05	1.57e-03	5.42e-05	-0.12
124	21	1.17	1.73e-04	1.43e-03	-0.20	0.0	-80.33	-0.90	3.24e-03	1.58e-03	-4.46e-03	1.17
		-0.27	-4.46e-03	-3.43e-06	0.0	143.2	-80.33	-1.10	3.24e-03	1.58e-03	1.73e-04	-0.27
124	22	1.56	2.85e-03	1.90e-03	-0.20	0.0	-106.30	-1.20	-7.08e-04	6.46e-03	2.85e-03	1.56
		-0.30	1.83e-03	-2.03e-04	0.0	143.2	-106.30	-1.40	-7.08e-04	6.46e-03	1.83e-03	-0.30
124	24	2.24	5.54e-03	2.71e-03	-0.27	0.0	-151.54	-1.74	-9.59e-04	9.49e-03	5.54e-03	2.24
		-0.44	4.17e-03	1.34e-05	0.0	143.2	-151.54	-2.01	-9.59e-04	9.49e-03	4.17e-03	-0.44
124	27	1.57	2.85e-03	1.90e-03	-0.20	0.0	-106.26	-1.21	-6.34e-04	6.54e-03	2.85e-03	1.57
		-0.30	1.95e-03	4.72e-06	0.0	143.2	-106.26	-1.41	-6.34e-04	6.54e-03	1.95e-03	-0.30
124	28	2.24	4.29e-03	2.71e-03	-0.27	0.0	-151.26	-1.73	-9.63e-04	9.57e-03	4.29e-03	2.24
		-0.44	2.91e-03	7.21e-06	0.0	143.2	-151.26	-2.01	-9.63e-04	9.57e-03	2.91e-03	-0.44
124	29	1.57	2.85e-03	1.90e-03	-0.20	0.0	-106.26	-1.21	-6.34e-04	6.54e-03	2.85e-03	1.57
		-0.30	1.95e-03	4.72e-06	0.0	143.2	-106.26	-1.41	-6.34e-04	6.54e-03	1.95e-03	-0.30
124	30	3.47	0.16	2.63e-03	-0.20	0.0	-158.12	-1.65	0.18	-0.77	-0.13	3.47
		-0.43	-0.13	-3.17e-03	0.0	143.2	-158.12	-1.85	0.18	-0.77	0.16	-0.43
124	33	0.72	0.05	2.46e-03	-0.20	0.0	-129.48	-1.67	-0.18	0.72	0.05	0.72
		-0.41	-0.22	2.67e-03	0.0	143.2	-129.48	-1.87	-0.18	0.72	-0.22	-0.41
124	46	4.55	0.11	2.59e-03	-0.20	0.0	-161.64	-4.54	0.16	-0.63	-0.12	4.55
		-2.50	-0.12	-1.70e-03	0.0	143.2	-161.64	-4.74	0.16	-0.63	0.11	-2.50
124	48	4.13	9.30e-03	2.55e-03	-0.20	0.0	-155.73	-5.11	0.07	-0.25	-0.08	4.13
		-2.91	-0.08	-6.45e-05	0.0	143.2	-155.73	-5.31	0.07	-0.25	9.30e-03	-2.91

124	54	4.49	0.08	2.60e-03	-0.20	0.0	-180.84	-4.42	0.12	-0.50	-0.10	4.49
		-2.40	-0.10	-1.59e-03	0.0	143.2	-180.84	-4.62	0.12	-0.50	0.08	-2.40
124	57	1.55	0.03	2.49e-03	-0.20	0.0	-106.77	1.10	-0.12	0.45	0.06	-0.30
		-0.30	-0.14	1.09e-03	0.0	143.2	-106.77	0.90	-0.12	0.45	-0.14	1.55
124	62	2.95	0.09	2.60e-03	-0.20	0.0	-152.54	-1.67	0.12	-0.50	-0.09	2.95
		-0.44	-0.09	-2.00e-03	0.0	143.2	-152.54	-1.87	0.12	-0.50	0.09	-0.44
124	65	1.23	0.02	2.49e-03	-0.20	0.0	-135.07	-1.64	-0.11	0.45	0.02	1.23
		-0.40	-0.15	1.50e-03	0.0	143.2	-135.07	-1.84	-0.11	0.45	-0.15	-0.40
124	78	3.66	0.06	2.58e-03	-0.20	0.0	-155.02	-3.50	0.10	-0.42	-0.09	3.66
		-1.75	-0.09	-1.22e-03	0.0	143.2	-155.02	-3.70	0.10	-0.42	0.06	-1.75
124	80	3.40	-1.87e-03	2.55e-03	-0.20	0.0	-151.48	-3.86	0.05	-0.19	-0.07	3.40
		-2.01	-0.07	-2.54e-04	0.0	143.2	-151.48	-4.06	0.05	-0.19	-1.87e-03	-2.01
124	86	3.63	0.04	2.58e-03	-0.20	0.0	-167.54	-3.45	0.08	-0.34	-0.08	3.63
		-1.70	-0.08	-1.12e-03	0.0	143.2	-167.54	-3.65	0.08	-0.34	0.04	-1.70
124	89	0.86	8.26e-03	2.51e-03	-0.20	0.0	-120.07	0.13	-0.08	0.29	8.26e-03	0.55
		0.55	-0.11	6.18e-04	0.0	143.2	-120.07	-0.07	-0.08	0.29	-0.11	0.86
125	7	0.88	9.53e-03	1.45e-03	-0.20	0.0	-52.10	-0.74	6.04e-03	5.49e-03	8.81e-04	0.88
		-0.33	8.81e-04	1.99e-06	0.0	143.2	-52.10	-0.94	6.04e-03	5.49e-03	9.53e-03	-0.33
125	10	1.28	0.02	2.10e-03	-0.20	0.0	-74.79	-1.13	0.01	1.71e-03	-3.51e-04	1.28
		-0.48	-3.51e-04	-8.97e-06	0.0	143.2	-74.79	-1.33	0.01	1.71e-03	0.72	-0.48
125	15	1.59	7.38	2.62e-03	-0.20	0.0	-89.31	-1.50	-3.23	-4.41	7.38	1.59
		-0.70	2.76	-5.71e-03	0.0	143.2	-89.31	-1.70	-3.23	-4.41	2.76	-0.70
125	18	1.79	0.02	2.92e-03	-0.20	0.0	-101.93	-1.65	8.85e-03	0.02	5.74e-03	1.79
		-0.72	5.74e-03	-1.93e-04	0.0	143.2	-101.93	-1.86	8.85e-03	0.02	0.02	-0.72
125	19	1.80	0.02	2.92e-03	-0.20	0.0	-101.88	-1.66	8.96e-03	0.02	5.89e-03	1.80
		-0.72	5.89e-03	1.42e-05	0.0	143.2	-101.88	-1.86	8.96e-03	0.02	0.02	-0.72
125	20	0.88	9.53e-03	1.45e-03	-0.20	0.0	-52.10	-0.74	6.04e-03	5.49e-03	8.81e-04	0.88
		-0.33	8.81e-04	1.99e-06	0.0	143.2	-52.10	-0.94	6.04e-03	5.49e-03	9.53e-03	-0.33
125	21	1.34	0.02	2.17e-03	-0.20	0.0	-76.99	-1.21	0.01	6.50e-03	4.01e-04	1.34
		-0.55	4.01e-04	-1.72e-06	0.0	143.2	-76.99	-1.42	0.01	6.50e-03	0.02	-0.55
125	22	1.79	0.02	2.92e-03	-0.20	0.0	-101.93	-1.65	8.85e-03	0.02	5.74e-03	1.79
		-0.72	5.74e-03	-1.93e-04	0.0	143.2	-101.93	-1.86	8.85e-03	0.02	0.02	-0.72
125	24	2.57	0.03	4.16e-03	-0.27	0.0	-145.28	-2.38	0.01	0.02	9.91e-03	2.57
		-1.03	9.91e-03	2.92e-05	0.0	143.2	-145.28	-2.65	0.01	0.02	0.03	-1.03
125	27	1.80	0.02	2.92e-03	-0.20	0.0	-101.88	-1.66	8.96e-03	0.02	5.89e-03	1.80
		-0.72	5.89e-03	1.42e-05	0.0	143.2	-101.88	-1.86	8.96e-03	0.02	0.02	-0.72
125	28	2.56	0.03	4.16e-03	-0.27	0.0	-145.00	-2.37	0.01	0.02	8.71e-03	2.56
		-1.03	8.71e-03	2.11e-05	0.0	143.2	-145.00	-2.65	0.01	0.02	0.03	-1.03
125	29	1.80	0.02	2.92e-03	-0.20	0.0	-101.88	-1.66	8.96e-03	0.02	5.89e-03	1.80
		-0.72	5.89e-03	1.42e-05	0.0	143.2	-101.88	-1.86	8.96e-03	0.02	0.02	-0.72
125	30	3.66	0.23	4.01e-03	-0.20	0.0	-163.06	-3.93	0.24	-0.70	-0.11	3.66
		-0.94	-0.11	-3.20e-03	0.0	143.2	-163.06	-4.13	0.24	-0.70	0.23	-0.94
125	33	1.12	6.21e-03	3.76e-03	-0.20	0.0	-113.24	-0.50	-0.13	0.64	6.21e-03	1.12
		-0.91	-0.17	2.62e-03	0.0	143.2	-113.24	-0.71	-0.13	0.64	-0.17	-0.91
125	46	4.66	0.19	3.91e-03	-0.20	0.0	-176.46	-5.31	0.22	-0.59	-0.02	4.66
		-2.74	-0.02	-1.97e-03	0.0	143.2	-176.46	-5.52	0.22	-0.59	0.19	-2.74
125	48	4.27	0.10	3.83e-03	-0.20	0.0	-167.62	-4.80	0.13	-0.26	0.03	4.27
		-3.09	0.03	-3.81e-04	0.0	143.2	-167.62	-5.00	0.13	-0.26	0.10	-3.09
125	54	4.53	0.16	3.93e-03	-0.20	0.0	-191.44	-5.12	0.18	-0.47	-0.11	4.53
		-2.59	-0.11	-1.76e-03	0.0	143.2	-191.44	-5.32	0.18	-0.47	0.16	-2.59
125	57	0.73	9.07e-03	3.84e-03	-0.20	0.0	-84.86	0.68	-0.07	0.41	9.07e-03	0.25
		0.25	-0.10	1.17e-03	0.0	143.2	-84.86	0.48	-0.07	0.41	-0.10	0.73
125	62	3.18	0.16	3.96e-03	-0.20	0.0	-153.53	-3.29	0.17	-0.45	-0.08	3.18
		-0.95	-0.08	-2.03e-03	0.0	143.2	-153.53	-3.49	0.17	-0.45	0.16	-0.95
125	73	1.86	0.05	3.81e-03	-0.20	0.0	-127.43	-1.84	0.07	-0.10	-0.11	1.86
		-0.66	-0.11	1.14e-04	0.0	143.2	-127.43	-2.04	0.07	-0.10	0.05	-0.66
125	78	3.83	0.14	3.90e-03	-0.20	0.0	-162.40	-4.19	0.16	-0.40	-0.03	3.83
		-2.09	-0.03	-1.39e-03	0.0	143.2	-162.40	-4.39	0.16	-0.40	0.14	-2.09
125	80	3.60	0.08	3.85e-03	-0.20	0.0	-157.06	-3.87	0.11	-0.20	-4.40e-05	3.60
		-2.31	-4.40e-05	-4.59e-04	0.0	143.2	-157.06	-4.07	0.11	-0.20	0.08	-2.31
125	86	3.77	0.12	3.91e-03	-0.20	0.0	-172.34	-4.08	0.14	-0.32	-0.09	3.77
		-2.00	-0.09	-1.23e-03	0.0	143.2	-172.34	-4.28	0.14	-0.32	0.12	-2.00
125	89	1.01	-0.01	3.86e-03	-0.20	0.0	-103.96	-0.35	-0.03	0.26	-0.01	1.01
		0.15	-0.05	6.46e-04	0.0	143.2	-103.96	-0.55	-0.03	0.26	-0.05	0.15
126	7	1.01	0.01	1.88e-03	-0.20	0.0	-49.34	-1.08	-3.24e-03	0.01	0.01	1.01
		-0.68	8.47e-03	1.60e-05	0.0	143.2	-49.34	-1.28	-3.24e-03	0.01	8.47e-03	-0.68
126	9	2.04	0.03	3.81e-03	-0.20	0.0	-98.29	-2.30	-0.02	0.04	0.03	2.04
		-1.39	4.42e-03	5.70e-05	0.0	143.2	-98.29	-2.50	-0.02	0.04	4.42e-03	-1.39
126	15	1.72	2.15	3.28e-03	-0.20	0.0	-84.27	-1.94	-1.26	-0.96	2.15	1.72
		-1.20	0.34	-1.22e-03	0.0	143.2	-84.27	-2.14	-1.26	-0.96	0.34	-1.20
126	18	2.00	0.03	3.72e-03	-0.20	0.0	-96.32	-2.24	-0.01	0.03	0.03	2.00
		-1.35	0.01	-1.65e-04	0.0	143.2	-96.32	-2.44	-0.01	0.03	0.01	-1.35
126	19	2.00	0.03	3.72e-03	-0.20	0.0	-96.27	-2.24	-0.01	0.03	0.03	2.00
		-1.35	0.01	4.30e-05	0.0	143.2	-96.27	-2.44	-0.01	0.03	0.01	-1.35
126	20	1.01	0.01	1.88e-03	-0.20	0.0	-49.34	-1.08	-3.24e-03	0.01	0.01	1.01
		-0.68	8.47e-03	1.60e-05	0.0	143.2	-49.34	-1.28	-3.24e-03	0.01	8.47e-03	-0.68
126	21	1.50	0.02	2.77e-03	-0.20	0.0	-72.76	-1.66	-5.00e-03	0.02	0.02	1.50

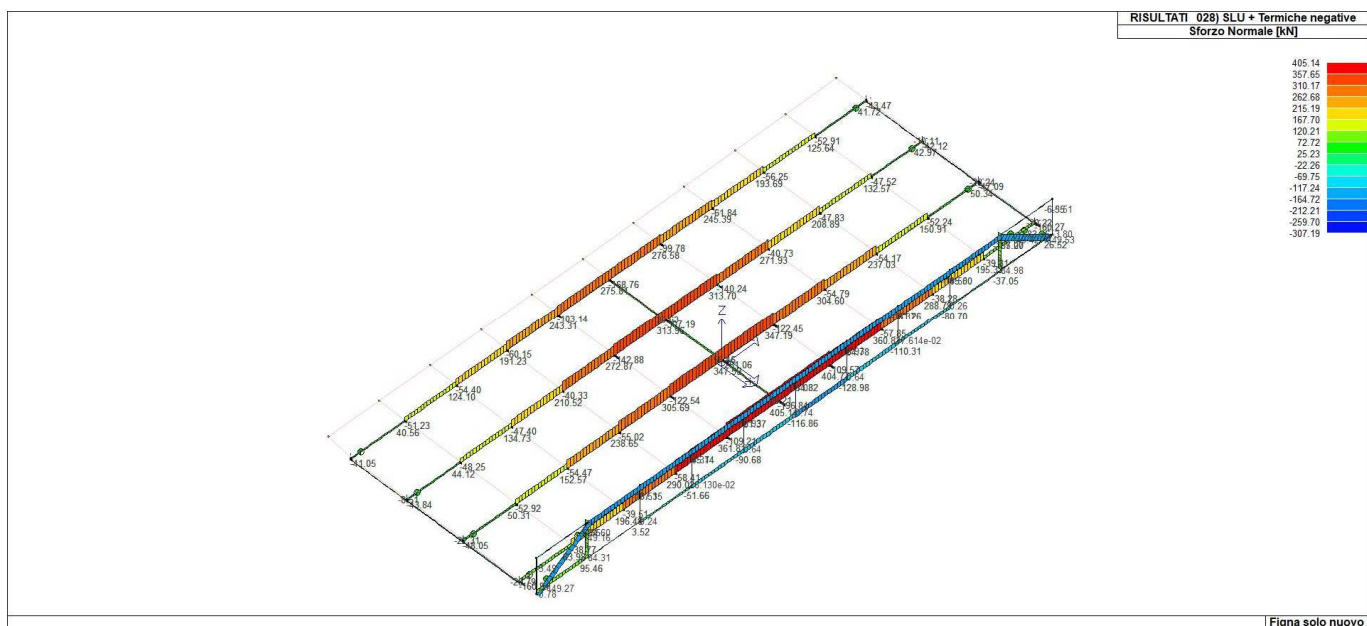
		-1.02	0.01	2.19e-05	0.0	143.2	-72.76	-1.86	-5.00e-03	0.02	0.01	-1.02
126	22	2.00	0.03	3.72e-03	-0.20	0.0	-96.32	-2.24	-0.01	0.03	0.03	2.00
		-1.35	0.01	-1.65e-04	0.0	143.2	-96.32	-2.44	-0.01	0.03	0.01	-1.35
126	24	2.85	0.04	5.30e-03	-0.27	0.0	-137.26	-3.20	-0.02	0.04	0.04	2.85
		-1.93	0.02	7.23e-05	0.0	143.2	-137.26	-3.47	-0.02	0.04	0.02	-1.93
126	27	2.00	0.03	3.72e-03	-0.20	0.0	-96.27	-2.24	-0.01	0.03	0.03	2.00
		-1.35	0.01	4.30e-05	0.0	143.2	-96.27	-2.44	-0.01	0.03	0.01	-1.35
126	28	2.84	0.04	5.30e-03	-0.27	0.0	-137.00	-3.20	-0.02	0.04	0.04	2.84
		-1.93	0.02	6.21e-05	0.0	143.2	-137.00	-3.47	-0.02	0.04	0.02	-1.93
126	29	2.00	0.03	3.72e-03	-0.20	0.0	-96.27	-2.24	-0.01	0.03	0.03	2.00
		-1.35	0.01	4.30e-05	0.0	143.2	-96.27	-2.44	-0.01	0.03	0.01	-1.35
126	30	3.93	0.35	5.18e-03	-0.20	0.0	-167.26	-4.68	0.26	-0.36	-0.03	3.93
		-2.92	-0.03	-3.08e-03	0.0	143.2	-167.26	-4.89	0.26	-0.36	0.35	-2.92
126	33	1.40	0.05	4.79e-03	-0.20	0.0	-94.60	-1.24	-0.11	0.36	0.05	1.40
		-0.53	-0.12	2.57e-03	0.0	143.2	-94.60	-1.45	-0.11	0.36	-0.12	-0.53
126	46	4.94	0.30	5.08e-03	-0.20	0.0	-191.62	-6.08	0.22	0.21	0.03	4.94
		-3.91	0.03	-2.04e-03	0.0	143.2	-191.62	-6.28	0.22	0.21	0.30	-3.91
126	54	4.74	0.27	5.10e-03	-0.20	0.0	-200.04	-5.79	0.19	0.10	0.02	4.74
		-3.69	0.02	-1.76e-03	0.0	143.2	-200.04	-5.99	0.19	0.10	0.27	-3.69
126	57	0.59	4.90e-03	4.87e-03	-0.20	0.0	-61.82	-0.14	-0.05	-0.10	4.90e-03	0.59
		0.25	-0.04	1.25e-03	0.0	143.2	-61.82	-0.34	-0.05	-0.10	-0.04	0.25
126	62	3.46	0.26	5.10e-03	-0.20	0.0	-153.49	-4.04	0.19	-0.21	-0.01	3.46
		-2.47	-0.01	-1.93e-03	0.0	143.2	-153.49	-4.24	0.19	-0.21	0.26	-2.47
126	73	2.13	0.12	4.85e-03	-0.20	0.0	-115.42	-2.24	0.10	-0.22	-0.04	2.13
		-1.45	-0.04	2.00e-04	0.0	143.2	-115.42	-2.44	0.10	-0.22	0.12	-1.45
126	78	4.11	0.24	5.04e-03	-0.20	0.0	-169.44	-4.95	0.17	0.15	0.02	4.11
		-3.11	0.02	-1.40e-03	0.0	143.2	-169.44	-5.15	0.17	0.15	0.24	-3.11
126	86	4.00	0.21	5.06e-03	-0.20	0.0	-175.28	-4.78	0.15	0.08	0.02	4.00
		-2.99	0.02	-1.21e-03	0.0	143.2	-175.28	-4.98	0.15	0.08	0.21	-2.99
126	89	1.34	0.02	4.91e-03	-0.20	0.0	-86.58	-1.15	-4.79e-03	-0.08	6.60e-03	1.34
		-0.45	6.60e-03	7.04e-04	0.0	143.2	-86.58	-1.35	-4.79e-03	-0.08	0.02	-0.45
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T			
		-358.23	-16.11	-0.03	-22.82	-283.49	-502.07	-14.14	-52.27			
		2382.11	10.20	0.03	0.0	623.98	591.18	14.29	56.03			



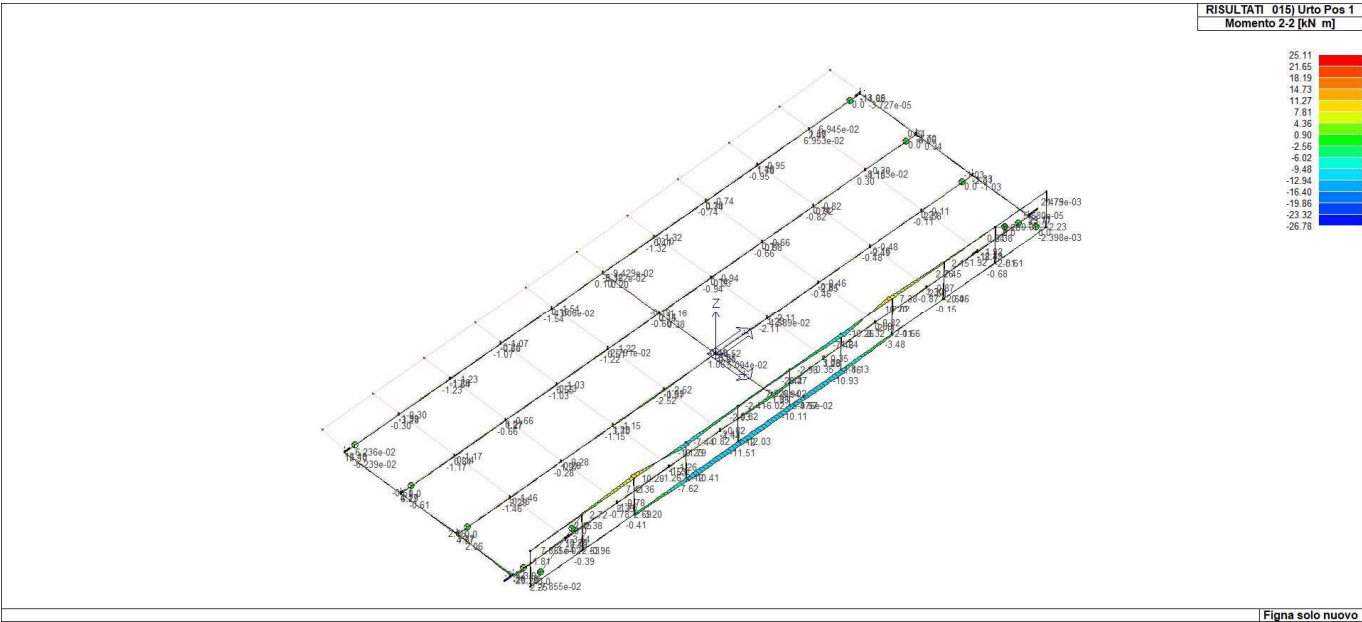
43\_RIS\_M2\_028\_SLU + Termiche negative



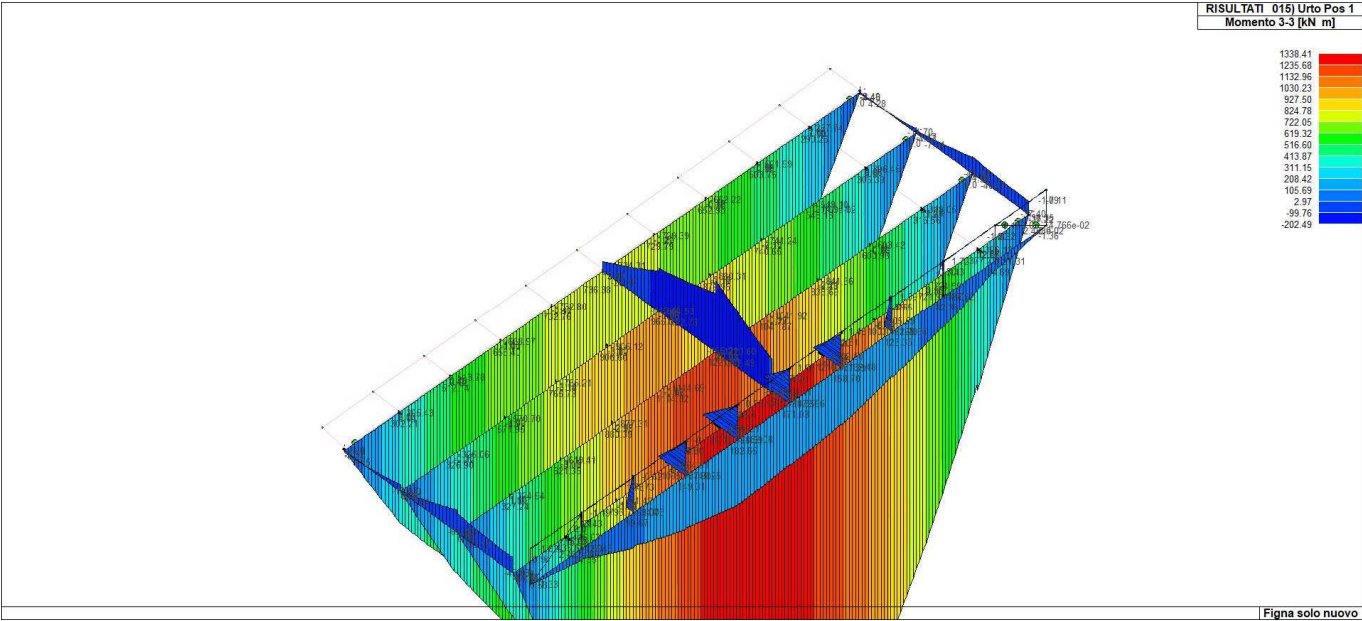
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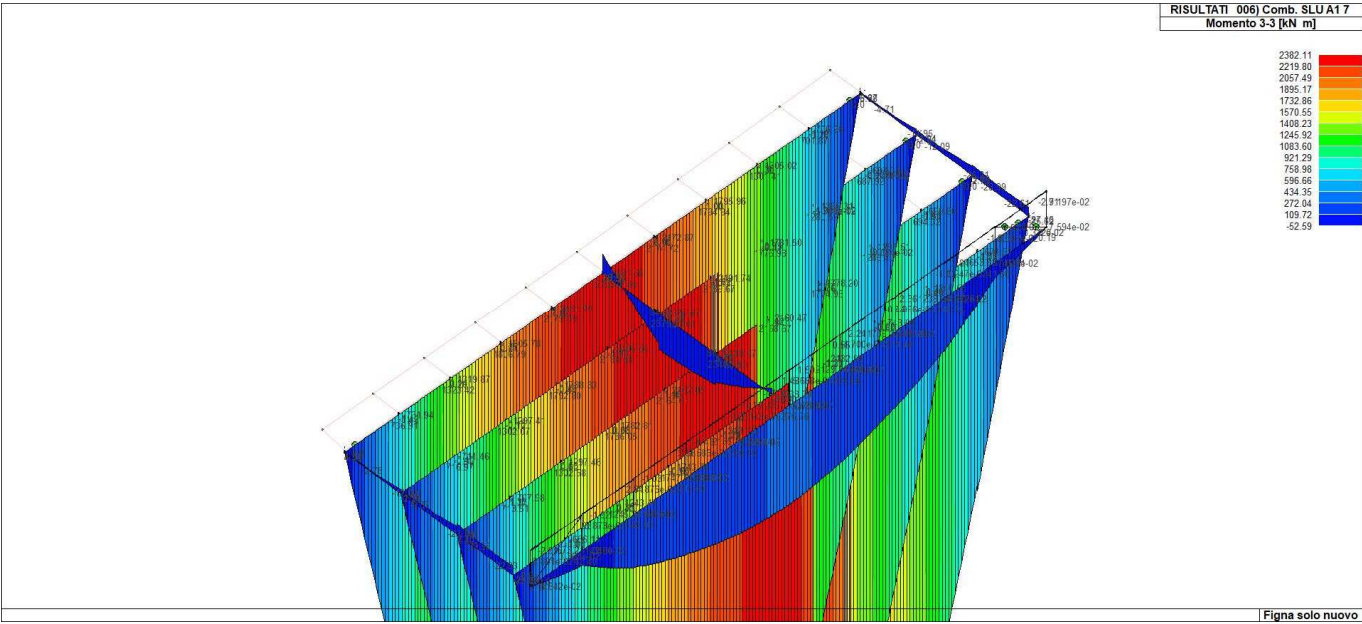
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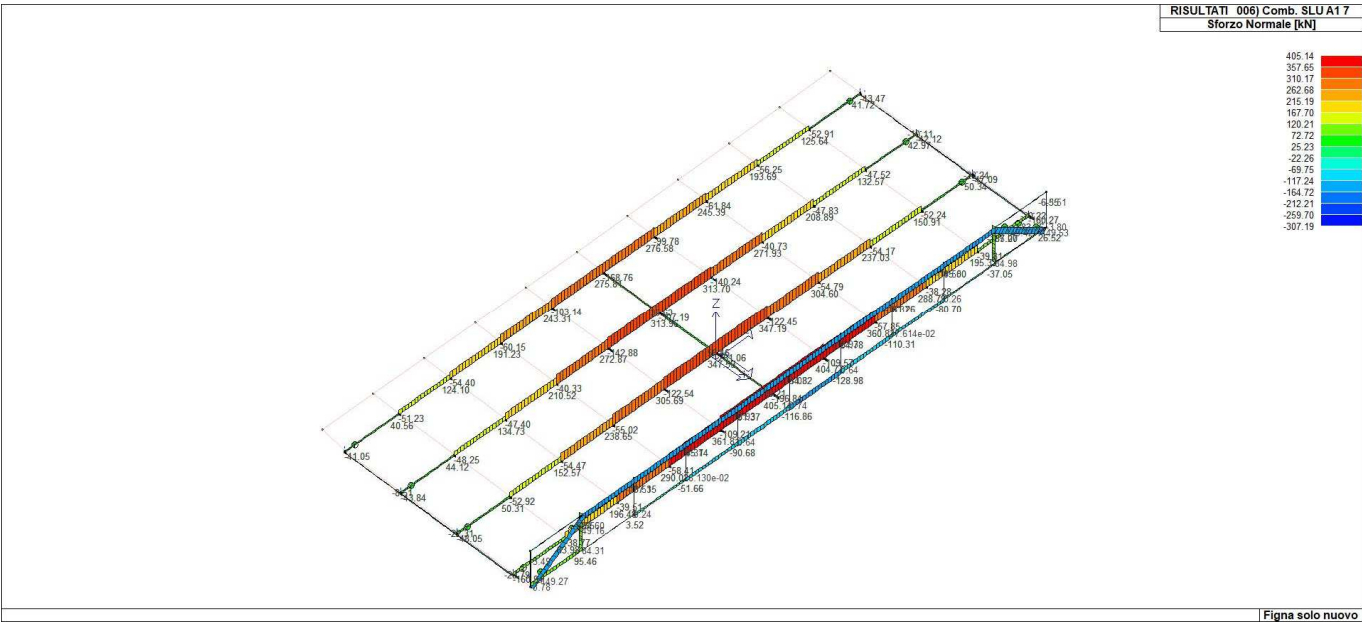
43\_RIS\_M2\_015\_Urto Pos 1



43\_RIS\_M3\_015\_Urto Pos 1



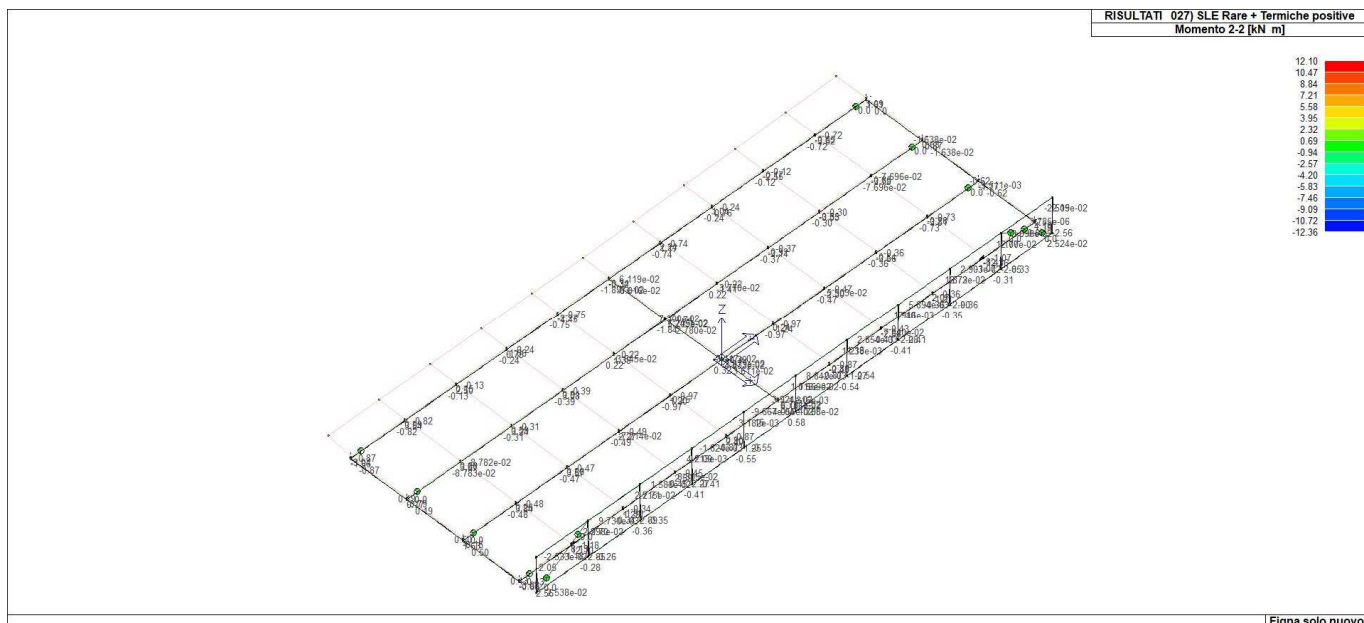
43\_RIS\_M3\_006\_Comb. SLU A1 7



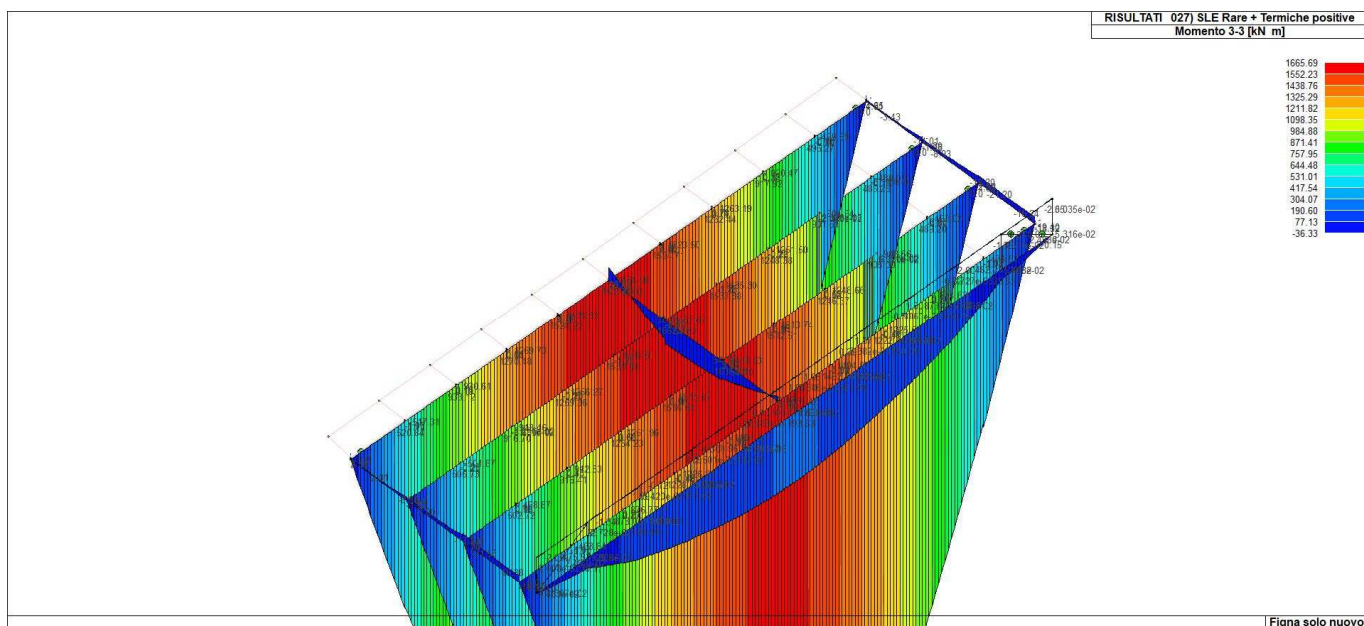
43\_RIS\_N\_006\_Comb. SLU A1 7



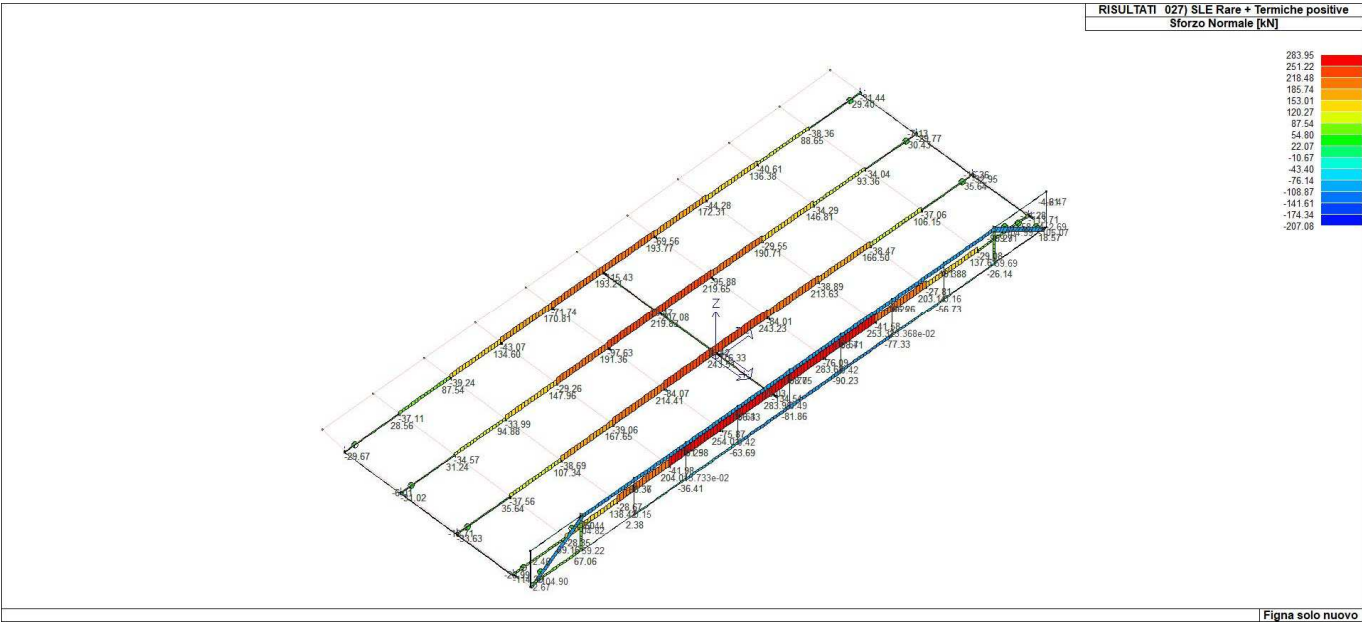




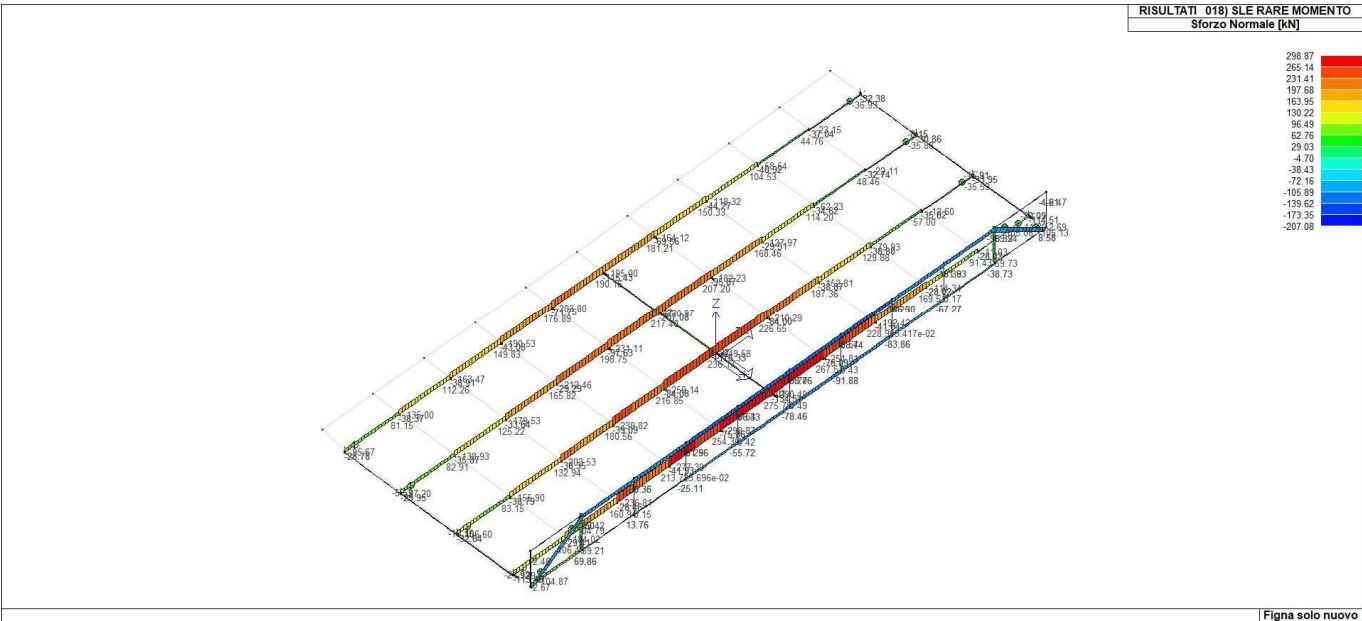
43\_RIS\_M2\_027\_SLE Rare + Termiche positive



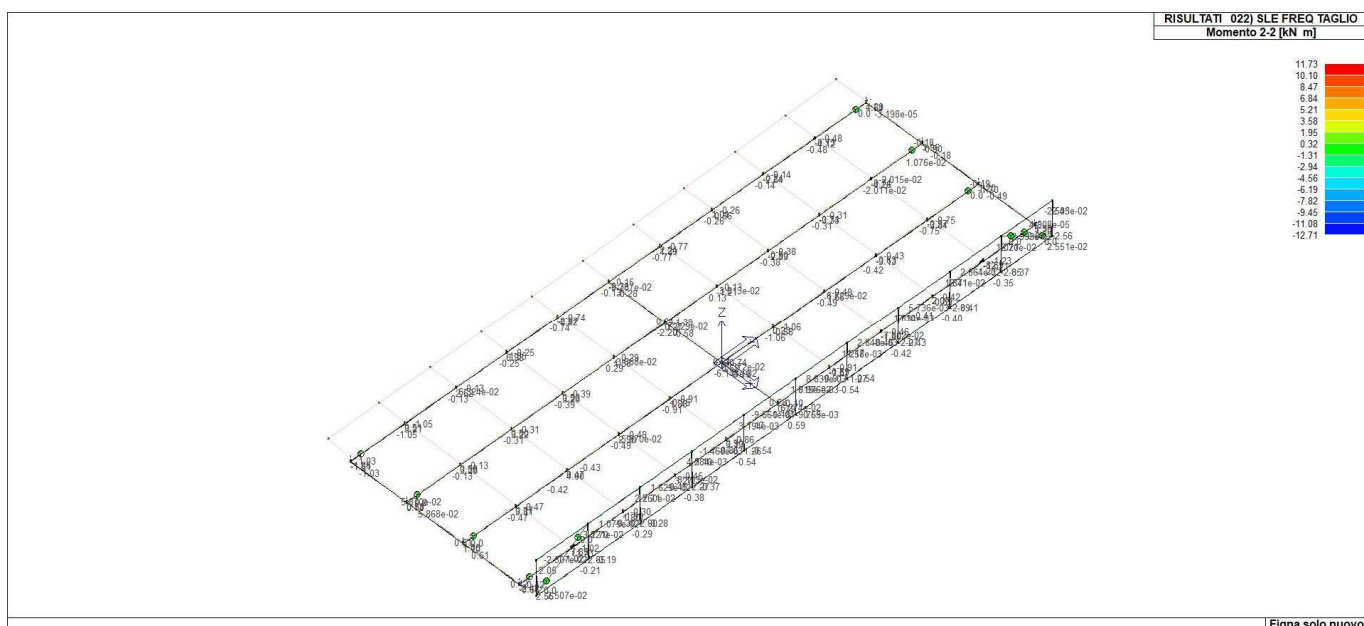
43\_RIS\_M3\_027\_SLE Rare + Termiche positive



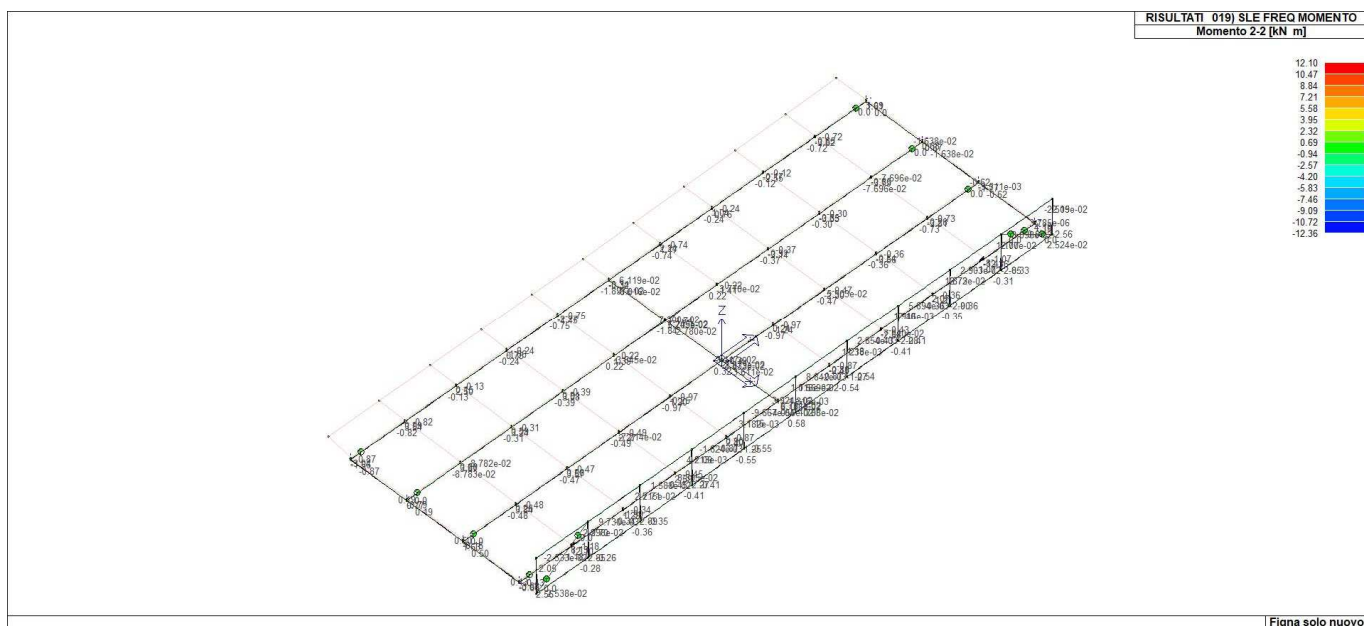
43\_RIS\_N\_027\_SLE Rare + Termiche positive



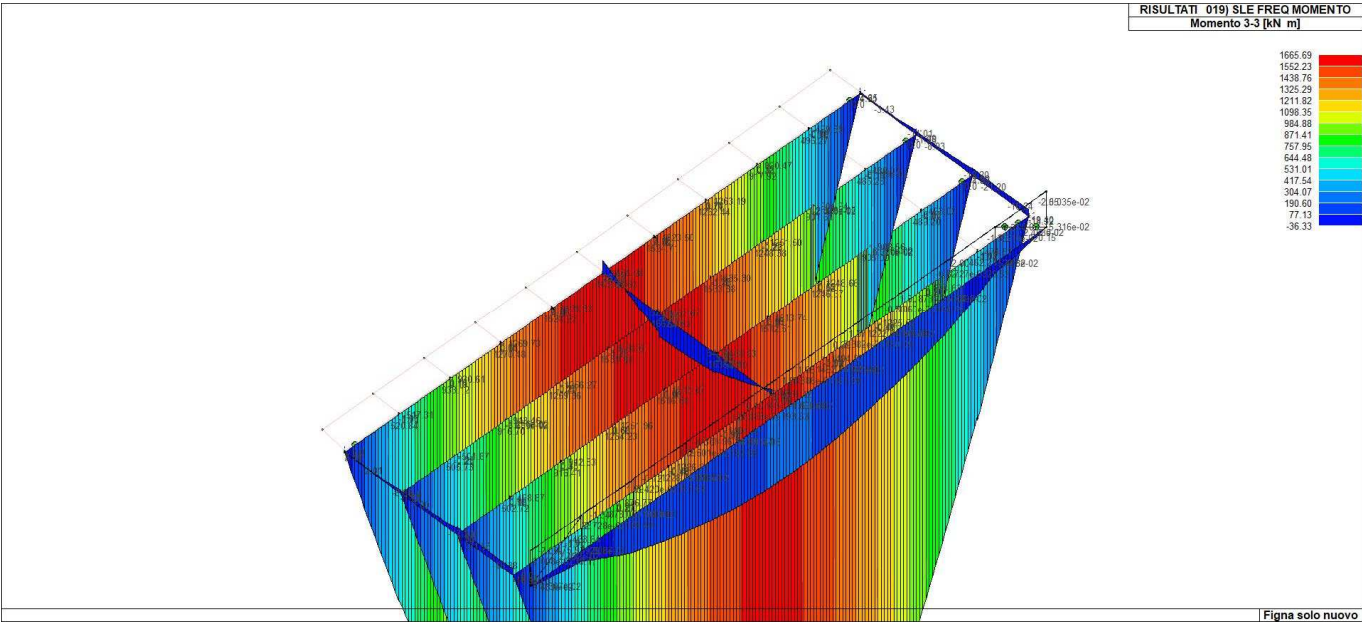
43\_RIS\_N\_018\_SLE RARE MOMENTO



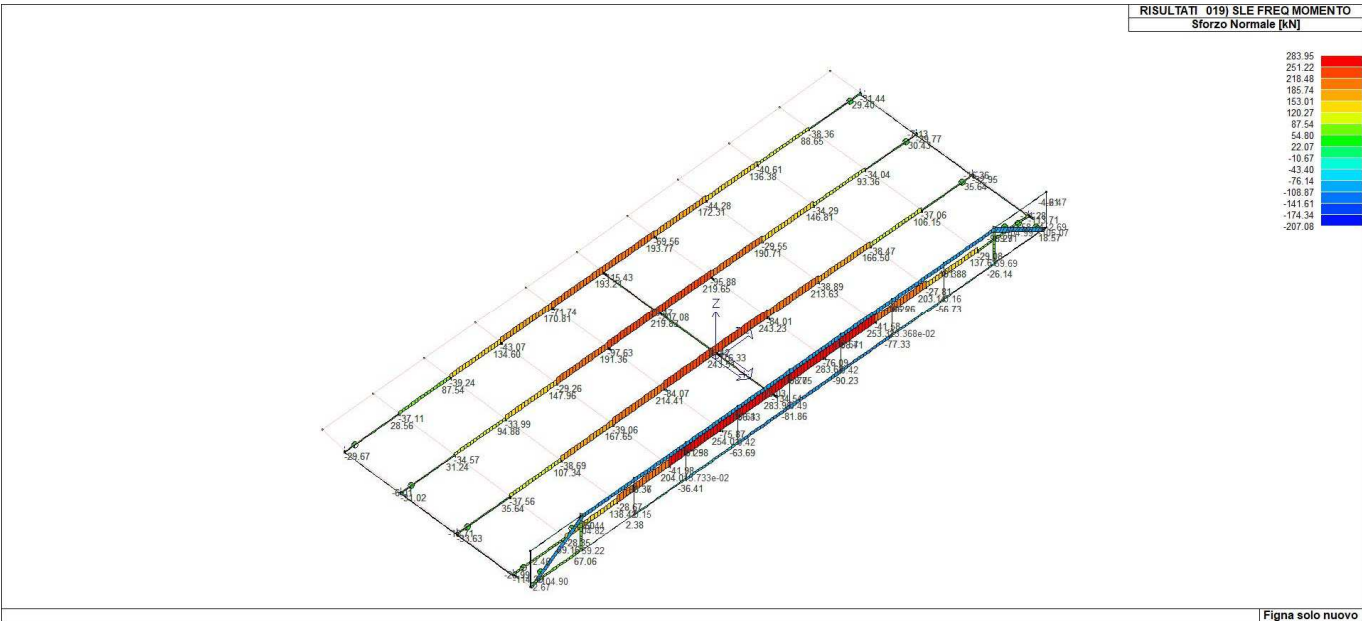
43\_RIS\_M2\_022\_SLE FREQ TAGLIO



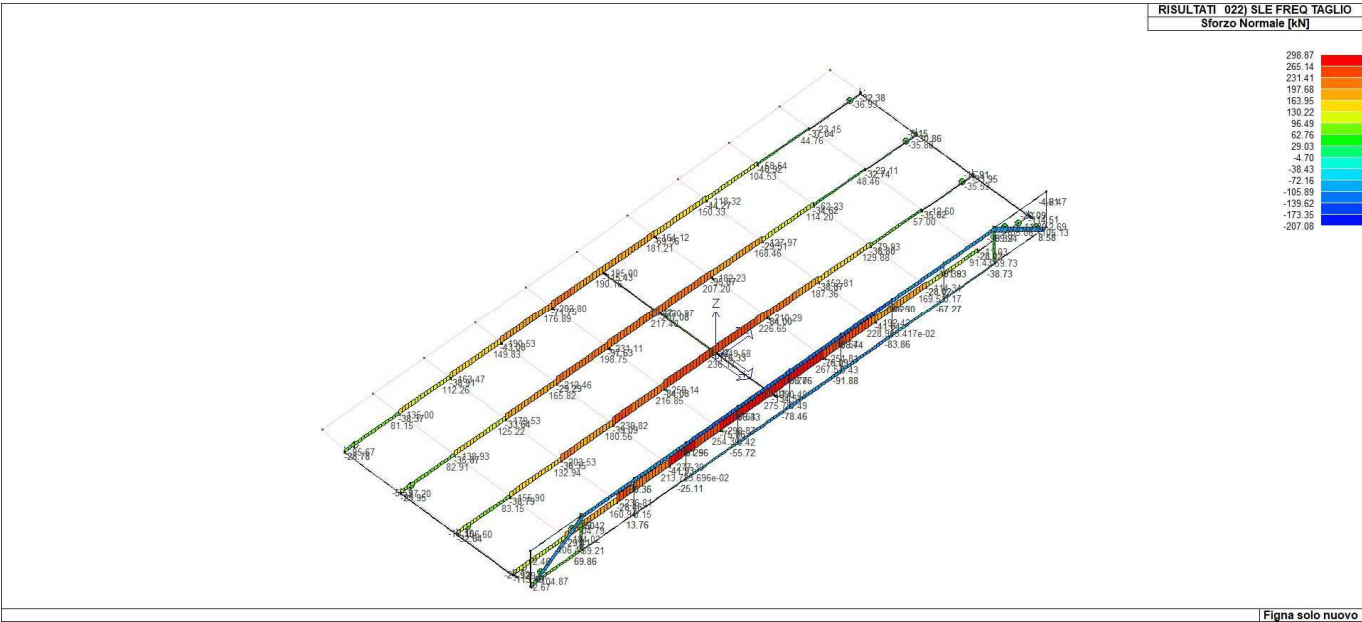
43\_RIS\_M2\_019\_SLE FREQ MOMENTO



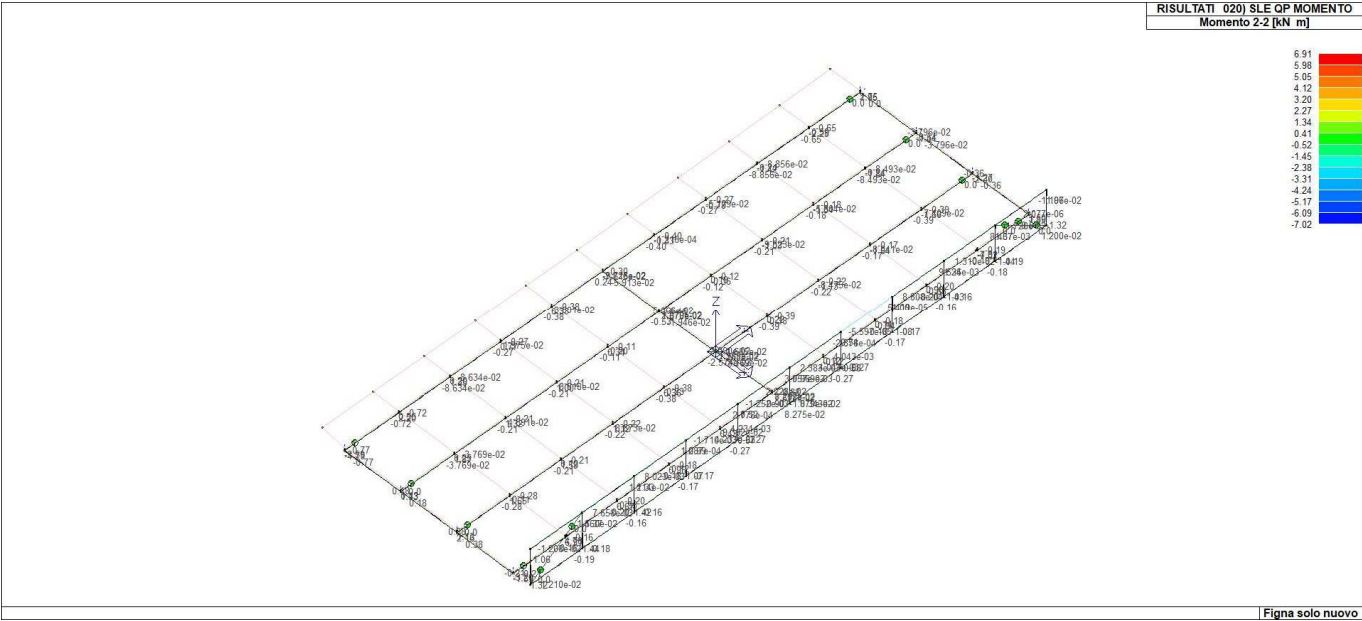
43\_RIS\_M3\_019\_SLE FREQ MOMENTO



43\_RIS\_N\_019\_SLE FREQ MOMENTO

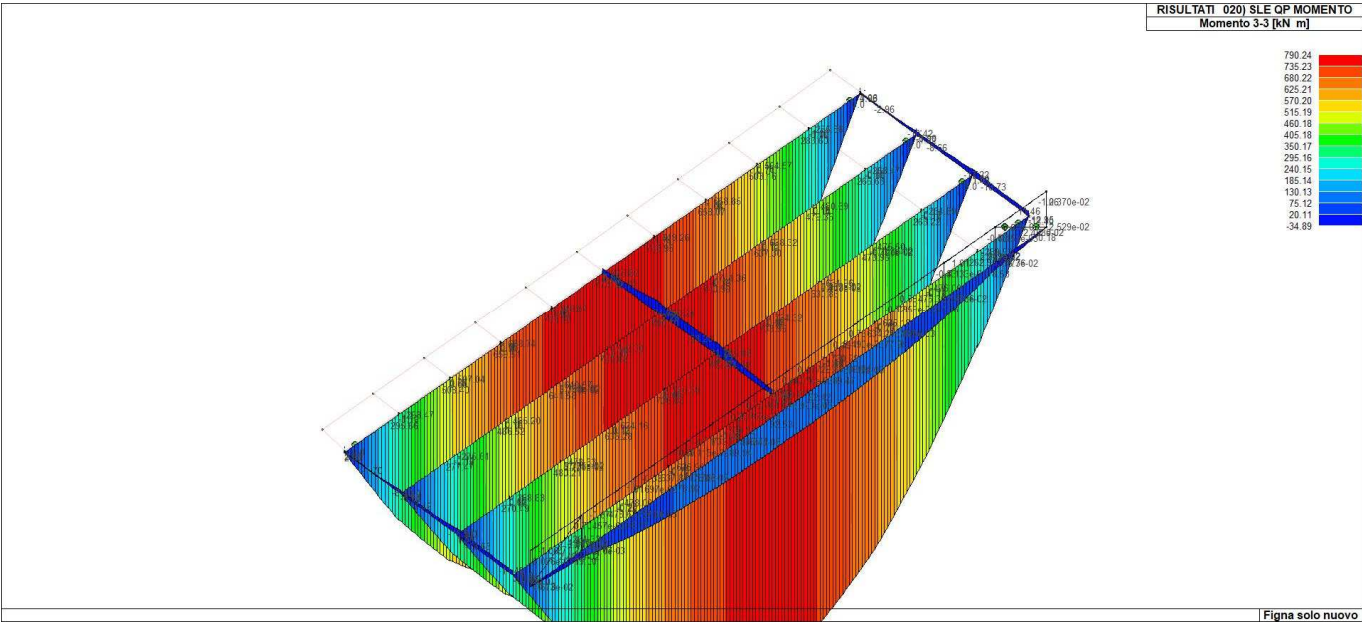


43\_RIS\_N\_022\_SLE FREQ TAGLIO

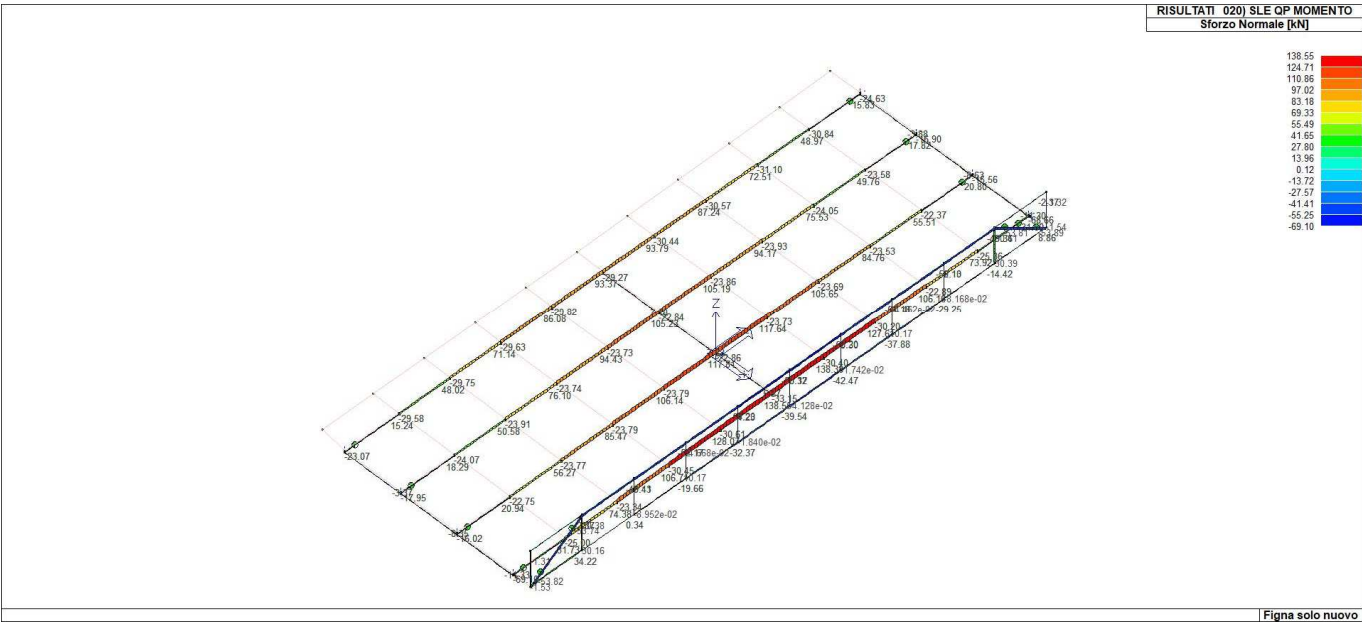


43\_RIS\_M2\_020\_SLE QP MOMENTO

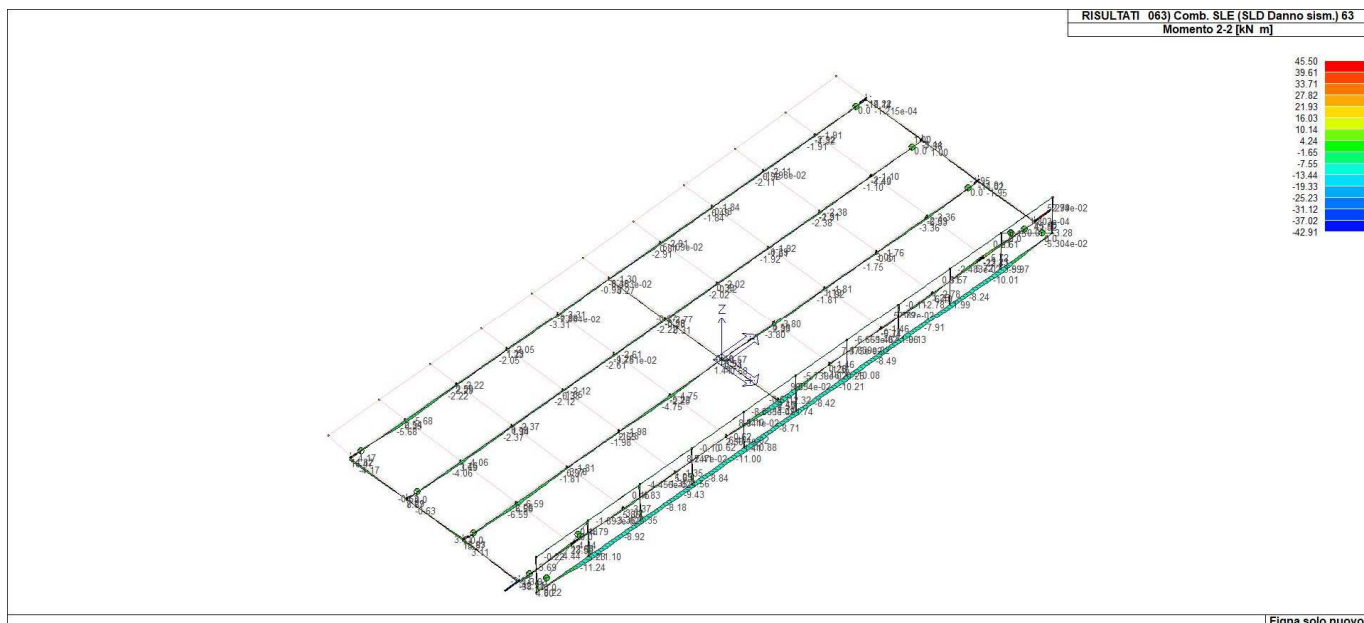




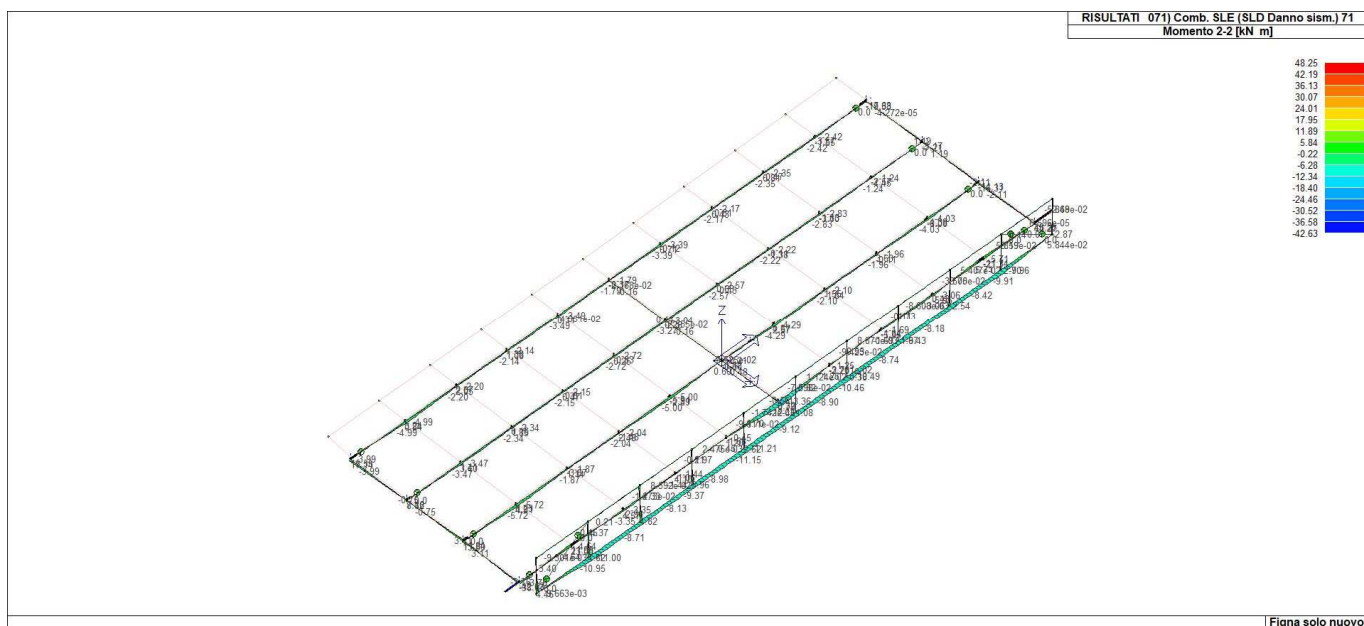
43\_RIS\_M3\_020\_SLE QP MOMENTO



43\_RIS\_N\_020\_SLE QP MOMENTO

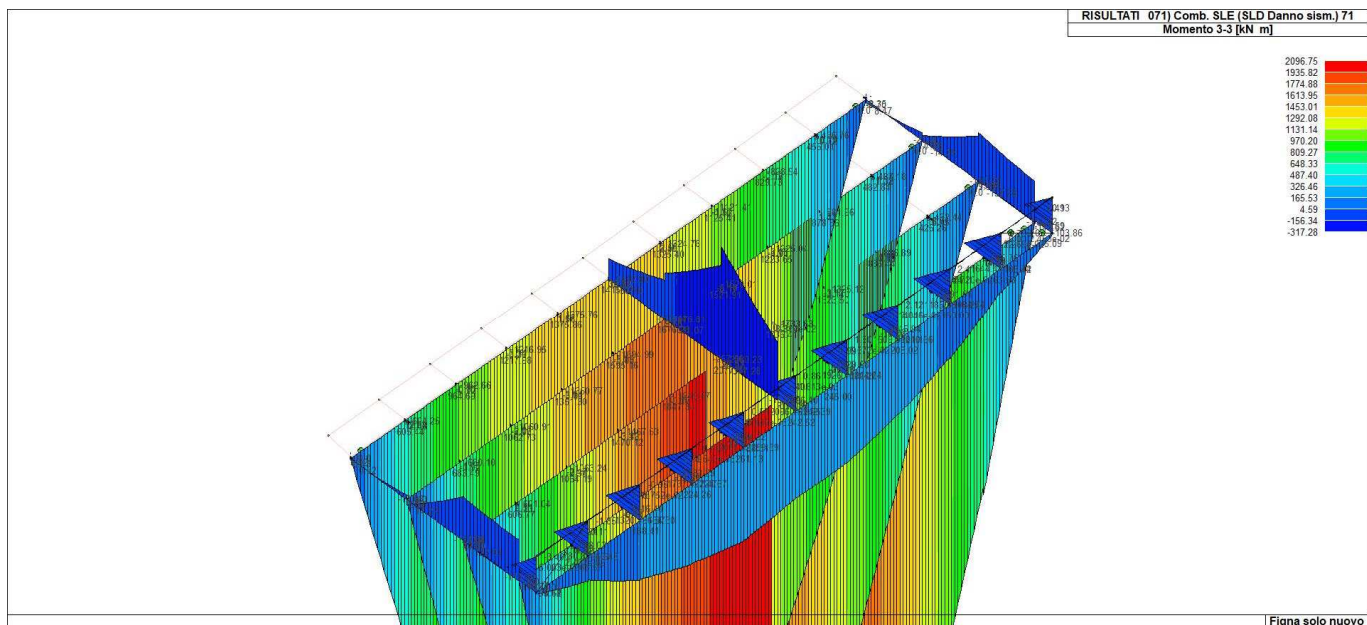


43\_RIS\_M2\_063\_Comb. SLE (SLD Danno sism.) 63

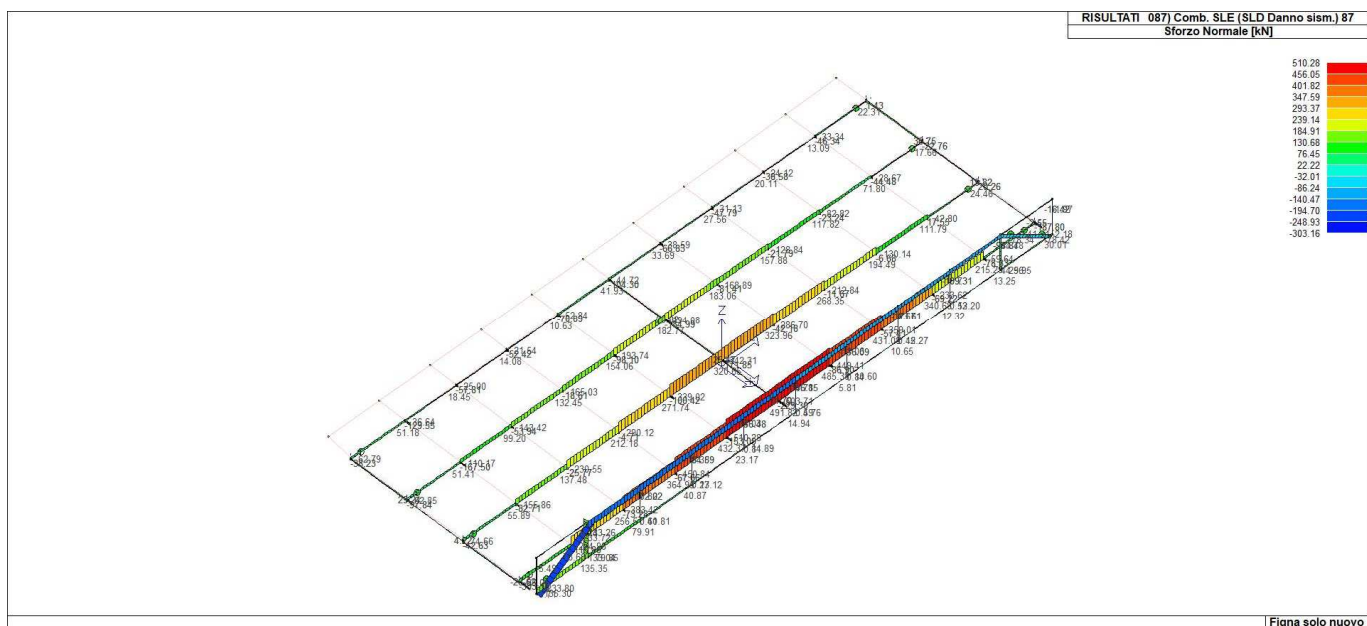


43\_RIS\_M2\_071\_Comb. SLE (SLD Danno sism.) 71

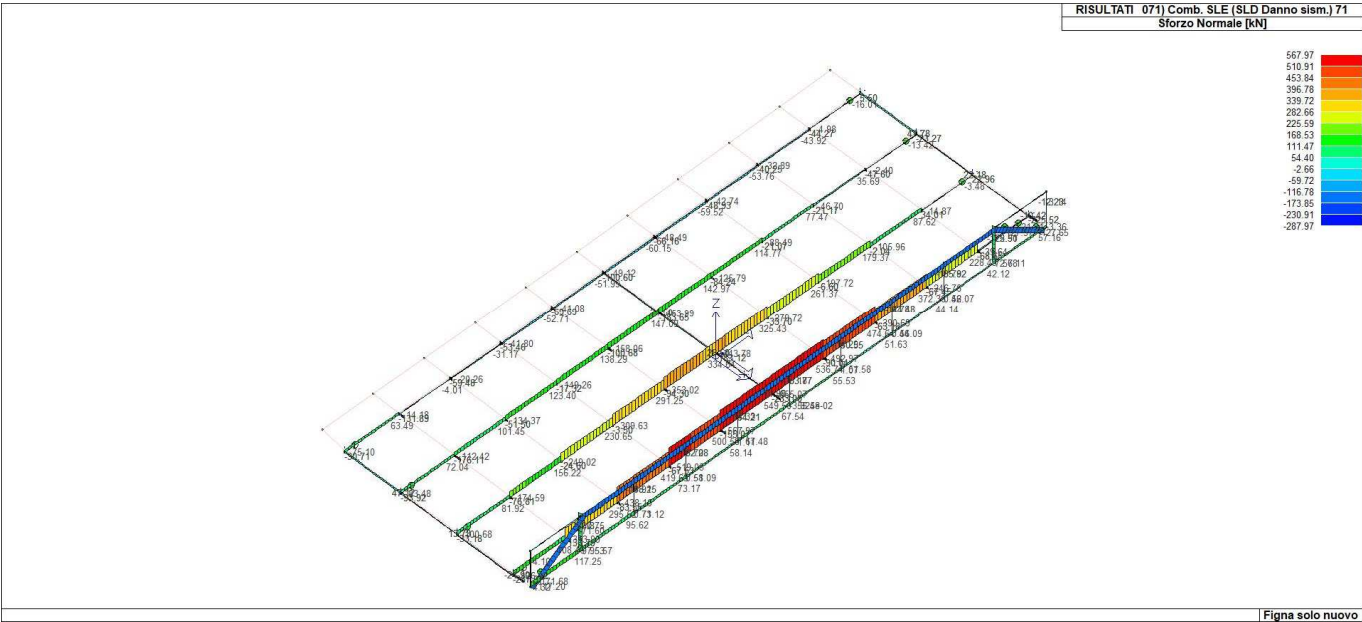




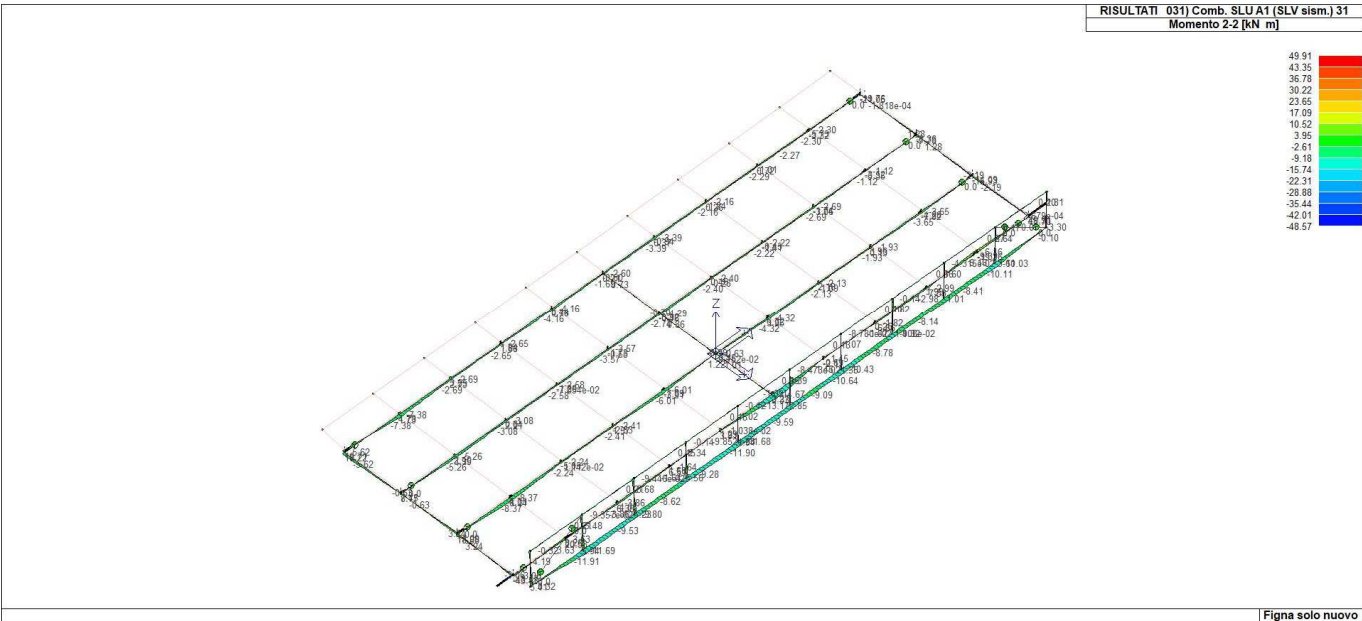
43\_RIS\_M3\_071\_Comb. SLE (SLD Danno sism.) 71



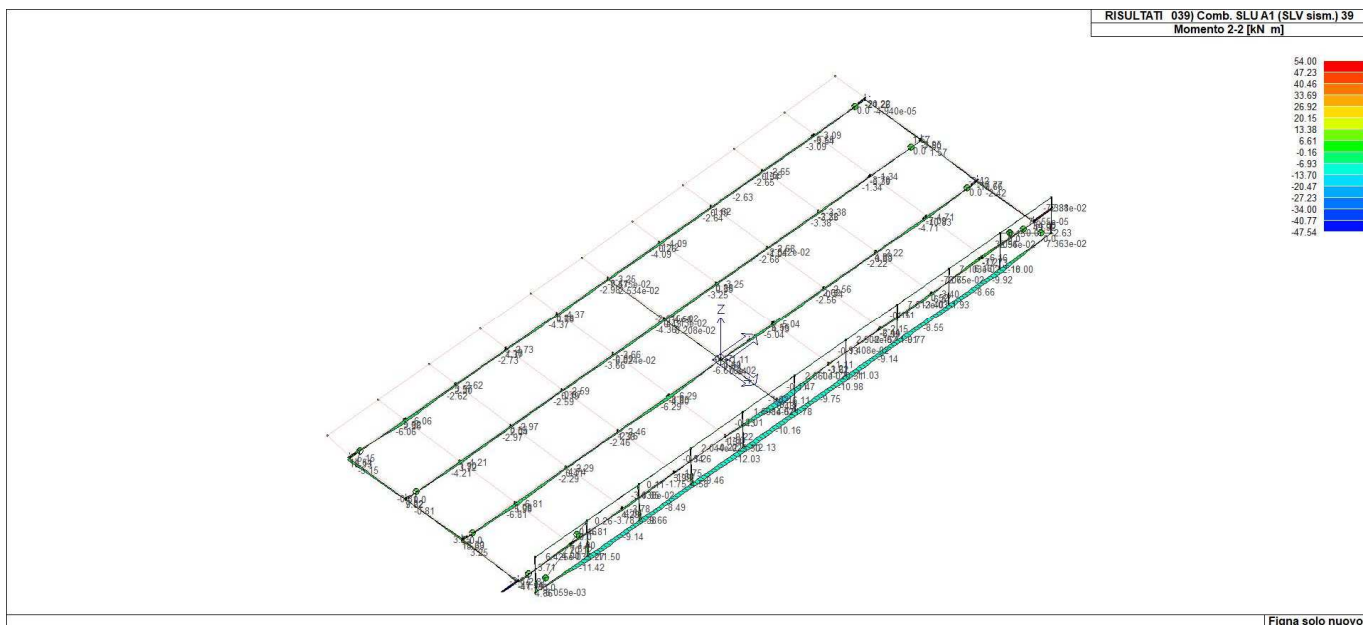
43\_RIS\_N\_087\_Comb. SLE (SLD Danno sism.) 87



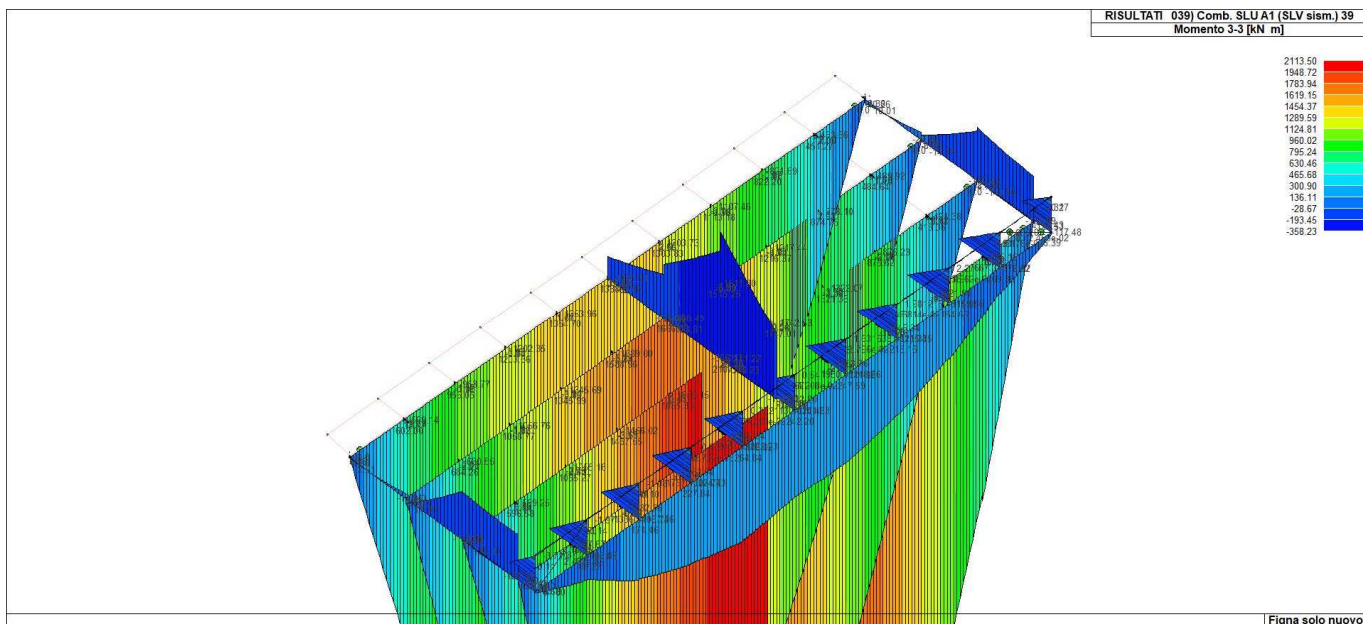
43\_RIS\_N\_071\_Comb. SLE (SLD Danno sism.) 71



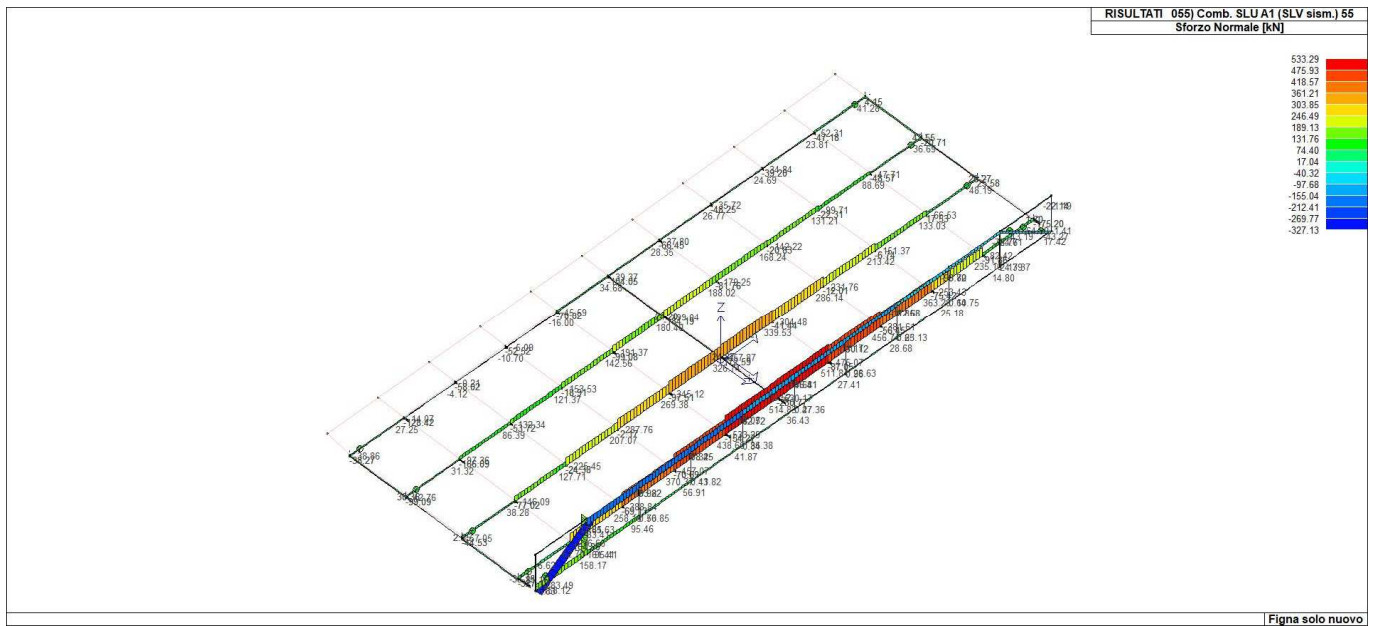
43\_RIS\_M2\_031\_Comb. SLU A1 (SLV sism.) 31



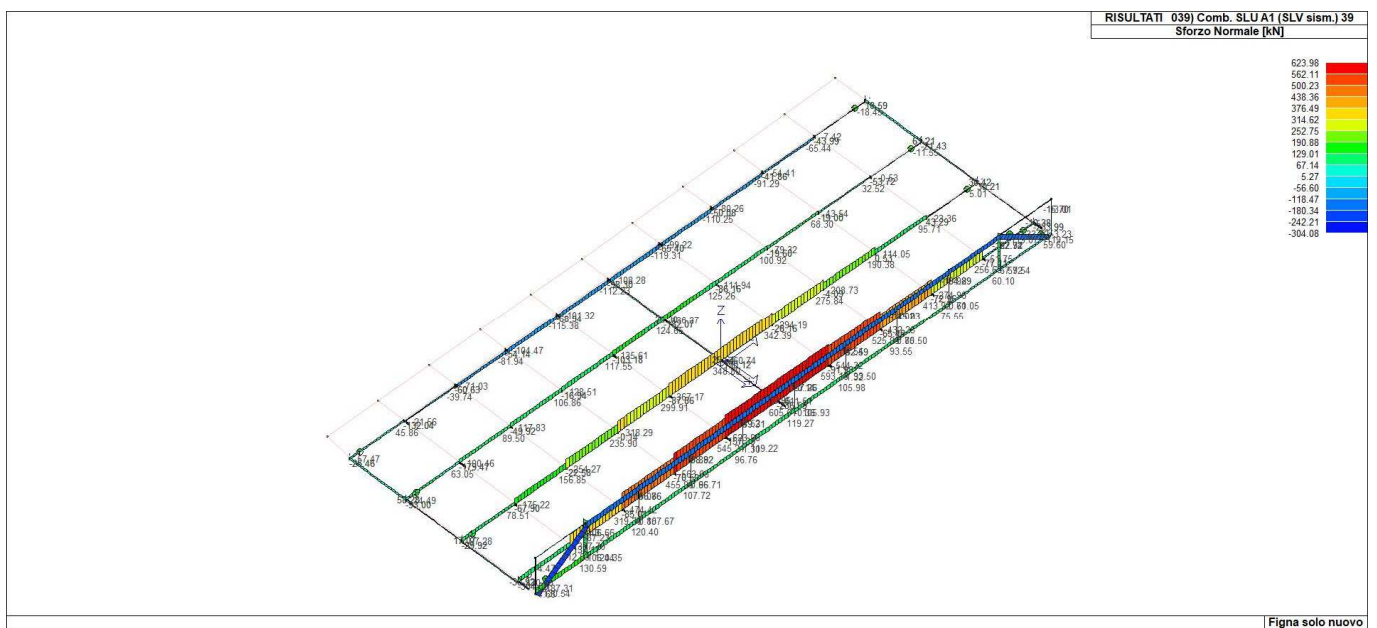
43\_RIS\_M2\_039\_Comb. SLU A1 (SLV sism.) 39



43\_RIS\_M3\_039\_Comb. SLU A1 (SLV sism.) 39



43\_RIS\_N\_055\_Comb. SLU A1 (SLV sism.) 55



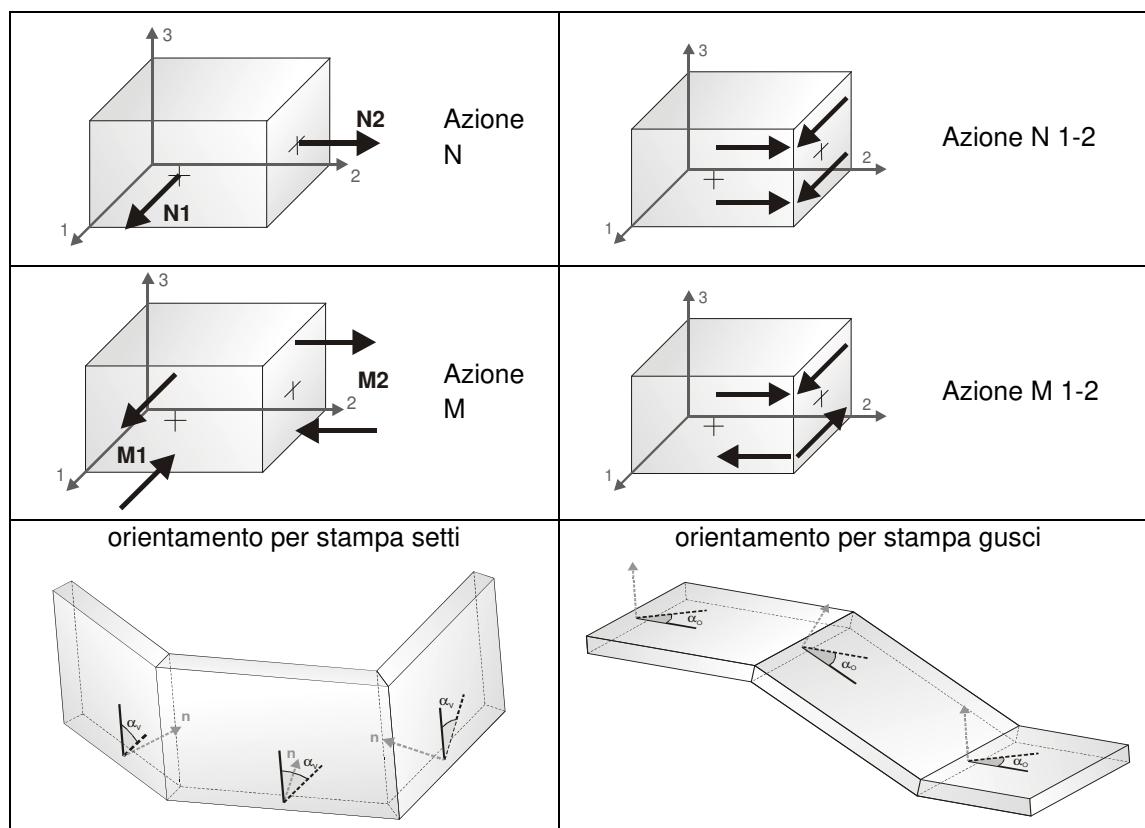
43\_RIS\_N\_039\_Comb. SLU A1 (SLV sism.) 39

# RISULTATI ELEMENTI TIPO SHELL

## LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

<b>tensione di Von Mises</b>		(valore riassuntivo del complessivo stato di sollecitazione)
<b>N max</b>		sforzo membranale principale massimo
<b>N min</b>		sforzo membranale principale minimo
<b>M max</b>		sforzo flessionale principale massimo
<b>M min</b>		sforzo flessionale principale minimo
<b>N1</b>	<b>N2</b>	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento
<b>N1-2</b>	<b>M1</b>	(lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
<b>M2</b>	<b>M1-2</b>	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M\_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi. I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di  $\alpha_o$  attorno all'asse Z per i gusci e ruotata di  $\alpha_v$  attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se  $\alpha_v$  è zero, l'asse '1-1' rappresenta la verticale e l'asse '2-2' l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

<b>N memb.</b>	Azione membranale complessiva agente sulla parete in direzione Z
<b>V memb.</b>	Azione complessiva di taglio agente nel piano del macroelemento
<b>V orto</b>	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
<b>M memb.</b>	Azione flessionale complessiva agente nel piano del macroelemento
<b>M orto</b>	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
<b>T</b>	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-X (gradi)
1	Guscio	0.0

M_G	Cmb	Nodo	N max kN/ m	N min kN/ m	N 1 kN/ m	N 2 kN/ m	N 1-2 kN/ m	M max kN	M min kN	M 1 kN	M 2 kN	M 1-2 kN
1	15	3	0.89	-134.21	0.56	-133.87	6.70	4.68	-12.59	4.27	-12.18	2.63
1	15	4	15.37	10.14	14.51	11.01	1.95	15.88	-7.90	14.83	-6.84	4.89
1	15	5	45.92	-16.94	-5.11	34.09	-24.58	33.71	2.00	32.07	3.64	7.02
1	15	10	32.67	-6.35	18.64	7.69	18.72	26.26	-11.67	24.03	-9.45	8.91
1	15	11	17.73	-7.48	3.68	6.58	-12.52	22.85	-12.58	20.56	-10.29	8.72
1	15	12	62.97	-16.04	58.36	-11.42	-18.53	27.65	-15.80	27.12	-15.27	-4.77
1	15	13	61.75	12.52	61.63	12.64	2.38	43.45	-15.24	42.82	-14.60	-6.08
1	15	14	28.30	-17.13	15.62	-4.45	-20.38	20.66	-15.44	19.10	-13.88	-7.34
1	15	15	5.27	-7.17	2.56	-4.46	5.13	18.77	-17.20	16.52	-14.94	-8.72
1	15	17	10.26	-6.86	3.93	-0.53	-8.26	16.01	-12.73	13.22	-9.94	-8.50
1	15	22	12.51	-18.28	-4.65	-1.12	15.29	12.14	-12.84	9.81	-10.50	-7.28
1	15	23	14.02	6.36	12.26	8.12	3.22	10.14	-8.10	9.33	-7.29	-3.75
1	15	28	44.53	-14.15	-0.15	30.53	25.01	27.52	2.10	26.36	3.26	-5.31
1	15	29	40.76	-71.40	32.55	-63.19	-29.21	-4.53	-19.55	-5.28	-18.81	-3.26
1	15	30	38.60	-68.22	17.72	-47.35	-42.36	-0.19	-16.39	-1.49	-15.10	-4.39
1	15	31	33.19	-59.73	6.58	-33.12	-42.01	3.17	-13.40	0.36	-10.59	-6.22
1	15	32	33.60	-48.94	4.42	-19.76	-39.46	4.30	-12.28	-2.45	-5.53	-8.15
1	15	33	19.94	-97.51	12.64	-90.21	-28.35	-0.95	-16.44	-1.44	-15.94	-2.72
1	15	34	24.58	-90.91	8.41	-74.75	-40.07	5.07e-02	-15.22	-1.79	-13.37	-4.97
1	15	35	28.86	-79.08	3.47	-53.69	-45.78	1.15	-13.07	-1.80	-10.11	-5.77
1	15	36	30.77	-62.79	-1.12	-30.89	-44.35	3.96	-9.83	-0.87	-5.00	-6.58
1	15	37	1.72	-128.43	0.47	-127.17	-12.71	4.98	-12.70	4.28	-12.01	-3.44
1	15	38	3.85	-107.01	0.85	-104.01	-17.98	5.74	-11.83	4.52	-10.61	-4.47
1	15	39	4.89	-80.93	-0.15	-75.89	-20.16	5.20	-10.34	3.35	-8.49	-5.04
1	15	40	7.54	-51.36	-3.06e-02	-43.79	-19.72	6.24	-4.61	2.66	-1.04	-5.10
1	15	41	66.99	-7.49	61.96	-2.46	18.68	32.21	-13.94	31.43	-13.16	5.94
1	15	42	27.97	2.50	9.00	21.47	11.11	4.65	0.77	2.06	3.36	-1.83
1	15	43	15.36	2.09	7.02	10.43	-6.41	3.65	-0.38	2.07	1.20	1.97
1	15	44	-1.49	-179.73	-1.49	-179.73	-0.39	-1.28	-9.74	1.30	-9.72	-0.35
1	15	45	-1.14	-83.43	-1.24	-83.33	2.86	0.71	-7.41	-1.31	-5.39	3.51
1	15	46	-1.24	-105.66	-1.24	-105.66	0.14	1.19	-10.39	0.49	-9.69	2.76
1	15	47	65.51	16.25	64.90	16.86	-5.42	39.53	-14.50	38.62	-13.59	6.94
1	15	48	73.94	-5.72	73.56	-5.34	5.49	36.89	-15.28	36.88	-15.26	0.92
1	15	49	71.19	17.95	70.66	18.48	-5.30	48.91	-16.47	48.91	-16.47	0.50
1	15	50	46.10	-57.15	9.57	-20.63	49.36	4.28	-12.59	-2.93	-5.38	8.35
1	15	52	49.43	-64.74	20.57	-35.88	49.62	3.56	-13.51	1.15	-11.11	5.94
1	15	53	50.98	-68.05	37.12	-54.19	38.17	-0.67	-16.99	-1.71	-15.95	3.99
1	15	54	47.25	-69.63	45.72	-68.10	13.31	-5.74	-20.81	-6.30	-20.25	2.87
1	15	62	48.03	-52.07	33.12	-37.16	35.65	-3.31	-19.06	-5.95	-16.43	5.88
1	15	63	57.63	-62.38	11.86	-16.62	58.29	4.50	-7.58	-0.51	-2.57	5.95
1	15	64	40.07	-77.97	-26.51	-11.39	58.53	0.41	-3.12	-1.07	-1.64	1.74
1	15	65	-59.75	-96.17	-76.87	-79.06	18.18	83.81	17.10	74.37	26.54	23.26
1	15	71	120.79	-11.38	1.38	108.02	-39.04	10.86	-20.98	-2.09	-8.04	-15.64
1	15	72	80.68	9.10	80.68	9.10	-0.53	47.35	-14.25	47.18	-14.08	-3.23
1	15	73	119.70	-11.85	5.78	102.07	44.81	6.06	-23.31	-8.15	-9.11	14.68
1	15	74	-55.12	-81.43	-66.29	-70.27	-13.00	71.22	16.31	63.13	24.40	-19.46
1	15	75	28.31	-69.58	-29.24	-12.03	-48.18	1.71	-3.40	-1.38	-0.31	-2.50
1	15	76	47.29	-53.00	6.86	-12.57	-49.20	4.86	-7.42	-0.37	-2.20	-6.07

1	15	77	35.01	-48.42	22.24	-35.65	-30.03	-1.95	-16.77	-4.09	-14.63	-5.21
1	15	78	39.53	-71.81	2.52	-34.80	52.45	4.56	-9.97	0.23	-5.63	6.65
1	15	79	35.39	-84.54	10.22	-59.37	48.84	0.91	-13.56	-1.98	-10.68	5.78
1	15	80	-4.49	-135.86	-4.58	-135.77	-3.44	4.59	-12.23	4.58	-12.21	-0.46
1	15	81	16.11	-96.79	15.64	-96.32	-7.30	-1.29	-17.36	-1.31	-17.35	-0.51
1	15	82	43.90	-67.45	43.14	-66.68	-9.18	-3.23	-23.93	-3.23	-23.92	-0.28
1	15	83	69.69	-2.83	69.38	-2.53	-4.67	47.54	-15.74	47.43	-15.63	-2.63
1	15	88	27.67	-92.11	16.45	-80.88	34.92	-8.81e-02	-15.62	-1.73	-13.98	4.77
1	15	95	20.15	-96.76	17.89	-94.50	16.08	-0.86	-16.70	-1.13	-16.44	2.03
1	15	97	-0.38	-140.67	-0.39	-140.67	-0.57	0.81	-11.87	0.26	-11.32	2.59
1	15	98	4.44e-02	-157.30	3.77e-02	-157.30	-1.03	0.83	-13.12	0.47	-12.76	2.21
1	15	99	9.87e-02	-147.38	9.54e-02	-147.38	0.70	1.08	-13.21	0.49	-12.63	-2.84
1	15	100	-0.40	-124.09	-0.40	-124.09	0.30	1.09	-11.89	0.30	-11.10	-3.10
1	15	101	-1.44	-88.35	-1.44	-88.35	0.14	1.52	-10.15	0.56	-9.19	-3.21
1	15	102	-1.37	-64.94	-1.75	-64.56	-4.91	8.80e-02	-7.72	-1.53	-6.10	-3.17
1	15	105	4.97	-59.50	-2.61	-51.92	20.77	7.02	-4.94	3.38	-1.31	5.50
1	15	107	4.61	-92.51	0.16	-88.06	20.31	4.52	-10.44	2.90	-8.82	4.65
1	15	111	2.91	-116.85	1.10	-115.05	14.58	5.35	-11.81	4.41	-10.88	3.89
1	18	3	0.66	-136.70	0.63	-136.67	2.03	8.56	-25.27	8.52	-25.23	-1.21
1	18	4	28.25	-12.56	13.39	2.31	-19.64	0.43	-8.91	-1.89	-6.59	-4.04
1	18	5	45.48	-24.76	1.76	18.96	-34.05	17.66	-0.91	17.40	-0.65	-2.18
1	18	10	8.61	-30.35	3.27	-25.02	-13.39	1.20	-15.57	1.20	-15.57	-0.15
1	18	11	18.63	-38.67	-2.06	-17.98	-27.52	3.69	-15.38	3.53	-15.22	-1.77
1	18	12	3.36	-81.47	3.00	-81.12	5.46	-8.64e-02	-26.49	-8.79e-02	-26.49	0.20
1	18	13	-2.20	-78.83	-3.08	-77.94	8.19	0.64	-26.53	0.62	-26.51	0.67
1	18	14	6.18	-69.46	5.01	-68.30	9.33	1.95	-21.37	1.95	-21.37	6.00e-03
1	18	15	2.40	-68.67	-1.74	-64.54	16.64	-0.41	-22.07	-0.44	-22.03	0.83
1	18	17	11.32	-51.20	7.25	-47.13	15.42	1.36	-15.41	1.36	-15.40	-0.20
1	18	22	10.39	-57.99	-3.21	-44.39	27.30	3.76	-15.24	3.66	-15.14	1.36
1	18	23	33.97	-28.77	23.00	-17.79	23.84	0.56	-9.33	-1.75	-7.02	4.18
1	18	28	38.60	-47.39	3.06	-11.85	42.35	17.68	-0.59	17.48	-0.39	1.89
1	18	29	-0.17	-115.25	-0.30	-115.11	3.95	-8.04	-28.51	-8.04	-28.51	-0.27
1	18	30	5.67	-102.12	5.56	-102.00	3.53	-7.62	-23.69	-7.63	-23.68	0.38
1	18	31	8.17	-82.25	8.02	-82.10	3.67	-6.20	-17.35	-6.23	-17.32	0.59
1	18	32	4.55	-55.86	4.53	-55.84	-1.18	-4.01	-10.17	-4.05	-10.13	0.47
1	18	33	-2.25	-133.32	-2.25	-133.32	-0.29	-10.07	-29.03	-10.07	-29.03	4.13e-02
1	18	34	3.49	-117.80	3.48	-117.79	-1.10	-7.13	-23.68	-7.13	-23.67	-0.25
1	18	35	4.45	-93.44	4.31	-93.30	-3.70	-4.56	-16.90	-4.56	-16.90	-6.05e-02
1	18	36	0.60	-58.26	0.18	-57.85	-4.91	-2.72	-9.50	-2.72	-9.50	-9.55e-02
1	18	37	1.15	-145.92	1.14	-145.91	-0.88	8.54	-25.12	8.53	-25.11	0.41
1	18	38	2.19	-125.14	2.18	-125.13	-1.18	4.75	-21.55	4.74	-21.55	0.41
1	18	39	3.04	-96.36	2.93	-96.25	-3.30	4.31	-15.41	4.31	-15.41	0.13
1	18	40	5.92	-57.15	5.63	-56.86	-4.26	3.96	-8.32	3.95	-8.31	0.41
1	18	41	4.72	-52.78	3.29	-51.36	-8.94	1.86	-21.48	1.85	-21.47	-0.48
1	18	42	51.72	7.02	8.88	49.86	8.92	3.27	-3.69	-2.16	1.74	-2.88
1	18	43	13.52	-0.23	2.67	10.62	5.61	2.30	-2.21	-0.96	1.05	2.02
1	18	44	-2.30	-180.81	-2.30	-180.81	-0.33	-1.84	-31.98	-1.84	-31.98	-0.30
1	18	45	0.72	-29.19	0.51	-28.98	-2.46	0.76	-10.03	0.51	-9.77	-1.64
1	18	46	8.07e-02	-78.06	5.09e-02	-78.03	-1.52	0.23	-16.65	0.16	-16.58	-1.07
1	18	47	7.47	-55.41	-1.38	-46.55	-21.87	-0.47	-22.18	-0.55	-22.10	-1.27
1	18	48	2.89	-72.64	2.36	-72.11	-6.32	-0.11	-26.55	-0.13	-26.53	-0.74
1	18	49	0.36	-72.25	-3.20	-68.69	-15.68	0.57	-26.60	0.52	-26.55	-1.21
1	18	50	7.37	-24.31	5.02	-21.95	8.32	-3.99	-10.11	-4.06	-10.04	-0.64
1	18	52	6.09	-51.51	5.72	-51.14	4.57	-6.27	-17.64	-6.35	-17.56	-0.92
1	18	53	3.90	-81.29	3.70	-81.08	4.18	-7.65	-23.83	-7.68	-23.80	-0.78
1	18	54	-1.16	-104.78	-1.25	-104.70	3.01	-8.05	-28.58	-8.05	-28.58	-0.20
1	18	62	3.48	-12.38	1.20	-10.10	5.57	6.76	-0.39	5.99	0.38	-2.22
1	18	63	10.81	-9.60	-1.37	2.57	10.01	0.82	-0.78	-6.37e-02	0.11	0.80
1	18	64	-1.84	-25.80	-23.67	-3.97	6.82	2.64	-2.29	-0.63	0.98	-2.33
1	18	65	-37.71	-90.77	-48.28	-80.19	-21.20	34.79	-0.94	34.76	-0.91	-1.13
1	18	71	139.79	-27.76	4.59	107.44	-66.13	-1.33	-50.54	-44.39	-7.47	-16.27
1	18	72	2.56	-85.10	2.36	-84.90	-4.15	1.68	-27.96	1.67	-27.95	-0.29
1	18	73	178.49	-29.61	10.42	138.46	82.02	-2.11	-50.44	-43.46	-9.08	16.98
1	18	74	-53.42	-164.61	-62.90	-155.12	31.06	35.43	1.12	35.43	1.12	-0.32
1	18	75	-22.64	-25.40	-22.64	-25.39	-0.16	3.81	-1.75	-0.24	2.30	2.47
1	18	76	-13.10	-33.02	-13.33	-32.79	-2.11	2.13	-0.38	0.10	1.64	-0.99
1	18	77	-22.30	-73.48	-22.30	-73.48	-0.42	9.12	1.86	8.14	2.84	2.48
1	18	78	5.74	-29.41	0.43	-24.10	12.59	-2.90	-9.52	-2.90	-9.52	-5.64e-02
1	18	79	3.97	-64.02	2.41	-62.46	10.18	-4.77	-17.29	-4.77	-17.28	-0.21
1	18	80	-5.68	-147.00	-5.69	-147.00	0.54	14.66	-26.92	14.65	-26.91	-0.50
1	18	81	-6.08	-132.03	-6.17	-131.95	3.21	-9.79	-31.93	-9.79	-31.93	-0.26
1	18	82	-3.94	-114.08	-4.04	-113.98	3.32	-8.03	-30.76	-8.03	-30.75	-0.25
1	18	83	0.67	-80.79	0.67	-80.79	-0.69	-0.40	-29.27	-0.41	-29.27	-0.29
1	18	88	2.25	-97.37	1.69	-96.81	7.45	-7.30	-23.88	-7.30	-23.88	-0.16
1	18	95	-2.77	-123.30	-3.14	-122.93	6.69	-10.18	-29.14	-10.19	-29.13	-0.52
1	18	97	-0.33	-115.44	-0.34	-115.43	-1.24	0.44	-21.16	0.34	-21.06	-1.46
1	18	98	-0.25	-140.52	-0.28	-140.49	-2.05	0.55	-28.22	0.52	-28.19	-0.96



1	18	99	-0.26	-148.66	-0.29	-148.63	2.10	0.41	-27.73	0.40	-27.72	0.44
1	18	100	-0.93	-132.15	-0.94	-132.14	0.92	0.35	-20.99	0.30	-20.94	1.03
1	18	101	-1.18	-101.30	-1.18	-101.30	-0.22	0.17	-16.28	0.13	-16.24	0.81
1	18	102	-0.74	-55.61	-0.80	-55.56	-1.73	1.17	-9.21	0.96	-9.00	1.47
1	18	105	-2.10	-31.63	-2.65	-31.08	4.00	3.51	-8.37	3.46	-8.33	-0.72
1	18	107	0.83	-70.79	0.67	-70.63	3.42	3.80	-15.85	3.78	-15.83	-0.62
1	18	111	1.34	-106.96	1.31	-106.93	1.84	4.38	-21.81	4.34	-21.76	-1.09
1	19	3	0.65	-141.55	0.65	-141.54	0.82	8.56	-25.27	8.51	-25.22	-1.21
1	19	4	30.49	-19.65	17.87	-7.02	-21.76	0.37	-9.21	-1.98	-6.86	-4.12
1	19	5	41.34	-35.07	1.80	4.46	-38.18	17.68	-0.82	17.40	-0.54	-2.24
1	19	10	9.71	-40.22	5.01	-35.52	-14.58	1.23	-15.52	1.23	-15.52	-0.13
1	19	11	13.96	-47.52	-3.15	-30.41	-27.56	3.63	-15.36	3.47	-15.20	-1.75
1	19	12	3.17	-76.70	2.83	-76.36	5.22	-8.75e-02	-26.50	-8.91e-02	-26.50	0.20
1	19	13	-1.09	-74.96	-2.90	-73.15	11.41	0.64	-26.53	0.62	-26.52	0.68
1	19	14	5.51	-60.83	4.36	-59.67	8.66	1.94	-21.38	1.94	-21.38	4.63e-03
1	19	15	4.72	-61.47	-1.21	-55.54	18.90	-0.40	-22.08	-0.43	-22.05	0.84
1	19	17	9.94	-40.41	5.58	-36.05	14.17	1.32	-15.46	1.32	-15.46	-0.18
1	19	22	14.20	-47.73	-2.17	-31.36	27.31	3.83	-15.26	3.72	-15.16	1.39
1	19	23	30.60	-20.12	18.63	-8.14	21.54	0.63	-9.04	-1.67	-6.75	4.11
1	19	28	41.33	-35.28	2.87	3.18	38.31	17.65	-0.68	17.46	-0.49	1.83
1	19	29	-0.62	-109.45	-0.62	-109.45	-0.63	-8.04	-28.52	-8.04	-28.52	-0.27
1	19	30	4.83	-91.06	4.82	-91.05	-1.24	-7.62	-23.70	-7.63	-23.69	0.38
1	19	31	7.04	-66.20	7.02	-66.18	-1.11	-6.21	-17.41	-6.24	-17.38	0.59
1	19	32	5.13	-39.27	4.50	-38.64	-5.26	-3.98	-10.03	-4.01	-9.99	0.47
1	19	33	-2.33	-127.57	-2.51	-127.39	-4.77	-10.07	-29.03	-10.07	-29.03	4.38e-02
1	19	34	3.17	-106.65	2.90	-106.38	-5.46	-7.13	-23.69	-7.13	-23.68	-0.25
1	19	35	4.28	-77.68	3.52	-76.92	-7.87	-4.57	-16.96	-4.57	-16.96	-5.51e-02
1	19	36	2.20	-42.34	0.13	-40.27	-9.38	-2.68	-9.34	-2.68	-9.34	-8.68e-02
1	19	37	1.11	-140.08	1.07	-140.04	-2.27	8.54	-25.13	8.54	-25.12	0.41
1	19	38	1.97	-114.29	1.92	-114.24	-2.49	4.75	-21.57	4.74	-21.56	0.41
1	19	39	2.17	-81.87	1.95	-81.65	-4.33	4.28	-15.47	4.28	-15.47	0.13
1	19	40	2.18	-42.93	1.63	-42.38	-4.95	4.08	-8.05	4.07	-8.04	0.42
1	19	41	5.45	-60.70	4.03	-59.27	-9.60	1.87	-21.46	1.86	-21.45	-0.48
1	19	42	30.63	6.05	6.25	30.43	2.22	3.45	-3.57	-2.08	1.97	-2.87
1	19	43	27.78	4.41	4.41	27.78	0.31	2.20	-2.30	-1.05	0.95	2.01
1	19	44	-2.29	-180.21	-2.29	-180.21	-0.32	-1.84	-31.99	-1.84	-31.98	-0.30
1	19	45	0.26	-46.84	0.23	-46.82	-1.09	0.83	-10.01	0.57	-9.75	-1.67
1	19	46	-0.45	-92.75	-0.45	-92.74	-0.61	0.20	-16.60	0.13	-16.53	-1.08
1	19	47	4.65	-61.37	-1.85	-54.87	-19.67	-0.48	-22.16	-0.55	-22.08	-1.27
1	19	48	3.17	-76.64	2.63	-76.09	-6.57	-0.10	-26.54	-0.13	-26.52	-0.74
1	19	49	-1.10	-74.91	-3.28	-72.72	-12.50	0.58	-26.59	0.52	-26.54	-1.21
1	19	50	5.51	-39.41	5.00	-38.91	4.73	-4.02	-10.26	-4.09	-10.19	-0.65
1	19	52	6.70	-66.51	6.70	-66.51	6.68e-02	-6.25	-17.58	-6.33	-17.50	-0.93
1	19	53	4.48	-91.37	4.48	-91.36	-0.44	-7.65	-23.82	-7.68	-23.78	-0.78
1	19	54	-0.82	-109.64	-0.85	-109.62	-1.49	-8.05	-28.58	-8.05	-28.57	-0.20
1	19	62	-7.54	-43.51	-7.80	-43.25	3.07	7.08	0.70	6.15	1.63	-2.24
1	19	63	-3.10	-19.07	-7.03	-15.14	6.88	1.41	-0.36	0.12	0.92	0.79
1	19	64	-13.40	-25.19	-23.43	-15.16	4.20	3.18	-1.92	-0.46	1.73	-2.31
1	19	65	-46.33	-126.72	-56.32	-116.74	-26.51	34.88	0.27	34.86	0.30	-0.90
1	19	71	158.56	-27.46	6.37	124.74	-71.75	-1.71	-50.37	-44.26	-7.82	-16.13
1	19	72	2.41	-84.55	2.41	-84.54	-0.66	1.68	-27.96	1.68	-27.95	-0.29
1	19	73	159.28	-29.08	8.60	121.60	75.35	-1.73	-50.60	-43.58	-8.74	17.13
1	19	74	-46.75	-127.70	-55.80	-118.65	25.50	35.30	-0.11	35.30	-0.11	-0.12
1	19	75	-13.00	-24.77	-23.58	-14.19	-3.56	3.24	-2.09	-0.40	1.56	2.48
1	19	76	-4.46	-19.33	-8.19	-15.59	-6.45	1.49	-0.73	-8.27e-02	0.85	-1.00
1	19	77	-10.11	-40.91	-10.63	-40.39	-3.97	8.81	0.81	7.98	1.64	2.44
1	19	78	2.17	-43.18	0.31	-41.33	8.99	-2.93	-9.69	-2.94	-9.69	-5.88e-02
1	19	79	3.58	-78.63	3.07	-78.11	6.50	-4.76	-17.22	-4.76	-17.22	-0.21
1	19	80	-5.70	-146.52	-5.71	-146.51	-0.75	14.66	-26.92	14.65	-26.91	-0.50
1	19	81	-6.12	-131.53	-6.13	-131.52	-1.23	-9.79	-31.93	-9.79	-31.93	-0.26
1	19	82	-3.99	-113.61	-4.00	-113.60	-1.13	-8.03	-30.76	-8.03	-30.75	-0.25
1	19	83	0.75	-80.39	0.74	-80.39	-0.73	-0.40	-29.27	-0.40	-29.26	-0.29
1	19	88	2.44	-107.52	2.33	-107.41	3.45	-7.30	-23.87	-7.30	-23.87	-0.16
1	19	95	-2.77	-128.06	-2.81	-128.01	2.38	-10.18	-29.14	-10.19	-29.12	-0.52
1	19	97	-0.60	-125.50	-0.61	-125.49	-1.13	0.44	-21.16	0.34	-21.06	-1.46
1	19	98	-0.32	-145.37	-0.35	-145.34	-2.06	0.55	-28.22	0.52	-28.18	-0.96
1	19	99	-0.17	-142.56	-0.21	-142.53	2.10	0.41	-27.74	0.40	-27.73	0.44
1	19	100	-0.63	-120.82	-0.64	-120.81	1.06	0.35	-21.00	0.30	-20.95	1.03
1	19	101	-0.56	-86.35	-0.57	-86.35	0.52	0.20	-16.32	0.16	-16.28	0.80
1	19	102	-0.27	-41.40	-0.27	-41.40	0.34	1.09	-9.32	0.88	-9.11	1.46
1	19	105	0.60	-44.96	0.34	-44.70	3.44	3.39	-8.67	3.34	-8.62	-0.74
1	19	107	1.45	-84.84	1.38	-84.77	2.47	3.83	-15.80	3.81	-15.78	-0.62
1	19	111	1.38	-116.90	1.38	-116.89	0.81	4.38	-21.80	4.34	-21.75	-1.09
1	20	3	0.47	-69.41	0.47	-69.41	3.43e-02	2.05	-12.85	2.05	-12.85	0.12
1	20	4	16.03	-10.72	9.71	-4.40	-11.36	1.30	-4.25	0.67	-3.63	-1.76
1	20	5	20.87	-18.95	0.75	1.17	-19.91	9.57	-0.66	9.52	-0.61	-0.75
1	20	10	5.27	-20.97	3.04	-18.74	-7.31	2.12	-8.18	2.12	-8.18	0.16



1	20	11	6.51	-25.29	-1.55	-17.22	-13.84	1.62	-8.44	1.57	-8.39	-0.69
1	20	12	1.91	-37.23	1.81	-37.13	1.97	1.99	-12.52	1.99	-12.52	0.10
1	20	13	-0.61	-35.82	-1.20	-35.23	4.53	0.34	-13.01	0.34	-13.00	0.31
1	20	14	3.01	-30.56	2.50	-30.04	4.11	2.49	-10.79	2.49	-10.79	-8.98e-02
1	20	15	1.91	-31.20	-0.50	-28.79	8.60	-0.37	-11.51	-0.38	-11.51	0.26
1	20	17	5.36	-21.05	3.29	-18.98	7.09	2.18	-8.13	2.17	-8.12	-0.36
1	20	22	6.59	-25.28	-1.10	-17.59	13.63	1.73	-8.37	1.70	-8.34	0.50
1	20	23	16.01	-10.94	9.98	-4.91	11.23	1.45	-4.14	0.85	-3.54	1.73
1	20	28	20.81	-18.99	1.36	0.46	19.89	9.55	-0.59	9.52	-0.56	0.53
1	20	29	1.40	-53.23	1.40	-53.23	-0.29	-2.74	-13.54	-2.74	-13.54	-0.16
1	20	30	2.63	-45.73	2.62	-45.72	-0.56	-2.24	-11.66	-2.24	-11.66	7.37e-02
1	20	31	3.42	-34.61	3.41	-34.60	-0.56	-1.69	-8.82	-1.69	-8.82	6.71e-02
1	20	32	2.89	-21.52	2.59	-21.23	-2.67	-1.51	-4.93	-1.51	-4.93	-5.89e-02
1	20	33	0.37	-62.29	0.29	-62.21	-2.20	-2.68	-13.65	-2.68	-13.65	8.64e-02
1	20	34	1.76	-53.85	1.62	-53.71	-2.74	-2.06	-11.75	-2.06	-11.75	5.15e-02
1	20	35	2.09	-40.69	1.72	-40.33	-3.94	-1.46	-8.85	-1.47	-8.84	0.24
1	20	36	1.38	-23.14	0.30	-22.06	-5.04	-1.18	-4.93	-1.22	-4.89	0.39
1	20	37	0.66	-68.81	0.65	-68.80	-0.77	2.21	-12.83	2.19	-12.81	-0.57
1	20	38	1.21	-58.52	1.19	-58.49	-1.32	2.79	-11.14	2.79	-11.14	-7.72e-02
1	20	39	1.41	-43.28	1.30	-43.17	-2.25	3.24	-8.29	3.23	-8.28	0.35
1	20	40	1.28	-23.20	0.98	-22.90	-2.70	3.38	-4.58	3.31	-4.51	0.77
1	20	41	2.98	-30.54	2.34	-29.91	-4.57	2.44	-10.85	2.44	-10.85	-0.18
1	20	42	16.54	3.15	3.25	16.44	1.14	2.76	-2.81	-1.62	1.58	-2.28
1	20	43	15.03	2.25	2.25	15.03	0.17	1.80	-1.71	-0.79	0.88	1.54
1	20	44	-0.86	-83.50	-0.86	-83.50	-0.11	-0.55	-12.90	-0.55	-12.90	-0.18
1	20	45	0.14	-25.01	0.11	-24.98	-0.84	0.75	-6.06	0.47	-5.78	-1.37
1	20	46	-0.29	-50.01	-0.29	-50.01	-0.29	4.99e-02	-9.24	5.71e-03	-9.20	-0.64
1	20	47	1.85	-31.24	-0.81	-28.58	-9.00	-0.42	-11.57	-0.44	-11.55	-0.48
1	20	48	1.91	-37.23	1.73	-37.06	-2.61	1.97	-12.55	1.95	-12.54	-0.40
1	20	49	-0.63	-35.85	-1.36	-35.12	-5.02	0.31	-13.05	0.29	-13.03	-0.58
1	20	50	3.09	-21.61	2.86	-21.37	2.41	-1.48	-5.06	-1.48	-5.06	-3.25e-02
1	20	52	3.28	-34.78	3.28	-34.78	-1.31e-02	-1.72	-8.91	-1.73	-8.90	-0.25
1	20	53	2.46	-45.89	2.46	-45.89	-0.28	-2.28	-11.73	-2.28	-11.72	-0.30
1	20	54	1.30	-53.33	1.29	-53.32	-0.76	-2.76	-13.58	-2.76	-13.57	-9.37e-02
1	20	62	-4.28	-23.30	-4.37	-23.22	1.25	6.30	0.61	5.18	1.73	-2.26
1	20	63	-1.90	-10.45	-3.21	-9.14	3.08	0.18	-0.35	-6.82e-02	-9.91e-02	0.26
1	20	64	-7.50	-13.00	-11.29	-9.21	2.55	1.16	-1.66	-0.45	-4.64e-02	-1.40
1	20	65	-24.81	-67.57	-29.72	-62.66	-13.63	22.87	1.04	22.80	1.12	1.28
1	20	71	82.90	-13.99	3.38	65.54	-37.16	-0.41	-26.47	-22.51	-4.36	-9.35
1	20	72	0.49	-38.85	0.49	-38.85	-0.28	0.16	-13.12	0.16	-13.12	-0.14
1	20	73	83.22	-14.94	4.47	63.81	39.10	-0.40	-26.55	-22.08	-4.88	9.85
1	20	74	-24.77	-67.79	-29.24	-63.32	13.13	23.04	0.78	22.88	0.93	-1.86
1	20	75	-7.71	-12.74	-11.48	-8.97	-2.18	1.18	-1.74	-0.39	-0.17	1.46
1	20	76	-2.64	-10.78	-3.82	-9.60	-2.86	0.19	-0.56	-0.18	-0.20	-0.38
1	20	77	-5.59	-21.72	-5.78	-21.53	-1.76	7.72	0.78	6.71	1.79	2.45
1	20	78	1.34	-23.52	0.40	-22.57	4.75	-1.28	-5.13	-1.33	-5.08	-0.43
1	20	79	1.76	-41.11	1.52	-40.87	3.21	-1.60	-8.99	-1.62	-8.97	-0.39
1	20	80	-1.73	-71.19	-1.73	-71.19	-0.35	2.41	-13.49	2.41	-13.49	-0.24
1	20	81	-0.60	-64.18	-0.61	-64.18	-0.63	-2.48	-14.75	-2.48	-14.74	-0.16
1	20	82	0.67	-55.18	0.67	-55.18	-0.56	-2.49	-14.61	-2.49	-14.61	-0.14
1	20	83	1.00	-38.72	0.99	-38.72	-0.34	3.40	-13.04	3.40	-13.04	-0.16
1	20	88	1.40	-54.20	1.35	-54.15	1.69	-2.19	-11.84	-2.20	-11.83	-0.28
1	20	95	0.17	-62.48	0.16	-62.46	0.98	-2.74	-13.70	-2.76	-13.68	-0.37
1	20	97	-0.33	-64.82	-0.33	-64.81	-0.41	8.43e-02	-12.01	7.56e-02	-12.01	-0.32
1	20	98	-0.22	-72.47	-0.23	-72.47	-0.65	0.22	-13.74	0.22	-13.74	0.19
1	20	99	-0.19	-71.40	-0.19	-71.40	0.64	0.24	-13.75	0.22	-13.73	-0.52
1	20	100	-0.36	-62.76	-0.36	-62.75	0.37	7.39e-02	-12.00	7.37e-02	-12.00	5.25e-02
1	20	101	-0.35	-46.70	-0.35	-46.70	0.21	4.57e-02	-9.19	2.06e-02	-9.17	0.48
1	20	102	-0.15	-22.31	-0.16	-22.30	0.47	0.98	-5.69	0.73	-5.45	1.26
1	20	105	0.53	-24.26	0.38	-24.11	1.90	2.76	-4.95	2.64	-4.83	-0.95
1	20	107	1.00	-44.66	0.97	-44.62	1.25	2.87	-8.45	2.84	-8.42	-0.61
1	20	111	0.93	-59.70	0.92	-59.69	0.45	2.54	-11.21	2.53	-11.21	-0.30
1	22	3	0.66	-136.70	0.63	-136.67	2.03	8.56	-25.27	8.52	-25.23	-1.21
1	22	4	28.25	-12.56	13.39	2.31	-19.64	0.43	-8.91	-1.89	-6.59	-4.04
1	22	5	45.48	-24.76	1.76	18.96	-34.05	17.66	-0.91	17.40	-0.65	-2.18
1	22	10	8.61	-30.35	3.27	-25.02	-13.39	1.20	-15.57	1.20	-15.57	-0.15
1	22	11	18.63	-38.67	-2.06	-17.98	-27.52	3.69	-15.38	3.53	-15.22	-1.77
1	22	12	3.36	-81.47	3.00	-81.12	5.46	-8.64e-02	-26.49	-8.79e-02	-26.49	0.20
1	22	13	-2.20	-78.83	-3.08	-77.94	8.19	0.64	-26.53	0.62	-26.51	0.67
1	22	14	6.18	-69.46	5.01	-68.30	9.33	1.95	-21.37	1.95	-21.37	6.00e-03
1	22	15	2.40	-68.67	-1.74	-64.54	16.64	-0.41	-22.07	-0.44	-22.03	0.83
1	22	17	11.32	-51.20	7.25	-47.13	15.42	1.36	-15.41	1.36	-15.40	-0.20
1	22	22	10.39	-57.99	-3.21	-44.39	27.30	3.76	-15.24	3.66	-15.14	1.36
1	22	23	33.97	-28.77	23.00	-17.79	23.84	0.56	-9.33	-1.75	-7.02	4.18
1	22	28	38.60	-47.39	3.06	-11.85	42.35	17.68	-0.59	17.48	-0.39	1.89
1	22	29	-0.17	-115.25	-0.30	-115.11	3.95	-8.04	-28.51	-8.04	-28.51	-0.27
1	22	30	5.67	-102.12	5.56	-102.00	3.53	-7.62	-23.69	-7.63	-23.68	0.38

1	22	31	8.17	-82.25	8.02	-82.10	3.67	-6.20	-17.35	-6.23	-17.32	0.59
1	22	32	4.55	-55.86	4.53	-55.84	-1.18	-4.01	-10.17	-4.05	-10.13	0.47
1	22	33	-2.25	-133.32	-2.25	-133.32	-0.29	-10.07	-29.03	-10.07	-29.03	4.13e-02
1	22	34	3.49	-117.80	3.48	-117.79	-1.10	-7.13	-23.68	-7.13	-23.67	-0.25
1	22	35	4.45	-93.44	4.31	-93.30	-3.70	-4.56	-16.90	-4.56	-16.90	-6.05e-02
1	22	36	0.60	-58.26	0.18	-57.85	-4.91	-2.72	-9.50	-2.72	-9.50	-9.55e-02
1	22	37	1.15	-145.92	1.14	-145.91	-0.88	8.54	-25.12	8.53	-25.11	0.41
1	22	38	2.19	-125.14	2.18	-125.13	-1.18	4.75	-21.55	4.74	-21.55	0.41
1	22	39	3.04	-96.36	2.93	-96.25	-3.30	4.31	-15.41	4.31	-15.41	0.13
1	22	40	5.92	-57.15	5.63	-56.86	-4.26	3.96	-8.32	3.95	-8.31	0.41
1	22	41	4.72	-52.78	3.29	-51.36	-8.94	1.86	-21.48	1.85	-21.47	-0.48
1	22	42	51.72	7.02	8.88	49.86	8.92	3.27	-3.69	-2.16	1.74	-2.88
1	22	43	13.52	-0.23	2.67	10.62	5.61	2.30	-2.21	-0.96	1.05	2.02
1	22	44	-2.30	-180.81	-2.30	-180.81	-0.33	-1.84	-31.98	-1.84	-31.98	-0.30
1	22	45	0.72	-29.19	0.51	-28.98	-2.46	0.76	-10.03	0.51	-9.77	-1.64
1	22	46	8.07e-02	-78.06	5.09e-02	-78.03	-1.52	0.23	-16.65	0.16	-16.58	-1.07
1	22	47	7.47	-55.41	-1.38	-46.55	-21.87	-0.47	-22.18	-0.55	-22.10	-1.27
1	22	48	2.89	-72.64	2.36	-72.11	-6.32	-0.11	-26.55	-0.13	-26.53	-0.74
1	22	49	0.36	-72.25	-3.20	-68.69	-15.68	0.57	-26.60	0.52	-26.55	-1.21
1	22	50	7.37	-24.31	5.02	-21.95	8.32	-3.99	-10.11	-4.06	-10.04	-0.64
1	22	52	6.09	-51.51	5.72	-51.14	4.57	-6.27	-17.64	-6.35	-17.56	-0.92
1	22	53	3.90	-81.29	3.70	-81.08	4.18	-7.65	-23.83	-7.68	-23.80	-0.78
1	22	54	-1.16	-104.78	-1.25	-104.70	3.01	-8.05	-28.58	-8.05	-28.58	-0.20
1	22	62	3.48	-12.38	1.20	-10.10	5.57	6.76	-0.39	5.99	0.38	-2.22
1	22	63	10.81	-9.60	-1.37	2.57	10.01	0.82	-0.78	-6.37e-02	0.11	0.80
1	22	64	-1.84	-25.80	-23.67	-3.97	6.82	2.64	-2.29	-0.63	0.98	-2.33
1	22	65	-37.71	-90.77	-48.28	-80.19	-21.20	34.79	-0.94	34.76	-0.91	-1.13
1	22	71	139.79	-27.76	4.59	107.44	-66.13	-1.33	-50.54	-44.39	-7.47	-16.27
1	22	72	2.56	-85.10	2.36	-84.90	-4.15	1.68	-27.96	1.67	-27.95	-0.29
1	22	73	178.49	-29.61	10.42	138.46	82.02	-2.11	-50.44	-43.46	-9.08	16.98
1	22	74	-53.42	-164.61	-62.90	-155.12	31.06	35.43	1.12	35.43	1.12	-0.32
1	22	75	-22.64	-25.40	-22.64	-25.39	-0.16	3.81	-1.75	-0.24	2.30	2.47
1	22	76	-13.10	-33.02	-13.33	-32.79	-2.11	2.13	-0.38	0.10	1.64	-0.99
1	22	77	-22.30	-73.48	-22.30	-73.48	-0.42	9.12	1.86	8.14	2.84	2.48
1	22	78	5.74	-29.41	0.43	-24.10	12.59	-2.90	-9.52	-2.90	-9.52	-5.64e-02
1	22	79	3.97	-64.02	2.41	-62.46	10.18	-4.77	-17.29	-4.77	-17.28	-0.21
1	22	80	-5.68	-147.00	-5.69	-147.00	0.54	14.66	-26.92	14.65	-26.91	-0.50
1	22	81	-6.08	-132.03	-6.17	-131.95	3.21	-9.79	-31.93	-9.79	-31.93	-0.26
1	22	82	-3.94	-114.08	-4.04	-113.98	3.32	-8.03	-30.76	-8.03	-30.75	-0.25
1	22	83	0.67	-80.79	0.67	-80.79	-0.69	-0.40	-29.27	-0.41	-29.27	-0.29
1	22	88	2.25	-97.37	1.69	-96.81	7.45	-7.30	-23.88	-7.30	-23.88	-0.16
1	22	95	-2.77	-123.30	-3.14	-122.93	6.69	-10.18	-29.14	-10.19	-29.13	-0.52
1	22	97	-0.33	-115.44	-0.34	-115.43	-1.24	0.44	-21.16	0.34	-21.06	-1.46
1	22	98	-0.25	-140.52	-0.28	-140.49	-2.05	0.55	-28.22	0.52	-28.19	-0.96
1	22	99	-0.26	-148.66	-0.29	-148.63	2.10	0.41	-27.73	0.40	-27.72	0.44
1	22	100	-0.93	-132.15	-0.94	-132.14	0.92	0.35	-20.99	0.30	-20.94	1.03
1	22	101	-1.18	-101.30	-1.18	-101.30	-0.22	0.17	-16.28	0.13	-16.24	0.81
1	22	102	-0.74	-55.61	-0.80	-55.56	-1.73	1.17	-9.21	0.96	-9.00	1.47
1	22	105	-2.10	-31.63	-2.65	-31.08	4.00	3.51	-8.37	3.46	-8.33	-0.72
1	22	107	0.83	-70.79	0.67	-70.63	3.42	3.80	-15.85	3.78	-15.83	-0.62
1	22	111	1.34	-106.96	1.31	-106.93	1.84	4.38	-21.81	4.34	-21.76	-1.09
1	24	3	1.03	-190.13	1.03	-190.13	5.92e-02	12.54	-35.97	12.47	-35.90	-1.83
1	24	4	40.70	-37.51	16.25	-13.06	-36.25	0.38	-13.20	-3.08	-9.74	-5.92
1	24	5	53.24	-59.86	-5.90	-0.73	-56.49	25.12	-1.11	24.71	-0.70	-3.24
1	24	10	8.25	-67.12	-1.25	-57.63	-25.01	1.52	-22.05	1.52	-22.05	-0.22
1	24	11	13.34	-79.47	-12.95	-53.18	-41.82	5.21	-21.77	4.97	-21.54	-2.51
1	24	12	-3.10	-119.95	-3.79	-119.26	8.99	-0.44	-37.88	-0.44	-37.88	0.29
1	24	13	-9.61	-120.29	-12.25	-117.65	16.91	0.89	-37.85	0.87	-37.83	0.97
1	24	14	0.49	-96.79	-1.99	-94.31	15.34	2.53	-30.46	2.53	-30.46	1.52e-02
1	24	15	-1.11	-100.08	-10.16	-91.02	28.53	-0.55	-31.40	-0.60	-31.36	1.21
1	24	17	8.48	-67.35	-0.37	-58.50	24.35	1.65	-21.98	1.65	-21.97	-0.22
1	24	22	13.51	-79.53	-11.50	-54.51	41.25	5.48	-21.63	5.34	-21.48	2.00
1	24	23	40.67	-38.12	17.24	-14.68	36.02	0.74	-12.97	-2.64	-9.59	5.91
1	24	28	53.01	-59.93	-4.23	-2.70	56.46	25.08	-0.91	24.80	-0.64	2.66
1	24	29	-5.90	-158.85	-5.92	-158.83	1.59	-11.65	-40.75	-11.66	-40.75	-0.39
1	24	30	1.47	-132.04	1.38	-131.94	3.57	-11.10	-33.81	-11.12	-33.79	0.56
1	24	31	4.88	-96.00	4.44	-95.56	6.63	-9.07	-24.80	-9.12	-24.75	0.86
1	24	32	2.16	-55.44	1.93	-55.22	3.61	-5.74	-14.30	-5.80	-14.25	0.70
1	24	33	-5.48	-178.53	-5.57	-178.44	-4.00	-14.70	-41.50	-14.70	-41.50	4.97e-02
1	24	34	1.92	-148.71	1.88	-148.67	-2.49	-10.38	-33.76	-10.39	-33.76	-0.38
1	24	35	2.93	-107.57	2.83	-107.48	-3.29	-6.63	-24.11	-6.63	-24.11	-0.13
1	24	36	-1.61	-56.63	-1.77	-56.46	-3.00	-3.84	-13.29	-3.84	-13.28	-0.20
1	24	37	1.66	-188.17	1.64	-188.14	-2.02	12.49	-35.76	12.48	-35.75	0.69
1	24	38	2.68	-152.75	2.67	-152.74	-1.28	6.71	-30.67	6.69	-30.66	0.63
1	24	39	2.88	-108.72	2.81	-108.65	-2.85	5.94	-21.96	5.94	-21.96	0.13
1	24	40	3.67	-56.83	3.53	-56.70	-2.86	5.61	-11.40	5.60	-11.39	0.50
1	24	41	0.43	-96.69	-2.55	-93.71	-16.75	2.43	-30.56	2.42	-30.55	-0.69

1	24	42	46.37	7.79	8.08	46.08	3.32	4.76	-4.93	-2.88	2.70	-3.96
1	24	43	43.97	5.74	5.74	43.97	-0.19	3.02	-3.19	-1.46	1.29	2.79
1	24	44	-3.19	-238.90	-3.19	-238.90	-0.45	-2.67	-46.03	-2.68	-46.03	-0.42
1	24	45	0.50	-57.37	0.47	-57.35	-1.25	1.14	-14.11	0.79	-13.76	-2.29
1	24	46	-0.51	-119.48	-0.52	-119.47	-0.93	0.29	-23.50	0.19	-23.40	-1.52
1	24	47	-1.18	-100.07	-11.16	-90.09	-29.79	-0.66	-31.50	-0.77	-31.39	-1.82
1	24	48	-3.09	-119.90	-4.14	-118.86	-10.99	-0.46	-37.94	-0.49	-37.91	-1.05
1	24	49	-9.62	-120.31	-12.86	-117.07	-18.65	0.81	-37.93	0.73	-37.86	-1.73
1	24	50	2.44	-55.63	2.13	-55.31	-4.28	-5.81	-14.63	-5.92	-14.52	-0.97
1	24	52	4.40	-96.46	3.75	-95.81	-8.11	-9.13	-25.03	-9.24	-24.92	-1.34
1	24	53	1.01	-132.52	0.75	-132.26	-5.91	-11.13	-33.97	-11.19	-33.92	-1.12
1	24	54	-6.16	-159.15	-6.30	-159.01	-4.54	-11.66	-40.83	-11.67	-40.82	-0.28
1	24	62	-20.80	-66.91	-21.01	-66.70	-3.10	9.68	1.02	8.45	2.25	-3.02
1	24	63	-16.09	-22.42	-16.21	-22.30	-0.87	2.13	-0.49	0.21	1.43	1.16
1	24	64	-18.71	-36.56	-34.57	-20.69	-5.62	4.61	-2.64	-0.63	2.61	-3.24
1	24	65	-55.39	-185.13	-77.83	-162.68	-49.08	48.97	0.24	48.92	0.28	-1.53
1	24	71	224.49	-49.94	0.83	173.71	-106.56	-2.49	-71.65	-63.06	-11.08	-22.81
1	24	72	-5.36	-133.92	-5.36	-133.91	-1.01	2.49	-39.97	2.48	-39.97	-0.42
1	24	73	225.34	-52.74	3.91	168.70	111.99	-2.53	-71.98	-62.11	-12.39	24.25
1	24	74	-55.28	-185.87	-76.01	-165.14	47.73	49.57	-0.31	49.57	-0.31	9.13e-02
1	24	75	-17.81	-37.10	-34.49	-20.42	6.61	4.69	-2.87	-0.55	2.37	3.49
1	24	76	-16.51	-23.09	-16.89	-22.71	1.53	2.24	-1.00	-8.88e-02	1.32	-1.46
1	24	77	-24.62	-62.79	-24.71	-62.69	1.91	12.05	1.15	10.96	2.24	3.27
1	24	78	-1.59	-57.78	-1.70	-57.66	2.51	-4.20	-13.78	-4.20	-13.78	-1.39e-02
1	24	79	2.03	-108.95	2.01	-108.93	1.43	-6.89	-24.48	-6.89	-24.48	-0.25
1	24	80	-7.63	-197.00	-7.63	-196.99	-1.03	21.63	-38.35	21.62	-38.34	-0.71
1	24	81	-10.55	-184.39	-10.56	-184.38	-1.69	-14.32	-45.68	-14.32	-45.68	-0.37
1	24	82	-10.46	-165.37	-10.48	-165.35	-1.57	-11.67	-43.94	-11.68	-43.94	-0.35
1	24	83	-6.40	-125.82	-6.41	-125.81	-1.09	-1.13	-41.95	-1.13	-41.95	-0.41
1	24	88	1.00	-149.96	1.00	-149.96	-0.22	-10.62	-34.02	-10.63	-34.02	-0.19
1	24	95	-6.04	-179.24	-6.05	-179.23	0.74	-14.86	-41.65	-14.88	-41.63	-0.72
1	24	97	-0.85	-164.05	-0.87	-164.03	-1.61	0.65	-29.93	0.50	-29.78	-2.14
1	24	98	-0.48	-190.87	-0.52	-190.83	-2.87	0.80	-40.26	0.75	-40.21	-1.47
1	24	99	-0.27	-186.94	-0.32	-186.90	2.92	0.58	-39.54	0.57	-39.53	0.73
1	24	100	-0.86	-157.51	-0.88	-157.50	1.51	0.51	-29.69	0.44	-29.62	1.53
1	24	101	-0.63	-110.92	-0.64	-110.91	0.88	0.29	-23.10	0.24	-23.04	1.12
1	24	102	-0.20	-49.73	-0.20	-49.73	0.40	1.49	-13.12	1.21	-12.84	2.00
1	24	105	1.69	-59.16	1.67	-59.14	1.10	4.67	-12.28	4.61	-12.22	-0.95
1	24	107	2.00	-112.65	1.99	-112.65	0.40	5.33	-22.42	5.30	-22.40	-0.83
1	24	111	1.90	-156.16	1.89	-156.16	-0.95	6.20	-31.01	6.13	-30.94	-1.59
1	27	3	0.65	-141.55	0.65	-141.54	0.82	8.56	-25.27	8.51	-25.22	-1.21
1	27	4	30.49	-19.65	17.87	-7.02	-21.76	0.37	-9.21	-1.98	-6.86	-4.12
1	27	5	41.34	-35.07	1.80	4.46	-38.18	17.68	-0.82	17.40	-0.54	-2.24
1	27	10	9.71	-40.22	5.01	-35.52	-14.58	1.23	-15.52	1.23	-15.52	-0.13
1	27	11	13.96	-47.52	-3.15	-30.41	-27.56	3.63	-15.36	3.47	-15.20	-1.75
1	27	12	3.17	-76.70	2.83	-76.36	5.22	-8.75e-02	-26.50	-8.91e-02	-26.50	0.20
1	27	13	-1.09	-74.96	-2.90	-73.15	11.41	0.64	-26.53	0.62	-26.52	0.68
1	27	14	5.51	-60.83	4.36	-59.67	8.66	1.94	-21.38	1.94	-21.38	4.63e-03
1	27	15	4.72	-61.47	-1.21	-55.54	18.90	-0.40	-22.08	-0.43	-22.05	0.84
1	27	17	9.94	-40.41	5.58	-36.05	14.17	1.32	-15.46	1.32	-15.46	-0.18
1	27	22	14.20	-47.73	-2.17	-31.36	27.31	3.83	-15.26	3.72	-15.16	1.39
1	27	23	30.60	-20.12	18.63	-8.14	21.54	0.63	-9.04	-1.67	-6.75	4.11
1	27	28	41.33	-35.28	2.87	3.18	38.31	17.65	-0.68	17.46	-0.49	1.83
1	27	29	-0.62	-109.45	-0.62	-109.45	-0.63	-8.04	-28.52	-8.04	-28.52	-0.27
1	27	30	4.83	-91.06	4.82	-91.05	-1.24	-7.62	-23.70	-7.63	-23.69	0.38
1	27	31	7.04	-66.20	7.02	-66.18	-1.11	-6.21	-17.41	-6.24	-17.38	0.59
1	27	32	5.13	-39.27	4.50	-38.64	-5.26	-3.98	-10.03	-4.01	-9.99	0.47
1	27	33	-2.33	-127.57	-2.51	-127.39	-4.77	-10.07	-29.03	-10.07	-29.03	4.38e-02
1	27	34	3.17	-106.65	2.90	-106.38	-5.46	-7.13	-23.69	-7.13	-23.68	-0.25
1	27	35	4.28	-77.68	3.52	-76.92	-7.87	-4.57	-16.96	-4.57	-16.96	-5.51e-02
1	27	36	2.20	-42.34	0.13	-40.27	-9.38	-2.68	-9.34	-2.68	-9.34	-8.68e-02
1	27	37	1.11	-140.08	1.07	-140.04	-2.27	8.54	-25.13	8.54	-25.12	0.41
1	27	38	1.97	-114.29	1.92	-114.24	-2.49	4.75	-21.57	4.74	-21.56	0.41
1	27	39	2.17	-81.87	1.95	-81.65	-4.33	4.28	-15.47	4.28	-15.47	0.13
1	27	40	2.18	-42.93	1.63	-42.38	-4.95	4.08	-8.05	4.07	-8.04	0.42
1	27	41	5.45	-60.70	4.03	-59.27	-9.60	1.87	-21.46	1.86	-21.45	-0.48
1	27	42	30.63	6.05	6.25	30.43	2.22	3.45	-3.57	-2.08	1.97	-2.87
1	27	43	27.78	4.41	4.41	27.78	0.31	2.20	-2.30	-1.05	0.95	2.01
1	27	44	-2.29	-180.21	-2.29	-180.21	-0.32	-1.84	-31.99	-1.84	-31.98	-0.30
1	27	45	0.26	-46.84	0.23	-46.82	-1.09	0.83	-10.01	0.57	-9.75	-1.67
1	27	46	-0.45	-92.75	-0.45	-92.74	-0.61	0.20	-16.60	0.13	-16.53	-1.08
1	27	47	4.65	-61.37	-1.85	-54.87	-19.67	-0.48	-22.16	-0.55	-22.08	-1.27
1	27	48	3.17	-76.64	2.63	-76.09	-6.57	-0.10	-26.54	-0.13	-26.52	-0.74
1	27	49	-1.10	-74.91	-3.28	-72.72	-12.50	0.58	-26.59	0.52	-26.54	-1.21
1	27	50	5.51	-39.41	5.00	-38.91	4.73	-4.02	-10.26	-4.09	-10.19	-0.65
1	27	52	6.70	-66.51	6.70	-66.51	6.68e-02	-6.25	-17.58	-6.33	-17.50	-0.93
1	27	53	4.48	-91.37	4.48	-91.36	-0.44	-7.65	-23.82	-7.68	-23.78	-0.78

1	27	54	-0.82	-109.64	-0.85	-109.62	-1.49	-8.05	-28.58	-8.05	-28.57	-0.20
1	27	62	-7.54	-43.51	-7.80	-43.25	3.07	7.08	0.70	6.15	1.63	-2.24
1	27	63	-3.10	-19.07	-7.03	-15.14	6.88	1.41	-0.36	0.12	0.92	0.79
1	27	64	-13.40	-25.19	-23.43	-15.16	4.20	3.18	-1.92	-0.46	1.73	-2.31
1	27	65	-46.33	-126.72	-56.32	-116.74	-26.51	34.88	0.27	34.86	0.30	-0.90
1	27	71	158.56	-27.46	6.37	124.74	-71.75	-1.71	-50.37	-44.26	-7.82	-16.13
1	27	72	2.41	-84.55	2.41	-84.54	-0.66	1.68	-27.96	1.68	-27.95	-0.29
1	27	73	159.28	-29.08	8.60	121.60	75.35	-1.73	-50.60	-43.58	-8.74	17.13
1	27	74	-46.75	-127.70	-55.80	-118.65	25.50	35.30	-0.11	35.30	-0.11	-0.12
1	27	75	-13.00	-24.77	-23.58	-14.19	-3.56	3.24	-2.09	-0.40	1.56	2.48
1	27	76	-4.46	-19.33	-8.19	-15.59	-6.45	1.49	-0.73	-8.27e-02	0.85	-1.00
1	27	77	-10.11	-40.91	-10.63	-40.39	-3.97	8.81	0.81	7.98	1.64	2.44
1	27	78	2.17	-43.18	0.31	-41.33	8.99	-2.93	-9.69	-2.94	-9.69	-5.88e-02
1	27	79	3.58	-78.63	3.07	-78.11	6.50	-4.76	-17.22	-4.76	-17.22	-0.21
1	27	80	-5.70	-146.52	-5.71	-146.51	-0.75	14.66	-26.92	14.65	-26.91	-0.50
1	27	81	-6.12	-131.53	-6.13	-131.52	-1.23	-9.79	-31.93	-9.79	-31.93	-0.26
1	27	82	-3.99	-113.61	-4.00	-113.60	-1.13	-8.03	-30.76	-8.03	-30.75	-0.25
1	27	83	0.75	-80.39	0.74	-80.39	-0.73	-0.40	-29.27	-0.40	-29.26	-0.29
1	27	88	2.44	-107.52	2.33	-107.41	3.45	-7.30	-23.87	-7.30	-23.87	-0.16
1	27	95	-2.77	-128.06	-2.81	-128.01	2.38	-10.18	-29.14	-10.19	-29.12	-0.52
1	27	97	-0.60	-125.50	-0.61	-125.49	-1.13	0.44	-21.16	0.34	-21.06	-1.46
1	27	98	-0.32	-145.37	-0.35	-145.34	-2.06	0.55	-28.22	0.52	-28.18	-0.96
1	27	99	-0.17	-142.56	-0.21	-142.53	2.10	0.41	-27.74	0.40	-27.73	0.44
1	27	100	-0.63	-120.82	-0.64	-120.81	1.06	0.35	-21.00	0.30	-20.95	1.03
1	27	101	-0.56	-86.35	-0.57	-86.35	0.52	0.20	-16.32	0.16	-16.28	0.80
1	27	102	-0.27	-41.40	-0.27	-41.40	0.34	1.09	-9.32	0.88	-9.11	1.46
1	27	105	0.60	-44.96	0.34	-44.70	3.44	3.39	-8.67	3.34	-8.62	-0.74
1	27	107	1.45	-84.84	1.38	-84.77	2.47	3.83	-15.80	3.81	-15.78	-0.62
1	27	111	1.38	-116.90	1.38	-116.89	0.81	4.38	-21.80	4.34	-21.75	-1.09
1	28	3	0.91	-201.91	0.90	-201.90	1.22	12.53	-35.98	12.46	-35.91	-1.84
1	28	4	43.33	-27.86	25.34	-9.87	-30.94	0.39	-13.20	-3.07	-9.74	-5.92
1	28	5	58.88	-49.76	2.59	6.52	-54.28	25.08	-1.13	24.68	-0.72	-3.25
1	28	10	13.78	-57.19	7.06	-50.47	-20.77	1.54	-22.05	1.53	-22.05	-0.22
1	28	11	19.97	-67.50	-4.50	-43.03	-39.27	5.20	-21.77	4.97	-21.54	-2.52
1	28	12	4.47	-109.47	3.97	-108.97	7.54	-0.43	-37.87	-0.43	-37.87	0.29
1	28	13	-1.54	-107.07	-4.17	-104.44	16.44	0.90	-37.85	0.88	-37.82	0.97
1	28	14	7.81	-86.65	6.16	-85.00	12.38	2.54	-30.46	2.54	-30.46	2.04e-02
1	28	15	6.80	-87.53	-1.74	-78.99	27.07	-0.54	-31.40	-0.59	-31.35	1.21
1	28	17	14.11	-57.47	7.88	-51.23	20.19	1.66	-21.97	1.66	-21.97	-0.22
1	28	22	20.32	-67.81	-3.09	-44.40	38.92	5.48	-21.63	5.33	-21.48	2.00
1	28	23	43.50	-28.54	26.45	-11.48	30.63	0.75	-12.97	-2.63	-9.59	5.91
1	28	28	58.88	-50.07	4.10	4.70	54.47	25.04	-0.93	24.77	-0.65	2.67
1	28	29	-1.13	-156.19	-1.14	-156.18	-0.90	-11.65	-40.75	-11.65	-40.75	-0.38
1	28	30	6.86	-129.73	6.84	-129.71	-1.78	-11.10	-33.81	-11.11	-33.79	0.56
1	28	31	10.04	-94.11	10.02	-94.08	-1.59	-9.06	-24.80	-9.11	-24.75	0.87
1	28	32	7.27	-55.68	6.36	-54.78	-7.49	-5.74	-14.30	-5.80	-14.24	0.71
1	28	33	-3.55	-182.01	-3.81	-181.75	-6.83	-14.70	-41.50	-14.70	-41.50	5.28e-02
1	28	34	4.49	-151.90	4.10	-151.52	-7.78	-10.38	-33.77	-10.39	-33.76	-0.38
1	28	35	6.11	-110.42	5.02	-109.33	-11.22	-6.63	-24.11	-6.63	-24.11	-0.12
1	28	36	3.10	-60.04	0.15	-57.09	-13.32	-3.84	-13.28	-3.84	-13.28	-0.19
1	28	37	1.57	-199.79	1.51	-199.74	-3.29	12.49	-35.77	12.48	-35.76	0.70
1	28	38	2.77	-162.66	2.70	-162.58	-3.54	6.70	-30.68	6.69	-30.67	0.63
1	28	39	3.05	-116.31	2.73	-115.99	-6.16	5.93	-21.97	5.93	-21.97	0.14
1	28	40	3.08	-60.91	2.30	-60.13	-7.01	5.62	-11.39	5.60	-11.38	0.51
1	28	41	7.73	-86.46	5.69	-84.42	-13.71	2.44	-30.56	2.43	-30.54	-0.70
1	28	42	43.47	8.60	8.89	43.18	3.17	4.76	-4.93	-2.88	2.71	-3.96
1	28	43	39.42	6.27	6.28	39.41	0.44	3.03	-3.19	-1.45	1.29	2.79
1	28	44	-3.31	-257.79	-3.31	-257.78	-0.47	-2.67	-46.05	-2.68	-46.04	-0.42
1	28	45	0.37	-66.51	0.33	-66.48	-1.51	1.14	-14.11	0.79	-13.76	-2.30
1	28	46	-0.63	-131.62	-0.63	-131.62	-0.87	0.29	-23.51	0.20	-23.41	-1.53
1	28	47	6.70	-87.37	-2.66	-78.02	-28.15	-0.66	-31.50	-0.76	-31.39	-1.83
1	28	48	4.47	-109.37	3.68	-108.58	-9.46	-0.45	-37.93	-0.48	-37.90	-1.06
1	28	49	-1.55	-106.99	-4.72	-103.82	-18.00	0.82	-37.93	0.74	-37.85	-1.73
1	28	50	7.80	-55.88	7.08	-55.16	6.74	-5.80	-14.63	-5.91	-14.52	-0.98
1	28	52	9.55	-94.55	9.55	-94.55	0.10	-9.12	-25.03	-9.24	-24.92	-1.35
1	28	53	6.35	-130.17	6.35	-130.16	-0.62	-11.13	-33.97	-11.18	-33.92	-1.13
1	28	54	-1.43	-156.46	-1.46	-156.43	-2.12	-11.66	-40.83	-11.66	-40.82	-0.28
1	28	62	-10.67	-61.77	-11.05	-61.39	4.41	9.67	0.96	8.45	2.18	-3.03
1	28	63	-4.35	-27.05	-10.07	-21.33	9.85	2.09	-0.50	0.20	1.39	1.15
1	28	64	-18.95	-35.87	-33.45	-21.36	5.92	4.61	-2.64	-0.63	2.60	-3.25
1	28	65	-65.78	-179.94	-80.02	-165.71	-37.72	48.92	0.23	48.87	0.28	-1.54
1	28	71	225.41	-39.08	9.04	177.28	-102.05	-2.49	-71.59	-63.02	-11.07	-22.79
1	28	72	3.55	-120.99	3.54	-120.99	-0.95	2.49	-39.97	2.49	-39.96	-0.42
1	28	73	226.44	-41.38	12.23	172.83	107.17	-2.53	-71.92	-62.06	-12.38	24.22
1	28	74	-66.42	-181.38	-79.32	-168.48	36.29	49.52	-0.30	49.52	-0.30	0.10
1	28	75	-18.31	-35.28	-33.64	-19.95	-5.01	4.70	-2.88	-0.54	2.36	3.50
1	28	76	-6.27	-27.40	-11.72	-21.95	-9.25	2.21	-1.01	-9.78e-02	1.30	-1.45

1	28	77	-14.33	-58.11	-15.08	-57.35	-5.70	12.06	1.09	10.96	2.19	3.29
1	28	78	3.05	-61.25	0.41	-58.60	12.77	-4.20	-13.77	-4.20	-13.77	-2.31e-02
1	28	79	5.11	-111.78	4.38	-111.04	9.26	-6.89	-24.49	-6.89	-24.49	-0.26
1	28	80	-8.30	-209.10	-8.30	-209.09	-1.07	21.62	-38.36	21.62	-38.35	-0.71
1	28	81	-9.09	-187.67	-9.11	-187.65	-1.75	-14.31	-45.69	-14.32	-45.68	-0.37
1	28	82	-6.09	-162.14	-6.10	-162.12	-1.61	-11.67	-43.95	-11.67	-43.94	-0.35
1	28	83	0.97	-114.78	0.96	-114.77	-1.04	-1.11	-41.95	-1.12	-41.94	-0.41
1	28	88	3.44	-153.15	3.29	-152.99	4.93	-10.62	-34.03	-10.62	-34.03	-0.19
1	28	95	-4.18	-182.71	-4.24	-182.65	3.42	-14.85	-41.65	-14.87	-41.63	-0.72
1	28	97	-0.85	-178.53	-0.87	-178.52	-1.64	0.65	-29.94	0.50	-29.78	-2.14
1	28	98	-0.44	-207.18	-0.49	-207.13	-2.99	0.80	-40.27	0.75	-40.22	-1.47
1	28	99	-0.23	-203.14	-0.28	-203.09	3.05	0.58	-39.55	0.57	-39.54	0.74
1	28	100	-0.89	-171.81	-0.90	-171.80	1.54	0.51	-29.70	0.44	-29.63	1.54
1	28	101	-0.79	-122.52	-0.80	-122.52	0.75	0.29	-23.10	0.24	-23.05	1.13
1	28	102	-0.38	-58.75	-0.38	-58.75	0.44	1.49	-13.13	1.21	-12.85	2.01
1	28	105	0.83	-63.80	0.46	-63.43	4.88	4.67	-12.26	4.62	-12.21	-0.96
1	28	107	2.03	-120.56	1.93	-120.46	3.52	5.32	-22.43	5.30	-22.40	-0.84
1	28	111	1.94	-166.39	1.93	-166.38	1.15	6.20	-31.02	6.13	-30.95	-1.60
1	31	3	2.06	-279.27	1.40	-278.61	13.60	10.29	-22.19	10.17	-22.07	1.96
1	31	4	109.19	10.97	71.17	48.99	47.84	69.48	0.15	69.25	0.37	3.93
1	31	5	103.43	13.09	13.49	103.03	6.00	121.34	15.86	121.12	16.07	4.72
1	31	10	106.23	28.04	85.72	48.55	34.39	66.60	-11.39	66.01	-10.80	6.76
1	31	11	96.45	78.41	83.72	91.14	-8.22	78.44	-9.68	78.34	-9.58	2.98
1	31	12	86.67	12.21	70.83	28.04	-30.47	47.41	-23.97	47.41	-23.97	0.52
1	31	13	76.33	53.60	61.78	68.16	-10.91	67.59	-21.78	67.59	-21.78	0.45
1	31	14	93.92	3.89	69.03	28.77	-40.26	52.86	-18.11	52.64	-17.88	-3.99
1	31	15	70.53	51.44	64.10	57.87	-9.03	59.51	-18.14	59.44	-18.06	-2.47
1	31	17	100.79	3.05	73.34	30.49	-43.92	59.80	-9.69	58.85	-8.74	-8.06
1	31	22	62.82	50.29	62.46	50.65	-2.11	65.00	-8.83	64.76	-8.58	-4.24
1	31	23	98.29	7.86	67.31	38.84	-42.91	60.92	6.77e-02	60.51	0.48	-4.98
1	31	28	59.75	12.87	13.94	58.68	-7.01	101.51	14.57	100.87	15.21	-7.44
1	31	29	66.11	-107.92	47.85	-89.65	-53.34	-3.52	-32.21	-4.57	-31.16	-5.39
1	31	30	90.63	-112.12	47.08	-68.57	-83.27	2.99	-25.18	1.23	-23.42	-6.82
1	31	31	114.22	-115.48	46.12	-47.38	-104.91	6.64	-19.28	2.59	-15.24	-9.41
1	31	32	140.60	-123.38	46.35	-29.13	-126.48	4.10	-17.45	-6.29	-7.05	-10.77
1	31	33	34.49	-183.75	18.78	-168.04	-56.41	-5.38	-28.71	-6.07	-28.03	-3.93
1	31	34	57.53	-177.31	21.70	-141.48	-84.44	-3.52	-25.31	-6.01	-22.81	-6.94
1	31	35	84.53	-168.06	21.56	-105.09	-109.28	-1.91	-20.25	-5.48	-16.68	-7.26
1	31	36	111.17	-156.86	16.95	-62.64	-127.97	2.95	-14.53	-2.63	-8.95	-8.14
1	31	37	3.33	-267.52	0.68	-264.87	-26.65	10.12	-21.43	9.75	-21.06	-3.36
1	31	38	7.96	-230.08	1.27	-223.39	-39.36	7.36	-19.40	6.40	-18.43	-4.99
1	31	39	14.29	-181.00	0.29	-167.00	-50.38	6.43	-16.11	4.29	-13.97	-6.60
1	31	40	31.62	-122.86	2.82	-94.06	-60.16	7.45	-7.97	3.31	-3.82	-6.83
1	31	41	94.18	25.49	81.35	38.31	26.77	58.12	-19.66	58.06	-19.61	2.10
1	31	42	32.34	4.40	8.37	28.37	9.75	5.37	-1.42	0.62	3.32	-3.11
1	31	43	-13.77	-63.54	-28.34	-48.97	22.65	14.81	-7.72	0.77	6.32	10.92
1	31	44	-9.00	-391.49	-9.00	-391.48	-1.46	-1.66	-23.53	-1.67	-23.51	-0.49
1	31	45	-1.61	-194.37	-2.83	-193.14	15.34	-0.25	-16.80	-1.43	-15.62	4.27
1	31	46	-8.68	-266.58	-8.68	-266.58	1.13	2.76	-17.53	1.11	-15.88	5.55
1	31	47	79.88	74.85	78.20	76.53	-2.38	67.72	-19.58	67.72	-19.57	-0.46
1	31	48	84.42	29.24	81.90	31.75	11.51	51.87	-25.31	51.79	-25.23	-2.50
1	31	49	77.11	69.35	71.58	74.89	-3.51	70.77	-24.16	70.60	-23.99	-4.05
1	31	50	165.48	-131.21	61.64	-27.37	141.51	2.90	-18.24	-5.54	-9.80	10.35
1	31	52	116.80	-103.60	57.69	-44.48	97.65	6.71	-21.63	3.46	-18.37	9.04
1	31	53	85.85	-99.36	57.30	-70.81	66.87	2.45	-27.39	0.90	-25.84	6.63
1	31	54	62.23	-98.92	56.92	-93.61	28.77	-4.74	-34.11	-5.58	-33.27	4.90
1	31	62	113.64	-138.72	49.20	-74.28	110.04	7.70	-22.01	7.31	-21.62	3.38
1	31	63	193.10	-165.35	56.05	-28.29	174.19	8.61	-11.38	-1.39	-1.38	9.99
1	31	64	182.03	-182.86	7.54	-8.37	182.27	2.55	-8.71	-3.61	-2.56	-5.61
1	31	65	105.64	-140.89	55.21	-90.47	99.44	202.66	27.40	188.65	41.41	47.53
1	31	71	351.78	202.17	311.27	242.69	-66.48	133.16	-6.63	117.95	8.58	-43.53
1	31	72	82.61	62.72	76.18	69.16	-9.31	76.39	-19.55	76.36	-19.52	-1.93
1	31	73	310.16	170.18	259.14	221.20	67.37	98.80	-15.57	83.61	-0.39	38.81
1	31	74	54.19	-169.85	13.34	-128.99	-86.51	179.98	22.36	161.81	40.52	-50.33
1	31	75	147.49	-153.03	-4.36	-1.18	-150.25	1.62	-8.02	-4.07	-2.32	4.74
1	31	76	155.77	-138.06	37.51	-19.80	-144.09	7.69	-8.62	-0.19	-0.74	-8.15
1	31	77	87.51	-117.90	40.98	-171.37	-85.98	-1.19	-18.53	-4.35	-15.37	-6.69
1	31	78	131.05	-165.21	28.84	-62.99	140.83	-1.95	-19.36	-7.75	-13.56	8.20
1	31	79	81.69	-160.70	28.06	-107.06	100.61	-7.23	-24.24	-10.37	-21.11	6.59
1	31	80	-7.52	-278.15	-7.69	-277.98	-6.76	15.14	-22.01	15.12	-21.99	-0.86
1	31	81	19.61	-178.91	18.62	-177.91	-14.00	-5.16	-30.88	-5.18	-30.86	-0.71
1	31	82	54.46	-98.22	52.98	-96.73	-14.99	-3.64	-39.73	-3.65	-39.73	-0.41
1	31	83	76.14	32.33	72.71	35.76	-11.77	66.57	-26.33	66.56	-26.31	-1.27
1	31	88	48.66	-169.38	26.32	-147.04	66.11	-6.57	-27.64	-8.52	-25.69	6.11
1	31	95	29.30	-177.27	24.25	-172.23	31.88	-6.41	-29.92	-6.77	-29.56	2.88
1	31	97	-4.26	-323.34	-4.26	-323.34	-0.48	1.52	-18.27	0.93	-17.68	3.37
1	31	98	-7.41	-360.86	-7.41	-360.86	0.28	0.75	-24.22	0.59	-24.06	2.01

1	31	99	-5.22	-325.33	-5.25	-325.30	-3.15	0.76	-23.30	0.45	-22.99	-2.71
1	31	100	-3.59	-280.28	-3.68	-280.19	-5.10	1.33	-18.03	0.79	-17.49	-3.18
1	31	101	-5.57	-213.93	-5.80	-213.70	-6.94	2.21	-15.48	1.13	-14.39	-4.24
1	31	102	-1.82	-150.08	-3.25	-148.65	-14.49	0.10	-10.95	-1.74	-9.11	-4.12
1	31	105	30.01	-144.37	2.88	-117.24	63.21	21.64	-4.80	18.51	-1.67	8.54
1	31	107	8.43	-201.66	-8.48e-02	-193.15	41.42	12.93	-17.40	10.77	-15.24	7.80
1	31	111	4.41	-251.28	1.66	-248.53	26.38	8.69	-20.81	7.97	-20.09	4.56
1	32	3	-0.28	-128.28	-0.30	-128.27	1.30	9.62	-24.01	9.59	-23.98	1.01
1	32	4	73.16	-29.86	40.15	3.15	-48.07	30.76	-6.64	30.59	-6.48	-2.50
1	32	5	60.44	-42.41	3.85	14.17	-51.16	65.67	7.26	65.46	7.47	3.55
1	32	10	36.82	-43.87	30.88	-37.93	-21.06	34.64	-15.46	34.23	-15.05	4.53
1	32	11	33.78	-68.26	17.23	-51.71	-37.61	34.67	-15.03	34.66	-15.02	0.69
1	32	12	44.00	-104.17	39.14	-99.31	26.40	30.27	-25.84	30.26	-25.82	-0.87
1	32	13	35.63	-107.03	30.00	-101.40	27.79	43.34	-25.51	43.29	-25.46	1.99
1	32	14	50.98	-79.53	44.17	-72.72	29.03	36.69	-19.55	36.58	-19.43	-2.50
1	32	15	45.74	-84.01	35.45	-73.71	35.07	39.70	-20.27	39.69	-20.27	-0.51
1	32	17	58.76	-51.94	47.07	-40.25	34.03	43.80	-10.92	43.30	-10.41	-5.22
1	32	22	59.65	-58.34	36.97	-35.66	46.49	47.14	-10.71	47.10	-10.67	-1.51
1	32	23	83.39	-35.14	54.03	-5.79	51.16	44.21	-2.29	44.17	-2.26	1.33
1	32	28	77.25	-49.20	7.05	21.00	62.84	82.15	12.01	81.93	12.23	-3.88
1	32	29	31.73	-134.07	27.02	-129.37	27.53	-9.28	-31.67	-9.93	-31.01	-3.78
1	32	30	34.47	-113.17	31.57	-110.27	20.49	-4.43	-25.41	-5.56	-24.28	-4.75
1	32	31	34.22	-88.88	32.94	-87.59	12.50	-1.66	-19.63	-4.22	-17.07	-6.28
1	32	32	33.26	-68.18	33.24	-68.17	1.18	-2.04	-18.27	-11.88	-8.42	-7.93
1	32	33	11.22	-139.79	8.38	-136.94	20.53	-7.08	-29.31	-7.46	-28.92	-2.89
1	32	34	16.54	-121.01	14.96	-119.43	14.65	-5.47	-24.73	-6.80	-23.40	-4.89
1	32	35	16.24	-93.18	16.21	-93.15	1.98	-3.30	-18.88	-5.26	-16.92	-5.16
1	32	36	12.59	-60.40	11.92	-59.72	-7.01	1.55	-12.11	-1.68	-8.88	-5.80
1	32	37	2.25	-147.20	1.29	-146.25	11.90	9.12	-23.28	8.93	-23.08	-2.49
1	32	38	3.11	-131.27	2.46	-130.62	9.35	6.29	-20.36	5.75	-19.83	-3.73
1	32	39	2.66	-107.97	2.55	-107.86	3.45	4.96	-15.83	3.96	-14.83	-4.45
1	32	40	0.90	-70.73	0.90	-70.72	-0.73	5.26	-6.20	3.04	-3.98	-4.53
1	32	41	32.73	-72.13	30.96	-70.36	-13.51	31.25	-23.05	31.10	-22.90	2.83
1	32	42	69.76	11.46	25.53	55.69	24.94	5.10	2.02	3.06	4.07	-1.46
1	32	43	83.96	24.72	48.50	60.18	-29.04	14.40	-4.22	3.21	6.98	9.12
1	32	44	4.64	-149.17	4.64	-149.17	0.89	-3.20	-26.59	-3.21	-26.58	-0.48
1	32	45	2.39	-50.23	-0.28	-47.56	-11.55	-0.62	-15.97	-0.96	-15.63	2.27
1	32	46	5.31	-55.14	5.17	-55.00	-2.91	0.99	-17.78	0.38	-17.17	3.32
1	32	47	27.89	-88.12	20.36	-80.59	-28.57	30.67	-23.72	30.62	-23.67	1.72
1	32	48	28.55	-98.27	28.29	-98.01	-5.78	28.13	-28.21	28.12	-28.20	0.69
1	32	49	21.35	-107.39	18.84	-104.88	-17.81	34.97	-29.06	34.96	-29.05	-0.76
1	32	50	21.98	-37.63	21.74	-37.39	-3.75	-5.02	-21.22	-14.11	-12.13	8.04
1	32	52	22.11	-67.20	21.64	-66.73	6.45	-4.16	-23.63	-6.37	-21.42	6.18
1	32	53	21.65	-97.73	21.31	-97.40	6.28	-7.15	-28.93	-8.04	-28.04	4.32
1	32	54	18.42	-122.87	18.16	-122.61	6.06	-11.51	-34.22	-11.96	-33.77	3.16
1	32	62	64.59	-4.61	63.65	-3.66	8.04	8.54	-21.21	8.48	-21.15	1.30
1	32	63	18.90	5.88	17.54	7.23	3.97	5.96	-9.70	-1.98	-1.76	7.83
1	32	64	-8.01	-17.85	-17.68	-8.18	1.29	2.78	-10.82	-5.10	-2.94	-6.71
1	32	65	-60.25	-144.04	-67.01	-137.28	-22.82	134.04	14.73	121.02	27.75	37.20
1	32	71	257.15	-28.13	86.00	143.02	-139.76	30.39	-59.62	-13.69	-15.54	-45.00
1	32	72	34.57	-126.05	34.22	-125.70	7.43	26.62	-27.88	26.61	-27.87	0.68
1	32	73	329.09	15.58	152.94	191.73	155.55	63.67	-36.91	36.63	-9.87	44.59
1	32	74	-38.76	-178.66	-41.41	-176.01	19.08	152.25	20.92	137.99	35.18	-40.86
1	32	75	-4.75	-52.40	-13.72	-43.43	-18.63	3.39	-10.17	-4.62	-2.16	6.67
1	32	76	17.22	-47.24	11.10	-41.11	-18.90	4.89	-6.14	-0.33	-0.92	-5.51
1	32	77	39.01	-70.18	33.77	-64.95	-23.33	-1.30	-16.22	-2.81	-14.70	-4.50
1	32	78	3.10	-30.63	2.56	-30.09	4.24	-2.64	-17.10	-6.28	-13.46	6.28
1	32	79	13.47	-73.16	10.58	-70.26	15.56	-7.97	-22.91	-9.56	-21.32	4.60
1	32	80	-5.40	-143.94	-5.74	-143.60	6.93	13.71	-24.41	13.69	-24.39	-0.89
1	32	81	3.81	-138.55	1.60	-136.34	17.63	-7.52	-31.98	-7.55	-31.94	-0.88
1	32	82	21.80	-132.79	19.33	-130.33	19.35	-6.71	-38.59	-6.72	-38.59	-0.43
1	32	83	32.06	-106.80	30.81	-105.55	13.11	40.18	-29.66	40.18	-29.66	-0.48
1	32	88	10.34	-103.27	9.35	-102.29	10.55	-7.85	-27.14	-8.68	-26.31	3.92
1	32	95	2.87	-129.14	1.98	-128.24	10.85	-7.95	-30.53	-8.03	-30.45	1.33
1	32	97	3.07	-90.09	3.00	-90.01	-2.66	0.59	-19.70	0.37	-19.48	2.10
1	32	98	7.62	-100.94	7.40	-100.71	-4.92	1.09	-26.13	1.04	-26.09	1.15
1	32	99	5.74	-140.53	5.29	-140.09	8.03	1.02	-25.22	0.88	-25.08	-1.88
1	32	100	1.86	-143.08	1.43	-142.66	7.84	0.40	-19.55	0.22	-19.37	-1.90
1	32	101	0.40	-120.16	6.25e-02	-119.82	6.40	0.54	-15.94	0.27	-15.67	-2.08
1	32	102	-2.99	-101.13	-2.99	-101.13	-3.91e-02	-0.62	-9.73	-1.26	-9.09	-2.33
1	32	105	-7.20	-36.88	-11.38	-32.70	-10.33	20.04	-3.60	18.26	-1.83	6.23
1	32	107	-5.52e-04	-68.14	-0.22	-67.92	3.84	11.93	-17.11	10.81	-15.99	5.61
1	32	111	1.07	-96.79	1.01	-96.73	2.43	7.77	-21.73	7.40	-21.36	3.28
1	63	3	1.56	-249.45	1.07	-248.96	11.14	10.16	-22.54	10.06	-22.44	1.77
1	63	4	83.61	21.26	65.18	39.69	28.45	61.74	-1.07	61.63	-0.96	2.64
1	63	5	86.83	11.36	11.81	86.37	-5.85	110.42	14.22	110.21	14.44	4.53
1	63	10	85.00	21.34	74.93	31.41	23.23	60.29	-12.18	59.72	-11.62	6.36

1	63	11	81.57	52.20	70.56	63.20	-14.22	69.82	-10.71	69.73	-10.62	2.62
1	63	12	70.36	-2.21	64.60	3.55	-19.62	44.07	-24.33	44.07	-24.33	0.29
1	63	13	56.14	34.75	55.53	35.36	-3.55	62.81	-22.51	62.80	-22.50	0.74
1	63	14	75.33	-1.82	64.19	9.32	-27.12	49.77	-18.39	49.57	-18.19	-3.69
1	63	15	58.55	32.44	58.53	32.47	-0.78	55.65	-18.55	55.59	-18.49	-2.07
1	63	17	81.71	3.78	68.47	17.01	-29.27	56.79	-9.92	55.94	-9.06	-7.50
1	63	22	59.39	32.03	57.58	33.83	6.79	61.57	-9.19	61.38	-9.00	-3.69
1	63	23	78.24	17.11	64.72	30.63	-25.37	57.73	-0.30	57.48	-5.03e-02	-3.81
1	63	28	51.67	11.63	12.42	50.88	5.56	97.83	14.07	97.28	14.62	-6.78
1	63	29	53.29	-106.43	43.75	-96.90	-37.84	-4.61	-32.09	-5.58	-31.12	-5.07
1	63	30	71.31	-103.33	44.07	-76.10	-63.36	1.61	-25.21	-1.95e-02	-23.58	-6.41
1	63	31	90.43	-101.37	43.58	-54.51	-82.41	5.12	-19.32	1.36	-15.57	-8.81
1	63	32	113.47	-105.67	43.86	-36.06	-102.02	2.93	-17.53	-7.30	-7.30	-10.23
1	63	33	25.99	-170.86	16.76	-161.63	-41.62	-5.71	-28.82	-6.33	-28.20	-3.73
1	63	34	43.99	-160.39	20.38	-136.79	-65.32	-3.91	-25.17	-6.16	-22.92	-6.54
1	63	35	66.23	-148.11	20.53	-102.40	-87.79	-2.20	-19.96	-5.43	-16.72	-6.85
1	63	36	88.74	-134.56	16.03	-61.85	-104.64	2.65	-14.04	-2.45	-8.94	-7.69
1	63	37	2.31	-242.77	0.80	-241.26	-19.19	9.91	-21.78	9.59	-21.46	-3.19
1	63	38	5.72	-209.12	1.47	-204.87	-29.92	7.14	-19.58	6.27	-18.71	-4.75
1	63	39	10.33	-164.71	0.69	-155.06	-39.94	6.12	-16.03	4.23	-14.14	-6.19
1	63	40	23.46	-110.22	2.43	-89.19	-48.67	7.01	-7.61	3.26	-3.85	-6.39
1	63	41	77.21	10.97	71.43	16.76	18.70	52.80	-20.31	52.73	-20.24	2.24
1	63	42	39.60	5.96	11.77	33.79	12.71	5.31	-0.74	1.11	3.47	-2.79
1	63	43	-5.89	-35.08	-13.38	-27.58	12.75	14.73	-7.05	1.23	6.45	10.57
1	63	44	-6.33	-343.67	-6.33	-343.67	-0.92	-1.96	-24.12	-1.97	-24.11	-0.49
1	63	45	-1.52	-165.28	-2.16	-164.64	10.20	-0.36	-16.60	-1.34	-15.62	3.88
1	63	46	-5.92	-225.17	-5.92	-225.17	0.37	2.38	-17.54	0.97	-16.13	5.11
1	63	47	69.26	43.01	66.81	45.46	-7.64	60.41	-20.37	60.41	-20.37	-6.32e-02
1	63	48	72.36	5.23	71.41	6.19	7.96	47.18	-25.86	47.13	-25.81	-1.86
1	63	49	63.02	37.72	61.26	39.48	-6.44	63.74	-25.10	63.60	-24.97	-3.41
1	63	50	132.18	-107.90	53.89	-29.61	112.54	1.25	-18.77	-7.25	-10.26	9.90
1	63	52	94.61	-93.03	50.69	-49.11	79.45	4.54	-22.03	1.49	-18.98	8.47
1	63	53	70.68	-96.64	50.25	-76.22	54.78	0.54	-27.70	-0.89	-26.27	6.19
1	63	54	53.11	-103.18	49.29	-99.36	24.11	-6.09	-34.13	-6.85	-33.37	4.57
1	63	62	101.44	-110.86	51.78	-61.20	89.88	7.84	-21.83	7.53	-21.53	2.98
1	63	63	157.74	-131.44	48.24	-21.94	140.27	8.09	-11.04	-1.50	-1.45	9.57
1	63	64	143.24	-149.35	2.43	-8.54	146.19	2.59	-9.11	-3.89	-2.62	-5.81
1	63	65	64.57	-134.09	30.73	-100.25	74.68	189.12	25.01	175.38	38.74	45.45
1	63	71	329.65	160.68	266.39	223.94	-81.78	110.20	-14.18	92.13	3.90	-43.84
1	63	72	68.97	30.23	67.97	31.24	-6.16	66.70	-21.18	66.67	-21.16	-1.42
1	63	73	312.06	143.73	240.85	214.94	83.16	91.56	-19.15	74.63	-2.22	39.84
1	63	74	30.70	-163.83	4.05	-137.19	-66.89	174.73	22.01	157.26	39.49	-48.61
1	63	75	117.69	-132.39	-5.85	-8.85	-125.03	1.96	-8.43	-4.18	-2.29	5.11
1	63	76	127.87	-118.66	32.83	-23.62	-119.99	7.15	-8.14	-0.22	-0.78	-7.64
1	63	77	77.01	-107.06	39.81	-69.86	-73.91	-1.24	-18.05	-4.05	-15.25	-6.26
1	63	78	103.90	-137.28	23.69	-57.08	113.63	-2.10	-18.90	-7.46	-13.54	7.83
1	63	79	66.69	-142.17	24.72	-100.19	83.70	-7.41	-23.96	-10.21	-21.15	6.21
1	63	80	-7.24	-251.29	-7.31	-251.22	-4.14	14.87	-22.47	14.85	-22.45	-0.87
1	63	81	15.65	-169.98	15.30	-169.63	-8.05	-5.62	-31.10	-5.64	-31.08	-0.74
1	63	82	46.88	-103.55	46.39	-103.07	-8.53	-4.24	-39.51	-4.25	-39.51	-0.40
1	63	83	65.39	7.44	64.51	8.33	-7.09	61.43	-26.98	61.42	-26.97	-1.06
1	63	88	40.01	-155.50	23.03	-138.51	55.06	-6.86	-27.52	-8.56	-25.81	5.68
1	63	95	23.92	-167.71	19.87	-163.65	27.58	-6.73	-30.03	-7.02	-29.74	2.57
1	63	97	-2.81	-277.69	-2.82	-277.69	-0.91	1.32	-18.53	0.82	-18.03	3.12
1	63	98	-4.49	-309.91	-4.49	-309.90	-0.71	0.81	-24.59	0.68	-24.45	1.84
1	63	99	-3.15	-288.47	-3.16	-288.46	-0.90	0.80	-23.67	0.53	-23.40	-2.55
1	63	100	-2.67	-252.88	-2.70	-252.85	-2.56	1.14	-18.31	0.68	-17.86	-2.93
1	63	101	-4.59	-195.13	-4.69	-195.03	-4.34	1.85	-15.53	0.96	-14.64	-3.83
1	63	102	-2.27	-140.20	-3.27	-139.20	-11.68	-8.59e-02	-10.69	-1.66	-9.11	-3.77
1	63	105	19.69	-120.81	0.12	-101.23	48.65	21.31	-4.55	18.46	-1.70	8.09
1	63	107	6.49	-175.47	-8.39e-02	-168.90	33.97	12.71	-17.31	10.78	-15.38	7.37
1	63	111	3.64	-221.02	1.54	-218.91	21.63	8.51	-20.98	7.87	-20.33	4.31
1	64	3	0.12	-158.01	3.24e-02	-157.92	3.76	9.74	-23.65	9.70	-23.61	1.20
1	64	4	62.56	-3.97	46.14	12.45	-28.68	38.24	-5.18	38.21	-5.15	-1.22
1	64	5	59.48	-23.12	5.53	30.83	-39.31	76.58	8.90	76.37	9.11	3.75
1	64	10	43.21	-22.32	41.68	-20.79	-9.90	40.96	-14.67	40.52	-14.23	4.93
1	64	11	44.94	-38.32	30.40	-23.78	-31.62	43.29	-14.00	43.27	-13.98	1.05
1	64	12	47.35	-76.80	45.37	-74.82	15.54	33.60	-25.47	33.59	-25.46	-0.65
1	64	13	40.08	-72.44	36.24	-68.60	20.43	48.11	-24.77	48.07	-24.73	1.70
1	64	14	51.42	-55.67	49.01	-53.26	15.88	39.77	-19.26	39.64	-19.13	-2.80
1	64	15	48.46	-55.74	41.02	-48.31	26.82	43.55	-19.85	43.54	-19.84	-0.90
1	64	17	56.45	-31.28	51.94	-26.77	19.37	46.79	-10.68	46.20	-10.09	-5.78
1	64	22	59.82	-36.81	41.85	-18.84	37.59	50.55	-10.33	50.48	-10.26	-2.06
1	64	23	72.70	-13.67	56.62	2.41	33.62	47.20	-1.73	47.20	-1.73	0.16
1	64	28	69.96	-32.59	8.57	28.80	50.27	85.81	12.54	85.53	12.82	-4.53
1	64	29	32.05	-123.05	31.11	-122.12	12.03	-8.19	-31.78	-8.93	-31.04	-4.11
1	64	30	34.58	-102.75	34.58	-102.75	0.59	-3.05	-25.38	-4.31	-24.11	-5.16

1	64	31	36.34	-81.31	35.48	-80.46	-9.99	-0.14	-19.59	-2.99	-16.74	-6.88
1	64	32	41.03	-66.53	35.74	-61.24	-23.27	-0.95	-18.10	-10.88	-8.18	-8.47
1	64	33	10.61	-143.56	10.40	-143.35	5.73	-6.76	-29.19	-7.19	-28.75	-3.09
1	64	34	16.41	-124.26	16.27	-124.12	-4.47	-5.12	-24.83	-6.66	-23.29	-5.29
1	64	35	20.52	-99.11	17.24	-95.84	-19.51	-3.05	-19.13	-5.30	-16.88	-5.58
1	64	36	23.76	-71.43	12.84	-60.51	-30.33	1.81	-12.55	-1.85	-8.89	-6.26
1	64	37	1.28	-169.97	1.17	-169.86	4.44	9.31	-22.91	9.09	-22.69	-2.66
1	64	38	2.25	-149.13	2.25	-149.13	-9.00e-02	6.49	-20.16	5.88	-19.56	-3.97
1	64	39	2.55	-120.19	2.15	-119.80	-6.99	5.21	-15.85	4.02	-14.66	-4.86
1	64	40	3.18	-77.49	1.29	-75.60	-12.21	5.66	-6.53	3.09	-3.95	-4.98
1	64	41	41.21	-49.13	40.88	-48.80	-5.43	36.56	-22.39	36.43	-22.26	2.68
1	64	42	62.30	10.10	22.13	50.27	21.99	5.15	1.35	2.57	3.93	-1.78
1	64	43	55.48	16.85	33.54	38.79	-19.14	14.48	-4.88	2.75	6.85	9.46
1	64	44	1.97	-196.99	1.96	-196.99	0.35	-2.90	-25.99	-2.91	-25.98	-0.48
1	64	45	-0.41	-76.60	-0.96	-76.05	-6.41	-0.58	-16.10	-1.05	-15.63	2.66
1	64	46	2.45	-96.46	2.41	-96.41	-2.15	1.30	-17.69	0.53	-16.92	3.76
1	64	47	37.96	-55.74	31.75	-49.53	-23.31	37.96	-22.90	37.93	-22.87	1.32
1	64	48	38.83	-72.49	38.78	-72.44	-2.23	32.78	-27.62	32.78	-27.62	5.06e-02
1	64	49	31.35	-71.66	29.16	-69.47	-14.88	41.98	-28.09	41.95	-28.06	-1.40
1	64	50	38.17	-43.83	29.49	-35.16	25.22	-3.53	-20.54	-12.40	-11.67	8.49
1	64	52	34.91	-68.37	28.64	-62.11	24.65	-1.99	-23.23	-4.40	-20.81	6.75
1	64	53	31.10	-94.74	28.36	-91.99	18.38	-5.24	-28.62	-6.26	-27.60	4.77
1	64	54	26.59	-117.65	25.79	-116.85	10.72	-10.17	-34.19	-10.68	-33.67	3.48
1	64	62	70.22	-25.89	61.07	-16.75	28.20	8.36	-21.34	8.26	-21.25	1.70
1	64	63	52.94	-26.71	25.35	0.88	37.90	6.48	-10.03	-1.87	-1.69	8.25
1	64	64	27.14	-47.72	-12.56	-8.02	37.36	2.74	-10.42	-4.81	-2.87	-6.51
1	64	65	-42.48	-127.54	-42.52	-127.50	1.93	147.47	17.23	134.29	30.41	39.28
1	64	71	271.73	20.90	130.88	161.76	-124.46	46.77	-45.50	12.13	-10.86	-44.69
1	64	72	42.57	-87.93	42.43	-87.79	4.28	36.29	-26.23	36.29	-26.23	0.17
1	64	73	325.00	44.21	171.23	197.99	139.76	69.95	-32.37	45.61	-8.03	43.57
1	64	74	-32.13	-167.82	-32.13	-167.81	-0.54	157.49	21.27	142.54	36.22	-42.58
1	64	75	21.39	-69.40	-12.24	-35.76	-43.85	3.06	-9.76	-4.51	-2.19	6.30
1	64	76	39.77	-61.29	15.77	-37.29	-43.00	5.43	-6.62	-0.30	-0.88	-6.02
1	64	77	46.08	-77.60	34.94	-66.45	-35.41	-1.31	-16.63	-3.12	-14.83	-4.93
1	64	78	24.15	-52.45	7.71	-36.01	31.45	-2.53	-17.52	-6.57	-13.48	6.65
1	64	79	24.32	-87.53	13.92	-77.13	32.48	-7.86	-23.13	-9.71	-21.28	4.98
1	64	80	-6.02	-170.47	-6.13	-170.36	4.31	13.99	-23.94	13.97	-23.92	-0.88
1	64	81	5.82	-145.53	4.92	-144.62	11.67	-7.06	-31.76	-7.09	-31.73	-0.84
1	64	82	27.02	-125.10	25.92	-124.00	12.89	-6.11	-38.82	-6.12	-38.81	-0.44
1	64	83	39.62	-78.72	39.01	-78.12	8.43	45.32	-29.00	45.31	-29.00	-0.68
1	64	88	16.31	-114.48	12.64	-110.82	21.60	-7.62	-27.20	-8.64	-26.18	4.34
1	64	95	7.95	-138.40	6.36	-136.82	15.15	-7.67	-30.39	-7.79	-30.27	1.63
1	64	97	1.59	-135.69	1.55	-135.66	-2.22	0.76	-19.40	0.48	-19.12	2.35
1	64	98	4.58	-151.77	4.48	-151.67	-3.93	1.02	-25.76	0.95	-25.69	1.32
1	64	99	3.39	-177.11	3.20	-176.92	5.78	0.96	-24.84	0.80	-24.67	-2.04
1	64	100	0.61	-170.16	0.45	-170.00	5.31	0.56	-19.24	0.33	-19.00	-2.15
1	64	101	-0.94	-138.59	-1.05	-138.49	3.80	0.82	-15.80	0.43	-15.42	-2.50
1	64	102	-2.89	-110.65	-2.96	-110.58	-2.85	-0.50	-9.92	-1.33	-9.09	-2.67
1	64	105	-8.18	-49.15	-8.62	-48.70	4.23	20.33	-3.81	18.31	-1.80	6.68
1	64	107	1.15	-93.54	-0.22	-92.17	11.29	12.10	-17.15	10.80	-15.84	6.03
1	64	111	1.53	-126.74	1.12	-126.34	7.18	7.93	-21.54	7.50	-21.11	3.53

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	351.78	-391.49	-80.02	-391.48	-150.25	202.66	-71.98	-63.06	-46.04	-50.33
			311.27	242.69	182.27			188.65	41.41	47.53





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

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2020-12-191)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE ( Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	e-TIME (build 2020-12-191)

Descrizione	
Progetto	
Ubicazione	Comune di CETO (BS) (Regione LOMBARDIA)
	Località CETO (BS)
	Longitudine 10.352, Latitudine 46.002
Progettista	Bottanelli Ing. Guido

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” - versione Agosto 2020, disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>

# INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto
<u>S.P. N. 88 "Ceto Cimbergo Paspardo"</u> <u>Manutenzione straordinaria del ponte al km 3+622 in comune di Ceto</u> <u>Codice ponte: BSSP088 P003</u>

Contenuti della relazione:

## RELAZIONE DI CALCOLO STRUTTURALE

- *Origine e Caratteristiche dei Codici di Calcolo*
- *Affidabilità dei codici utilizzati*
- *Validazione dei codici*
- *Tipo di analisi svolta*
- *Modalità di presentazione dei risultati*
- *Informazioni generali sull'elaborazione*
- *Giudizio motivato di accettabilità dei risultati*

## STAMPA DEI DATI DI INGRESSO

- *Normative prese a riferimento*
- *Criteri adottati per le misure di sicurezza*
- *Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconnessioni*
- *Interazione tra terreno e struttura*
- *Legami costitutivi adottati per la modellazione dei materiali e dei terreni*
- *Schematizzazione delle azioni, condizioni e combinazioni di carico*
- *Metodologie numeriche utilizzate per l'analisi strutturale*
- *Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali*

## STAMPA DEI RISULTATI

Il Progettista:

29 gennaio 2022

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# RELAZIONE DI CALCOLO STRUTTURALE

## Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

## Descrizione generale dell'opera

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di CETO (BS) (Regione LOMBARDIA)
	Località CETO (BS)
	Longitudine 10.352, Latitudine 46.002
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	
Struttura regolare in altezza	
Classe di duttilità	
Travi: ricalate o in spessore	
Pilastrì	
Pilastrì in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

## Fattore di struttura/comportamento

Q=1,5

## Quadro normativo di riferimento adottato

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

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

### Progetto-verifica degli elementi

Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
<b>Azione sismica</b>	
Norma applicata per l’ azione sismica	D.M. 17-01-2018

## Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

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

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

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

$\mathbf{K} \cdot \mathbf{u} = \mathbf{F}$  dove  $\mathbf{K}$  = matrice di rigidezza  
 $\mathbf{u}$  = vettore spostamenti nodali  
 $\mathbf{F}$  = vettore forze nodali

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

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

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

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

Elemento tipo <b>BEAM</b>	(trave-D2)
Elemento tipo <b>MEMBRANE</b>	(membrana-D3)
Elemento tipo <b>PLATE</b>	(piastra-guscio-D3)
Elemento tipo <b>BOUNDARY</b>	(molla)
Elemento tipo <b>STIFFNESS</b>	(matrice di rigidezza)
Elemento tipo <b>BRICK</b>	(elemento solido)
Elemento tipo <b>SOLAIO</b>	(macro elemento composto da più membrane)

## Modello numerico

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

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2020-12-191)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	***** COMPLETARE *****
Codice Utente:	***** COMPLETARE *****
Codice Licenza:	Licenza non individuata

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	261
elementi D2 (per aste, travi, pilastri...)	295
elementi D3 (per pareti, platee, gusci...)	152
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-1581.46
Xmax =	220.35
Ymin =	-1548.82
Ymax =	1693.39
Zmin =	0.00
Zmax =	100.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO



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

## Modellazione delle azioni

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

## Combinazioni e/o percorsi di carico

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

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

Principali risultati
<p>I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.</p> <p>Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:</p> <p>per l'analisi modale:</p> <ul style="list-style-type: none"> <li>periodi dei modi di vibrare della struttura</li> </ul>

- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

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

altri risultati significativi:

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

### Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

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

## Verifiche agli stati limite ultimi

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

## Verifiche agli stati limite di esercizio

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

## RELAZIONE SUI MATERIALI

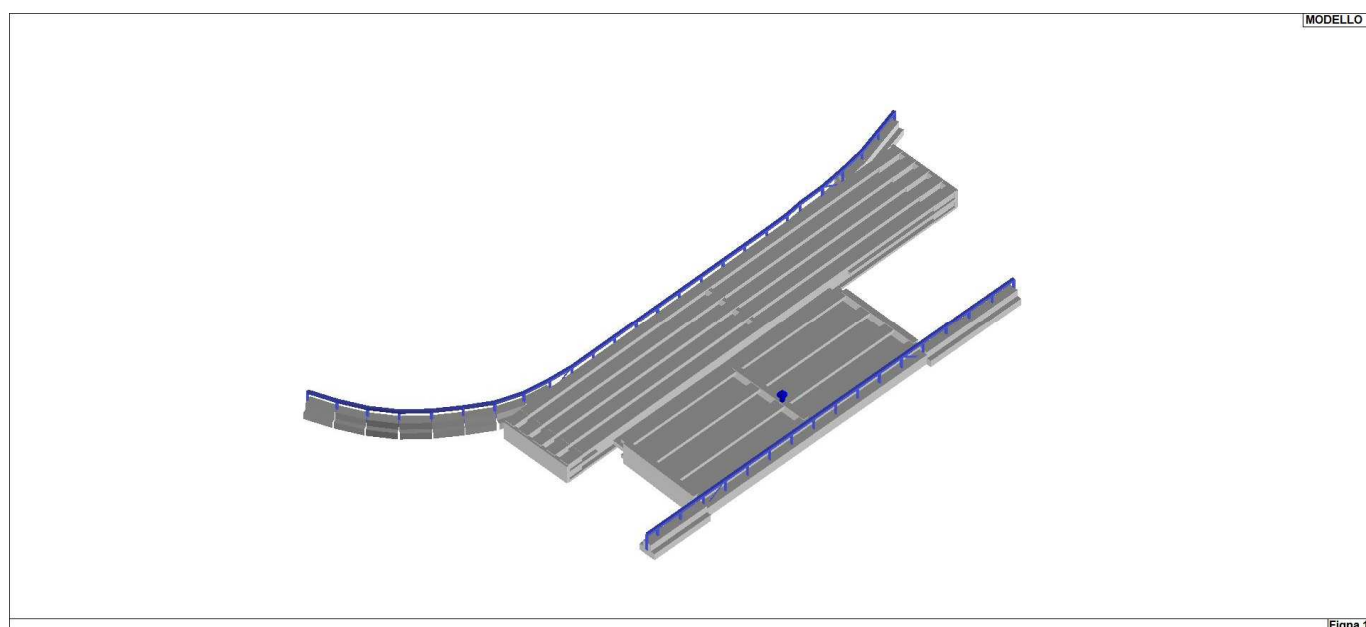
Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

## NORMATIVA DI RIFERIMENTO

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

31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

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



01\_INT\_VISTA\_SOLIDA\_001

Figura 1

# CARATTERISTICHE MATERIALI UTILIZZATI

## LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	c.a.	Resistenza Rc	resistenza a compressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
	a		

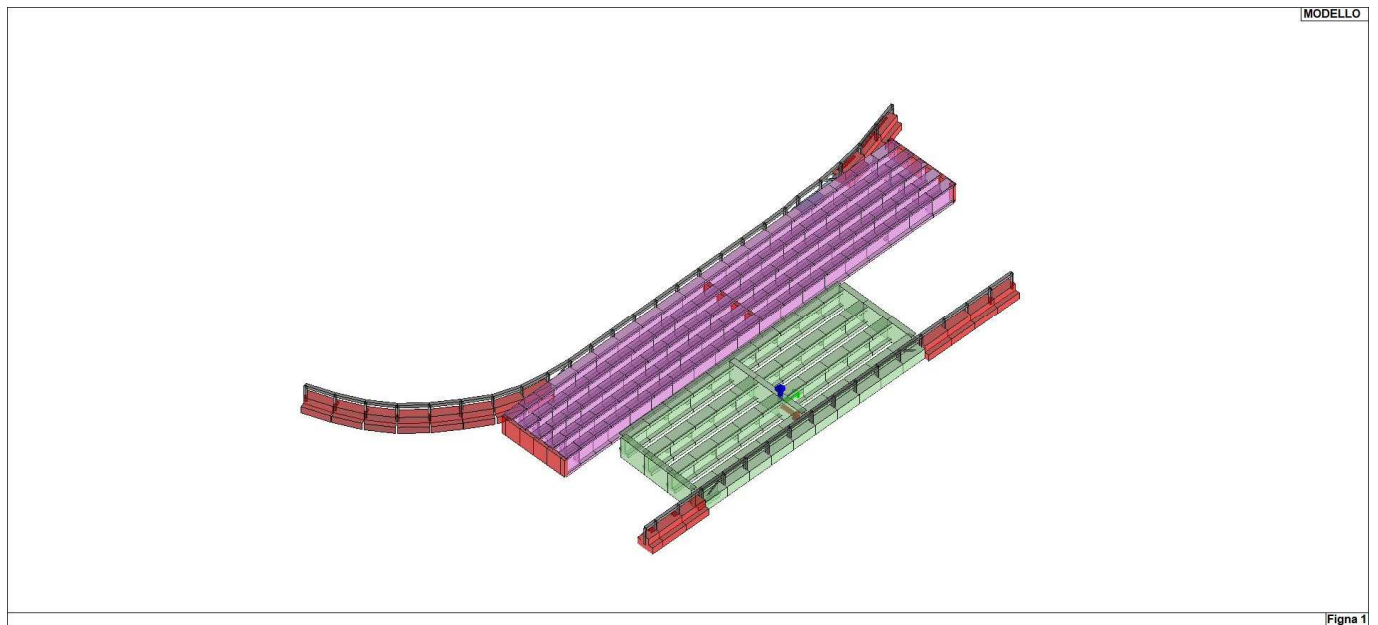
	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
	Incremento resistenza	Incremento conseguito in termini di resistenza
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza fvlm	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

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

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		N/mm2	N/mm2	N/mm2		N/mm2	N/mm3		
1	Calcestruzzo Classe C25/30			3.145e+04	0.20	1.310e+04	2.50e-05	1.00e-05	
	Resistenza Rc	30.0							
	Resistenza fctm		2.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
4	Calcestruzzo Classe C30/37			3.302e+04	0.20	1.376e+04	2.50e-05	1.00e-05	
	Resistenza Rc	37.0							
	Resistenza fctm		2.9						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
5	Calcestruzzo Classe C32/40			3.360e+04	0.20	1.400e+04	2.50e-05	1.00e-05	
	Resistenza Rc	40.0							
	Resistenza fctm		3.1						

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
7	Calcestruzzo Classe C40/50			3.550e+04	0.20	1.479e+04	2.50e-05	1.00e-05	
	Resistenza Rc	50.0							
	Resistenza fctm		3.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
12	Acciaio Fe430 - S275-acciaio Fe430-S275			2.100e+05	0.30	8.077e+04	7.85e-05	1.20e-05	
	Tensione ft	430.0							
	Resistenza fd	275.0							
	Resistenza fd (>40)	250.0							
	Tensione ammissibile	190.0							
	Tensione ammissibile (>40)	170.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11\_MOD\_MATERIALI\_D2

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



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

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Armatura</b>						
Inclinazione Ax [ gradi ]	0.0					
Angolo Ax-Ay [ gradi ]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [ cm ]	2.00					
<b>Maglia x</b>						
diametro	10					
passo	20					
diametro aggiuntivi	12					
<b>Maglia y</b>						
diametro	10					
passo	20					
diametro aggiuntivi	12					
<b>Stati limite ultimi</b>						
Tensione fy [ N/mm2 ]	450.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	NO					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [ N/mm2 ]	9.75					
Tensione amm. acciaio [ N/mm2 ]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Resistenza al fuoco</b>						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetta a filo	NO					
Af inf: da $q \cdot L \cdot L /$	0.0					
<b>Armatura</b>						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	SI					
Usa armatura teorica	NO					
<b>Stati limite ultimi</b>						
Tensione fy [ N/mm2 ]	450.00					
Tensione fy staffe [ N/mm2 ]	450.00					

<b>Travi c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Fattore di ridistribuzione	0.0					
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [ N/mm2 ]	9.75					
Tensione amm. acciaio [ N/mm2 ]	260.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Staffe</b>						
Diametro staffe	0.0					
Passo minimo [ cm ]	4.00					
Passo massimo [ cm ]	30.00					
Passo raffittito [ cm ]	15.00					
Lunghezza zona raffittita [ cm ]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [ cm ]	1.00					
Adotta scorrimento medio	NO					
Torsione non essenziale inclusa	SI					

# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

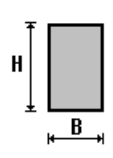
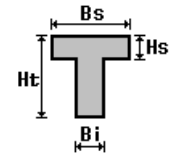
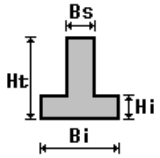
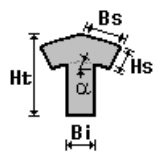
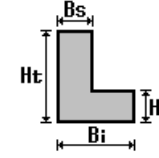
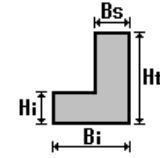
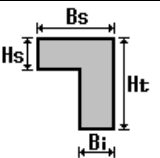
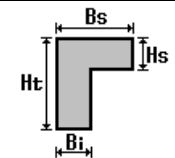
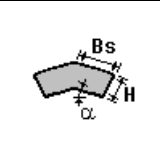
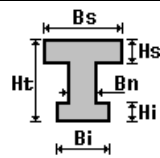
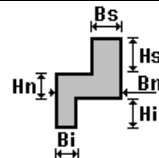
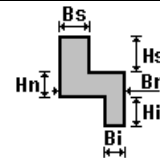
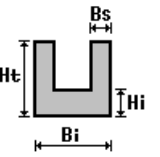
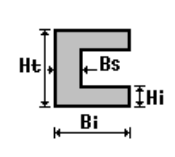
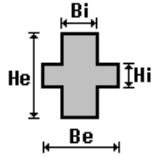
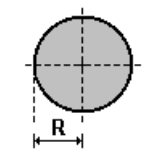
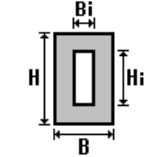
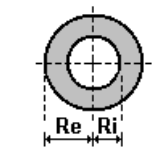
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	TRAVE RDB 90 CAMP-Doppio T: bi=55 ba=15 bs=55 ht=120 hi=15 hs=10	2800.00	0.0	0.0	1.918e+05	3.733e+05	5.006e+06	1.358e+04	7.897e+04	2.425e+04	1.068e+05
2	TRAVE RDB 90 APP-Doppio T: bi=55 ba=35 bs=55 ht=120 hi=15 hs=10	4700.00	0.0	0.0	1.467e+06	6.860e+05	6.474e+06	2.495e+04	1.061e+05	4.800e+04	1.527e+05
3	TRAVE NUOVA-Doppio T: bi=60 ba=20 bs=60 ht=120 hi=20 hs=20	4000.00	0.0	0.0	5.392e+05	7.733e+05	6.933e+06	2.578e+04	1.156e+05	4.400e+04	1.520e+05
4	CORDOLO MONTE- Rettangolare: b=50 h=60	3000.00	2500.00	2500.00	1.246e+06	6.250e+05	9.000e+05	2.500e+04	3.000e+04	3.750e+04	4.500e+04
5	CORDOLO VALLE- Rettangolare: b=50 h=35	1750.00	1458.33	1458.33	4.059e+05	3.646e+05	1.786e+05	1.458e+04	1.021e+04	2.188e+04	1.531e+04
6	T rovescia: bi=100 ht=80 bs=50 hi=40	6000.00	0.0	0.0	3.617e+06	3.750e+06	2.933e+06	7.500e+04	6.286e+04	1.250e+05	1.100e+05
7	TRAVERSO ESISTENTE- Rettangolare: b=20 h=109	2180.00	1816.67	1816.67	2.571e+05	7.267e+04	2.158e+06	7266.67	3.960e+04	1.090e+04	5.940e+04
8	TRAVERSO Nuovo- Rettangolare: b=32.5 h=130	4225.00	3520.83	3520.83	1.253e+06	3.719e+05	5.950e+06	2.289e+04	9.154e+04	3.433e+04	1.373e+05
9	ASTA FITTIZIA-Circolare: r=10	314.16	265.07	265.07	1.571e+04	7853.98	7853.98	785.40	785.40	1333.33	1333.33
10	Rettangolare cava: b=7 h=14 bi=5.6 hi=12.6	27.44	0.0	0.0	501.48	215.77	667.16	61.65	95.31	72.72	120.74
11	Rettangolare: b=1 h=10	10.00	8.33	8.33	3.12	0.83	83.33	1.67	16.67	2.50	25.00
13	T.QU 150x3	17.96	0.0	0.0	952.96	636.00	636.00	84.70	84.70	97.25	97.25

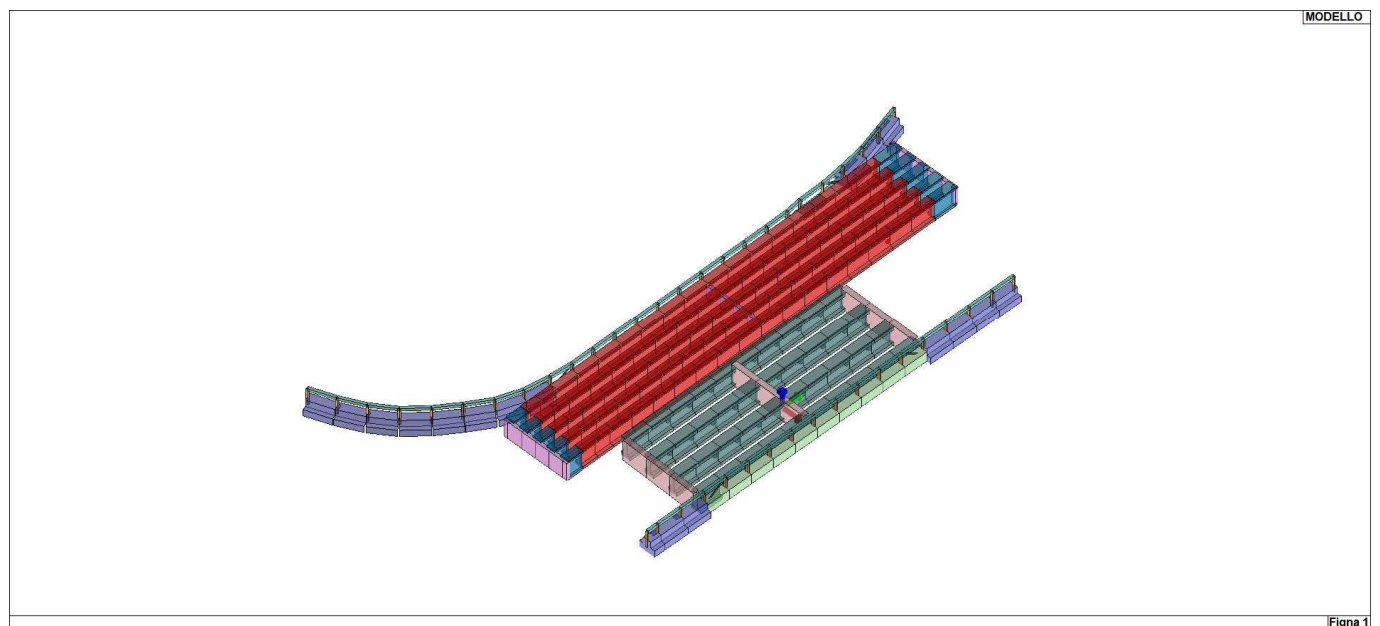


Figura 1

# 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:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	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:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z
<b>Note</b>	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).
<b>Note</b>	(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
<b>Rig. TX</b>	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
15	204.3	-724.2	0.0	16	-824.7	-562.8	100.0	17	215.7	714.2	0.0
22	-437.2	721.9	0.0	23	-437.2	3.5	0.0	24	-320.0	2.5	0.0
25	-160.0	1.3	0.0	26	0.0	0.0	0.0	27	160.0	-1.3	0.0
28	-797.2	290.8	0.0	29	-707.2	290.8	0.0	30	-617.2	290.8	0.0
31	-527.2	290.8	0.0	32	-437.2	290.8	0.0	33	-527.2	861.8	0.0
34	-437.2	861.8	0.0	35	-855.0	1255.0	0.0	36	-876.1	1403.5	0.0
37	-953.4	1693.4	0.0	38	-837.4	-694.2	0.0	39	-861.3	-842.3	0.0
40	-913.2	-983.0	0.0	41	-994.6	-1109.0	0.0	42	-1083.5	-1229.8	0.0
43	-1186.0	-1339.4	0.0	44	-1307.7	-1427.0	0.0	45	-1441.5	-1494.9	0.0
46	-1581.5	-1548.8	0.0	47	201.4	-1092.9	0.0	48	220.3	1307.0	0.0
49	-437.2	-704.4	0.0	50	-824.7	-421.3	100.0	51	-527.2	-902.4	0.0
52	206.6	-435.2	100.0	53	-837.4	1561.2	0.0	54	-527.2	1141.5	0.0
55	-707.2	-704.4	0.0	56	-409.7	1561.2	0.0	57	211.1	141.5	100.0
58	212.3	284.7	100.0	59	213.4	427.8	100.0	60	-527.2	1281.4	0.0
61	-617.2	1281.4	0.0	62	-707.2	1281.4	0.0	63	-797.2	1281.4	0.0
64	-527.2	1421.3	0.0	65	-617.2	1421.3	0.0	66	-707.2	1421.3	0.0
67	-797.2	1421.3	0.0	68	-826.8	861.8	0.0	69	-828.9	1001.6	0.0
70	-831.1	1141.5	0.0	71	-833.2	1281.4	0.0	72	210.0	-1.7	0.0
73	-835.3	1421.3	0.0	74	-527.2	3.5	0.0	75	-527.2	147.1	0.0
76	-617.2	3.5	0.0	77	-617.2	147.1	0.0	78	-707.2	3.5	0.0

79	-707.2	147.1	0.0	80	-797.2	147.1	0.0	81	-824.7	147.1	0.0
82	-527.2	-704.4	0.0	83	-527.2	-562.8	0.0	84	214.5	571.0	100.0
85	-617.2	-562.8	0.0	86	216.8	864.2	100.0	87	-707.2	-562.8	0.0
88	-797.2	-562.8	0.0	89	-839.8	1105.8	0.0	90	-837.4	955.8	0.0
91	-527.2	-421.3	0.0	92	-617.2	-421.3	0.0	93	-707.2	-421.3	0.0
94	-797.2	-421.3	0.0	95	-527.2	-279.7	0.0	96	-617.2	-279.7	0.0
97	-707.2	-279.7	0.0	98	-797.2	-279.7	0.0	99	-527.2	-138.1	0.0
100	-617.2	-138.1	0.0	101	-707.2	-138.1	0.0	102	-797.2	-138.1	0.0
103	-824.7	-562.8	0.0	104	-824.7	-421.3	0.0	105	-824.7	-279.7	0.0
106	-824.7	290.8	0.0	107	-409.7	721.6	0.0	108	-824.7	-1001.4	0.0
109	-824.7	-138.1	0.0	110	-409.7	-1001.4	0.0	111	-409.7	-705.3	0.0
112	218.0	1014.2	100.0	113	-617.2	-704.4	0.0	114	-404.1	5.1	0.0
115	155.4	-578.4	0.0	116	205.4	-579.7	0.0	117	156.6	-434.1	0.0
118	206.6	-435.2	0.0	119	157.7	-289.8	0.0	120	207.7	-290.7	0.0
121	158.9	-145.5	0.0	122	208.9	-146.2	0.0	123	-4.5	-574.2	0.0
124	-3.4	-430.6	0.0	125	-2.3	-287.1	0.0	126	-1.1	-143.5	0.0
127	-164.5	-570.0	0.0	128	-163.4	-427.2	0.0	129	-162.3	-284.4	0.0
130	-161.1	-141.5	0.0	131	-324.5	-565.8	0.0	132	-323.4	-423.7	0.0
133	-322.2	-281.6	0.0	134	-321.1	-139.5	0.0	135	-408.6	-563.2	0.0
136	-407.5	-421.1	0.0	137	-406.3	-279.0	0.0	138	-405.2	-136.9	0.0
139	-437.2	-562.8	0.0	140	-437.2	-421.3	0.0	141	-437.2	-279.7	0.0
142	-437.2	-138.1	0.0	143	161.1	141.9	0.0	144	211.1	141.5	0.0
145	162.3	285.1	0.0	146	212.3	284.7	0.0	147	163.4	428.3	0.0
148	213.4	427.8	0.0	149	164.5	571.6	0.0	150	214.5	571.0	0.0
151	1.1	143.3	0.0	152	2.3	286.7	0.0	153	3.4	430.0	0.0
154	4.5	573.3	0.0	155	-158.9	144.7	0.0	156	-157.7	288.2	0.0
157	-156.6	431.6	0.0	158	-155.5	575.1	0.0	159	-318.9	146.1	0.0
160	-317.7	289.7	0.0	161	-316.6	433.3	0.0	162	-315.4	576.9	0.0
163	-405.2	148.4	0.0	164	-406.3	291.7	0.0	165	-407.5	435.0	0.0
166	-408.6	578.3	0.0	167	-437.2	147.1	0.0	168	-617.2	-902.4	0.0
169	-437.2	434.5	0.0	170	-437.2	578.2	0.0	171	-707.2	-902.4	0.0
172	-797.2	-902.4	0.0	173	-527.2	-803.4	0.0	174	-617.2	-803.4	0.0
175	-707.2	-803.4	0.0	176	-797.2	-803.4	0.0	177	-824.7	-902.4	0.0
178	-824.7	-803.4	0.0	179	219.2	1164.2	100.0	180	203.1	-874.2	100.0
181	201.9	-1024.2	100.0	182	-914.8	1548.5	100.0	183	-824.7	721.9	100.0
184	-824.7	578.2	100.0	185	-824.7	434.5	100.0	186	-824.7	3.5	100.0
187	-826.8	861.8	100.0	188	-824.7	-138.1	100.0	189	-824.7	147.1	100.0
190	-617.2	1141.5	0.0	191	-707.2	1141.5	0.0	192	207.7	-290.7	100.0
193	-527.2	1001.6	0.0	194	-617.2	1001.6	0.0	195	-707.2	1001.6	0.0
196	-797.2	1001.6	0.0	197	208.9	-146.2	100.0	198	204.3	-724.2	100.0
199	210.0	-1.7	100.0	200	215.7	714.2	100.0	201	-839.8	1105.8	100.0
202	-837.4	955.8	100.0	203	-855.0	1255.0	100.0	204	-876.1	1403.5	100.0
205	-953.4	1693.4	100.0	206	-837.4	-694.2	100.0	207	-861.3	-842.3	100.0
208	-913.2	-983.0	100.0	209	216.8	864.2	0.0	210	218.0	1014.2	0.0
211	219.2	1164.2	0.0	212	-994.6	-1109.0	100.0	213	-1083.5	-1229.8	100.0
214	-1186.0	-1339.4	100.0	215	203.1	-874.2	0.0	216	-1307.7	-1427.0	100.0
217	201.9	-1024.2	0.0	218	-1441.5	-1494.9	100.0	219	-914.8	1548.4	0.0
220	-1581.5	-1548.8	100.0	221	-437.2	1421.3	0.0	222	-409.7	1421.2	0.0
223	-437.2	1281.4	0.0	224	-409.7	1281.3	0.0	225	-437.2	1141.5	0.0
226	-409.7	1141.4	0.0	227	-437.2	1001.6	0.0	228	-409.7	1001.4	0.0
229	-797.2	1141.5	0.0	230	-409.7	861.5	0.0	231	-797.2	721.9	0.0
232	-707.2	721.9	0.0	233	-617.2	721.9	0.0	234	-527.2	721.9	0.0
235	-797.2	861.8	0.0	236	201.4	-1092.9	100.0	237	220.3	1307.0	100.0
238	-824.7	290.8	100.0	239	-824.7	-279.7	100.0	240	-824.7	721.9	0.0
241	-527.2	578.2	0.0	242	-527.2	434.5	0.0	243	-617.2	578.2	0.0
244	-617.2	434.5	0.0	245	-707.2	578.2	0.0	246	-707.2	434.5	0.0
247	-797.2	578.2	0.0	248	-797.2	434.5	0.0	249	-824.7	578.2	0.0
250	-824.7	434.5	0.0	251	-409.7	-804.0	0.0	252	-437.2	-803.4	0.0
253	-409.7	-902.7	0.0	254	-437.2	-902.4	0.0	255	-707.2	861.8	0.0
256	-617.2	861.8	0.0	257	-824.7	3.5	0.0	258	-824.7	-704.4	0.0
259	-797.2	3.5	0.0	260	-797.2	-704.4	0.0	261	205.4	-579.7	100.0

Nodo	X cm	Y cm	Z cm	Note	Rig. TX daN/cm	Rig. TY daN/cm	Rig. TZ daN/cm	Rig. RX daN cm/rad	Rig. RY daN cm/rad	Rig. RZ daN cm/rad
1	-797.2	-1001.4	0.0	v=111011						
2	-707.2	-1001.4	0.0	v=111001						
3	-617.2	-1001.4	0.0	v=111001						
4	-527.2	-1001.4	0.0	v=111001						
5	-437.2	-1001.4	0.0	v=111001						
6	-325.6	-707.9	0.0	v=111000						
7	-165.6	-712.8	0.0	v=111000						
8	-5.7	-717.7	0.0	v=111000						
9	154.3	-722.7	0.0	v=011000						
10	-797.2	1561.2	0.0	v=111000						
11	-707.2	1561.2	0.0	v=111000						
12	-617.2	1561.2	0.0	v=111000						

13	-527.2	1561.2	0.0	v=111001
14	-437.2	1561.2	0.0	v=111000
18	165.7	714.8	0.0	v=001000
19	5.7	716.7	0.0	v=101000
20	-154.3	718.5	0.0	v=001000
21	-314.3	720.4	0.0	v=001000

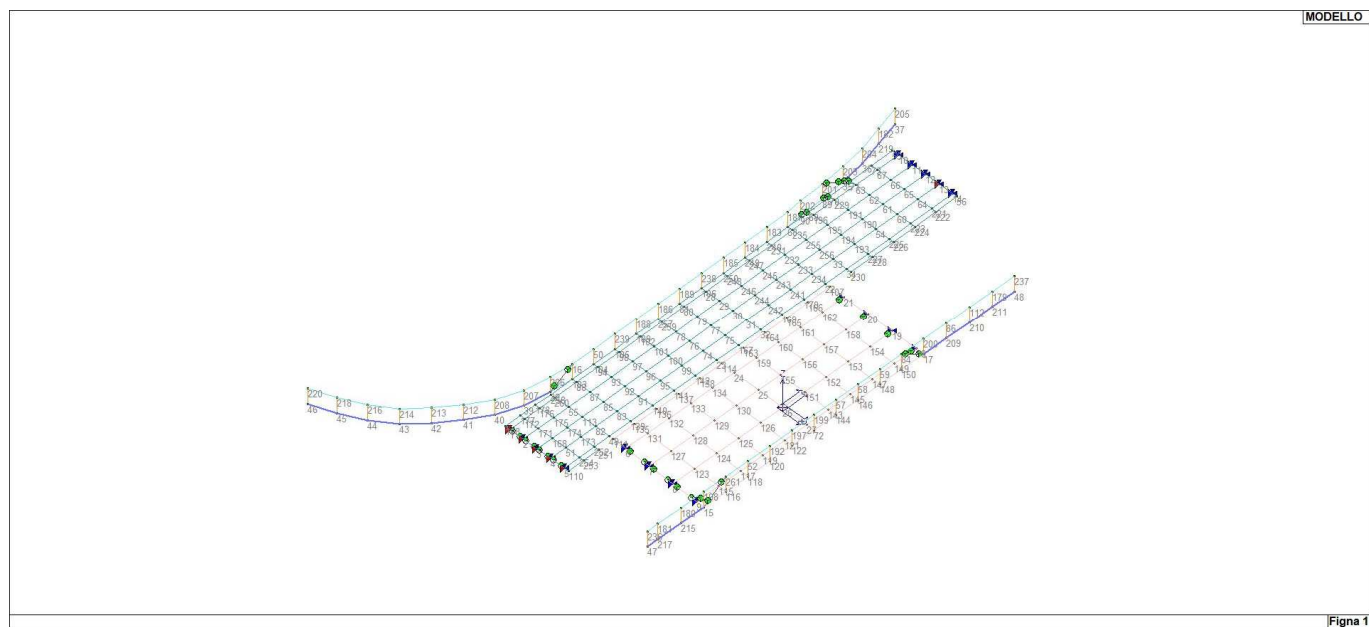


Figura 1

14\_MOD\_NUMERAZIONE\_NODI

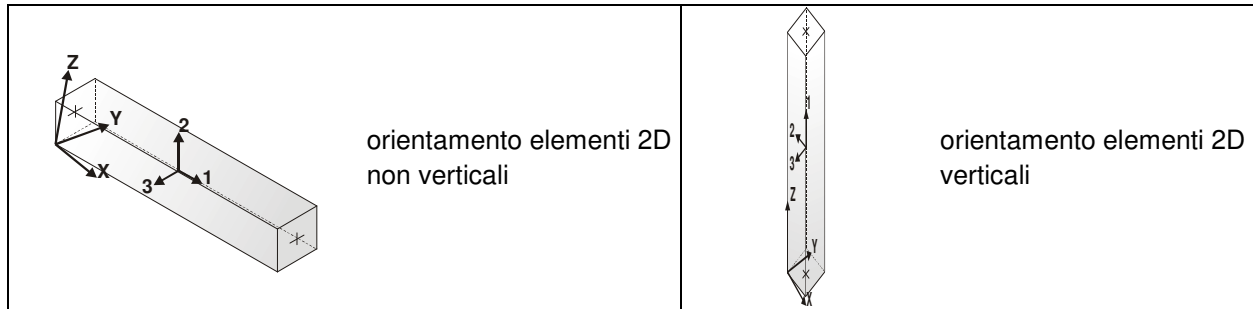
# MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

## TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
<b>Nodo I (J)</b>	numero del nodo iniziale (finale)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Sez.</b>	codice della sezione assegnata all'elemento
<b>Rotaz.</b>	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
<b>Svincolo I (J)</b>	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)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
<b>Wink O</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale



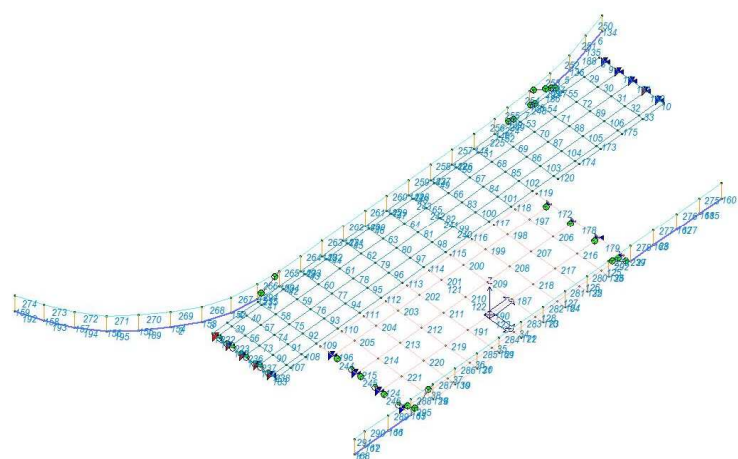
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	9	115	4	3	1		000111			
2	Trave f.	41	40	1	6	1				1.00	1.00
3	Trave f.	40	39	1	6	1				1.00	1.00
4	Trave f.	39	38	1	6	1				1.00	1.00
5	Trave f.	36	35	1	6	1				1.00	1.00
6	Trave f.	37	219	1	6	1				1.00	1.00
7	Trave	89	90	5	5	1					
8	Trave	53	10	1	7	1					
9	Trave	10	11	1	7	1					
10	Trave	14	56	1	7	1					
11	Trave f.	215	15	1	6	1				1.00	1.00
12	Trave f.	217	215	1	6	1				1.00	1.00
13	Trave f.	47	217	1	6	1				1.00	1.00
14	Trave	1	2	1	7	1		000001	000001		
15	Trave	108	1	1	7	1					
16	Trave	11	12	1	7	1					
17	Trave	15	116	4	4	1					
18	Trave	116	118	4	4	1					
19	Trave	118	120	4	4	1					
20	Trave	120	122	4	4	1					
21	Trave	122	72	4	4	1					
22	Trave	72	144	4	4	1					
23	Trave	144	146	4	4	1					
24	Trave	146	148	4	4	1					
25	Trave	148	150	4	4	1					
26	Trave	150	17	4	4	1					
27	Trave f.	17	209	1	6	1				1.00	1.00
28	Trave f.	209	210	1	6	1				1.00	1.00
29	Trave	67	10	7	2	1					
30	Trave	66	11	7	2	1					
31	Trave	65	12	7	2	1					
32	Trave	64	13	7	2	1					
33	Trave	221	14	7	2	1					
34	Trave	27	143	4	3	1					
35	Trave	121	27	4	3	1					
36	Trave	119	121	4	3	1					
37	Trave	117	119	4	3	1					
38	Trave	115	117	4	3	1					
39	Trave	172	176	7	1	1					
40	Trave	176	260	7	1	1					
41	Trave	260	88	7	1	1					
42	Trave	88	94	7	1	1					
43	Trave	94	98	7	1	1					
44	Trave	98	102	7	1	1					
45	Trave	102	259	7	1	1					
46	Trave	259	80	7	1	1					
47	Trave	80	28	7	1	1					
48	Trave	28	248	7	1	1					
49	Trave	248	247	7	1	1					
50	Trave	247	231	7	1	1					
51	Trave	231	235	7	1	1					
52	Trave	235	196	7	1	1					
53	Trave	196	229	7	1	1					
54	Trave	229	63	7	1	1					
55	Trave	63	67	7	1	1					
56	Trave	171	175	7	1	1					
57	Trave	175	55	7	1	1					
58	Trave	55	87	7	1	1					
59	Trave	87	93	7	1	1					
60	Trave	93	97	7	1	1					
61	Trave	97	101	7	1	1					
62	Trave	101	78	7	1	1					
63	Trave	78	79	7	1	1					
64	Trave	79	29	7	1	1					
65	Trave	29	246	7	1	1					
66	Trave	246	245	7	1	1					
67	Trave	245	232	7	1	1					
68	Trave	232	255	7	1	1					
69	Trave	255	195	7	1	1					
70	Trave	195	191	7	1	1					
71	Trave	191	62	7	1	1					
72	Trave	62	66	7	1	1					
73	Trave	168	174	7	1	1					

74	Trave	174	113	7	1	1
75	Trave	113	85	7	1	1
76	Trave	85	92	7	1	1
77	Trave	92	96	7	1	1
78	Trave	96	100	7	1	1
79	Trave	100	76	7	1	1
80	Trave	76	77	7	1	1
81	Trave	77	30	7	1	1
82	Trave	30	244	7	1	1
83	Trave	244	243	7	1	1
84	Trave	243	233	7	1	1
85	Trave	233	256	7	1	1
86	Trave	256	194	7	1	1
87	Trave	194	190	7	1	1
88	Trave	190	61	7	1	1
89	Trave	61	65	7	1	1
90	Trave	51	173	7	1	1
91	Trave	173	82	7	1	1
92	Trave	82	83	7	1	1
93	Trave	83	91	7	1	1
94	Trave	91	95	7	1	1
95	Trave	95	99	7	1	1
96	Trave	99	74	7	1	1
97	Trave	74	75	7	1	1
98	Trave	75	31	7	1	1
99	Trave	31	242	7	1	1
100	Trave	242	241	7	1	1
101	Trave	241	234	7	1	1
102	Trave	234	33	7	1	1
103	Trave	33	193	7	1	1
104	Trave	193	54	7	1	1
105	Trave	54	60	7	1	1
106	Trave	60	64	7	1	1
107	Trave	254	252	7	1	1
108	Trave	252	49	7	1	1
109	Trave	49	139	7	1	1
110	Trave	139	140	7	1	1
111	Trave	140	141	7	1	1
112	Trave	141	142	7	1	1
113	Trave	142	23	7	1	1
114	Trave	23	167	7	1	1
115	Trave	167	32	7	1	1
116	Trave	32	169	7	1	1
117	Trave	169	170	7	1	1
118	Trave	170	22	7	1	1
119	Trave	22	34	7	1	1
120	Trave	34	227	7	1	1
121	Trave	24	25	4	8	1
122	Trave	25	26	4	8	1
123	Trave	26	27	4	8	1
124	Trave	8	123	4	3	1
125	Trave	149	18	4	3	1
126	Trave	147	149	4	3	1
127	Trave	145	147	4	3	1
128	Trave	143	145	4	3	1
129	Pilas.	116	261	12	10	1
130	Pilas.	118	52	12	10	1
131	Pilas.	120	192	12	10	1
132	Pilas.	148	59	12	10	1
133	Pilas.	150	84	12	10	1
134	Pilas.	37	205	12	10	1
135	Pilas.	219	182	12	10	1
136	Pilas.	36	204	12	10	1
137	Pilas.	35	203	12	10	1
138	Pilas.	89	201	12	10	1
139	Pilas.	90	202	12	10	1
140	Pilas.	68	187	12	10	1
141	Pilas.	240	183	12	10	1
142	Pilas.	249	184	12	10	1
143	Pilas.	250	185	12	10	1
144	Pilas.	106	238	12	10	1
145	Pilas.	81	189	12	10	1
146	Pilas.	257	186	12	10	1
147	Pilas.	109	188	12	10	1
148	Pilas.	105	239	12	10	1
149	Pilas.	104	50	12	10	1
150	Pilas.	103	16	12	10	1

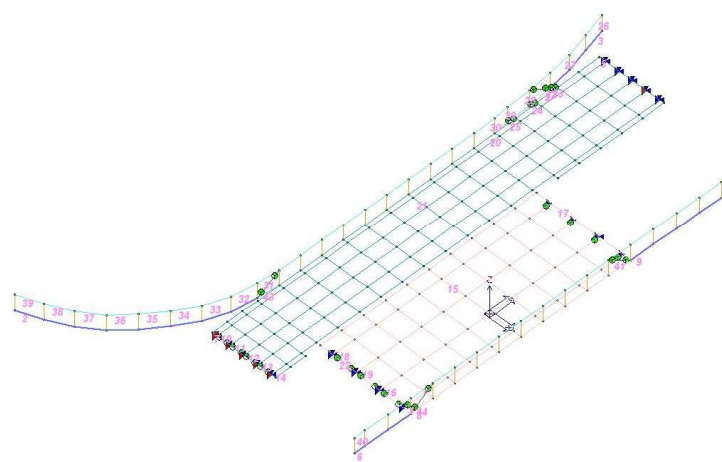
000111

151	Pilas.	38	206	12	10	1				
152	Pilas.	39	207	12	10	1				
153	Pilas.	40	208	12	10	1				
154	Pilas.	41	212	12	10	1				
155	Pilas.	42	213	12	10	1				
156	Pilas.	43	214	12	10	1				
157	Pilas.	44	216	12	10	1				
158	Pilas.	45	218	12	10	1				
159	Pilas.	46	220	12	10	1				
160	Pilas.	48	237	12	10	1				
161	Pilas.	211	179	12	10	1				
162	Pilas.	210	112	12	10	1				
163	Pilas.	209	86	12	10	1				
164	Pilas.	146	58	12	10	1				
165	Pilas.	15	198	12	10	1				
166	Pilas.	215	180	12	10	1				
167	Pilas.	217	181	12	10	1				
168	Pilas.	47	236	12	10	1				
169	Pilas.	122	197	12	10	1				
170	Pilas.	144	57	12	10	1				
171	Pilas.	72	199	12	10	1				
172	Trave	21	20	4	8	1				
173	Trave	225	223	7	1	1				
174	Trave	227	225	7	1	1				
175	Trave	223	221	7	1	1				
176	Trave	3	4	1	7	1	000001	000001		
177	Trave f.	210	211	1	6	1			1.00	1.00
178	Trave	20	19	4	8	1				
179	Trave	19	18	4	8	1				
180	Trave	13	14	1	7	1				
181	Trave	12	13	1	7	1				
182	Trave	2	3	1	7	1	000001	000001		
183	Trave	5	110	1	7	1				
184	Trave	4	5	1	7	1	000001	000001		
185	Trave f.	211	48	1	6	1			1.00	1.00
186	Trave	35	89	5	5	1				
187	Trave	151	152	4	3	1				
188	Trave f.	219	36	1	6	1			1.00	1.00
189	Trave f.	42	41	1	6	1			1.00	1.00
190	Trave	26	151	4	3	1				
191	Trave	126	26	4	3	1				
192	Trave f.	46	45	1	6	1			1.00	1.00
193	Trave f.	45	44	1	6	1			1.00	1.00
194	Trave f.	44	43	1	6	1			1.00	1.00
195	Trave f.	43	42	1	6	1			1.00	1.00
196	Trave	6	131	4	3	1				
197	Trave	162	21	4	3	1		000111		
198	Trave	161	162	4	3	1				
199	Trave	160	161	4	3	1				
200	Trave	159	160	4	3	1				
201	Trave	24	159	4	3	1				
202	Trave	134	24	4	3	1				
203	Trave	133	134	4	3	1				
204	Trave	132	133	4	3	1				
205	Trave	131	132	4	3	1				
206	Trave	158	20	4	3	1		000111		
207	Trave	157	158	4	3	1				
208	Trave	156	157	4	3	1				
209	Trave	155	156	4	3	1				
210	Trave	25	155	4	3	1				
211	Trave	130	25	4	3	1				
212	Trave	129	130	4	3	1				
213	Trave	128	129	4	3	1				
214	Trave	127	128	4	3	1				
215	Trave	7	127	4	3	1				
216	Trave	154	19	4	3	1		000111		
217	Trave	153	154	4	3	1				
218	Trave	152	153	4	3	1				
219	Trave	125	126	4	3	1				
220	Trave	124	125	4	3	1				
221	Trave	123	124	4	3	1				
222	Trave	1	172	7	2	1				
223	Trave	2	171	7	2	1				
224	Trave	90	68	5	5	1				
225	Trave	68	240	4	5	1				
226	Trave	249	240	4	5	1				
227	Trave	250	249	4	5	1				

228	Trave	106	250	4	5	1		
229	Trave	81	106	4	5	1		
230	Trave	257	81	4	5	1		
231	Trave	109	257	4	5	1		
232	Trave	105	109	4	5	1		
233	Trave	104	105	4	5	1		
234	Trave	103	104	4	5	1		
235	Trave	38	103	4	5	1		
236	Trave	3	168	7	2	1		
237	Trave	4	51	7	2	1		
238	Trave	5	254	7	2	1		
239	Pilas.	17	200	12	10	1		
240	Trave	31	32	1	7	1		
241	Trave	30	31	1	7	1		
242	Trave	29	30	1	7	1		
243	Trave	28	29	1	7	1		
244	Trave	6	7	4	8	1	000111	000001
245	Trave	7	8	4	8	1	000111	000001
246	Trave	8	9	4	8	1	000111	000001
247	Trave	35	71	7	9	1	000101	000011
248	Trave	89	70	7	9	1	000101	000011
249	Trave	90	69	7	9	1	000101	000011
250	Trave	205	182	12	13	1		
251	Trave	182	204	12	13	1		
252	Trave	204	203	12	13	1		
253	Trave	203	201	12	13	1		
254	Trave	201	202	12	13	1		
255	Trave	202	187	12	13	1		
256	Trave	187	183	12	13	1		
257	Trave	184	183	12	13	1		
258	Trave	185	184	12	13	1		
259	Trave	238	185	12	13	1		
260	Trave	189	238	12	13	1		
261	Trave	186	189	12	13	1		
262	Trave	188	186	12	13	1		
263	Trave	239	188	12	13	1		
264	Trave	50	239	12	13	1		
265	Trave	16	50	12	13	1		
266	Trave	206	16	12	13	1		
267	Trave	207	206	12	13	1		
268	Trave	208	207	12	13	1		
269	Trave	212	208	12	13	1		
270	Trave	213	212	12	13	1		
271	Trave	214	213	12	13	1		
272	Trave	216	214	12	13	1		
273	Trave	218	216	12	13	1		
274	Trave	220	218	12	13	1		
275	Trave	179	237	12	13	1		
276	Trave	112	179	12	13	1		
277	Trave	86	112	12	13	1		
278	Trave	200	86	12	13	1		
279	Trave	84	200	12	13	1		
280	Trave	59	84	12	13	1		
281	Trave	58	59	12	13	1		
282	Trave	57	58	12	13	1		
283	Trave	199	57	12	13	1		
284	Trave	197	199	12	13	1		
285	Trave	192	197	12	13	1		
286	Trave	52	192	12	13	1		
287	Trave	261	52	12	13	1		
288	Trave	198	261	12	13	1		
289	Trave	180	198	12	13	1		
290	Trave	181	180	12	13	1		
291	Trave	236	181	12	13	1		
292	Trave	84	17	12	11	1	000111	000011
293	Trave	35	201	12	11	1	000111	000011
294	Trave	38	16	12	11	1	000111	000011
295	Trave	15	261	12	11	1	000111	000011



15\_MOD\_NUMERAZIONE\_D2



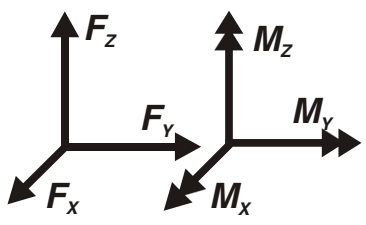
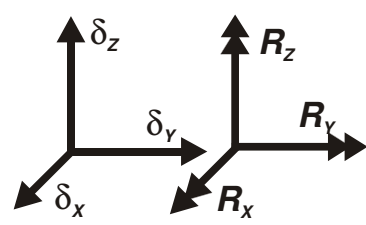
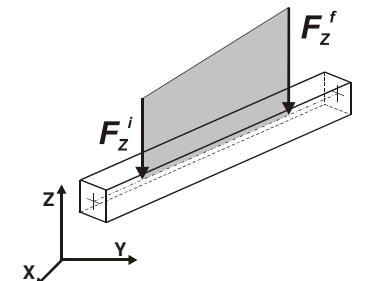
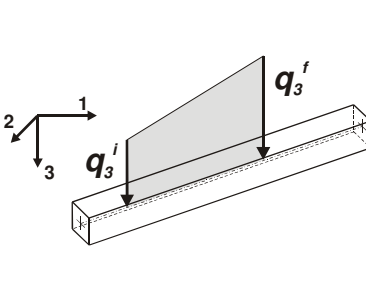
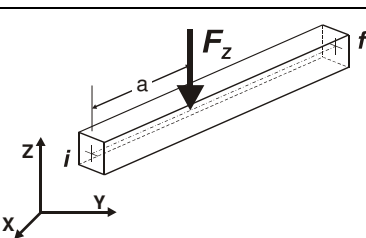
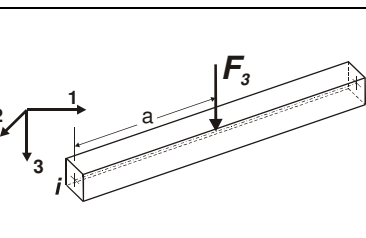
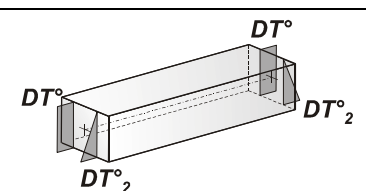
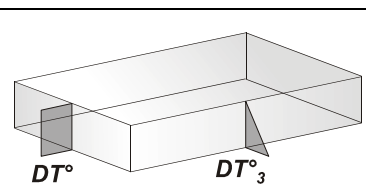
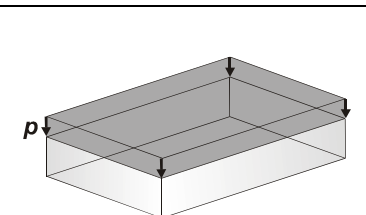
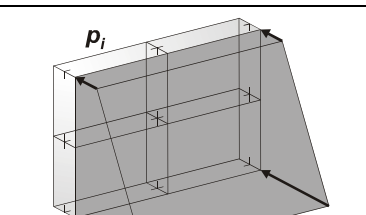
15\_MOD\_NUMERAZIONE\_D2\_TRAVATE

# MODELLAZIONE DELLE AZIONI

## LEGENDA TABELLA DATI AZIONI

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

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

 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

Tipo carico concentrato globale su trave

Id	Tipo	Pos.	Fx	Fy	Fz	Mx	My	Mz
		m	kN	kN	kN	kN m	kN m	kN m
5	Urto i-CG:pos. =100.00 Fx= 1.000e+04	1.00	100.00	0.0	0.0	0.0	0.0	0.0
8	Urto valle-CG:pos. =100.00 Fx=-1.000e+04	1.00	-100.00	0.0	0.0	0.0	0.0	0.0
9	Urto valle 45°-CG:pos. =100.00 Fx=-7100.00 Fy=7100.00	1.00	-71.00	71.00	0.0	0.0	0.0	0.0

Tipo carico di pressione uniforme su piastra

<b>Id</b>	<b>Tipo</b>	<b>pressione</b>
		kN/ m2
1	Peso massicciata e manto nuovo-P3:p=-6.200e-02	-6.20
2	Peso massicciata e manto esistente-P3:p=-3.800e-02	-3.80

**Tipo gruppo di carichi con impronta su piastra**

<b>Id</b>	<b>Tipo</b>	<b>Ripet. X</b>	<b>Ripet. Y</b>	<b>Carico FZ</b>	<b>Centro X</b>	<b>Centro Y</b>	<b>dim. X</b>	<b>dim. Y</b>	<b>Passo X</b>	<b>Passo Y</b>
				kN	m	m	m	m	m	m
4	Impronte 200 - i-CGI:n. 2 FZ=-200.00	2	1	-200.00	-0.30	-0.70	0.60	0.35	2.00	0.0
6	Impronte 200 - ii-CGI:n. 2 FZ=-200.00	2	1	-200.00	-0.30	-5.03	0.60	0.35	2.00	0.0
7	Impronte 200 - iii-CGI:n. 2 FZ=-200.00	2	1	-200.00	-0.30	4.00	0.60	0.35	2.00	0.0
10	Impronte 200 - vi-CGI:n. 2 FZ=-200.00	2	1	-200.00	-8.00	-0.70	0.60	0.35	2.00	0.0
11	Impronte 200 - vii-CGI:n. 2 FZ=-200.00	2	1	-200.00	-8.00	-5.70	0.60	0.35	2.00	0.0
12	Impronte 200 - viii-CGI:n. 2 FZ=-200.00	2	1	-200.00	-8.00	5.10	0.60	0.35	2.00	0.0
13	Impronte 200 - viii-CGI:n. 2 FZ=-200.00	2	1	-200.00	-8.00	10.00	0.60	0.35	2.00	0.0



# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

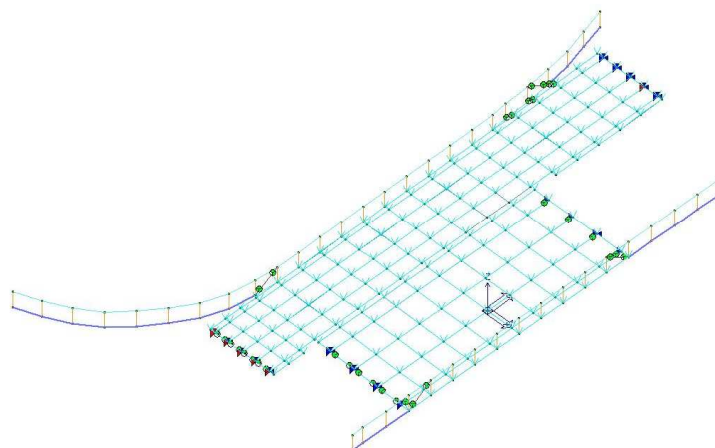
*Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).*

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

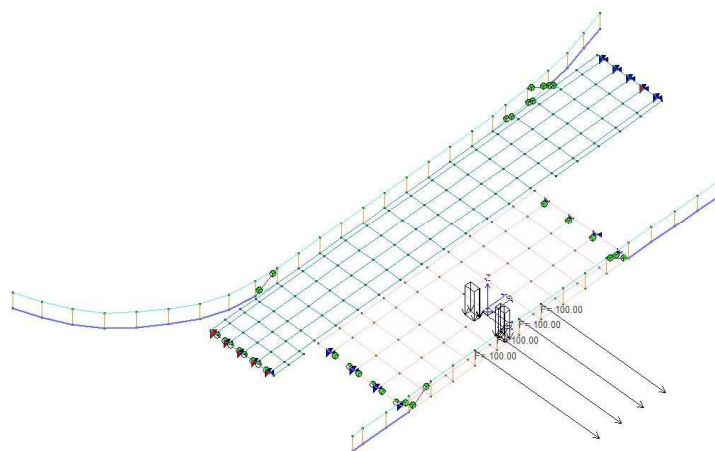
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione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

<b>CDC</b>	<b>Tipo</b>	<b>Sigla Id</b>	<b>Note</b>
1	Gk	CDC=G1k (permanente generico) .....	Azioni applicate:
			D3 :da 1 a 25 Azione : Peso massicciata e manto nuovo-P3:p=-6.200e-02
			D3 :da 26 a 30 Azione : Peso massicciata e manto esistente-P3:p=-3.800e-02
			D3 :da 31 a 55 Azione : Peso massicciata e manto nuovo-P3:p=-6.200e-02
			D3 :da 56 a 66 Azione : Peso massicciata e manto esistente-P3:p=-3.800e-02
			D3 :da 70 a 152 Azione : Peso massicciata e manto esistente-P3:p=-3.800e-02
2	Qk	Urto i	Azioni applicate:

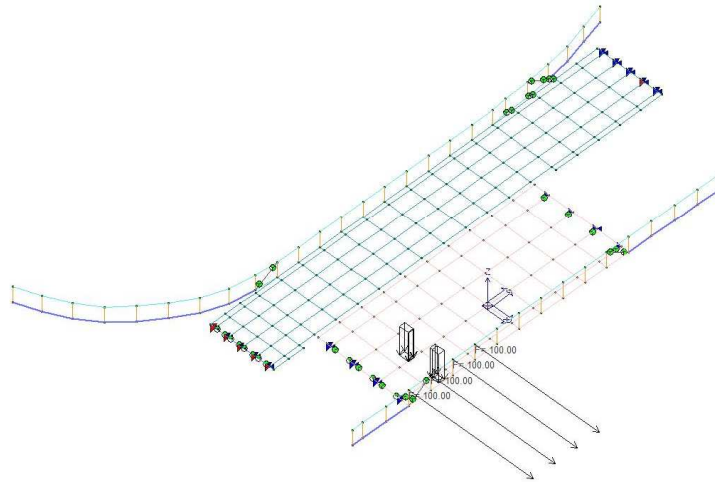
CDC	Tipo	Sigla Id	Note
			D2 : 131 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D2 :da 169 a 171 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D3 :da 4 a 5 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 9 a 10 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 14 a 15 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 14 a 15 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
			D3 :da 19 a 20 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 24 a 25 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 31 a 32 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 36 a 37 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 41 a 42 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 46 a 47 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
			D3 :da 51 a 55 Azione : Impronte 200 - i-CGI:n. 2 FZ=-200.00
3	Qk	Urto ii	Azioni applicate:
			D2 :da 129 a 131 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D2 : 165 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D3 :da 1 a 3 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
			D3 :da 6 a 8 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
			D3 :da 11 a 13 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
			D3 :da 16 a 18 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
			D3 :da 21 a 23 Azione : Impronte 200 - ii-CGI:n. 2 FZ=-200.00
4	Qk	Urto iii	Azioni applicate:
			D2 :da 132 a 133 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D2 : 164 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D2 : 170 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
			D3 :da 33 a 35 Azione : Impronte 200 - iii-CGI:n. 2 FZ=-200.00
			D3 :da 38 a 40 Azione : Impronte 200 - iii-CGI:n. 2 FZ=-200.00
			D3 :da 43 a 45 Azione : Impronte 200 - iii-CGI:n. 2 FZ=-200.00
			D3 :da 48 a 50 Azione : Impronte 200 - iii-CGI:n. 2 FZ=-200.00
5	Qk	Urto iv	Azioni applicate:
			D2 :da 160 a 163 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
6	Qk	Urto v	Azioni applicate:
			D2 :da 165 a 168 Azione : Urto i-CG:pos. =100.00 Fx= 1.000e+04
7	Qk	Urto vi	Azioni applicate:
			D2 :da 146 a 147 Azione : Urto valle-CG:pos. =100.00 Fx=-1.000e+04
			D3 :da 115 a 119 Azione : Impronte 200 - vi-CGI:n. 2 FZ=-200.00
			D3 :da 122 a 123 Azione : Impronte 200 - vi-CGI:n. 2 FZ=-200.00
			D3 :da 137 a 144 Azione : Impronte 200 - vi-CGI:n. 2 FZ=-200.00
			D3 :da 148 a 149 Azione : Impronte 200 - vi-CGI:n. 2 FZ=-200.00
8	Qk	Urto vii	Azioni applicate:
			D2 :da 150 a 151 Azione : Urto valle-CG:pos. =100.00 Fx=-1.000e+04
			D3 :da 26 a 30 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 56 a 66 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 56 a 66 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 82 a 114 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 82 a 114 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 125 a 136 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 125 a 136 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 145 a 147 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 145 a 147 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
			D3 :da 150 a 152 Azione : Impronte 200 - vii-CGI:n. 2 FZ=-200.00
9	Qk	Urto viii	Azioni applicate:
			D2 :da 142 a 143 Azione : Urto valle-CG:pos. =100.00 Fx=-1.000e+04
			D3 :da 70 a 81 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 :da 120 a 121 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 : 124 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
10	Qk	Urto ix	Azioni applicate:
			D2 :da 138 a 139 Azione : Urto valle-CG:pos. =100.00 Fx=-1.000e+04
			D3 :da 90 a 92 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 :da 94 a 96 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 :da 98 a 100 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 :da 102 a 104 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
			D3 :da 110 a 113 Azione : Impronte 200 - viii-CGI:n. 2 FZ=-200.00
11	Qk	Urto x	Azioni applicate:
			D2 :da 135 a 136 Azione : Urto valle-CG:pos. =100.00 Fx=-1.000e+04
			D2 :da 155 a 156 Azione : Urto valle 45°-CG:pos. =100.00 Fx=-7100.00 Fy=7100.00



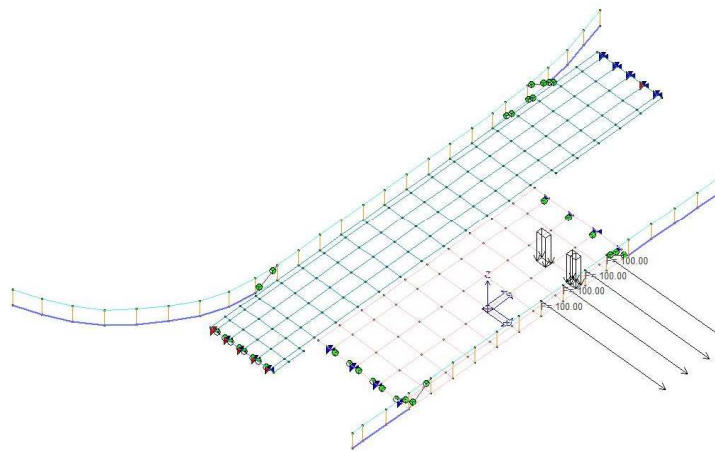
22\_CDC\_001\_CDC=G1k (permanente generico) .....



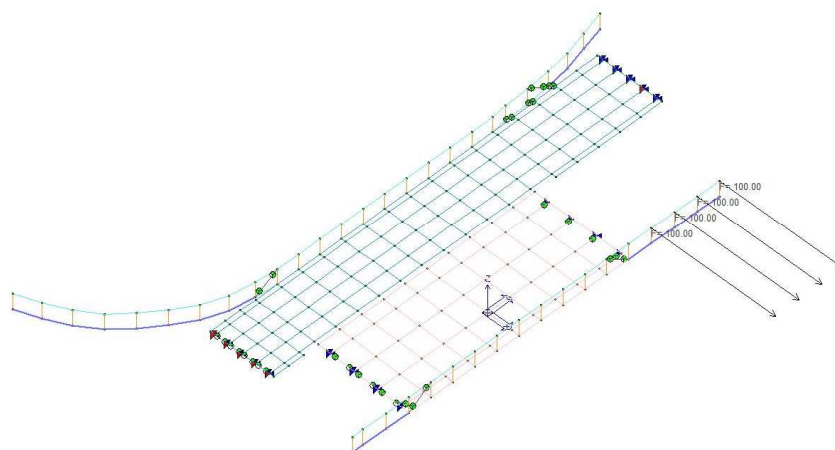
22\_CDC\_002\_Urto i



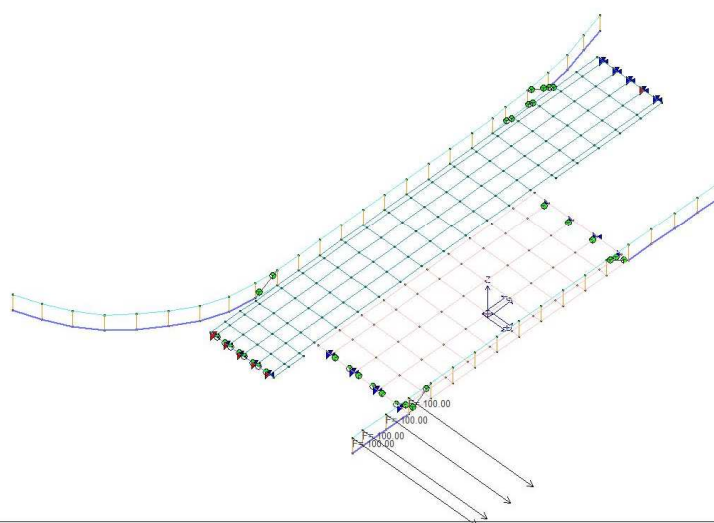
22\_CDC\_003\_Urto ii



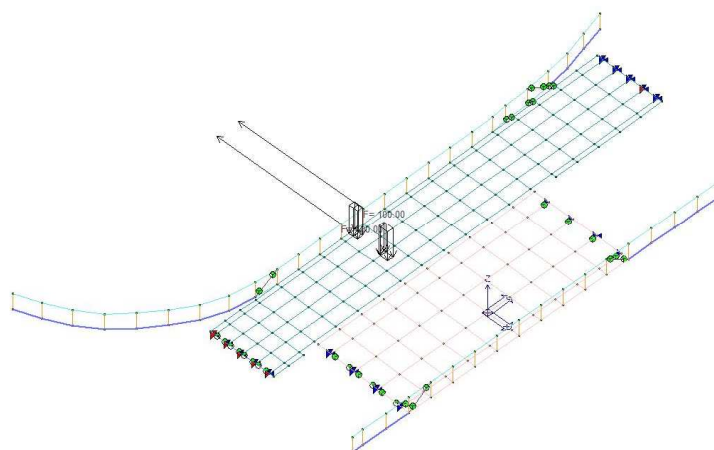
22\_CDC\_004\_Urto iii



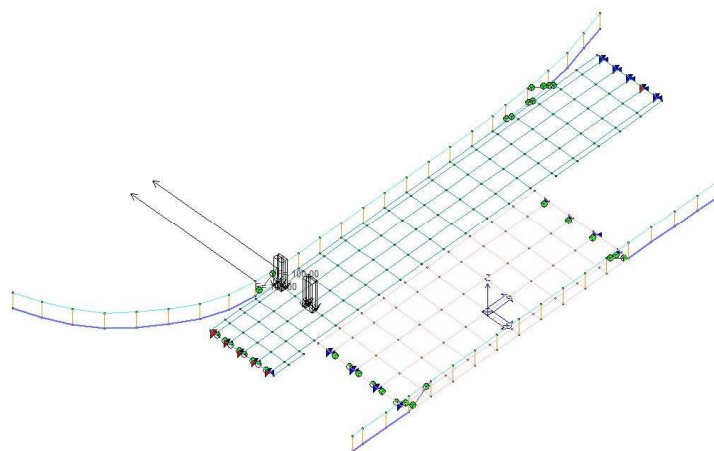
22\_CDC\_005\_Urto iv



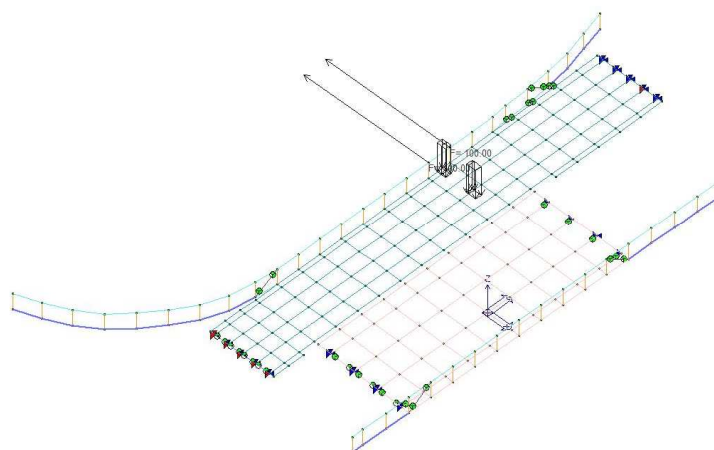
22\_CDC\_006\_Urto v



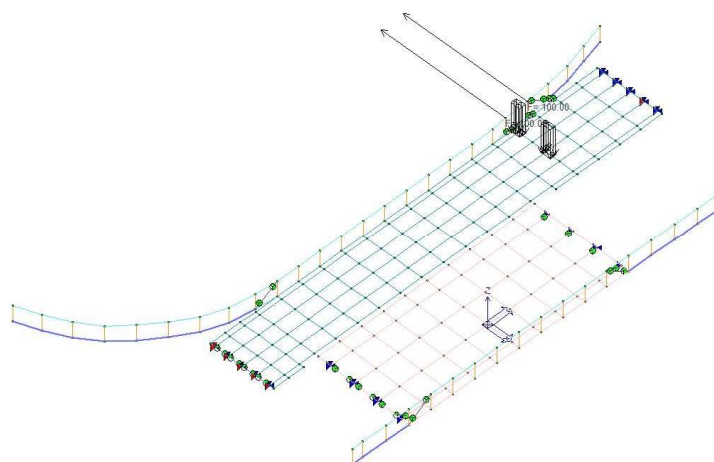
22\_CDC\_007\_Urto vi



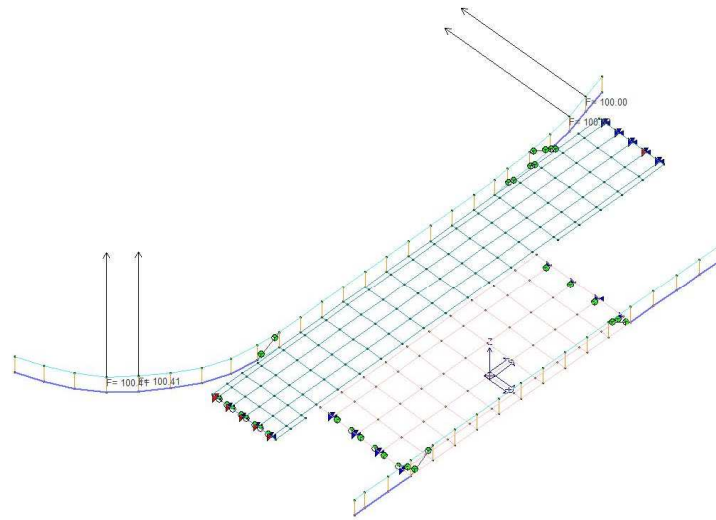
22\_CDC\_008\_Urto vii



22\_CDC\_009\_Urto viii



22\_CDC\_010\_Urto ix





# DEFINIZIONE DELLE COMBINAZIONI

## LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

### Combinazione fondamentale SLU

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

### Combinazione caratteristica (rara) SLE

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

### Combinazione frequente SLE

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

### Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi_0$	$\psi_1$	$\psi_2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30\text{kN}$ )	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30\text{kN}$ )	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000\text{ m}$	0,50	0,20	0,00
Neve a quota $> 1000\text{ m}$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

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

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

NTC 2018 Tabella 2.6.I

	Coefficiente	<b>EQU</b>	<b>A1</b>	<b>A2</b>
	$\gamma_f$			

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

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Urto i	
2	SLU	Urto ii	
3	SLU	Urto iii	
4	SLU	Urto iv	
5	SLU	Urto v	
6	SLU	Urto vi	
7	SLU	Urto vii	
8	SLU	Urto viii	
9	SLU	Urto ix	
10	SLU	Urto x	

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

# RISULTATI NODALI

## LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	-1.16e-03	0.0	0.0
2	1	0.0	0.0	0.0	-1.20e-03	2.85e-05	0.0
3	1	0.0	0.0	0.0	-1.24e-03	1.88e-05	0.0
4	1	0.0	0.0	0.0	-1.26e-03	9.45e-06	0.0
5	1	0.0	0.0	0.0	-1.27e-03	1.13e-05	0.0
6	1	0.0	0.0	0.0	-6.92e-04	1.02e-04	-2.09e-05
7	1	0.0	0.0	0.0	-8.93e-04	9.49e-05	-1.11e-05
8	1	0.0	0.0	0.0	-1.10e-03	1.37e-04	-1.16e-05
9	1	2.30e-03	0.0	0.0	-1.31e-03	4.17e-04	0.0
9	5	0.05	0.0	0.0	-5.39e-04	6.58e-04	1.04e-06
10	1	0.0	0.0	0.0	1.22e-03	1.74e-06	0.0
11	1	0.0	0.0	0.0	1.24e-03	1.50e-06	0.0
12	1	0.0	0.0	0.0	1.25e-03	0.0	0.0
13	1	0.0	0.0	0.0	1.26e-03	0.0	0.0
14	1	0.0	0.0	0.0	1.27e-03	0.0	0.0
15	5	0.30	0.07	-1.13	-4.45e-04	3.92e-03	1.25e-03
16	7	-18.24	4.05	-15.96	-4.42e-03	-0.02	-5.45e-03
17	4	0.21	-0.04	-1.05	4.19e-04	3.76e-03	-9.79e-04
18	1	2.29e-03	0.03	0.0	1.19e-03	0.0	1.34e-05
18	4	0.03	7.44e-03	0.0	5.44e-04	1.84e-05	-7.84e-06
19	1	0.0	5.86e-03	0.0	1.05e-03	-1.06e-05	1.18e-05
19	4	0.0	8.69e-03	0.0	4.70e-04	-3.54e-06	3.81e-06
20	1	5.67e-03	-9.66e-03	0.0	9.08e-04	-1.00e-05	9.28e-06
20	3	0.01	-9.00e-03	0.0	8.41e-04	-9.34e-06	5.46e-06
20	5	-1.19e-03	0.01	0.0	6.09e-04	-7.31e-06	-1.15e-06
21	1	7.13e-03	-0.03	0.0	7.85e-04	-8.12e-06	1.10e-05
21	3	0.01	-0.02	0.0	7.52e-04	-8.24e-06	7.75e-06
22	6	-0.15	-0.03	-13.92	9.91e-04	-1.98e-03	-2.18e-05
22	7	-0.06	-0.01	-15.87	1.20e-03	-1.15e-03	-9.83e-06
22	8	-0.22	-0.02	-14.52	9.86e-04	-2.49e-03	-2.47e-05
23	6	-0.24	7.78e-03	-15.49	-5.99e-04	-2.61e-03	5.36e-06
23	7	-0.11	-2.65e-03	-18.27	-6.14e-04	-1.85e-03	-2.67e-05
23	8	-0.21	0.03	-15.64	-6.71e-04	-2.50e-03	2.11e-05
24	1	0.10	-6.12e-03	-3.11	-2.22e-06	6.30e-04	0.0
24	5	-0.02	7.95e-03	-2.80	-7.44e-06	-6.85e-05	-1.16e-06
24	6	1.51e-03	4.33e-04	-3.20	-7.49e-06	-2.26e-04	0.0
25	1	0.10	-3.60e-03	-4.13	1.30e-05	6.72e-04	1.06e-06
25	5	-0.02	7.83e-03	-2.70	-1.49e-05	-4.60e-05	0.0
26	1	0.11	1.58e-04	-5.26	3.77e-05	7.57e-04	1.58e-06
26	5	-0.02	8.64e-03	-2.66	-1.88e-05	0.0	0.0
27	1	0.11	4.16e-03	-6.57	8.25e-05	8.59e-04	2.16e-06
27	5	-0.02	9.44e-03	-2.70	5.74e-05	3.98e-05	-1.44e-06
28	7	-0.10	0.01	-24.97	5.28e-04	-1.68e-03	-6.35e-06
28	8	-0.26	-5.95e-03	-27.27	-2.86e-04	-3.09e-03	1.32e-05
29	7	-0.10	5.29e-03	-23.46	4.24e-04	-1.68e-03	-6.20e-06
29	8	-0.26	-8.78e-04	-24.51	-1.46e-04	-3.01e-03	1.06e-05
30	7	-0.10	9.56e-04	-21.94	3.29e-04	-1.69e-03	-6.11e-06
30	8	-0.26	1.83e-03	-21.85	-1.13e-04	-2.93e-03	8.94e-06

30	10	-0.02	4.94e-03	-10.53	4.96e-05	-1.19e-03	1.96e-06
31	7	-0.10	-3.19e-03	-20.42	2.45e-04	-1.69e-03	-6.15e-06
31	8	-0.26	4.48e-03	-19.23	-6.39e-05	-2.90e-03	8.38e-06
31	9	-0.13	6.72e-03	-16.11	-9.25e-05	-1.88e-03	6.75e-06
32	6	-0.23	-0.01	-16.24	6.66e-05	-2.65e-03	-1.17e-05
32	7	-0.10	-7.92e-03	-18.90	1.65e-04	-1.68e-03	-6.31e-06
32	8	-0.26	8.89e-03	-16.63	-1.37e-05	-2.89e-03	8.73e-06
33	8	-0.18	-0.01	-14.88	1.53e-03	-2.19e-03	-3.05e-05
34	7	-0.05	-0.01	-13.98	1.49e-03	-9.35e-04	-9.93e-06
34	8	-0.18	-0.03	-12.93	1.29e-03	-2.13e-03	-3.03e-05
35	8	-0.11	0.09	-7.05	3.16e-03	-2.48e-03	-3.32e-05
35	9	-0.22	0.13	-6.05	3.80e-03	-8.26e-03	-1.53e-04
35	10	-0.22	0.06	-2.25	3.30e-03	-0.01	7.74e-04
36	8	-0.06	0.09	-2.96	3.05e-03	-2.49e-03	-3.14e-05
36	9	-2.62e-03	0.16	-2.19	3.73e-03	-8.20e-03	-1.34e-04
36	10	-1.46	-0.12	-0.08	3.33e-03	-0.01	8.68e-04
37	8	0.03	0.12	3.73	2.94e-03	-2.49e-03	-2.95e-05
37	10	-3.92	-0.77	-0.79	3.34e-03	-0.01	8.24e-04
38	6	-0.05	-0.07	-9.46	-3.43e-03	-2.22e-03	2.08e-05
38	7	-0.30	-0.05	-11.17	-4.37e-03	-3.87e-03	-3.62e-05
39	6	-0.03	-0.08	-5.03	-3.26e-03	-2.32e-03	1.39e-05
39	7	-0.32	-0.05	-5.70	-4.22e-03	-3.81e-03	1.20e-05
39	10	-0.52	0.07	-1.66	-2.16e-03	-2.20e-03	-2.96e-04
40	7	-0.28	-0.06	-1.88	-3.98e-03	-3.70e-03	3.64e-05
40	10	-0.97	0.24	0.23	-2.25e-03	-2.42e-03	-3.41e-04
41	10	-1.40	0.51	1.11	-2.43e-03	-2.66e-03	-3.27e-04
42	10	-1.74	0.76	1.72	-2.64e-03	-2.86e-03	-2.14e-04
43	7	-0.17	-0.15	1.91	-3.61e-03	-3.28e-03	1.91e-05
43	10	-1.88	0.88	1.73	-2.77e-03	-2.91e-03	-4.17e-05
44	7	-0.16	-0.17	1.15	-3.59e-03	-3.16e-03	1.12e-05
44	10	-1.86	0.85	0.66	-2.79e-03	-2.85e-03	8.78e-05
45	10	-1.78	0.69	-1.24	-2.78e-03	-2.82e-03	1.39e-04
46	10	-1.70	0.48	-3.69	-2.76e-03	-2.83e-03	1.48e-04
47	1	-0.06	-0.02	2.81	-8.49e-04	8.98e-04	-1.48e-05
47	5	6.63	0.02	0.59	-4.15e-04	5.57e-03	1.92e-03
48	3	-0.08	0.04	1.71	3.05e-04	1.47e-03	1.11e-05
48	4	9.17	-0.11	0.71	3.06e-04	6.65e-03	-1.72e-03
49	6	-0.06	0.02	-6.02	-1.91e-03	-9.43e-04	2.85e-05
49	7	-0.06	0.01	-7.38	-2.31e-03	-1.14e-03	2.22e-05
50	7	-7.73	3.45	-19.88	-2.35e-03	-0.01	-6.06e-03
51	6	-0.01	2.65e-03	-2.34	-2.34e-03	-2.54e-04	1.67e-05
51	7	-0.01	1.37e-03	-2.89	-2.88e-03	-3.09e-04	1.79e-05
52	1	7.04	0.57	-4.39	-1.10e-03	0.01	-6.88e-03
52	2	24.96	0.33	-3.78	-4.46e-04	0.04	1.39e-03
53	9	2.17e-05	9.91e-03	-0.02	3.06e-03	-4.08e-05	-2.30e-05
53	10	-7.05e-05	4.41e-03	-8.24e-03	1.55e-03	-1.92e-05	-8.17e-06
54	8	-0.09	-0.01	-9.75	2.08e-03	-1.35e-03	-3.03e-05
55	6	-0.06	-0.01	-8.57	-2.75e-03	-8.81e-04	2.83e-05
55	7	-0.06	-6.55e-03	-10.09	-3.10e-03	-8.49e-04	2.59e-05
56	8	-3.41e-05	-4.85e-03	9.54e-03	2.16e-03	-3.36e-05	-1.65e-05
56	9	-3.08e-05	-5.20e-03	8.77e-03	1.93e-03	-3.09e-05	-1.80e-05
57	1	19.55	-0.24	-6.72	7.18e-04	0.03	6.93e-03
57	3	19.43	-0.32	-5.48	3.35e-04	0.03	-6.92e-03
58	1	7.00	-0.31	-5.54	9.33e-04	0.01	6.95e-03
58	3	24.75	-0.50	-5.02	7.65e-04	0.04	-1.32e-03
59	3	24.77	-0.64	-3.93	1.18e-03	0.04	1.28e-03
60	8	-0.05	-8.47e-03	-6.68	2.27e-03	-8.95e-04	-2.62e-05
60	9	-0.06	-4.20e-03	-5.99	2.01e-03	-8.13e-04	-2.35e-05
61	8	-0.05	5.21e-04	-7.52	2.57e-03	-9.28e-04	-2.62e-05
61	9	-0.06	9.52e-04	-6.74	2.27e-03	-8.36e-04	-2.40e-05
61	10	-0.02	3.01e-03	-3.51	1.19e-03	-3.61e-04	-1.76e-06
62	8	-0.05	9.88e-03	-8.35	2.86e-03	-9.03e-04	-2.62e-05
62	9	-0.06	5.92e-03	-7.53	2.52e-03	-9.17e-04	-2.53e-05
63	8	-0.05	0.02	-9.15	3.17e-03	-8.62e-04	-2.57e-05
63	9	-0.07	0.01	-8.41	2.85e-03	-9.95e-04	-2.68e-05
64	8	-0.02	-3.76e-03	-3.39	2.39e-03	-2.86e-04	-1.87e-05
64	9	-0.03	-2.16e-03	-3.05	2.15e-03	-2.63e-04	-2.13e-05
65	8	-0.02	2.82e-04	-3.81	2.69e-03	-2.98e-04	-1.90e-05
65	9	-0.03	2.94e-04	-3.43	2.41e-03	-2.78e-04	-2.21e-05
65	10	-0.01	9.55e-04	-1.78	1.26e-03	-1.18e-04	-8.85e-06
66	8	-0.02	4.44e-03	-4.23	2.99e-03	-2.87e-04	-1.87e-05
66	9	-0.03	2.65e-03	-3.84	2.70e-03	-2.97e-04	-2.27e-05
67	8	-0.02	0.01	-4.61	3.27e-03	-2.39e-04	-1.81e-05
67	9	-0.03	8.46e-03	-4.26	3.01e-03	-2.72e-04	-2.27e-05
68	8	-0.18	0.04	-21.67	2.93e-03	-2.65e-03	-2.97e-05
69	8	-0.14	0.05	-18.07	2.95e-03	-1.98e-03	0.0
70	8	-0.09	0.05	-13.95	3.11e-03	-1.40e-03	0.0

70	9	-0.11	0.01	-12.78	2.65e-03	-1.66e-03	0.0
71	8	-0.06	0.04	-9.46	3.28e-03	-8.83e-04	-2.75e-05
71	9	-0.07	0.02	-8.77	2.97e-03	-1.02e-03	-2.76e-05
72	1	0.12	5.43e-03	-7.25	1.35e-04	1.76e-03	2.25e-06
72	5	-0.02	9.08e-03	-2.77	1.07e-04	1.86e-04	-1.74e-06
73	8	-0.02	0.02	-4.73	3.36e-03	-3.13e-04	0.0
73	9	-0.03	0.02	-4.39	3.12e-03	-3.57e-04	0.0
74	6	-0.24	3.08e-03	-17.86	-6.73e-04	-2.64e-03	5.20e-06
74	7	-0.11	-1.35e-03	-19.95	-5.80e-04	-1.87e-03	-2.70e-06
74	8	-0.21	0.01	-17.91	-8.33e-04	-2.53e-03	2.13e-05
75	6	-0.24	-1.70e-03	-18.53	-2.66e-04	-2.70e-03	-5.56e-06
75	7	-0.11	-2.38e-03	-20.48	-1.62e-04	-1.80e-03	-4.74e-06
75	8	-0.24	8.61e-03	-18.85	-4.59e-04	-2.76e-03	1.70e-05
76	6	-0.24	-1.09e-03	-20.23	-7.58e-04	-2.57e-03	4.59e-06
76	7	-0.11	-5.82e-04	-21.63	-5.60e-04	-1.86e-03	-2.69e-06
76	10	-0.01	4.03e-03	-10.00	-4.10e-04	-1.08e-03	2.90e-06
77	6	-0.24	-1.42e-03	-20.96	-2.79e-04	-2.68e-03	-6.49e-06
77	7	-0.11	2.22e-04	-22.11	-1.06e-04	-1.81e-03	-4.73e-06
77	10	-0.01	4.51e-03	-10.43	-1.84e-04	-1.16e-03	2.66e-06
78	6	-0.25	-5.20e-03	-22.58	-8.58e-04	-2.77e-03	3.25e-06
78	7	-0.11	3.06e-04	-23.32	-5.51e-04	-1.89e-03	-2.67e-06
78	8	-0.21	-9.61e-03	-22.46	-1.21e-03	-2.50e-03	2.12e-05
79	6	-0.24	-1.05e-03	-23.42	-3.11e-04	-2.82e-03	-8.21e-06
79	8	-0.24	-5.63e-03	-23.86	-7.13e-04	-2.79e-03	1.75e-05
80	6	-0.24	1.17e-03	-26.16	-1.97e-04	-3.32e-03	-1.01e-05
80	8	-0.24	-0.02	-26.40	-8.91e-04	-2.88e-03	1.78e-05
81	6	-0.24	3.33e-03	-27.10	-8.93e-05	-3.58e-03	-1.18e-05
81	8	-0.23	-0.02	-27.20	-9.72e-04	-2.95e-03	1.83e-05
82	6	-0.06	9.35e-03	-6.88	-2.19e-03	-9.59e-04	2.86e-05
82	7	-0.06	3.98e-03	-8.42	-2.61e-03	-1.14e-03	2.26e-05
83	6	-0.10	0.01	-9.87	-2.00e-03	-1.39e-03	3.25e-05
83	7	-0.09	3.90e-03	-11.93	-2.26e-03	-1.54e-03	1.69e-05
84	3	19.58	-0.73	-2.25	1.28e-03	0.03	6.75e-03
85	6	-0.10	-2.32e-04	-11.12	-2.26e-03	-1.37e-03	3.29e-05
85	7	-0.09	-1.76e-03	-13.22	-2.45e-03	-1.23e-03	1.72e-05
86	3	2.14	-0.57	0.18	5.32e-04	3.10e-03	1.21e-03
86	4	24.94	-0.45	-0.51	5.48e-04	0.03	-8.53e-03
87	6	-0.10	-0.01	-12.34	-2.53e-03	-1.35e-03	3.35e-05
87	7	-0.09	-8.44e-03	-14.21	-2.66e-03	-1.18e-03	1.80e-05
88	6	-0.10	-0.03	-13.56	-2.90e-03	-1.37e-03	3.47e-05
88	7	-0.11	-0.02	-15.53	-2.91e-03	-1.87e-03	2.16e-05
89	8	-0.14	0.07	-12.17	4.16e-03	-2.46e-03	-1.88e-05
89	9	-0.45	0.08	-10.79	4.29e-03	-8.43e-03	-1.01e-04
90	8	-0.16	0.06	-18.58	4.04e-03	-2.55e-03	-1.84e-05
90	9	-0.35	0.05	-16.91	3.66e-03	-6.75e-03	1.64e-04
91	6	-0.15	0.01	-12.55	-1.75e-03	-1.80e-03	3.23e-05
91	7	-0.10	2.68e-03	-14.82	-1.84e-03	-1.76e-03	8.47e-06
91	8	-0.10	0.01	-12.28	-1.75e-03	-1.54e-03	2.58e-05
92	6	-0.15	-9.13e-05	-14.15	-1.99e-03	-1.76e-03	3.27e-05
92	7	-0.11	-2.46e-03	-16.33	-1.95e-03	-1.51e-03	7.22e-06
93	6	-0.15	-0.01	-15.75	-2.23e-03	-1.84e-03	3.30e-05
93	7	-0.11	-8.34e-03	-17.62	-2.14e-03	-1.50e-03	4.28e-06
93	8	-0.11	-0.01	-14.85	-2.24e-03	-1.28e-03	2.56e-05
94	6	-0.15	-0.03	-17.54	-2.62e-03	-2.19e-03	3.23e-05
94	7	-0.11	-0.02	-19.24	-2.29e-03	-2.19e-03	1.31e-06
95	6	-0.19	0.01	-14.82	-1.44e-03	-2.16e-03	2.76e-05
95	7	-0.11	1.22e-03	-17.13	-1.42e-03	-1.86e-03	2.94e-05
95	8	-0.14	0.01	-14.59	-1.48e-03	-1.90e-03	2.55e-05
96	6	-0.19	-3.03e-05	-16.75	-1.64e-03	-2.10e-03	2.85e-05
96	7	-0.11	-2.18e-03	-18.75	-1.48e-03	-1.72e-03	2.40e-06
96	10	-1.83e-03	2.99e-03	-8.25	-8.08e-04	-8.37e-04	2.76e-06
97	6	-0.20	-0.01	-18.67	-1.84e-03	-2.28e-03	3.00e-05
97	7	-0.11	-5.75e-03	-20.28	-1.61e-03	-1.76e-03	1.63e-06
97	8	-0.14	-0.01	-17.86	-1.97e-03	-1.72e-03	2.52e-05
98	6	-0.20	-0.03	-20.98	-2.16e-03	-2.89e-03	3.16e-05
98	7	-0.11	-9.10e-03	-22.02	-1.66e-03	-2.10e-03	0.0
98	8	-0.14	-0.03	-19.39	-2.24e-03	-1.71e-03	2.49e-05
99	6	-0.22	7.69e-03	-16.62	-1.07e-03	-2.46e-03	1.78e-05
99	7	-0.11	-1.42e-04	-18.84	-9.97e-04	-1.89e-03	0.0
99	8	-0.18	0.01	-16.48	-1.17e-03	-2.23e-03	2.39e-05
100	6	-0.23	-4.01e-04	-18.81	-1.23e-03	-2.37e-03	1.84e-05
100	7	-0.11	-1.42e-03	-20.52	-1.02e-03	-1.83e-03	0.0
100	10	-5.89e-03	3.53e-03	-9.26	-6.19e-04	-9.75e-04	2.93e-06
101	6	-0.23	-8.49e-03	-20.98	-1.38e-03	-2.59e-03	1.96e-05
101	7	-0.11	-2.64e-03	-22.18	-1.07e-03	-1.88e-03	0.0
101	8	-0.18	-0.01	-20.43	-1.62e-03	-2.13e-03	2.37e-05
102	6	-0.24	-0.02	-23.67	-1.56e-03	-3.49e-03	2.09e-05

102	7	-0.11	-3.17e-03	-23.95	-1.07e-03	-2.03e-03	0.0
102	8	-0.18	-0.03	-22.34	-1.88e-03	-2.12e-03	2.35e-05
103	6	-0.10	-0.05	-13.91	-3.32e-03	-1.74e-03	3.86e-05
103	7	-0.12	-0.03	-16.11	-3.36e-03	-3.06e-03	4.38e-06
104	6	-0.15	-0.04	-18.15	-2.77e-03	-2.31e-03	3.35e-05
104	7	-0.11	-0.02	-19.88	-2.26e-03	-2.52e-03	0.0
105	6	-0.20	-0.04	-21.81	-2.33e-03	-3.17e-03	3.34e-05
105	7	-0.11	-9.22e-03	-22.61	-1.64e-03	-2.20e-03	0.0
105	8	-0.14	-0.04	-19.86	-2.33e-03	-1.73e-03	2.50e-05
106	6	-0.23	0.01	-26.77	4.93e-04	-2.96e-03	-1.39e-05
106	8	-0.26	-9.18e-03	-28.19	-3.95e-04	-3.53e-03	1.56e-05
107	1	7.27e-03	-0.04	0.03	6.65e-04	2.25e-05	0.0
107	3	0.01	-0.03	2.65e-03	6.62e-04	-1.21e-05	0.0
107	6	7.33e-05	1.35e-05	-0.11	7.15e-04	-1.40e-04	0.0
108	6	-3.17e-05	-2.58e-03	-4.88e-04	-3.17e-03	0.0	8.15e-06
108	7	-2.53e-05	-2.41e-03	-7.81e-04	-3.80e-03	0.0	7.59e-06
109	6	-0.24	-0.02	-24.70	-1.66e-03	-4.08e-03	2.24e-05
109	8	-0.18	-0.03	-22.92	-1.96e-03	-2.13e-03	2.36e-05
110	6	-3.16e-05	2.48e-03	0.07	-2.07e-03	-2.39e-04	7.92e-06
110	7	-2.96e-05	2.15e-03	0.08	-2.55e-03	-3.02e-04	6.96e-06
111	1	3.00e-04	0.02	0.07	-6.57e-04	1.10e-04	0.0
111	2	8.05e-04	0.01	3.75e-03	-6.40e-04	2.42e-05	0.0
111	6	-5.13e-06	4.49e-04	-0.10	-7.11e-04	-1.09e-04	0.0
112	1	0.61	-0.51	0.91	3.70e-04	6.33e-04	8.39e-06
112	3	1.43	-0.55	0.80	4.25e-04	1.60e-03	6.54e-05
112	4	33.09	-0.52	-0.05	5.80e-04	0.04	-3.20e-03
113	7	-0.06	-8.42e-04	-9.38	-2.89e-03	-8.86e-04	2.37e-05
113	10	3.13e-03	1.00e-03	-3.83	-1.22e-03	-3.55e-04	0.0
114	1	0.10	-6.89e-03	-2.65	-8.14e-06	5.21e-04	0.0
114	5	-0.02	8.93e-03	-2.90	-4.69e-06	-1.40e-04	0.0
114	6	1.51e-03	4.39e-04	-3.43	-7.37e-06	-2.93e-04	0.0
115	1	0.03	-7.63e-03	-2.04	-1.34e-03	6.05e-04	-2.03e-05
115	5	-0.04	0.01	-1.00	-6.16e-04	1.04e-03	1.60e-05
116	2	0.05	-9.52e-03	-2.43	-1.04e-03	2.04e-03	-1.58e-05
116	5	-0.03	0.03	-1.77	-3.94e-04	2.07e-03	1.14e-05
117	1	0.06	-8.71e-03	-3.90	-1.15e-03	8.55e-04	-2.23e-05
117	5	-0.03	0.02	-1.82	-4.67e-04	7.54e-04	0.0
118	1	0.06	-0.02	-4.39	-1.28e-03	1.16e-03	-2.32e-05
118	2	0.06	-6.06e-03	-3.78	-7.40e-04	1.84e-03	-6.93e-06
118	5	-0.03	0.02	-2.30	-3.09e-04	1.17e-03	-5.30e-06
119	1	0.09	-6.43e-03	-5.39	-8.31e-04	1.10e-03	-1.83e-05
119	5	-0.03	0.01	-2.38	-2.90e-04	4.88e-04	-1.98e-06
120	1	0.10	-0.01	-6.04	-9.27e-04	1.59e-03	-1.92e-05
120	5	-0.03	0.01	-2.67	-1.84e-04	6.78e-04	-1.69e-06
121	1	0.11	-1.93e-03	-6.33	-4.00e-04	1.18e-03	-7.66e-06
121	5	-0.02	0.01	-2.67	-1.11e-04	2.66e-04	-1.65e-06
122	1	0.12	-4.35e-03	-7.05	-4.07e-04	1.80e-03	-7.03e-06
122	5	-0.02	0.01	-2.83	-3.27e-05	3.77e-04	-1.55e-06
123	1	0.03	-6.40e-04	-1.58	-1.05e-03	2.09e-04	-2.00e-05
123	5	-0.01	2.30e-03	-0.73	-5.02e-04	-8.32e-05	1.21e-05
124	1	0.06	-8.39e-04	-3.04	-9.16e-04	4.05e-04	-2.00e-05
124	5	-0.02	6.12e-03	-1.44	-4.62e-04	-3.65e-05	2.44e-06
125	1	0.08	-8.13e-04	-4.23	-6.84e-04	5.65e-04	-1.57e-05
125	5	-0.02	7.96e-03	-2.06	-3.62e-04	1.46e-06	0.0
126	1	0.10	-6.12e-04	-5.02	-3.57e-04	6.80e-04	-7.72e-06
126	5	-0.02	8.55e-03	-2.48	-2.09e-04	8.04e-06	-1.12e-06
127	1	0.03	8.10e-04	-1.28	-8.48e-04	2.14e-04	-1.97e-05
127	5	-0.01	1.57e-03	-0.82	-5.46e-04	-2.70e-05	6.81e-06
128	1	0.06	9.82e-04	-2.43	-7.19e-04	3.90e-04	-1.86e-05
128	5	-0.02	3.53e-03	-1.56	-4.67e-04	-5.46e-05	3.93e-06
129	1	0.08	1.39e-04	-3.35	-5.22e-04	5.42e-04	-1.44e-05
129	5	-0.02	5.36e-03	-2.15	-3.46e-04	-6.59e-05	1.12e-06
130	1	0.10	-1.55e-03	-3.94	-2.70e-04	6.40e-04	-7.97e-06
130	5	-0.02	6.77e-03	-2.55	-1.91e-04	-5.90e-05	0.0
131	1	0.03	6.71e-03	-0.99	-6.52e-04	1.95e-04	-1.94e-05
131	6	4.76e-04	2.18e-04	-1.00	-6.68e-04	-1.02e-04	0.0
132	1	0.06	7.95e-03	-1.86	-5.43e-04	3.23e-04	-1.77e-05
132	6	8.68e-04	3.40e-04	-1.90	-5.61e-04	-1.61e-04	0.0
133	1	0.08	5.54e-03	-2.54	-3.84e-04	4.46e-04	-1.38e-05
133	3	0.05	6.52e-03	-2.45	-3.76e-04	2.03e-04	-1.06e-05
133	6	1.19e-03	4.07e-04	-2.60	-4.04e-04	-2.09e-04	0.0
134	1	0.09	4.80e-04	-2.96	-1.96e-04	5.44e-04	-7.95e-06
134	5	-0.02	5.87e-03	-2.67	-1.83e-04	-1.01e-04	0.0
134	6	1.41e-03	4.34e-04	-3.04	-2.14e-04	-2.35e-04	0.0
135	1	0.03	0.02	-0.85	-6.04e-04	1.66e-04	0.0
135	6	5.05e-04	4.65e-04	-1.13	-7.05e-04	-1.47e-04	0.0
136	1	0.06	0.02	-1.63	-4.84e-04	2.75e-04	0.0

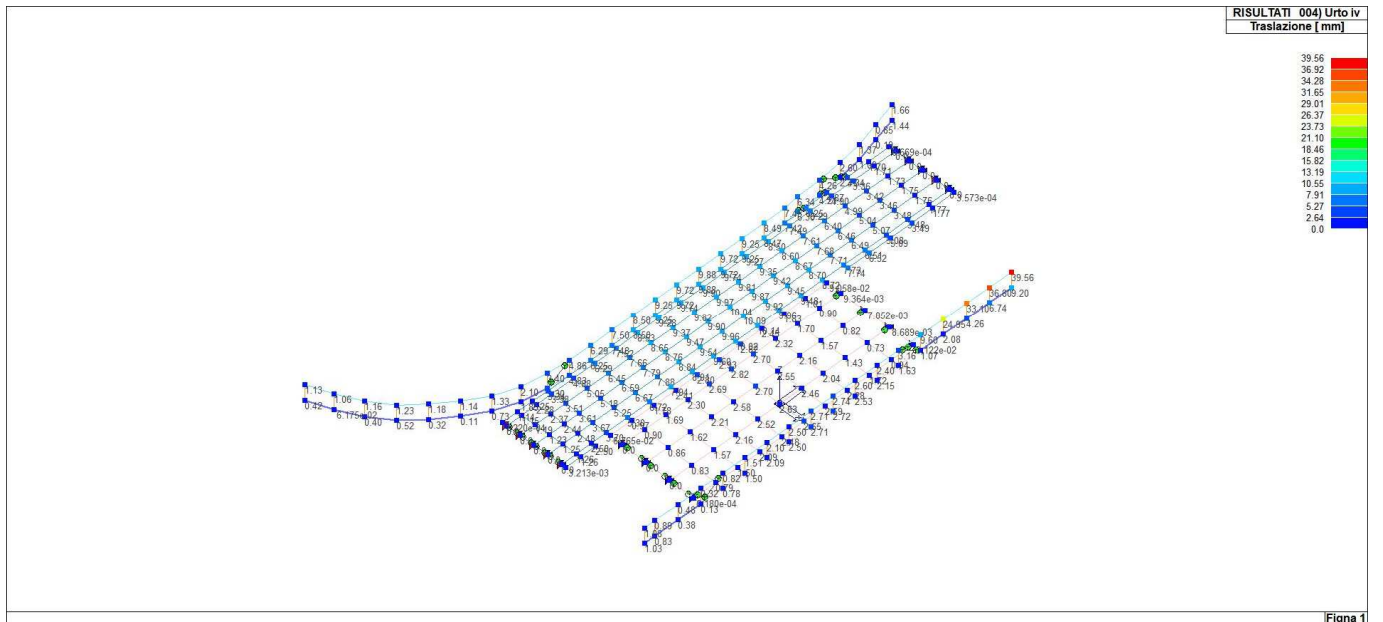
136	6	8.84e-04	5.31e-04	-2.07	-5.95e-04	-2.08e-04	0.0
137	1	0.08	0.02	-2.20	-3.29e-04	3.88e-04	0.0
137	6	1.20e-03	5.48e-04	-2.81	-4.26e-04	-2.58e-04	0.0
138	1	0.09	6.01e-03	-2.54	-1.52e-04	4.82e-04	0.0
138	3	0.06	0.01	-2.68	-1.66e-04	2.09e-04	0.0
138	6	1.41e-03	5.14e-04	-3.27	-2.20e-04	-2.85e-04	0.0
139	6	-0.10	0.03	-8.62	-1.73e-03	-1.38e-03	3.21e-05
139	7	-0.08	0.01	-10.50	-2.06e-03	-1.55e-03	1.66e-05
140	6	-0.15	0.03	-10.92	-1.50e-03	-1.79e-03	3.19e-05
140	7	-0.10	9.04e-03	-13.20	-1.74e-03	-1.78e-03	8.75e-06
141	6	-0.19	0.03	-12.87	-1.23e-03	-2.15e-03	2.71e-05
141	7	-0.11	4.74e-03	-15.43	-1.38e-03	-1.88e-03	3.11e-06
141	8	-0.14	0.03	-12.87	-1.27e-03	-1.89e-03	2.53e-05
142	6	-0.22	0.02	-14.40	-9.24e-04	-2.43e-03	1.75e-05
142	7	-0.11	7.67e-04	-17.12	-1.00e-03	-1.89e-03	0.0
142	8	-0.18	0.03	-14.47	-9.80e-04	-2.22e-03	2.38e-05
143	1	0.11	0.01	-6.11	5.31e-04	1.00e-03	1.17e-05
144	1	0.11	0.02	-6.72	6.14e-04	1.50e-03	1.20e-05
145	1	0.08	0.02	-5.07	8.86e-04	8.15e-04	1.78e-05
145	3	0.09	0.01	-4.38	5.76e-04	1.01e-03	4.11e-06
146	1	0.08	0.02	-5.54	1.01e-03	1.08e-03	1.88e-05
146	3	0.10	0.01	-5.02	5.52e-04	1.64e-03	3.84e-06
147	1	0.06	0.02	-3.59	1.13e-03	5.47e-04	1.83e-05
147	3	0.08	0.02	-3.30	9.21e-04	9.58e-04	1.51e-05
148	1	0.06	0.03	-3.90	1.25e-03	7.05e-04	1.85e-05
148	3	0.09	0.02	-3.93	9.88e-04	1.65e-03	1.53e-05
149	1	0.03	0.03	-1.84	1.25e-03	3.23e-04	1.91e-05
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150	1	0.03	0.03	-2.04	1.28e-03	5.22e-04	1.89e-05
150	3	0.05	0.03	-2.29	1.22e-03	1.50e-03	2.70e-05
151	1	0.10	1.34e-03	-4.93	4.06e-04	6.34e-04	9.39e-06
151	5	-0.02	8.59e-03	-2.54	1.70e-04	-3.23e-05	-2.28e-06
152	1	0.08	2.68e-03	-4.11	6.94e-04	4.87e-04	1.50e-05
152	3	0.08	2.85e-03	-3.51	5.10e-04	3.16e-04	5.09e-06
152	5	-0.01	8.52e-03	-2.17	3.35e-04	-5.05e-05	-2.77e-06
153	1	0.06	4.13e-03	-2.94	9.02e-04	3.20e-04	1.75e-05
153	3	0.07	2.62e-03	-2.60	7.49e-04	2.02e-04	1.41e-05
153	5	-9.75e-03	8.47e-03	-1.58	4.64e-04	-5.11e-05	-3.03e-06
154	1	0.03	5.26e-03	-1.53	1.03e-03	1.38e-04	1.88e-05
154	3	0.04	2.22e-03	-1.37	9.05e-04	6.05e-05	2.21e-05
154	5	-5.32e-03	8.43e-03	-0.83	5.50e-04	-3.79e-05	-3.12e-06
155	1	0.09	-5.64e-03	-3.91	2.89e-04	6.05e-04	8.65e-06
155	5	-0.02	8.64e-03	-2.59	1.67e-04	-3.93e-05	-2.24e-06
156	1	0.08	-7.44e-03	-3.31	5.28e-04	4.87e-04	1.37e-05
156	5	-0.01	9.27e-03	-2.22	3.35e-04	-3.37e-05	-2.73e-06
157	1	0.06	-8.76e-03	-2.41	7.16e-04	3.32e-04	1.67e-05
157	3	0.06	-6.45e-03	-2.21	6.29e-04	2.38e-04	1.32e-05
157	5	-9.76e-03	9.73e-03	-1.63	4.73e-04	-2.70e-05	-2.97e-06
158	1	0.03	-9.56e-03	-1.27	8.39e-04	1.63e-04	1.79e-05
158	3	0.04	-8.41e-03	-1.18	7.71e-04	1.23e-04	1.87e-05
158	5	-5.41e-03	0.01	-0.86	5.66e-04	-1.69e-05	-3.05e-06
159	1	0.09	-0.01	-2.98	1.92e-04	5.18e-04	8.45e-06
159	6	1.48e-03	4.09e-04	-3.06	2.01e-04	-2.45e-04	0.0
160	1	0.08	-0.02	-2.57	3.82e-04	4.01e-04	1.33e-05
160	6	1.30e-03	3.75e-04	-2.62	3.95e-04	-2.29e-04	0.0
161	1	0.05	-0.02	-1.89	5.45e-04	2.70e-04	1.62e-05
161	3	0.06	-0.02	-1.85	5.30e-04	1.61e-04	1.26e-05
161	6	9.84e-04	3.40e-04	-1.92	5.56e-04	-1.88e-04	0.0
162	1	0.03	-0.03	-1.01	6.58e-04	1.41e-04	1.69e-05
162	3	0.04	-0.02	-0.99	6.44e-04	8.39e-05	1.63e-05
162	6	5.49e-04	3.16e-04	-1.01	6.65e-04	-1.31e-04	0.0
163	1	0.09	-0.02	-2.57	1.39e-04	4.51e-04	0.0
163	6	1.47e-03	3.38e-04	-3.29	2.08e-04	-2.98e-04	0.0
164	1	0.08	-0.03	-2.24	3.20e-04	3.35e-04	0.0
164	6	1.29e-03	2.20e-04	-2.84	4.18e-04	-2.82e-04	0.0
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165	6	9.70e-04	1.09e-04	-2.11	5.91e-04	-2.41e-04	0.0
166	1	0.03	-0.04	-0.89	6.06e-04	9.55e-05	0.0
166	3	0.04	-0.03	-0.93	6.15e-04	3.37e-05	0.0
166	6	5.40e-04	3.29e-05	-1.16	7.06e-04	-1.84e-04	0.0
167	6	-0.24	-3.18e-03	-16.10	-2.62e-04	-2.67e-03	-5.40e-06
167	7	-0.11	-5.56e-03	-18.86	-2.20e-04	-1.78e-03	-4.76e-06
167	8	-0.24	0.02	-16.38	-3.45e-04	-2.72e-03	1.68e-05
168	7	-0.01	-1.76e-04	-3.22	-3.21e-03	-2.81e-04	1.81e-05
168	10	9.08e-04	2.43e-04	-1.30	-1.30e-03	-9.52e-05	-1.11e-06
169	6	-0.20	-0.02	-15.91	3.85e-04	-2.48e-03	-1.68e-05

169	7	-0.09	-9.71e-03	-18.39	5.31e-04	-1.52e-03	-7.93e-06
169	8	-0.26	-2.75e-03	-16.41	3.22e-04	-2.87e-03	-1.76e-06
170	6	-0.18	-0.02	-15.13	6.94e-04	-2.26e-03	-1.99e-05
170	7	-0.07	-0.01	-17.37	8.77e-04	-1.34e-03	-9.09e-06
170	8	-0.25	-0.01	-15.71	6.58e-04	-2.75e-03	-1.45e-05
171	6	-0.01	-3.04e-03	-2.91	-2.91e-03	-2.32e-04	1.65e-05
171	7	-0.01	-2.00e-03	-3.48	-3.46e-03	-2.45e-04	1.83e-05
172	6	-0.01	-8.10e-03	-3.14	-3.16e-03	-1.01e-04	1.71e-05
172	7	-0.01	-6.60e-03	-3.77	-3.76e-03	-1.37e-04	1.88e-05
173	6	-0.03	6.34e-03	-4.65	-2.29e-03	-6.39e-04	2.37e-05
173	7	-0.03	3.04e-03	-5.73	-2.78e-03	-7.75e-04	2.24e-05
174	7	-0.03	-4.54e-04	-6.37	-3.09e-03	-6.10e-04	2.30e-05
174	10	2.07e-03	6.14e-04	-2.59	-1.27e-03	-2.37e-04	-1.15e-06
175	6	-0.03	-7.22e-03	-5.78	-2.85e-03	-5.76e-04	2.34e-05
175	7	-0.04	-4.60e-03	-6.88	-3.32e-03	-5.85e-04	2.42e-05
176	6	-0.03	-0.02	-6.26	-3.12e-03	-5.02e-04	2.31e-05
176	7	-0.04	-0.01	-7.47	-3.63e-03	-6.80e-04	2.56e-05
177	6	-0.01	-0.01	-3.18	-3.21e-03	-1.45e-04	0.0
177	7	-0.01	-0.01	-3.82	-3.84e-03	-2.01e-04	0.0
178	6	-0.03	-0.02	-6.40	-3.21e-03	-5.26e-04	0.0
178	7	-0.04	-0.02	-7.66	-3.76e-03	-7.19e-04	0.0
179	1	0.60	-0.50	1.32	3.02e-04	6.29e-04	5.65e-06
179	4	36.80	-0.55	0.35	5.82e-04	0.04	-2.01e-03
180	1	0.87	0.79	0.91	-8.69e-04	8.99e-04	0.0
180	5	30.40	0.12	-0.42	-1.24e-04	0.04	3.38e-03
181	1	0.85	0.79	2.22	-8.48e-04	9.00e-04	-1.52e-05
181	5	34.43	0.09	0.27	-1.18e-04	0.04	2.23e-03
182	8	-2.51	-2.58	0.43	2.91e-03	-2.45e-03	-1.46e-06
182	10	-33.92	-5.80	-0.41	9.44e-03	-0.04	-3.81e-03
183	8	-8.87	-1.52	-24.86	1.88e-03	-0.01	-7.50e-03
183	9	-4.19	-1.81	-20.88	9.37e-04	-5.25e-03	2.30e-03
184	8	-21.44	-1.09	-27.19	1.20e-03	-0.03	-5.85e-03
184	9	-2.72	-1.38	-21.88	6.85e-04	-2.74e-03	2.95e-04
185	8	-21.62	-0.66	-28.30	3.94e-04	-0.03	5.56e-03
185	9	-2.41	-0.96	-22.19	1.80e-04	-2.28e-03	1.73e-04
186	6	-21.53	0.79	-26.48	-8.28e-04	-0.03	-5.46e-03
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187	8	-3.07	-1.85	-21.66	2.91e-03	-3.62e-03	-1.11e-03
187	9	-11.90	-2.36	-19.08	3.23e-03	-0.02	9.67e-03
188	6	-21.32	1.19	-24.70	-1.58e-03	-0.03	5.76e-03
188	7	-2.17	2.31	-24.51	-1.30e-03	-2.19e-03	-1.49e-04
189	6	-9.65	0.39	-27.10	-1.44e-04	-0.01	-7.00e-03
189	7	-1.94	1.26	-25.89	-2.14e-04	-1.82e-03	-9.41e-05
189	8	-3.96	0.19	-27.20	-8.14e-04	-4.71e-03	1.67e-03
190	8	-0.09	6.21e-04	-10.99	2.36e-03	-1.39e-03	-3.05e-05
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191	8	-0.09	0.01	-12.25	2.65e-03	-1.38e-03	-3.07e-05
191	9	-0.10	8.45e-03	-10.89	2.23e-03	-1.34e-03	-2.00e-05
192	1	19.65	0.30	-6.04	-6.22e-04	0.03	-6.88e-03
193	8	-0.14	-0.01	-12.51	1.83e-03	-1.79e-03	-3.17e-05
194	8	-0.14	6.01e-04	-14.14	2.09e-03	-1.81e-03	-3.19e-05
194	10	-0.02	5.00e-03	-6.57	9.72e-04	-6.74e-04	0.0
195	8	-0.14	0.01	-15.79	2.36e-03	-1.84e-03	-3.17e-05
196	8	-0.14	0.03	-17.46	2.68e-03	-1.88e-03	-3.11e-05
197	1	24.94	0.08	-7.05	-1.15e-04	0.04	-1.27e-03
197	2	6.90	0.20	-4.83	2.15e-05	0.01	6.92e-03
198	1	0.90	0.78	-0.53	-1.03e-03	1.03e-03	-8.02e-05
198	5	22.16	0.17	-1.13	-1.79e-04	0.03	8.39e-03
199	1	24.90	-0.10	-7.25	3.58e-04	0.04	1.34e-03
199	2	1.44	0.11	-4.65	1.85e-04	2.38e-03	1.48e-03
200	3	7.37	-0.63	-0.75	8.87e-04	0.01	6.70e-03
200	4	9.54	-0.33	-1.05	4.48e-04	0.01	-8.15e-03
201	8	-1.96	-2.45	-12.09	3.71e-03	-1.61e-03	-3.22e-04
201	9	-24.52	-4.28	-10.67	5.06e-03	-0.03	-4.63e-03
202	8	-2.83	-2.09	-18.58	3.75e-03	-2.71e-03	-1.29e-04
202	9	-22.12	-3.79	-16.93	4.95e-03	-0.03	8.52e-03
203	8	-2.23	-2.51	-7.05	3.10e-03	-1.92e-03	3.04e-04
203	9	-13.55	-3.25	-6.05	4.80e-03	-0.02	-6.18e-03
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204	10	-31.68	-5.13	-0.06	7.74e-03	-0.04	6.80e-03
205	8	-2.49	-2.58	3.73	2.82e-03	-2.50e-03	-2.33e-05
205	10	-23.05	-2.96	-0.80	4.94e-03	-0.02	-8.29e-03
206	7	-19.38	4.38	-11.17	-6.57e-03	-0.03	4.41e-03
207	7	-7.87	2.75	-5.70	-5.33e-03	-9.84e-03	6.58e-03
208	7	-3.23	1.23	-1.89	-3.14e-03	-2.78e-03	7.79e-04
208	10	0.39	3.10	0.23	-9.21e-04	1.77e-03	-2.65e-03



209	4	2.01	-0.06	-0.51	3.67e-04	4.88e-03	-1.38e-03
210	1	-0.02	0.04	0.91	3.09e-04	6.31e-04	4.79e-06
210	4	4.26	-0.08	-0.05	3.27e-04	5.76e-03	-1.59e-03
211	1	-0.03	0.04	1.32	2.54e-04	6.28e-04	3.84e-06
211	4	6.73	-0.10	0.35	3.08e-04	6.36e-03	-1.69e-03
212	10	-6.64	8.22	1.11	-7.07e-03	-8.03e-03	-8.96e-03
213	10	-18.21	17.39	1.73	-0.02	-0.02	-6.40e-03
214	7	-3.14	1.58	1.91	-2.13e-03	-2.39e-03	-7.58e-05
214	10	-18.01	17.79	1.75	-0.02	-0.02	6.21e-03
215	1	-0.02	-0.02	0.91	-8.94e-04	9.02e-04	-1.57e-05
215	5	2.57	0.05	-0.42	-4.29e-04	4.82e-03	1.72e-03
216	7	-3.28	1.88	1.15	-2.20e-03	-2.66e-03	-2.89e-04
216	10	-9.62	6.68	0.66	-0.01	-8.95e-03	7.73e-03
217	1	-0.05	-0.02	2.22	-8.50e-04	8.98e-04	-1.49e-05
217	5	5.31	0.03	0.27	-4.17e-04	5.43e-03	1.90e-03
218	6	-2.29	2.53	-0.09	-2.59e-03	-2.23e-03	-1.22e-05
218	10	-6.65	1.23	-1.23	-3.81e-03	-4.23e-03	1.38e-03
219	8	-0.02	0.11	0.43	2.96e-03	-2.49e-03	-2.99e-05
219	10	-2.71	-0.45	-0.41	3.35e-03	-0.01	8.48e-04
220	7	-3.58	2.70	-2.97	-2.84e-03	-3.28e-03	-2.30e-04
220	10	-6.39	0.81	-3.71	-1.36e-03	-4.31e-03	-1.71e-04
221	7	-3.63e-03	-2.58e-03	-3.17	2.23e-03	-8.91e-05	-3.48e-06
221	8	-0.02	-0.01	-3.02	2.12e-03	-2.27e-04	-1.92e-05
221	9	-0.03	-7.80e-03	-2.70	1.89e-03	-2.08e-04	-2.18e-05
222	7	-3.74e-03	-3.73e-03	-3.14	2.22e-03	-9.73e-05	0.0
222	8	-0.02	-0.02	-2.95	2.08e-03	-2.57e-04	0.0
222	9	-0.03	-0.01	-2.64	1.86e-03	-2.35e-04	0.0
223	7	-0.01	-5.84e-03	-6.23	2.12e-03	-3.32e-04	-6.15e-06
223	8	-0.05	-0.02	-5.90	1.98e-03	-8.26e-04	-2.60e-05
223	9	-0.06	-0.01	-5.28	1.76e-03	-7.48e-04	-2.32e-05
224	7	-0.01	-7.52e-03	-6.15	2.11e-03	-3.26e-04	0.0
224	8	-0.05	-0.03	-5.68	1.94e-03	-8.23e-04	0.0
224	9	-0.06	-0.02	-5.08	1.73e-03	-7.44e-04	0.0
225	7	-0.02	-8.38e-03	-9.10	1.95e-03	-5.34e-04	-8.19e-06
225	8	-0.09	-0.03	-8.56	1.79e-03	-1.30e-03	-3.00e-05
226	7	-0.02	-0.01	-8.96	1.94e-03	-5.23e-04	0.0
226	8	-0.09	-0.04	-8.21	1.75e-03	-1.29e-03	0.0
227	7	-0.03	-0.01	-11.71	1.74e-03	-7.37e-04	-9.45e-06
227	8	-0.14	-0.03	-10.92	1.56e-03	-1.74e-03	-3.13e-05
228	7	-0.03	-0.01	-11.51	1.73e-03	-7.21e-04	0.0
228	8	-0.14	-0.04	-10.45	1.52e-03	-1.72e-03	0.0
229	8	-0.09	0.03	-13.47	2.97e-03	-1.37e-03	-3.13e-05
229	9	-0.10	0.02	-12.24	2.55e-03	-1.60e-03	-1.81e-05
230	7	-0.05	-0.01	-13.74	1.50e-03	-8.97e-04	0.0
230	8	-0.18	-0.04	-12.36	1.29e-03	-2.07e-03	0.0
231	6	-0.15	0.03	-20.94	1.82e-03	-1.86e-03	-2.15e-05
231	8	-0.23	0.03	-23.95	1.81e-03	-3.21e-03	-2.91e-05
232	6	-0.15	0.01	-19.27	1.59e-03	-1.88e-03	-2.18e-05
232	8	-0.22	0.01	-21.35	1.54e-03	-2.63e-03	-2.77e-05
233	8	-0.22	3.92e-04	-19.07	1.37e-03	-2.50e-03	-2.61e-05
233	10	-0.02	5.54e-03	-8.89	6.70e-04	-9.45e-04	0.0
234	6	-0.15	-0.01	-15.72	1.18e-03	-2.01e-03	-2.19e-05
234	7	-0.06	-4.16e-03	-16.92	1.33e-03	-1.16e-03	-9.87e-06
234	8	-0.22	-1.00e-02	-16.79	1.18e-03	-2.53e-03	-2.52e-05
235	8	-0.18	0.03	-20.99	2.32e-03	-2.42e-03	-3.16e-05
236	1	0.84	0.79	2.81	-8.38e-04	9.00e-04	-1.59e-05
236	5	35.93	0.08	0.59	-9.14e-05	0.04	2.15e-03
237	3	1.39	-0.54	1.71	4.21e-04	1.47e-03	1.11e-05
237	4	39.55	-0.57	0.71	5.69e-04	0.04	-1.87e-03
238	7	-1.77	0.76	-25.43	2.94e-04	-1.66e-03	-1.25e-04
238	8	-9.64	-0.23	-28.19	-2.75e-04	-0.01	7.03e-03
239	6	-9.18	1.58	-21.81	-2.18e-03	-0.01	7.37e-03
239	7	-3.00	2.87	-22.61	-1.92e-03	-3.76e-03	-1.32e-03
240	6	-0.15	0.03	-21.45	1.90e-03	-1.86e-03	-2.14e-05
240	8	-0.23	0.03	-24.86	1.96e-03	-3.47e-03	-3.09e-05
241	6	-0.18	-0.01	-17.19	8.51e-04	-2.30e-03	-2.00e-05
241	7	-0.07	-4.07e-03	-18.60	9.95e-04	-1.36e-03	-9.12e-06
241	8	-0.25	-5.77e-03	-18.22	7.79e-04	-2.80e-03	-1.48e-05
242	6	-0.21	-8.86e-03	-18.17	4.98e-04	-2.52e-03	-1.69e-05
242	7	-0.09	-3.75e-03	-19.78	6.33e-04	-1.54e-03	-7.96e-06
242	8	-0.26	-5.54e-04	-19.03	3.53e-04	-2.92e-03	-1.70e-06
243	8	-0.25	8.11e-04	-20.74	9.03e-04	-2.74e-03	-1.53e-05
243	10	-0.02	5.52e-03	-9.73	4.85e-04	-1.07e-03	0.0
244	8	-0.26	1.55e-03	-21.67	3.88e-04	-2.89e-03	0.0
244	10	-0.02	5.29e-03	-10.29	2.77e-04	-1.15e-03	1.67e-06
245	6	-0.18	0.01	-21.30	1.20e-03	-2.23e-03	-1.99e-05
245	8	-0.26	7.40e-03	-23.21	1.02e-03	-2.88e-03	-1.65e-05

246	6	-0.21	7.48e-03	-22.73	7.53e-04	-2.52e-03	-1.69e-05
246	8	-0.27	3.60e-03	-24.28	4.51e-04	-2.99e-03	0.0
247	6	-0.18	0.02	-23.29	1.41e-03	-2.20e-03	-1.97e-05
247	8	-0.26	0.02	-26.12	1.14e-03	-3.69e-03	-1.77e-05
248	6	-0.20	0.02	-25.00	9.34e-04	-2.53e-03	-1.67e-05
248	8	-0.27	5.11e-03	-27.23	4.02e-04	-3.69e-03	2.01e-06
249	6	-0.18	0.03	-23.90	1.48e-03	-2.21e-03	-1.98e-05
249	8	-0.27	0.02	-27.19	1.21e-03	-4.27e-03	-1.91e-05
250	6	-0.20	0.02	-25.70	1.00e-03	-2.56e-03	-1.71e-05
250	8	-0.28	4.78e-03	-28.31	3.36e-04	-4.28e-03	3.59e-06
251	6	-0.03	0.02	-3.91	-1.99e-03	-5.50e-04	0.0
251	7	-0.03	0.01	-4.80	-2.43e-03	-6.87e-04	0.0
252	6	-0.03	0.02	-4.07	-2.00e-03	-6.12e-04	2.32e-05
252	7	-0.03	0.01	-5.01	-2.44e-03	-7.62e-04	2.20e-05
253	6	-0.01	0.01	-1.96	-2.03e-03	-3.05e-04	0.0
253	7	-0.01	0.01	-2.41	-2.50e-03	-3.85e-04	0.0
254	6	-0.01	7.26e-03	-2.05	-2.05e-03	-2.85e-04	1.75e-05
254	7	-0.01	4.99e-03	-2.53	-2.52e-03	-3.60e-04	1.84e-05
255	8	-0.18	0.01	-18.86	1.99e-03	-2.28e-03	-3.13e-05
256	8	-0.18	4.51e-04	-16.86	1.76e-03	-2.19e-03	-3.08e-05
256	10	-0.02	5.36e-03	-7.84	8.31e-04	-8.13e-04	-1.10e-06
257	6	-0.26	-9.97e-03	-26.48	-8.41e-04	-4.22e-03	0.0
257	8	-0.21	-0.03	-25.40	-1.51e-03	-2.53e-03	2.11e-05
258	6	-0.06	-0.03	-9.57	-3.25e-03	-9.46e-04	0.0
258	7	-0.07	-0.03	-11.33	-3.60e-03	-1.36e-03	0.0
259	6	-0.25	-9.23e-03	-25.41	-8.75e-04	-3.64e-03	1.72e-06
259	8	-0.21	-0.02	-24.70	-1.43e-03	-2.51e-03	2.10e-05
260	6	-0.06	-0.03	-9.33	-3.05e-03	-8.43e-04	2.74e-05
260	7	-0.06	-0.02	-11.00	-3.40e-03	-1.13e-03	2.52e-05
261	1	1.69	0.77	-2.34	-1.24e-03	2.66e-03	-1.38e-03
261	2	25.23	0.46	-2.40	-6.77e-04	0.04	-9.99e-04
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-33.92	-5.80	-28.31	-0.02	-0.04	-8.96e-03
		39.55	17.79	3.73	9.44e-03	0.04	9.67e-03



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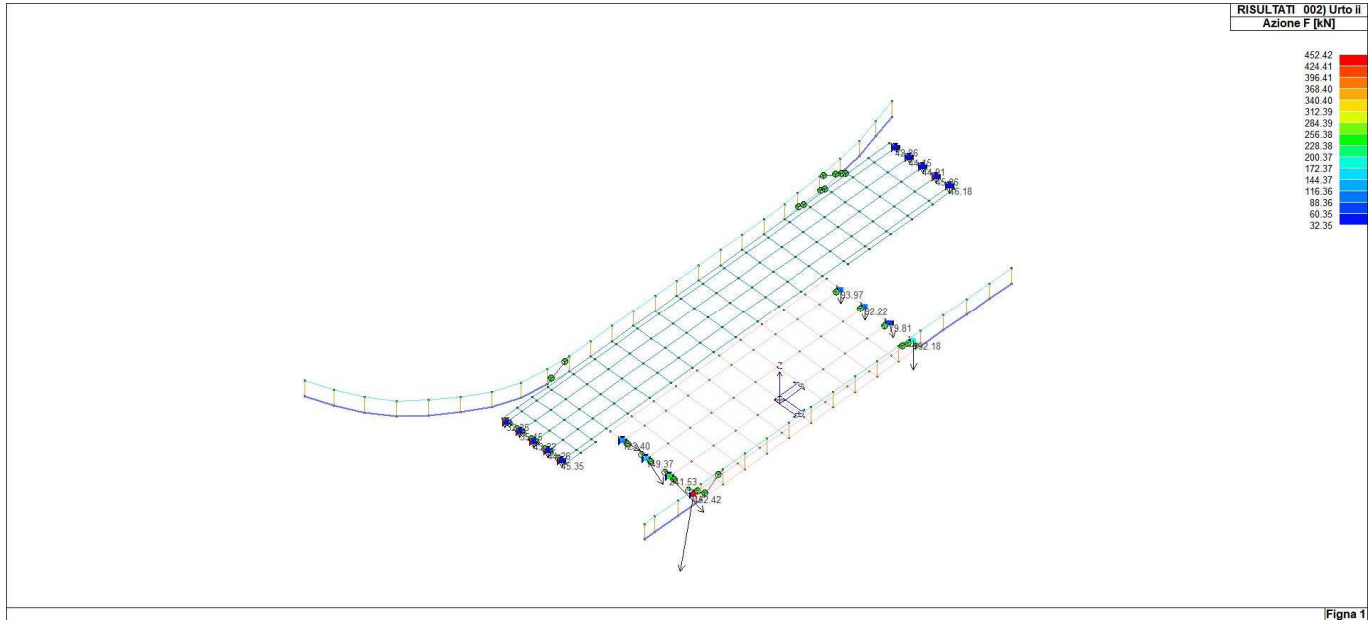
Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	1	-0.23	-12.65	-29.77	0.0	5.14	0.23
1	7	-25.06	-153.97	-179.08	0.0	-38.05	12.66
2	1	0.21	-7.80	-34.58	0.0	0.0	0.01
2	7	-35.48	-50.90	-195.74	0.0	0.0	10.75
3	1	0.21	-3.02	-43.12	0.0	0.0	0.01

3	7	-38.41	-4.48	-150.97	0.0	0.0	11.12
4	1	0.06	0.82	-44.25	0.0	0.0	0.05
4	7	-36.82	35.25	-139.89	0.0	0.0	10.90
5	1	-0.11	4.28	-45.15	0.0	0.0	0.14
5	7	-25.53	120.32	-60.95	0.0	0.0	12.36
5	10	1.34	4.21	-28.82	0.0	0.0	-0.56
6	1	45.55	142.02	-82.18	0.0	0.0	0.0
6	6	0.69	4.04	-109.72	0.0	0.0	0.0
7	1	104.83	28.17	-112.06	0.0	0.0	0.0
7	2	94.33	17.23	-114.53	0.0	0.0	0.0
7	5	-36.79	21.70	-67.97	0.0	0.0	0.0
8	1	123.41	-19.49	-80.60	0.0	0.0	0.0
8	3	60.26	-17.48	-82.28	0.0	0.0	0.0
8	5	367.42	-22.70	59.18	0.0	0.0	0.0
9	1	0.0	-152.19	-336.85	0.0	0.0	0.0
9	2	0.0	-84.68	-444.42	0.0	0.0	0.0
9	6	0.0	-7.74	-102.41	0.0	0.0	0.0
10	1	0.17	12.97	-40.85	0.0	0.0	0.0
10	9	-19.05	163.94	-172.69	0.0	0.0	0.0
11	1	0.17	7.35	-43.53	0.0	0.0	0.0
11	9	-42.03	44.89	-101.23	0.0	0.0	0.0
11	10	-24.95	15.09	-40.39	0.0	0.0	0.0
12	1	0.11	2.92	-44.82	0.0	0.0	0.0
12	9	-41.16	-0.34	-93.07	0.0	0.0	0.0
12	10	-22.29	9.06	-42.07	0.0	0.0	0.0
13	1	-0.11	-0.55	-45.06	0.0	0.0	-0.11
13	9	-55.97	-40.30	-91.11	0.0	0.0	-18.61
13	10	-26.71	4.33	-42.68	0.0	0.0	-8.39
14	1	-0.01	-4.03	-46.00	0.0	0.0	0.0
14	7	-1.41	-41.18	-49.35	0.0	0.0	0.0
14	10	-8.52	-23.75	-23.37	0.0	0.0	0.0
18	1	0.0	0.0	-326.14	0.0	0.0	0.0
18	3	0.0	0.0	-450.85	0.0	0.0	0.0
18	6	0.0	0.0	-109.26	0.0	0.0	0.0
19	1	128.28	0.0	-71.73	0.0	0.0	0.0
19	2	30.96	0.0	-73.56	0.0	0.0	0.0
19	4	173.64	0.0	67.37	0.0	0.0	0.0
20	1	0.0	0.0	-108.16	0.0	0.0	0.0
20	3	0.0	0.0	-121.60	0.0	0.0	0.0
20	4	0.0	0.0	-69.73	0.0	0.0	0.0
21	1	0.0	0.0	-86.11	0.0	0.0	0.0
21	6	0.0	0.0	-112.67	0.0	0.0	0.0
<b>Nodo</b>		<b>Azione X</b>	<b>Azione Y</b>	<b>Azione Z</b>	<b>Azione RX</b>	<b>Azione RY</b>	<b>Azione RZ</b>
		-55.97	-153.97	-450.85	0.0	-38.05	-18.61
		367.42	163.94	67.37	0.0	5.14	12.66

<b>Nodo</b>	<b>Cmb</b>	<b>Azione X</b> kN	<b>Azione Y</b> kN	<b>Azione Z</b> kN	<b>Azione RX</b> kN m	<b>Azione RY</b> kN m	<b>Azione RZ</b> kN m
1	7	-25.06	-153.97	-179.08	0.0	-38.05	12.66
	1	-0.23	-12.65	-29.77	0.0	5.14	0.23
	1	-0.23	-12.65	-29.77	0.0	5.14	0.23
	1	-0.23	-12.65	-29.77	0.0	5.14	0.23
	7	-25.06	-153.97	-179.08	0.0	-38.05	12.66
	1	-0.23	-12.65	-29.77	0.0	5.14	0.23
2	7	-35.48	-50.90	-195.74	0.0	0.0	10.75
	1	0.21	-7.80	-34.58	0.0	0.0	0.01
	1	0.21	-7.80	-34.58	0.0	0.0	0.01
	1	0.21	-7.80	-34.58	0.0	0.0	0.01
	1	0.21	-7.80	-34.58	0.0	0.0	0.01
	1	0.21	-7.80	-34.58	0.0	0.0	0.01
3	7	-38.41	-4.48	-150.97	0.0	0.0	11.12
	1	0.21	-3.02	-43.12	0.0	0.0	0.01
	1	0.21	-3.02	-43.12	0.0	0.0	0.01
	1	0.21	-3.02	-43.12	0.0	0.0	0.01
	1	0.21	-3.02	-43.12	0.0	0.0	0.01
	1	0.21	-3.02	-43.12	0.0	0.0	0.01
4	7	-36.82	35.25	-139.89	0.0	0.0	10.90
	1	0.06	0.82	-44.25	0.0	0.0	0.05
	1	0.06	0.82	-44.25	0.0	0.0	0.05
	1	0.06	0.82	-44.25	0.0	0.0	0.05
	1	0.06	0.82	-44.25	0.0	0.0	0.05
	1	0.06	0.82	-44.25	0.0	0.0	0.05
5	7	-25.53	120.32	-60.95	0.0	0.0	12.36
	10	1.34	4.21	-28.82	0.0	0.0	-0.56
	1	-0.11	4.28	-45.15	0.0	0.0	0.14

6	1	-0.11	4.28	-45.15	0.0	0.0	0.14
	1	-0.11	4.28	-45.15	0.0	0.0	0.14
	1	-0.11	4.28	-45.15	0.0	0.0	0.14
	6	0.69	4.04	-109.72	0.0	0.0	0.0
	1	45.55	142.02	-82.18	0.0	0.0	0.0
	1	45.55	142.02	-82.18	0.0	0.0	0.0
7	1	45.55	142.02	-82.18	0.0	0.0	0.0
	1	45.55	142.02	-82.18	0.0	0.0	0.0
	2	94.33	17.23	-114.53	0.0	0.0	0.0
	5	-36.79	21.70	-67.97	0.0	0.0	0.0
	1	104.83	28.17	-112.06	0.0	0.0	0.0
	1	104.83	28.17	-112.06	0.0	0.0	0.0
8	1	104.83	28.17	-112.06	0.0	0.0	0.0
	1	104.83	28.17	-112.06	0.0	0.0	0.0
	3	60.26	-17.48	-82.28	0.0	0.0	0.0
	5	367.42	-22.70	59.18	0.0	0.0	0.0
	1	123.41	-19.49	-80.60	0.0	0.0	0.0
	1	123.41	-19.49	-80.60	0.0	0.0	0.0
9	1	123.41	-19.49	-80.60	0.0	0.0	0.0
	1	123.41	-19.49	-80.60	0.0	0.0	0.0
	2	0.0	-84.68	-444.42	0.0	0.0	0.0
	6	0.0	-7.74	-102.41	0.0	0.0	0.0
	1	0.0	-152.19	-336.85	0.0	0.0	0.0
	1	0.0	-152.19	-336.85	0.0	0.0	0.0
10	1	0.0	-152.19	-336.85	0.0	0.0	0.0
	9	-19.05	163.94	-172.69	0.0	0.0	0.0
	1	0.17	12.97	-40.85	0.0	0.0	0.0
	1	0.17	12.97	-40.85	0.0	0.0	0.0
	1	0.17	12.97	-40.85	0.0	0.0	0.0
	1	0.17	12.97	-40.85	0.0	0.0	0.0
11	1	0.17	12.97	-40.85	0.0	0.0	0.0
	9	-42.03	44.89	-101.23	0.0	0.0	0.0
	10	-24.95	15.09	-40.39	0.0	0.0	0.0
	1	0.17	7.35	-43.53	0.0	0.0	0.0
	1	0.17	7.35	-43.53	0.0	0.0	0.0
	1	0.17	7.35	-43.53	0.0	0.0	0.0
12	1	0.17	7.35	-43.53	0.0	0.0	0.0
	9	-41.16	-0.34	-93.07	0.0	0.0	0.0
	10	-22.29	9.06	-42.07	0.0	0.0	0.0
	1	0.11	2.92	-44.82	0.0	0.0	0.0
	1	0.11	2.92	-44.82	0.0	0.0	0.0
	1	0.11	2.92	-44.82	0.0	0.0	0.0
13	1	0.11	2.92	-44.82	0.0	0.0	0.0
	9	-55.97	-40.30	-91.11	0.0	0.0	-18.61
	10	-26.71	4.33	-42.68	0.0	0.0	-8.39
	1	-0.11	-0.55	-45.06	0.0	0.0	-0.11
	1	-0.11	-0.55	-45.06	0.0	0.0	-0.11
	1	-0.11	-0.55	-45.06	0.0	0.0	-0.11
14	1	-0.11	-0.55	-45.06	0.0	0.0	-0.11
	7	-1.41	-41.18	-49.35	0.0	0.0	0.0
	10	-8.52	-23.75	-23.37	0.0	0.0	0.0
	1	-0.01	-4.03	-46.00	0.0	0.0	0.0
	1	-0.01	-4.03	-46.00	0.0	0.0	0.0
	1	-0.01	-4.03	-46.00	0.0	0.0	0.0
18	1	-0.01	-4.03	-46.00	0.0	0.0	0.0
	3	0.0	0.0	-450.85	0.0	0.0	0.0
	6	0.0	0.0	-109.26	0.0	0.0	0.0
	1	0.0	0.0	-326.14	0.0	0.0	0.0
	1	0.0	0.0	-326.14	0.0	0.0	0.0
	1	0.0	0.0	-326.14	0.0	0.0	0.0
19	1	0.0	0.0	-326.14	0.0	0.0	0.0
	2	30.96	0.0	-73.56	0.0	0.0	0.0
	4	173.64	0.0	67.37	0.0	0.0	0.0
	1	128.28	0.0	-71.73	0.0	0.0	0.0
	1	128.28	0.0	-71.73	0.0	0.0	0.0
	1	128.28	0.0	-71.73	0.0	0.0	0.0
20	1	128.28	0.0	-71.73	0.0	0.0	0.0
	3	0.0	0.0	-121.60	0.0	0.0	0.0
	4	0.0	0.0	-69.73	0.0	0.0	0.0
	1	0.0	0.0	-108.16	0.0	0.0	0.0
	1	0.0	0.0	-108.16	0.0	0.0	0.0
	1	0.0	0.0	-108.16	0.0	0.0	0.0
21	1	0.0	0.0	-108.16	0.0	0.0	0.0
	6	0.0	0.0	-112.67	0.0	0.0	0.0
	1	0.0	0.0	-86.11	0.0	0.0	0.0

1	0.0	0.0	-86.11	0.0	0.0	0.0
1	0.0	0.0	-86.11	0.0	0.0	0.0
1	0.0	0.0	-86.11	0.0	0.0	0.0
1	0.0	0.0	-86.11	0.0	0.0	0.0



42\_RIS\_REAZIONI\_002\_Urto ii

# RISULTATI OPERE DI FONDAZIONE

## LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

In particolare viene riportato:

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

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

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

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

In particolare viene riportato:

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

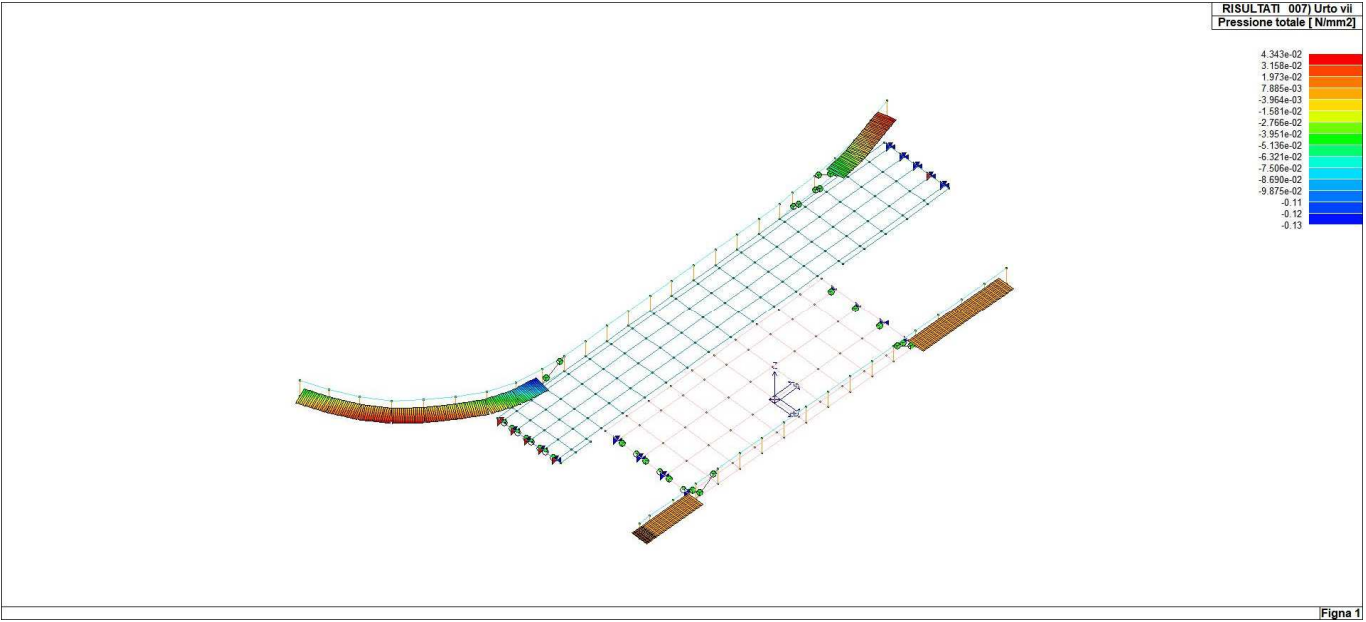
La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

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.

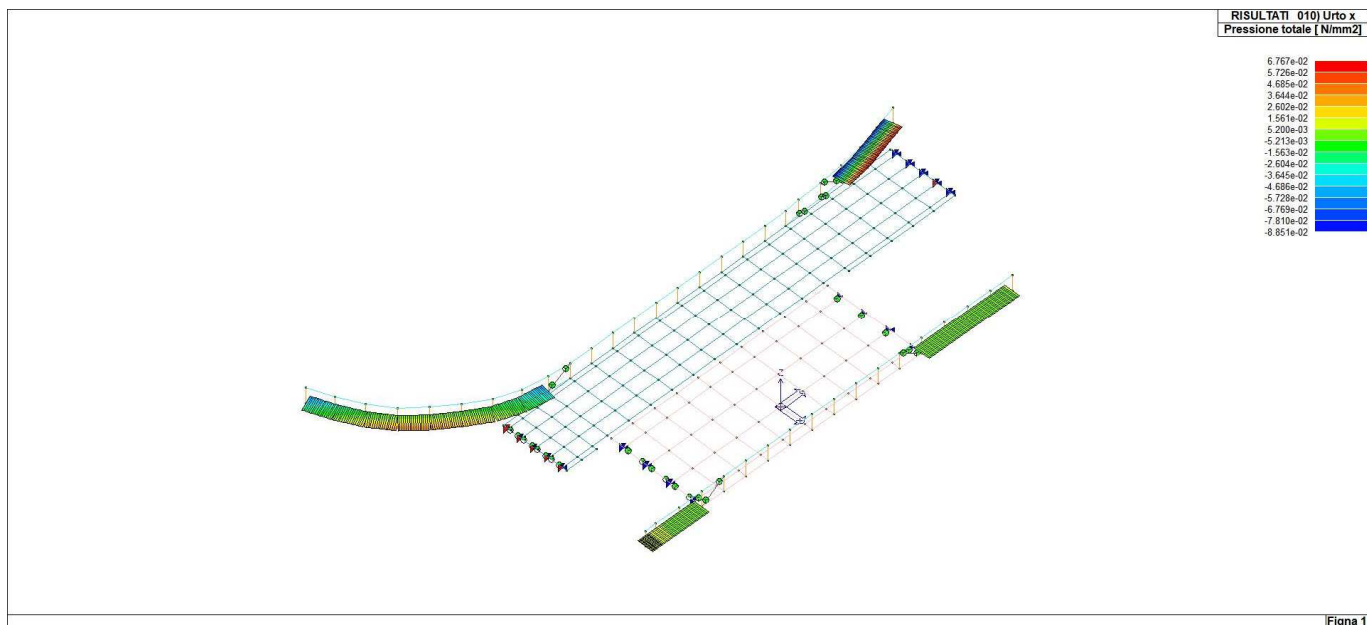
Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

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
2	7	0.03	-0.05	-0.05						
3	7	-0.04	-0.08	-0.08						
4	7	-0.08	-0.13	-0.13						
5	9	-0.07	-0.10	-0.10						
6	10	-0.08	-0.07	-0.08						
11	5	-0.03	-0.03	-0.03						
12	5	0.03	-0.03	0.03						
13	6	8.80e-03	7.14e-03	8.80e-03						
27	4	-0.03	-0.03	-0.03						
28	4	-0.03	-0.03	-0.03						
177	4	-0.03	0.04	0.04						
185	6	4.36e-03	5.32e-03	5.32e-03						
188	10	-0.07	-0.07	-0.07						
189	6	0.03	-0.02	0.03						
192	10	-0.05	-0.03	-0.05						
193	10	-0.03	0.03	-0.03						
194	1	9.22e-03	0.01	0.01						
195	1	0.01	8.51e-03	0.01						
<b>Elem.</b>		<b>Pt ini</b>	<b>Pt fin</b>	<b>Pt max</b>	<b>Pt ini</b>	<b>Pt fin</b>	<b>Pt max</b>	<b>Pt ini</b>	<b>Pt fin</b>	<b>Pt max</b>
		-0.13								
		0.04								



46\_RIS\_PRESSIONI\_007\_Urto vii



46\_RIS\_PRESSIONI\_010\_Urto x



# 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 **pilaastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

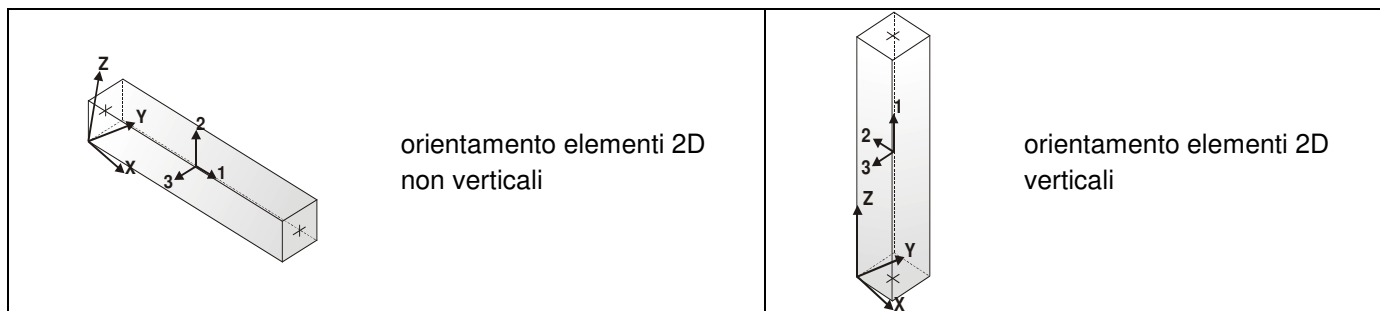
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
129	1	-1.56	1.50	-1.66e-03	0.0	0.0	24.20	-1.89	-2.86	-0.55	1.50	-1.56
		-3.44	-1.36	-7.88e-04	0.0	100.0	24.20	-1.89	-2.86	-0.55	-1.36	-3.44
129	2	4.08	1.22	-0.03	0.0	0.0	19.77	103.41	-2.11	-0.40	1.22	-99.33
		-99.33	-0.89	-4.68e-04	0.0	100.0	19.77	103.41	-2.11	-0.40	-0.89	4.08
129	6	9.56e-04	0.46	4.27e-05	0.0	0.0	7.46	0.02	-0.87	0.02	0.46	-0.02
		-0.02	-0.42	-2.29e-04	0.0	100.0	7.46	0.02	-0.87	0.02	-0.42	9.56e-04
130	1	-4.74	1.72	-6.98e-03	0.0	0.0	0.52	17.36	-3.26	-2.78	1.72	-22.10
		-22.10	-1.55	-5.88e-04	0.0	100.0	0.52	17.36	-3.26	-2.78	-1.55	-4.74
130	2	4.11	0.83	-0.02	0.0	0.0	0.81	103.09	-1.39	0.56	0.83	-98.97
		-98.97	-0.56	-3.36e-04	0.0	100.0	0.81	103.09	-1.39	0.56	-0.56	4.11
130	5	-1.44	0.21	-1.94e-03	0.0	0.0	0.14	-2.17	-0.40	0.70	0.21	-1.44
		-3.61	-0.19	-2.22e-04	0.0	100.0	0.14	-2.17	-0.40	0.70	-0.19	-3.61
131	1	4.80	1.39	-0.02	0.0	0.0	0.39	82.71	-2.50	-2.78	1.39	-77.90
		-77.90	-1.11	-3.15e-04	0.0	100.0	0.39	82.71	-2.50	-2.78	-1.11	4.80
131	2	4.78	0.11	-0.02	0.0	0.0	0.33	82.72	-0.04	2.80	0.11	-77.94
		-77.94	0.07	-2.39e-04	0.0	100.0	0.33	82.72	-0.04	2.80	0.07	4.78
131	3	0.37	1.14	-4.72e-04	0.0	0.0	0.07	-1.18	-2.19	-0.07	1.14	0.37
		-0.82	-1.05	-2.53e-04	0.0	100.0	0.07	-1.18	-2.19	-0.07	-1.05	-0.82
132	1	-1.54	1.96	-1.48e-03	0.0	0.0	0.46	-1.92	4.02	0.60	-2.07	-1.54
		-3.46	-2.07	4.51e-04	0.0	100.0	0.46	-1.92	4.02	0.60	1.96	-3.46
132	3	4.21	1.22	-0.02	0.0	0.0	0.98	103.13	2.26	0.51	-1.05	-98.92
		-98.92	-1.05	6.67e-04	0.0	100.0	0.98	103.13	2.26	0.51	1.22	4.21
132	4	0.23	0.35	-1.10e-03	0.0	0.0	0.11	-1.23	0.72	-0.20	-0.37	0.23
		-1.00	-0.37	1.89e-04	0.0	100.0	0.11	-1.23	0.72	-0.20	0.35	-1.00
133	1	0.13	1.57	-5.88e-04	0.0	0.0	25.20	-0.96	3.30	0.04	-1.72	0.13
		-0.82	-1.72	5.89e-04	0.0	100.0	25.20	-0.96	3.30	0.04	1.57	-0.82
133	3	4.74	1.34	-0.02	0.0	0.0	24.00	82.88	2.62	2.72	-1.28	-78.14
		-78.14	-1.28	7.66e-04	0.0	100.0	24.00	82.88	2.62	2.72	1.34	4.74
133	6	6.36e-03	0.49	7.78e-05	0.0	0.0	8.03	0.05	1.04	-0.02	-0.54	-0.05
		-0.05	-0.54	1.83e-04	0.0	100.0	8.03	0.05	1.04	-0.02	0.49	6.36e-03
134	1	0.02	0.05	5.30e-05	0.0	0.0	-0.04	-0.03	0.10	4.31e-04	-0.06	0.02
		-0.02	-0.06	8.48e-04	0.0	100.0	-0.04	-0.03	0.10	4.31e-04	0.05	-0.02
134	9	0.55	1.74	8.23e-03	0.0	0.0	-2.03	-0.99	3.88	0.02	-2.14	0.55
		-0.44	-2.14	2.71e-03	0.0	100.0	-2.03	-0.99	3.88	0.02	1.74	-0.44
134	10	20.16	6.03	0.02	0.0	0.0	-4.89	-13.44	10.60	-3.69	-4.57	20.16
		6.72	-4.57	2.19e-03	0.0	100.0	-4.89	-13.44	10.60	-3.69	6.03	6.72
135	9	0.04	2.42	8.17e-03	0.0	0.0	0.44	-0.08	4.97	0.01	-2.55	0.04
		-0.03	-2.55	2.67e-03	0.0	100.0	0.44	-0.08	4.97	0.01	2.42	-0.03
135	10	79.76	5.59	0.03	100.00	0.0	-3.24	-90.41	5.66	-1.89	-0.07	79.76
		-10.65	-0.07	5.35e-03	0.0	100.0	-3.24	9.59	5.66	-1.89	5.59	-10.65
136	7	-0.20	0.83	7.80e-04	0.0	0.0	9.72e-03	-0.08	1.79	0.04	-0.96	-0.20
		-0.28	-0.96	1.80e-03	0.0	100.0	9.72e-03	-0.08	1.79	0.04	0.83	-0.28
136	9	2.57	2.59	8.66e-03	0.0	0.0	0.34	1.91	5.20	-0.43	-2.60	0.67
		0.67	-2.60	2.77e-03	0.0	100.0	0.34	1.91	5.20	-0.43	2.59	2.57
136	10	75.92	3.41	0.03	0.0	0.0	9.87	-85.39	2.82	2.40	0.58	75.92
		-9.47	0.58	5.02e-03	0.0	100.0	9.87	-85.39	2.82	2.40	3.41	-9.47
137	1	-0.03	0.37	-9.09e-05	0.0	0.0	-0.32	0.45	0.74	0.06	-0.37	-0.49
		-0.49	-0.37	8.20e-04	0.0	100.0	-0.32	0.45	0.74	0.06	0.37	-0.49
137	8	-0.09	1.43	2.12e-03	0.0	0.0	-0.65	1.37	2.90	0.14	-1.48	-1.46
		-1.46	-1.48	2.60e-03	0.0	100.0	-0.65	1.37	2.90	0.14	1.43	-0.09
137	9	19.79	2.96	0.01	0.0	0.0	-2.64	-16.68	5.01	-2.44	-2.05	19.79
		3.11	-2.05	3.38e-03	0.0	100.0	-2.64	-16.68	5.01	-2.44	2.96	3.11
137	10	17.18	1.47	0.02	0.0	0.0	-2.65	-13.86	2.46	3.12	-0.99	17.18
		3.33	-0.99	3.12e-03	0.0	100.0	-2.65	-13.86	2.46	3.12	1.47	3.33
138	1	0.12	1.21	-2.55e-04	0.0	0.0	15.84	0.93	2.55	-0.02	-1.34	-0.81
		-0.81	-1.34	7.93e-04	0.0	100.0	15.84	0.93	2.55	-0.02	1.21	0.12
138	8	0.62	3.63	1.82e-03	0.0	0.0	51.08	3.62	7.67	-0.12	-4.04	-3.00
		-3.00	-4.04	2.52e-03	0.0	100.0	51.08	3.62	7.67	-0.12	3.63	0.62
138	9	70.15	1.19	0.02	0.0	0.0	68.57	-78.94	1.68	-1.83	-0.49	70.15
		-8.79	-0.49	4.36e-03	0.0	100.0	68.57	-78.94	1.68	-1.83	1.19	-8.79
139	7	0.71	4.60	7.01e-04	0.0	0.0	-1.14	-1.80	9.51	0.12	-4.90	0.71
		-1.09	-4.90	1.31e-03	0.0	100.0	-1.14	-1.80	9.51	0.12	4.60	-1.09
139	8	0.55	4.65	2.67e-03	0.0	0.0	-0.92	-0.65	9.55	-0.04	-4.90	0.55
		-0.10	-4.90	2.14e-03	0.0	100.0	-0.92	-0.65	9.55	-0.04	4.65	-0.10
139	9	67.53	1.86	0.02	0.0	0.0	-13.98	-76.35	2.55	3.38	-0.69	67.53
		-8.82	-0.69	3.84e-03	0.0	100.0	-13.98	-76.35	2.55	3.38	1.86	-8.82
139	10	0.24	1.39	5.64e-03	0.0	0.0	0.30	0.24	2.84	0.95	-1.45	5.64e-03
		5.64e-03	-1.45	1.76e-03	0.0	100.0	0.30	0.24	2.84	0.95	1.39	0.24
140	1	0.11	0.96	-3.61e-04	0.0	0.0	1.64	0.92	1.97	0.07	-1.01	-0.81
		-0.81	-1.01	5.64e-04	0.0	100.0	1.64	0.92	1.97	0.07	0.96	0.11
140	7	0.33	3.57	1.55e-04	0.0	0.0	4.05	2.79	7.34	0.18	-3.77	-2.46
		-2.46	-3.77	9.90e-04	0.0	100.0	4.05	2.79	7.34	0.18	3.57	0.33
140	9	28.30	1.26	0.01	0.0	0.0	16.58	-25.08	1.53	3.87	-0.27	28.30

		3.22	-0.27	2.39e-03	0.0	100.0	16.58	-25.08	1.53	3.87	1.26	3.22
141	1	0.09	0.44	-3.06e-04	0.0	0.0	-0.26	0.95	0.94	-0.05	-0.49	-0.86
		-0.86	-0.49	4.35e-04	0.0	100.0	-0.26	0.95	0.94	-0.05	0.44	0.09
141	7	0.26	2.79	4.24e-04	0.0	0.0	-0.95	2.81	5.85	-0.21	-3.05	-2.55
		-2.55	-3.05	6.00e-04	0.0	100.0	-0.95	2.81	5.85	-0.21	2.79	0.26
141	8	19.72	0.94	8.65e-03	0.0	0.0	-0.60	-15.67	1.96	-3.02	-1.02	19.72
		4.05	-1.02	1.55e-03	0.0	100.0	-0.60	-15.67	1.96	-3.02	0.94	4.05
141	9	4.54	2.38	4.05e-03	0.0	0.0	-4.26	3.54	-4.78	0.93	2.38	1.00
		1.00	-2.40	1.82e-03	0.0	100.0	-4.26	3.54	-4.78	0.93	-2.40	4.54
142	7	-0.19	3.01	1.10e-03	0.0	0.0	0.06	0.37	6.25	-0.14	-3.24	-0.56
		-0.56	-3.24	1.75e-04	0.0	100.0	0.06	0.37	6.25	-0.14	3.01	-0.19
142	8	75.28	0.25	0.02	0.0	0.0	0.84	-83.78	0.50	-2.36	-0.26	75.28
		-8.50	-0.26	1.11e-03	0.0	100.0	0.84	-83.78	0.50	-2.36	0.25	-8.50
142	10	0.09	0.43	1.61e-03	0.0	0.0	0.01	0.40	-0.82	0.04	0.43	-0.31
		-0.31	-0.39	6.36e-04	0.0	100.0	0.01	0.40	-0.82	0.04	-0.39	0.09
143	7	-0.04	3.06	1.47e-03	0.0	0.0	-0.05	-0.07	6.37	-0.07	-3.31	-0.04
		-0.11	-3.31	-3.21e-04	0.0	100.0	-0.05	-0.07	6.37	-0.07	3.06	-0.11
143	8	75.92	0.83	0.02	0.0	0.0	0.92	-84.30	-1.61	2.25	0.83	75.92
		-8.39	-0.78	6.61e-04	0.0	100.0	0.92	-84.30	-1.61	2.25	-0.78	-8.39
143	10	0.01	0.29	1.45e-03	0.0	0.0	-0.08	-8.48e-03	-0.57	0.04	0.29	0.01
		3.54e-03	-0.27	3.25e-04	0.0	100.0	-0.08	-8.48e-03	-0.57	0.04	-0.27	3.54e-03
144	1	-3.49e-03	0.05	-7.32e-05	0.0	0.0	0.15	-7.68e-03	-0.10	4.52e-04	0.05	-3.49e-03
		-0.01	-0.05	2.04e-05	0.0	100.0	0.15	-7.68e-03	-0.10	4.52e-04	-0.05	-0.01
144	7	-0.02	3.08	1.68e-03	0.0	0.0	0.02	-0.02	6.40	-0.05	-3.32	-0.02
		-0.04	-3.32	-7.53e-04	0.0	100.0	0.02	-0.02	6.40	-0.05	3.08	-0.04
144	8	22.70	1.56	9.38e-03	0.0	0.0	0.02	-18.89	-3.02	2.84	1.56	22.70
		3.81	-1.46	2.32e-04	0.0	100.0	0.02	-18.89	-3.02	2.84	-1.46	3.81
144	10	0.04	0.14	1.31e-03	0.0	0.0	-0.14	-0.03	-0.27	0.03	0.14	0.04
		0.01	-0.13	1.80e-05	0.0	100.0	-0.14	-0.03	-0.27	0.03	-0.13	0.01
145	6	22.59	0.72	9.41e-03	0.0	0.0	0.36	-18.81	1.48	-2.83	-0.77	22.59
		3.78	-0.77	-3.89e-04	0.0	100.0	0.36	-18.81	1.48	-2.83	0.72	3.78
145	7	-0.02	3.05	1.83e-03	0.0	0.0	0.03	5.49e-03	6.35	-0.04	-3.29	-0.02
		-0.02	-3.29	-1.25e-03	0.0	100.0	0.03	5.49e-03	6.35	-0.04	3.05	-0.02
145	10	0.01	0.01	1.20e-03	0.0	0.0	-0.07	2.61e-04	0.03	0.02	-0.01	0.01
		0.01	-0.01	-2.90e-04	0.0	100.0	-0.07	2.61e-04	0.03	0.02	0.01	0.01
146	6	75.83	0.09	0.02	0.0	0.0	0.84	-84.16	-0.17	-2.21	0.09	75.83
		-8.33	-0.08	-8.04e-04	0.0	100.0	0.84	-84.16	-0.17	-2.21	-0.08	-8.33
146	7	0.07	3.01	1.94e-03	0.0	0.0	0.01	0.17	6.26	-0.02	-3.25	-0.10
		-0.10	-3.25	-1.77e-03	0.0	100.0	0.01	0.17	6.26	-0.02	3.01	0.07
146	10	3.72e-03	0.14	1.12e-03	0.0	0.0	-0.09	-4.40e-03	0.29	0.02	-0.15	3.72e-03
		-6.76e-04	-0.15	-5.97e-04	0.0	100.0	-0.09	-4.40e-03	0.29	0.02	0.14	-6.76e-04
147	6	75.60	1.14	0.02	0.0	0.0	0.85	-83.94	-2.21	2.32	1.14	75.60
		-8.34	-1.07	-1.21e-03	0.0	100.0	0.85	-83.94	-2.21	2.32	-1.07	-8.34
147	7	0.72	2.97	2.06e-03	0.0	0.0	-0.05	1.07	6.17	-0.06	-3.20	-0.35
		-0.35	-3.20	-2.31e-03	0.0	100.0	-0.05	1.07	6.17	-0.06	2.97	0.72
147	10	0.02	0.29	1.04e-03	0.0	0.0	-0.12	-0.07	0.61	0.02	-0.31	0.02
		-0.05	-0.31	-9.00e-04	0.0	100.0	-0.12	-0.07	0.61	0.02	0.29	-0.05
148	6	22.64	1.82	8.98e-03	0.0	0.0	-1.01e-03	-19.08	-3.51	2.97	1.82	22.64
		3.56	-1.69	-1.61e-03	0.0	100.0	-1.01e-03	-19.08	-3.51	2.97	-1.69	3.56
148	7	2.97	2.87	2.89e-03	0.0	0.0	0.53	1.56	5.98	-0.54	-3.12	1.41
		1.41	-3.12	-2.88e-03	0.0	100.0	0.53	1.56	5.98	-0.54	2.87	2.97
148	9	-0.13	2.42	9.20e-04	0.0	0.0	-0.27	-5.25e-03	-4.65	0.10	2.42	-0.13
		-0.14	-2.23	-8.32e-04	0.0	100.0	-0.27	-5.25e-03	-4.65	0.10	-2.23	-0.14
148	10	-0.11	0.49	9.13e-04	0.0	0.0	-0.13	-0.10	1.02	0.05	-0.53	-0.11
		-0.21	-0.53	-1.21e-03	0.0	100.0	-0.13	-0.10	1.02	0.05	0.49	-0.21
149	6	3.42	2.02	2.70e-03	0.0	0.0	0.22	3.49	-3.94	0.93	2.02	-0.07
		-0.07	-1.92	-1.99e-03	0.0	100.0	0.22	3.49	-3.94	0.93	-1.92	3.42
149	7	19.66	3.12	7.62e-03	0.0	0.0	-3.28	-16.12	6.32	-2.45	-3.20	19.66
		3.54	-3.20	-3.47e-03	0.0	100.0	-3.28	-16.12	6.32	-2.45	3.12	3.54
149	10	-0.25	0.78	5.29e-04	0.0	0.0	-0.49	1.37	1.61	0.18	-0.83	-1.62
		-1.62	-0.83	-1.51e-03	0.0	100.0	-0.49	1.37	1.61	0.18	0.78	-1.62
150	6	1.60	2.43	8.98e-04	0.0	0.0	62.47	5.93	-4.66	0.05	2.43	-4.33
		-4.33	-2.23	-2.36e-03	0.0	100.0	62.47	5.93	-4.66	0.05	-2.23	1.60
150	7	66.98	0.06	0.02	0.0	0.0	87.38	-74.32	1.07	-2.21	-1.01	66.98
		-7.34	-1.01	-4.08e-03	0.0	100.0	87.38	-74.32	1.07	-2.21	0.06	-7.34
150	10	0.03	0.69	1.86e-04	0.0	0.0	-2.70	5.26	1.39	0.08	-0.70	-5.23
		-5.23	-0.70	-1.83e-03	0.0	100.0	-2.70	5.26	1.39	0.08	0.69	0.03
151	6	-0.15	2.35	1.57e-03	0.0	0.0	-1.25	2.50	-4.48	-0.26	2.35	-2.64
		-2.64	-2.13	-2.48e-03	0.0	100.0	-1.25	2.50	-4.48	-0.26	-2.13	-0.15
151	7	68.41	1.84	0.02	0.0	0.0	-0.97	-77.42	-5.68	1.80	1.84	68.41
		-9.01	-3.84	-4.42e-03	0.0	100.0	-0.97	-77.42	-5.68	1.80	-3.84	-9.01
151	10	-0.33	0.66	-3.75e-04	0.0	0.0	0.05	9.64	0.97	0.23	-0.31	-9.97
		-9.97	-0.31	-2.12e-03	0.0	100.0	0.05	9.64	0.97	0.23	0.66	-0.33
152	7	14.54	4.88	7.55e-03	0.0	0.0	1.39	-12.19	-10.77	2.66	4.88	14.54
		2.36	-5.89	-2.80e-03	0.0	100.0	1.39	-12.19	-10.77	2.66	-5.89	2.36
152	10	2.70	2.34	-1.81e-03	0.0	0.0	-3.88	20.92	3.65	0.31	-1.31	-18.22
		-18.22	-1.31	-2.26e-03	0.0	100.0	-3.88	20.92	3.65	0.31	2.34	2.70

153	1	0.25	0.14	6.68e-04	0.0	0.0	-0.17	-0.36	-0.28	-0.01	0.14	0.25
		-0.11	-0.14	-9.03e-04	0.0	100.0	-0.17	-0.36	-0.28	-0.01	-0.14	-0.11
153	7	1.15	6.53	2.95e-03	0.0	0.0	-2.93	4.89	-12.30	0.30	6.53	-3.74
		-3.74	-5.77	-1.30e-03	0.0	100.0	-2.93	4.89	-12.30	0.30	-5.77	1.15
153	10	8.26	4.08	-1.36e-03	0.0	0.0	-3.82	28.26	6.95	-0.93	-2.87	-20.00
		-20.00	-2.87	-2.86e-03	0.0	100.0	-3.82	28.26	6.95	-0.93	4.08	8.26
154	7	-1.48	4.94	2.99e-03	0.0	0.0	0.41	-0.57	-8.62	-0.13	4.94	-1.48
		-2.04	-3.68	-1.50e-03	0.0	100.0	0.41	-0.57	-8.62	-0.13	-3.68	-2.04
154	8	0.06	0.13	2.04e-03	0.0	0.0	-0.22	-0.16	-0.24	-3.19e-03	0.13	0.06
		-0.10	-0.11	-2.39e-03	0.0	100.0	-0.22	-0.16	-0.24	-3.19e-03	-0.11	-0.10
154	10	8.38	5.93	5.24e-03	0.0	0.0	0.43	1.70	16.06	-3.50	-10.13	6.68
		6.68	-10.13	-7.71e-03	0.0	100.0	0.43	1.70	16.06	-3.50	5.93	8.38
155	7	-0.40	4.19	3.04e-03	0.0	0.0	-0.30	-2.15	-7.18	0.01	4.19	-0.40
		-2.55	-2.99	-1.68e-03	0.0	100.0	-0.30	-2.15	-7.18	0.01	-2.99	-2.55
155	10	59.68	8.73	0.02	0.0	0.0	5.86	-64.69	32.12	-2.50	-23.39	59.68
		-5.01	-23.39	-0.02	0.0	100.0	5.86	-64.69	32.12	-2.50	8.73	-5.01
156	7	-0.12	3.76	2.97e-03	0.0	0.0	-0.53	-2.25	-6.17	-0.04	3.76	-0.12
		-2.37	-2.41	-1.73e-03	0.0	100.0	-0.53	-2.25	-6.17	-0.04	-2.41	-2.37
156	10	61.05	3.40	0.02	0.0	0.0	11.69	-72.08	24.33	2.53	-20.92	61.05
		-11.03	-20.92	-0.02	0.0	100.0	11.69	-72.08	24.33	2.53	3.40	-11.03
157	6	-0.01	0.11	2.26e-03	0.0	0.0	0.11	-0.05	-0.17	0.01	0.11	-0.01
		-0.07	-0.06	-2.59e-03	0.0	100.0	0.11	-0.05	-0.17	0.01	-0.06	-0.07
157	7	1.08	2.93	3.12e-03	0.0	0.0	-0.20	-3.54	-4.61	-0.12	2.93	1.08
		-2.46	-1.67	-2.05e-03	0.0	100.0	-0.20	-3.54	-4.61	-0.12	-1.67	-2.46
157	10	24.19	-0.20	7.76e-03	0.0	0.0	-2.45	-31.30	-7.67	3.10	-0.20	24.19
		-7.11	-7.87	-5.83e-03	0.0	100.0	-2.45	-31.30	-7.67	3.10	-7.87	-7.11
158	1	0.09	0.04	6.51e-04	0.0	0.0	3.20e-03	0.16	0.11	6.69e-03	-0.07	-0.07
		-0.07	-0.07	-8.35e-04	0.0	100.0	3.20e-03	0.16	0.11	6.69e-03	0.04	0.09
158	10	13.23	7.00	4.87e-03	0.0	0.0	2.07	-22.51	-14.93	0.50	7.00	13.23
		-9.28	-7.93	-5.46e-04	0.0	100.0	2.07	-22.51	-14.93	0.50	-7.93	-9.28
159	1	0.05	0.01	6.44e-04	0.0	0.0	0.06	0.12	0.04	4.20e-03	-0.03	-0.07
		-0.07	-0.03	-8.16e-04	0.0	100.0	0.06	0.12	0.04	4.20e-03	0.01	0.05
159	10	11.50	5.35	4.69e-03	0.0	0.0	-9.99	-18.86	-9.43	-0.13	5.35	11.50
		-7.36	-4.08	-3.91e-04	0.0	100.0	-9.99	-18.86	-9.43	-0.13	-4.08	-7.36
160	1	5.32e-03	0.66	-6.26e-04	0.0	0.0	0.68	-0.01	-1.21	3.44e-04	0.66	5.32e-03
		-5.29e-03	-0.55	5.32e-04	0.0	100.0	0.68	-0.01	-1.21	3.44e-04	-0.55	-5.29e-03
160	4	0.23	0.16	-0.03	0.0	0.0	-0.09	100.10	-0.08	-0.06	0.16	-99.87
		-99.87	0.08	4.53e-04	0.0	100.0	-0.09	100.10	-0.08	-0.06	0.08	0.23
161	1	3.28e-03	0.72	-6.28e-04	0.0	0.0	-0.25	-9.96e-03	-1.41	7.35e-04	0.72	3.28e-03
		-6.67e-03	-0.68	5.37e-04	0.0	100.0	-0.25	-9.96e-03	-1.41	7.35e-04	-0.68	-6.67e-03
161	4	0.81	0.14	-0.03	-100.00	0.0	0.02	100.87	-0.03	-0.13	0.14	-100.07
		-100.07	0.11	4.50e-04	0.0	100.0	0.02	0.87	-0.03	-0.13	0.11	0.81
162	1	-2.00e-03	0.59	-6.32e-04	0.0	0.0	-0.11	1.11e-03	-1.13	1.45e-03	0.59	-3.11e-03
		-3.11e-03	-0.54	5.47e-04	0.0	100.0	-0.11	1.11e-03	-1.13	1.45e-03	-0.54	-2.00e-03
162	4	3.42	0.15	-0.03	-100.00	0.0	-0.07	102.10	0.07	-0.65	0.08	-98.69
		-98.69	0.08	4.41e-04	0.0	100.0	-0.07	2.10	0.07	-0.65	0.15	3.42
162	6	6.79e-04	0.20	-1.17e-05	0.0	0.0	-0.04	1.73e-03	-0.39	1.21e-04	0.20	-1.05e-03
		-1.05e-03	-0.19	1.69e-04	0.0	100.0	-0.04	1.73e-03	-0.39	1.21e-04	-0.19	6.79e-04
163	1	0.01	0.29	-6.34e-04	0.0	0.0	-0.02	9.93e-03	-0.56	-1.26e-03	0.29	5.33e-04
		5.33e-04	-0.28	5.63e-04	0.0	100.0	-0.02	9.93e-03	-0.56	-1.26e-03	-0.28	0.01
163	4	4.88	0.25	-0.02	-100.00	0.0	-0.11	83.20	0.34	-2.90	-0.09	-78.32
		-78.32	-0.09	3.94e-04	0.0	100.0	-0.11	-16.80	0.34	-2.90	0.25	4.88
163	6	0.01	0.11	-1.02e-05	0.0	0.0	-2.23e-03	0.02	-0.21	-1.43e-03	0.11	-2.38e-03
		-2.38e-03	-0.10	1.74e-04	0.0	100.0	-2.23e-03	0.02	-0.21	-1.43e-03	-0.10	0.01
164	1	-4.67	1.70	-6.91e-03	0.0	0.0	0.14	17.54	3.47	2.81	-1.77	-22.20
		-22.20	-1.77	3.32e-04	0.0	100.0	0.14	17.54	3.47	2.81	1.70	-4.67
164	2	0.05	1.19	-2.70e-04	0.0	0.0	0.04	-0.15	2.47	0.03	-1.28	0.05
		-0.10	-1.28	1.29e-04	0.0	100.0	0.04	-0.15	2.47	0.03	1.19	-0.10
164	3	4.25	0.48	-0.02	0.0	0.0	0.43	103.08	0.77	-0.54	-0.29	-98.83
		-98.83	-0.29	5.16e-04	0.0	100.0	0.43	103.08	0.77	-0.54	0.48	4.25
165	1	0.45	0.62	-8.98e-04	0.0	0.0	-0.74	-1.26	-1.24	-0.03	0.62	0.45
		-0.80	-0.62	-8.04e-04	0.0	100.0	-0.74	-1.26	-1.24	-0.03	-0.62	-0.80
165	2	4.81	0.83	-0.02	0.0	0.0	-0.55	83.39	-1.46	-2.59	0.83	-78.58
		-78.58	-0.63	-5.18e-04	0.0	100.0	-0.55	83.39	-1.46	-2.59	-0.63	4.81
165	5	5.11	0.69	-0.02	0.0	0.0	0.11	83.09	-1.14	2.89	0.69	-77.98
		-77.98	-0.45	-1.03e-04	0.0	100.0	0.11	83.09	-1.14	2.89	-0.45	5.11
166	1	0.08	0.21	-8.91e-04	0.0	0.0	0.03	-0.15	-0.40	6.35e-03	0.21	0.08
		-0.07	-0.19	-8.08e-04	0.0	100.0	0.03	-0.15	-0.40	6.35e-03	-0.19	-0.07
166	5	3.44	0.70	-0.03	-100.00	0.0	-0.15	101.90	-1.13	0.67	0.70	-98.45
		-98.45	-0.43	-7.37e-05	0.0	100.0	-0.15	1.90	-1.13	0.67	-0.43	3.44
167	5	0.75	0.68	-0.03	-100.00	0.0	0.71	100.67	-1.09	0.13	0.68	-99.92
		-99.92	-0.41	-7.20e-05	0.0	100.0	0.71	0.67	-1.09	0.13	-0.41	0.75
167	6	1.46e-03	0.02	-3.22e-05	0.0	0.0	0.03	3.37e-03	-0.05	-1.77e-04	0.02	-1.91e-03
		-1.91e-03	-0.02	-2.33e-04	0.0	100.0	0.03	3.37e-03	-0.05	-1.77e-04	-0.02	1.46e-03
168	2	0.63	0.24	-2.42e-03	0.0	0.0	-0.54	-1.95	-0.45	-0.29	0.24	0.63
		-1.32	-0.21	-6.72e-04	0.0	100.0	-0.54	-1.95	-0.45	-0.29	-0.21	-1.32
168	5	0.32	0.65	-0.03	0.0	0.0	-0.90	100.20	-1.01	0.09	0.65	-99.88

		-99.88	-0.36	-7.48e-05	0.0	100.0	-0.90	100.20	-1.01	0.09	-0.36	0.32
168	6	3.48e-05	0.02	-3.19e-05	0.0	0.0	-0.04	-2.80e-04	-0.04	-1.50e-04	0.02	3.48e-05
		-2.45e-04	-0.02	-2.33e-04	0.0	100.0	-0.04	-2.80e-04	-0.04	-1.50e-04	-0.02	-2.45e-04
169	1	4.24	0.61	-0.02	0.0	0.0	0.76	103.14	-0.95	-0.51	0.61	-98.90
		-98.90	-0.35	-8.53e-05	0.0	100.0	0.76	103.14	-0.95	-0.51	-0.35	4.24
169	3	-1.42	0.90	-1.40e-03	0.0	0.0	0.21	-2.02	-1.72	-0.59	0.90	-1.42
		-3.44	-0.82	-1.12e-04	0.0	100.0	0.21	-2.02	-1.72	-0.59	-0.82	-3.44
169	4	-0.03	0.32	-8.40e-05	0.0	0.0	0.15	2.18e-03	-0.61	-0.02	0.32	-0.03
		-0.03	-0.29	-8.71e-05	0.0	100.0	0.15	2.18e-03	-0.61	-0.02	-0.29	-0.03
170	1	4.80	1.17	-0.02	0.0	0.0	0.51	82.59	2.25	2.80	-1.08	-77.79
		-77.79	-1.08	2.52e-04	0.0	100.0	0.51	82.59	2.25	2.80	1.17	4.80
170	2	0.32	1.03	-4.35e-04	0.0	0.0	0.19	-1.11	2.13	0.08	-1.10	0.32
		-0.79	-1.10	4.80e-05	0.0	100.0	0.19	-1.11	2.13	0.08	1.03	-0.79
170	3	4.79	0.35	-0.02	0.0	0.0	0.50	82.59	-0.51	-2.80	0.35	-77.80
		-77.80	-0.16	3.21e-04	0.0	100.0	0.50	82.59	-0.51	-2.80	-0.16	4.79
170	5	-0.03	0.46	-8.77e-05	0.0	0.0	0.15	0.02	0.96	0.02	-0.50	-0.04
		-0.04	-0.50	4.31e-05	0.0	100.0	0.15	0.02	0.96	0.02	0.46	-0.03
171	1	4.26	0.48	-0.02	0.0	0.0	0.49	103.12	0.76	0.54	-0.28	-98.86
		-98.86	-0.28	1.07e-04	0.0	100.0	0.49	103.12	0.76	0.54	0.48	4.26
171	2	-1.43	0.84	-1.40e-03	0.0	0.0	0.08	-1.98	1.74	0.60	-0.90	-1.43
		-3.40	-0.90	-1.16e-04	0.0	100.0	0.08	-1.98	1.74	0.60	0.84	-3.40
171	5	-0.04	0.31	-2.06e-04	0.0	0.0	0.07	0.02	0.64	0.04	-0.33	-0.06
		-0.06	-0.33	-2.96e-05	0.0	100.0	0.07	0.02	0.64	0.04	0.31	-0.04
239	1	0.20	0.46	-6.05e-04	0.0	0.0	-1.18	-0.30	0.87	-0.02	-0.41	0.20
		-0.10	-0.41	5.80e-04	0.0	100.0	-1.18	-0.30	0.87	-0.02	0.46	-0.10
239	3	-4.77	0.49	-7.36e-03	0.0	0.0	-1.22	17.44	0.87	2.71	-0.38	-22.21
		-22.21	-0.38	6.63e-04	0.0	100.0	-1.22	17.44	0.87	2.71	0.49	-4.77
239	4	-4.44	0.42	-9.33e-03	0.0	0.0	-0.06	16.74	0.81	-2.90	-0.39	-21.18
		-21.18	-0.39	2.85e-04	0.0	100.0	-0.06	16.74	0.81	-2.90	0.42	-4.44

<b>Pilas.</b>	<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Q 2 / Q 3</b>	<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>
	-100.07	-23.39	-0.03	-100.00	-13.98	-90.41	-14.93	-3.69
	79.76	8.73	0.03	100.00	87.38	103.41	32.12	3.87

<b>Trave</b>	<b>Cmb</b>	<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Q 2 / Q 3</b>	<b>Pos.</b>	<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>	<b>M 2</b>	<b>M 3</b>
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	200.60	0.34	-2.04e-03	0.0	0.0	-96.93	131.40	0.24	3.58	0.0	0.0
		0.0	0.0	2.77e-05	0.0	144.3	-96.93	131.40	0.24	3.58	0.34	200.60
1	2	342.79	0.0	-1.70e-03	0.0	0.0	-58.19	219.23	-0.21	3.65	0.0	0.0
		0.0	-0.31	2.70e-05	0.0	144.3	-58.19	219.23	-0.21	3.65	-0.31	342.79
1	5	200.25	25.56	-1.00e-03	0.0	0.0	77.99	125.49	17.71	-2.59	0.0	0.0
		0.0	0.0	-8.46e-05	0.0	144.3	77.99	125.49	17.71	-2.59	25.56	200.25
7	1	15.52	0.51	-2.10e-03	0.0	0.0	15.44	19.63	0.99	-2.78	-0.97	-13.92
		-13.92	-0.97	-6.93e-06	0.0	150.0	15.44	19.63	0.99	-2.78	0.51	15.52
7	8	48.25	2.28	-6.40e-03	0.0	0.0	48.35	57.99	3.09	3.34	-2.35	-38.73
		-38.73	-2.35	1.85e-05	0.0	150.0	48.35	57.99	3.09	3.34	2.28	48.25
7	9	72.28	-8.94	-6.12e-03	0.0	0.0	146.45	64.28	16.94	-63.89	-34.35	-24.13
		-24.13	-34.35	-9.88e-05	0.0	150.0	146.45	64.28	16.94	-63.89	-8.94	72.28
7	10	44.93	15.86	-3.93e-03	0.0	0.0	70.11	28.15	-14.38	-137.20	15.86	2.70
		2.70	-5.71	9.81e-05	0.0	150.0	70.11	28.15	-14.38	-137.20	-5.71	44.93
8	1	0.02	0.0	0.0	0.0	0.0	1.16e-03	-0.63	-0.29	-7.97e-03	0.0	0.02
		-0.24	-0.12	0.0	0.0	40.2	1.16e-03	-0.63	-0.29	-7.97e-03	-0.12	-0.24
8	8	0.01	2.42e-06	1.57e-05	0.0	0.0	0.15	-6.15	-4.83	-1.18	2.42e-06	0.01
		-3.22	-1.94	9.46e-06	0.0	40.2	0.15	-6.15	-4.83	-1.18	-1.94	-3.22
8	9	0.02	2.45e-06	1.75e-05	0.0	0.0	0.70	-7.11	-4.10	-1.42	2.45e-06	0.02
		-3.74	-1.65	9.91e-06	0.0	40.2	0.70	-7.11	-4.10	-1.42	-1.65	-3.74
8	10	2.53e-03	0.0	8.24e-06	0.0	0.0	3.19	-3.49	-1.70	-0.60	0.0	2.53e-03
		-1.82	-0.68	4.41e-06	0.0	40.2	3.19	-3.49	-1.70	-0.60	-0.68	-1.82
9	1	1.66	-0.02	0.0	0.0	0.0	0.0	-3.10	0.04	0.66	-0.06	1.66
		-1.21	-0.06	0.0	0.0	90.0	0.0	-3.10	0.04	0.66	-0.02	-1.21
9	8	20.29	0.83	1.48e-06	0.0	0.0	0.0	60.09	3.71	-10.07	-2.51	-36.25
		-36.25	-2.51	4.07e-06	0.0	90.0	0.0	60.09	3.71	-10.07	0.83	20.29
9	9	19.82	1.32	1.86e-06	0.0	0.0	0.0	65.00	4.75	-11.09	-2.96	-41.27
		-41.27	-2.96	4.16e-06	0.0	90.0	0.0	65.00	4.75	-11.09	1.32	19.82
10	1	0.02	0.03	0.0	0.0	0.0	-0.01	0.95	-0.11	0.10	0.03	-0.30
		-0.30	0.0	0.0	0.0	27.5	-0.01	0.95	-0.11	0.10	0.0	0.02
10	8	1.26	1.39	9.54e-06	0.0	0.0	-0.69	-2.90	-5.04	-0.48	1.39	1.26
		0.07	-2.50e-06	4.85e-06	0.0	27.5	-0.69	-2.90	-5.04	-0.48	-2.50e-06	0.07
10	9	1.12	1.19	8.77e-06	0.0	0.0	-0.61	-2.56	-4.32	-0.43	1.19	1.12
		0.06	-2.73e-06	5.20e-06	0.0	27.5	-0.61	-2.56	-4.32	-0.43	-2.73e-06	0.06
14	1	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	-1.70	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	0.04	0.0	-1.70	0.0	0.0
14	6	0.0	0.0	0.0	0.0	0.0	0.0	-0.72	0.0	8.76	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-0.72	0.0	8.76	0.0	0.0
15	6	-8.29e-04	2.10	0.0	0.0	0.0	1.12	-3.83	7.65	0.49	-1.74e-06	-8.29e-04
		-1.36	-1.74e-06	-2.58e-06	0.0	27.5	1.12	-3.83	7.65	0.49	2.10	-1.36

15	7	0.03	1.96	0.0	0.0	0.0	1.06	-6.16	7.14	0.92	-1.62e-06	0.03
		-2.16	-1.62e-06	-2.41e-06	0.0	27.5	1.06	-6.16	7.14	0.92	1.96	-2.16
15	10	3.75e-03	0.0	0.0	0.0	0.0	-0.06	-2.09	-0.38	0.26	0.0	3.75e-03
		-0.73	-0.10	0.0	0.0	27.5	-0.06	-2.09	-0.38	0.26	-0.10	-0.73
16	1	1.57	3.34e-03	0.0	0.0	0.0	0.0	-2.39	0.01	0.56	-7.85e-03	1.57
		-0.63	-7.85e-03	0.0	0.0	90.0	0.0	-2.39	0.01	0.56	3.34e-03	-0.63
16	8	23.42	0.96	0.0	0.0	0.0	0.0	51.69	2.86	-11.16	-1.61	-24.43
		-24.43	-1.61	1.86e-06	0.0	90.0	0.0	51.69	2.86	-11.16	0.96	23.42
16	9	21.14	1.30	0.0	0.0	0.0	0.0	51.50	3.84	-10.88	-2.16	-26.59
		-26.59	-2.16	2.46e-06	0.0	90.0	0.0	51.50	3.84	-10.88	1.30	21.14
17	1	-16.98	2.64	-1.85e-03	0.0	0.0	24.93	59.47	-1.32	-4.04	2.64	-114.19
		-114.19	0.74	2.96e-05	0.0	144.5	24.93	59.47	-1.32	-4.04	0.74	-16.98
17	2	32.63	2.20	-1.52e-03	0.0	0.0	9.50	62.57	-9.10	-39.90	2.20	-71.54
		-71.54	-10.96	1.39e-05	0.0	144.5	9.50	62.57	-9.10	-39.90	-10.96	32.63
17	5	11.59	512.18	-6.39e-04	0.0	0.0	-229.28	-20.06	-355.94	-219.21	512.18	11.59
		9.68	-2.21	-4.88e-04	0.0	144.5	-229.28	-20.06	-355.94	-219.21	-2.21	9.68
18	1	54.63	0.19	-2.01e-03	0.0	0.0	3.60	53.22	-0.31	33.66	0.19	-17.89
		-17.89	-0.25	3.16e-05	0.0	144.5	3.60	53.22	-0.31	33.66	-0.25	54.63
18	2	85.32	-11.08	-1.35e-03	0.0	0.0	20.47	31.95	0.19	-22.74	-11.35	35.28
		35.28	-11.35	2.34e-05	0.0	144.5	20.47	31.95	0.19	-22.74	-11.08	85.32
18	5	19.80	0.85	-5.26e-04	0.0	0.0	-118.59	-11.27	-1.19	-106.42	0.85	19.80
		19.34	-0.86	-2.50e-06	0.0	144.5	-118.59	-11.27	-1.19	-106.42	-0.86	19.34
19	1	94.87	-3.03	-1.65e-03	0.0	0.0	21.72	36.08	-3.05	50.67	-3.03	49.60
		49.60	-7.43	3.56e-05	0.0	144.5	21.72	36.08	-3.05	50.67	-7.43	94.87
19	2	87.20	-10.10	-7.97e-04	0.0	0.0	33.55	-10.64	0.29	-38.01	-10.51	87.20
		77.24	-10.51	1.43e-05	0.0	144.5	33.55	-10.64	0.29	-38.01	-10.10	77.24
19	3	43.79	0.13	-1.16e-03	0.0	0.0	5.15	14.51	0.06	14.87	0.13	25.25
		25.25	0.03	1.50e-05	0.0	144.5	5.15	14.51	0.06	14.87	0.03	43.79
19	5	28.53	0.06	-3.70e-04	0.0	0.0	-45.39	-4.39	0.16	-58.13	-0.17	25.23
		25.23	-0.17	4.80e-06	0.0	144.5	-45.39	-4.39	0.16	-58.13	0.06	28.53
19	6	25.05	-1.44e-03	-4.65e-04	0.0	0.0	3.02	4.76	-5.28e-03	-3.94	-1.44e-03	17.39
		17.39	-9.07e-03	0.0	0.0	144.5	3.02	4.76	-5.28e-03	-3.94	-9.07e-03	25.05
20	1	123.04	-10.21	-1.01e-03	0.0	0.0	52.07	24.06	-0.66	25.94	-10.21	91.40
		91.40	-11.17	2.55e-05	0.0	144.5	52.07	24.06	-0.66	25.94	-11.17	123.04
20	3	54.22	0.43	-8.67e-04	0.0	0.0	15.22	11.39	0.26	22.50	0.43	41.24
		41.24	0.06	1.49e-05	0.0	144.5	15.22	11.39	0.26	22.50	0.06	54.22
20	5	32.19	0.19	-1.62e-04	0.0	0.0	-23.61	-5.08	-0.12	-35.57	0.19	32.19
		30.99	8.76e-03	2.54e-06	0.0	144.5	-23.61	-5.08	-0.12	-35.57	8.76e-03	30.99
20	6	29.09	-1.01e-03	-2.92e-04	0.0	0.0	2.93	2.38	-6.21e-03	-2.87	-1.01e-03	25.06
		25.06	-9.98e-03	0.0	0.0	144.5	2.93	2.38	-6.21e-03	-2.87	-9.98e-03	29.09
21	1	122.81	-10.17	-2.27e-04	0.0	0.0	67.23	-10.84	1.05	-4.07	-11.68	122.81
		106.67	-11.68	1.47e-05	0.0	144.5	67.23	-10.84	1.05	-4.07	-10.17	106.67
21	5	33.59	0.07	5.74e-05	0.0	0.0	-15.44	-7.92	-0.02	-22.51	0.07	33.59
		25.68	0.03	2.41e-06	0.0	144.5	-15.44	-7.92	-0.02	-22.51	0.03	25.68
22	1	109.04	-9.63	5.29e-04	0.0	0.0	66.66	-13.05	-0.72	-30.43	-9.63	109.04
		95.64	-10.66	-9.02e-06	0.0	143.2	66.66	-13.05	-0.72	-30.43	-10.66	95.64
22	2	45.24	0.53	4.89e-04	0.0	0.0	18.54	-5.66	-0.36	-28.19	0.53	45.24
		42.32	0.01	-6.86e-06	0.0	143.2	18.54	-5.66	-0.36	-28.19	0.01	42.32
22	4	32.36	0.03	-3.36e-05	0.0	0.0	-6.42	6.56	0.02	19.65	4.64e-03	26.00
		26.00	4.64e-03	-2.72e-06	0.0	143.2	-6.42	6.56	0.02	19.65	0.03	32.36
22	5	28.86	0.07	2.46e-04	0.0	0.0	-11.30	-0.88	-0.01	-13.28	0.07	27.51
		27.51	0.06	2.91e-06	0.0	143.2	-11.30	-0.88	-0.01	-13.28	0.06	28.86
23	1	99.82	-3.39	1.18e-03	0.0	0.0	64.57	-28.88	3.12	-50.96	-7.85	99.82
		65.02	-7.85	-2.70e-05	0.0	143.2	64.57	-28.88	3.12	-50.96	-3.39	65.02
23	2	45.05	0.09	7.81e-04	0.0	0.0	16.86	-9.71	-0.13	-17.57	0.09	45.05
		33.94	-0.10	-7.42e-06	0.0	143.2	16.86	-9.71	-0.13	-17.57	-0.10	33.94
23	3	95.50	-10.29	4.53e-04	0.0	0.0	61.75	11.80	-0.34	30.74	-10.29	83.10
		83.10	-10.78	1.48e-05	0.0	143.2	61.75	11.80	-0.34	30.74	-10.78	95.50
23	4	30.24	7.68e-03	1.93e-04	0.0	0.0	-10.93	3.66	0.03	31.95	-0.03	30.24
		30.02	-0.03	-2.99e-06	0.0	143.2	-10.93	3.66	0.03	31.95	7.68e-03	30.02
23	6	28.73	-8.09e-03	3.07e-04	0.0	0.0	3.09	-3.01	1.74e-03	1.66	-0.01	28.73
		24.04	-0.01	0.0	0.0	143.2	3.09	-3.01	1.74e-03	1.66	-8.09e-03	24.04
24	3	95.32	-11.31	1.09e-03	0.0	0.0	67.45	-5.36	-0.01	1.13	-11.31	95.32
		87.70	-11.33	-1.37e-05	0.0	143.2	67.45	-5.36	-0.01	1.13	-11.33	87.70
24	4	26.90	-0.08	3.85e-04	0.0	0.0	-19.92	2.50	-0.24	52.81	-0.08	26.90
		21.74	-0.43	-5.31e-06	0.0	143.2	-19.92	2.50	-0.24	52.81	-0.43	21.74
24	5	25.85	0.06	6.14e-04	0.0	0.0	-4.97	-7.52	-0.02	-3.59	0.06	25.85
		15.62	0.03	4.21e-06	0.0	143.2	-4.97	-7.52	-0.02	-3.59	0.03	15.62
25	1	36.70	0.40	1.87e-03	0.0	0.0	31.08	-53.61	-0.31	-21.91	0.40	36.70
		-37.21	-0.04	-2.63e-05	0.0	143.2	31.08	-53.61	-0.31	-21.91	-0.04	-37.21
25	3	90.62	-10.30	1.64e-03	0.0	0.0	60.79	-66.59	0.36	-18.03	-10.82	90.62
		-3.22	-10.82	-3.08e-05	0.0	143.2	60.79	-66.59	0.36	-18.03	-10.30	-3.22
25	4	16.50	2.44	5.16e-04	0.0	0.0	-53.95	9.08	2.14	98.68	-0.63	16.50
		14.86	-0.63	-2.51e-06	0.0	143.2	-53.95	9.08	2.14	98.68	2.44	14.86
26	1	-36.73	4.12	1.55e-03	0.0	0.0	22.53	-91.33	2.88	13.91	-4.42e-03	-36.73
		-185.86	-4.42e-03	-2.63e-05	0.0	143.2	22.53	-91.33	2.88	13.91	4.12	-185.86
26	3	-1.69	0.02	1.55e-03	0.0	0.0	40.73	-109.18	5.31	0.62	-7.57	-1.69

		-174.67	-7.57	-4.43e-05	0.0	143.2	40.73	-109.18	5.31	0.62	0.02	-174.67
26	4	6.22	416.26	5.84e-04	0.0	0.0	-209.78	3.17	289.65	228.14	1.56	6.22
		-19.71	1.56	2.43e-04	0.0	143.2	-209.78	3.17	289.65	228.14	416.26	-19.71
29	1	57.46	0.06	1.71e-03	0.0	0.0	-9.83	-38.56	0.10	-1.84	-0.07	57.46
		1.42	-0.07	0.0	0.0	139.9	-9.83	-38.56	0.10	-1.84	0.06	1.42
29	7	65.79	0.16	3.70e-03	0.0	0.0	-51.66	-46.99	0.40	8.86	-0.39	65.79
		-1.55	-0.39	3.37e-06	0.0	139.9	-51.66	-46.99	0.40	8.86	0.16	-1.55
29	8	77.88	-0.57	4.61e-03	0.0	0.0	-122.86	-60.99	0.33	31.55	-1.03	77.88
		-7.87	-1.03	2.24e-05	0.0	139.9	-122.86	-60.99	0.33	31.55	-0.57	-7.87
29	9	122.47	-0.82	4.26e-03	0.0	0.0	-81.19	-92.22	-0.36	35.99	-0.82	122.47
		-8.17	-1.32	2.89e-05	0.0	139.9	-81.19	-92.22	-0.36	35.99	-1.32	-8.17
30	1	54.59	0.01	1.73e-03	0.0	0.0	-5.06	-37.09	0.05	-2.50	-0.06	54.59
		0.80	-0.06	0.0	0.0	139.9	-5.06	-37.09	0.05	-2.50	0.01	0.80
30	6	77.38	-0.67	3.68e-03	0.0	0.0	-39.27	-53.19	-0.40	24.94	-0.67	77.38
		0.35	-1.22	1.17e-05	0.0	139.9	-39.27	-53.19	-0.40	24.94	-1.22	0.35
30	8	108.09	-0.95	4.23e-03	0.0	0.0	-50.73	-73.96	-1.07	40.26	-0.95	108.09
		0.78	-2.44	2.16e-05	0.0	139.9	-50.73	-73.96	-1.07	40.26	-2.44	0.78
30	9	156.82	-0.70	3.84e-03	0.0	0.0	-30.01	-105.74	-1.98	41.73	-0.70	156.82
		2.73	-3.48	2.79e-05	0.0	139.9	-30.01	-105.74	-1.98	41.73	-3.48	2.73
30	10	63.44	0.08	1.96e-03	0.0	0.0	-15.66	-42.65	-1.49	19.26	0.08	63.44
		1.22	-2.00	1.54e-05	0.0	139.9	-15.66	-42.65	-1.49	19.26	-2.00	1.22
31	1	55.93	-0.01	1.75e-03	0.0	0.0	-1.91	-38.11	0.03	-1.54	-0.05	55.93
		0.67	-0.05	0.0	0.0	139.9	-1.91	-38.11	0.03	-1.54	-0.01	0.67
31	9	129.83	-0.61	3.43e-03	0.0	0.0	-3.98	-87.51	-2.80	39.18	-0.61	129.83
		2.67	-4.53	2.70e-05	0.0	139.9	-3.98	-87.51	-2.80	39.18	-4.53	2.67
31	10	59.27	0.34	1.78e-03	0.0	0.0	-13.02	-39.53	-1.85	16.70	0.34	59.27
		1.64	-2.24	1.26e-05	0.0	139.9	-13.02	-39.53	-1.85	16.70	-2.24	1.64
32	1	57.51	-0.05	1.76e-03	0.0	0.0	0.47	-39.07	-0.02	-0.60	-0.05	57.51
		0.81	-0.08	0.0	0.0	139.9	0.47	-39.07	-0.02	-0.60	-0.08	0.81
32	8	106.69	-1.04	3.39e-03	0.0	0.0	42.99	-71.47	-7.53	40.19	-1.04	106.69
		2.82	-11.58	2.23e-05	0.0	139.9	42.99	-71.47	-7.53	40.19	-11.58	2.82
32	9	114.83	-0.69	3.05e-03	0.0	0.0	23.46	-77.11	-10.28	36.90	-0.69	114.83
		2.82	-15.07	2.75e-05	0.0	139.9	23.46	-77.11	-10.28	36.90	-15.07	2.82
32	10	54.80	0.23	1.63e-03	0.0	0.0	-7.23	-36.64	-5.03	13.96	0.23	54.80
		1.51	-6.81	1.13e-05	0.0	139.9	-7.23	-36.64	-5.03	13.96	-6.81	1.51
33	1	57.67	-7.03e-03	1.77e-03	0.0	0.0	2.98	-39.42	0.03	-0.57	-0.05	57.67
		0.68	-0.05	0.0	0.0	139.9	2.98	-39.42	0.03	-0.57	-7.03e-03	0.68
33	8	131.69	-1.02	3.02e-03	0.0	0.0	110.73	-81.61	-0.55	30.02	-1.02	131.69
		11.16	-1.79	2.23e-05	0.0	139.9	110.73	-81.61	-0.55	30.02	-1.79	11.16
33	9	128.81	-0.63	2.70e-03	0.0	0.0	76.01	-80.30	-1.37	27.56	-0.63	128.81
		10.41	-2.55	2.64e-05	0.0	139.9	76.01	-80.30	-1.37	27.56	-2.55	10.41
33	10	62.77	0.23	1.50e-03	0.0	0.0	3.04	-40.06	-1.04	9.88	0.23	62.77
		3.99	-1.22	1.01e-05	0.0	139.9	3.04	-40.06	-1.04	9.88	-1.22	3.99
34	1	770.66	1.61	4.58e-04	0.0	0.0	59.67	-77.75	-2.80	7.52	1.61	770.66
		649.74	-2.40	-6.48e-06	0.0	143.2	59.67	-77.75	-2.80	7.52	-2.40	649.74
34	3	553.27	2.11	4.91e-05	0.0	0.0	46.34	39.62	-3.10	19.01	2.11	488.74
		488.74	-2.32	1.51e-05	0.0	143.2	46.34	39.62	-3.10	19.01	-2.32	553.27
34	5	262.59	0.42	2.00e-04	0.0	0.0	-11.71	-12.67	-0.22	-1.06	0.42	262.59
		242.90	0.10	2.95e-06	0.0	143.2	-11.71	-12.67	-0.22	-1.06	0.10	242.90
34	6	236.37	-9.59e-03	1.16e-04	0.0	0.0	3.54	-9.23	-3.40e-03	0.93	-9.59e-03	236.37
		222.13	-0.01	0.0	0.0	143.2	3.54	-9.23	-3.40e-03	0.93	-0.01	222.13
35	1	768.40	1.33	-2.51e-04	0.0	0.0	52.84	7.33	2.74	-16.24	-2.62	758.10
		758.10	-2.62	0.0	0.0	144.3	52.84	7.33	2.74	-16.24	1.33	768.40
35	5	282.14	-0.03	-4.94e-05	0.0	0.0	-16.43	-16.91	-0.17	-11.55	-0.03	282.14
		254.22	-0.28	2.44e-06	0.0	144.3	-16.43	-16.91	-0.17	-11.55	-0.28	254.22
35	6	235.89	-0.01	-9.83e-05	0.0	0.0	3.31	6.72	-0.02	-1.47	-0.01	225.48
		225.48	-0.05	0.0	0.0	144.3	3.31	6.72	-0.02	-1.47	-0.05	235.89
36	1	754.93	-2.33	-9.38e-04	0.0	0.0	36.88	95.93	-0.21	4.30	-2.33	605.28
		605.28	-2.62	1.90e-05	0.0	144.3	36.88	95.93	-0.21	4.30	-2.62	754.93
36	3	425.84	0.08	-7.90e-04	0.0	0.0	17.35	56.21	0.07	6.03	-0.02	337.75
		337.75	-0.02	1.50e-05	0.0	144.3	17.35	56.21	0.07	6.03	0.08	425.84
36	5	290.46	-0.03	-2.92e-04	0.0	0.0	-20.01	-2.60	0.24	-11.36	-0.38	290.46
		283.62	-0.38	2.32e-06	0.0	144.3	-20.01	-2.60	0.24	-11.36	-0.38	283.62
36	6	224.73	-7.42e-03	-3.04e-04	0.0	0.0	2.95	20.42	-4.06e-03	-1.41	-7.42e-03	192.96
		192.96	-0.01	0.0	0.0	144.3	2.95	20.42	-4.06e-03	-1.41	-0.01	224.73
37	1	598.11	0.16	-1.49e-03	0.0	0.0	16.04	119.27	-1.72	12.66	0.16	410.75
		410.75	-2.33	3.14e-05	0.0	144.3	16.04	119.27	-1.72	12.66	-2.33	598.11
37	5	292.05	0.85	-5.59e-04	0.0	0.0	-12.43	15.93	-0.85	-13.61	0.85	272.25
		272.25	-0.38	3.13e-06	0.0	144.3	-12.43	15.93	-0.85	-13.61	-0.38	292.05
37	6	191.37	-7.42e-03	-4.79e-04	0.0	0.0	2.30	34.42	1.75e-03	-1.85	-9.94e-03	137.65
		137.65	-9.94e-03	0.0	0.0	144.3	2.30	34.42	1.75e-03	-1.85	-7.42e-03	191.37
38	1	402.10	0.34	-1.86e-03	0.0	0.0	-21.52	129.89	-0.12	12.92	0.34	199.05
		199.05	0.16	3.09e-05	0.0	144.3	-21.52	129.89	-0.12	12.92	0.16	402.10
38	2	510.90	-0.31	-1.37e-03	0.0	0.0	-2.51	111.74	-1.39	1.66	-0.31	339.59
		339.59	-2.31	1.65e-05	0.0	144.3	-2.51	111.74	-1.39	1.66	-2.31	510.90
38	5	274.27	25.56	-8.13e-04	0.0	0.0	52.15	59.20	-17.12	-14.71	25.56	190.17
		190.17	0.85	1.03e-05	0.0	144.3	52.15	59.20	-17.12	-14.71	0.85	274.27

38	6	135.13	-9.94e-03	-6.03e-04	0.0	0.0	0.65	42.20	0.05	-2.99	-0.09	69.31
		69.31	-0.09	0.0	0.0	144.3	0.65	42.20	0.05	-2.99	-9.94e-03	135.13
39	6	100.28	-0.54	-3.12e-03	0.0	0.0	-112.18	52.48	0.91	-11.50	-1.44	44.84
		44.84	-1.44	-2.07e-05	0.0	99.0	-112.18	52.48	0.91	-11.50	-0.54	100.28
39	7	323.36	-0.85	-3.71e-03	0.0	0.0	-87.08	161.02	0.70	-15.55	-1.54	154.21
		154.21	-1.54	-2.26e-05	0.0	99.0	-87.08	161.02	0.70	-15.55	-0.85	323.36
39	9	50.44	-0.23	-2.15e-03	0.0	0.0	-50.77	23.07	0.21	-2.72	-0.43	26.23
		26.23	-0.43	-5.47e-06	0.0	99.0	-50.77	23.07	0.21	-2.72	-0.23	50.44
39	10	69.88	0.05	-1.50e-03	0.0	0.0	2.89	34.69	-0.07	-5.41	0.05	33.32
		33.32	-0.02	1.20e-06	0.0	99.0	2.89	34.69	-0.07	-5.41	-0.02	69.88
40	6	156.33	-0.54	-3.07e-03	0.0	0.0	-88.46	52.53	-0.19	-9.77	-0.54	101.70
		101.70	-0.74	-2.48e-05	0.0	99.0	-88.46	52.53	-0.19	-9.77	-0.74	156.33
40	7	505.78	2.22	-3.53e-03	0.0	0.0	-58.17	169.54	3.10	-12.85	-0.85	328.18
		328.18	-0.85	-2.78e-05	0.0	99.0	-58.17	169.54	3.10	-12.85	2.22	505.78
40	9	70.51	-0.23	-2.12e-03	0.0	0.0	-46.35	18.90	-0.25	-2.57	-0.23	50.94
		50.94	-0.47	-7.29e-06	0.0	99.0	-46.35	18.90	-0.25	-2.57	-0.47	70.51
40	10	106.46	0.21	-1.46e-03	0.0	0.0	0.85	34.01	0.23	-4.59	-0.02	70.87
		70.87	-0.02	1.00e-06	0.0	99.0	0.85	34.01	0.23	-4.59	0.21	106.46
41	7	722.03	8.34	-4.53e-03	0.0	0.0	-28.54	140.66	4.32	-14.78	2.22	510.73
		510.73	2.22	-4.24e-05	0.0	141.6	-28.54	140.66	4.32	-14.78	8.34	722.03
41	8	113.41	-0.36	-3.87e-03	0.0	0.0	-71.10	18.17	0.26	-6.17	-0.73	88.69
		88.69	-0.73	-3.27e-05	0.0	141.6	-71.10	18.17	0.26	-6.17	-0.36	113.41
41	9	85.69	-0.23	-2.96e-03	0.0	0.0	-45.03	11.02	0.18	-3.26	-0.47	70.94
		70.94	-0.47	-1.66e-05	0.0	141.6	-45.03	11.02	0.18	-3.26	-0.23	85.69
41	10	152.31	0.21	-1.99e-03	0.0	0.0	-2.22	29.96	-1.06	-5.85	0.21	107.45
		107.45	-1.29	3.75e-06	0.0	141.6	-2.22	29.96	-1.06	-5.85	-1.29	152.31
42	1	155.22	-0.03	-1.41e-03	0.0	0.0	1.22	44.31	5.45e-03	-0.78	-0.04	88.12
		88.12	-0.04	-2.44e-06	0.0	141.6	1.22	44.31	5.45e-03	-0.78	-0.03	155.22
42	7	804.61	8.34	-3.70e-03	0.0	0.0	39.42	48.77	-5.97	-6.49	8.34	731.52
		731.52	-0.12	-9.52e-06	0.0	141.6	39.42	48.77	-5.97	-6.49	-0.12	804.61
42	8	287.31	-0.18	-3.74e-03	0.0	0.0	-17.71	111.39	0.13	-10.43	-0.36	118.40
		118.40	-0.36	-3.65e-05	0.0	141.6	-17.71	111.39	0.13	-10.43	-0.18	287.31
42	10	236.86	0.17	-1.81e-03	0.0	0.0	3.13	53.63	1.03	-3.70	-1.29	156.61
		156.61	-1.29	-4.12e-06	0.0	141.6	3.13	53.63	1.03	-3.70	0.17	236.86
43	1	197.08	0.03	-1.23e-03	0.0	0.0	4.99	27.46	0.04	-0.04	-0.03	156.16
		156.16	-0.03	-1.63e-06	0.0	141.6	4.99	27.46	0.04	-0.04	0.03	197.08
43	6	661.21	0.53	-3.44e-03	0.0	0.0	32.37	123.59	0.57	-14.17	-0.27	475.03
		475.03	-0.27	-4.65e-05	0.0	141.6	32.37	123.59	0.57	-14.17	0.53	661.21
43	7	801.47	-0.09	-2.79e-03	0.0	0.0	50.98	-21.74	0.02	1.73	-0.12	801.47
		766.72	-0.12	-1.60e-06	0.0	141.6	50.98	-21.74	0.02	1.73	-0.09	766.72
43	10	265.63	0.17	-1.54e-03	0.0	0.0	0.20	19.87	-0.10	-1.37	0.17	236.56
		236.56	0.02	-4.27e-06	0.0	141.6	0.20	19.87	-0.10	-1.37	0.02	265.63
44	1	228.55	0.03	-1.01e-03	0.0	0.0	5.22	20.50	8.03e-04	-0.34	0.03	197.96
		197.96	0.03	-1.33e-06	0.0	141.6	5.22	20.50	8.03e-04	-0.34	0.03	228.55
44	6	833.80	3.53	-2.69e-03	0.0	0.0	55.58	109.95	2.12	-11.96	0.53	667.17
		667.17	0.53	-4.17e-05	0.0	141.6	55.58	109.95	2.12	-11.96	3.53	833.80
44	7	765.02	0.18	-1.92e-03	0.0	0.0	43.83	-25.51	0.19	1.51	-0.09	765.02
		726.02	-0.09	0.0	0.0	141.6	43.83	-25.51	0.19	1.51	0.18	726.02
44	10	288.88	0.02	-1.24e-03	0.0	0.0	1.80	15.36	-0.02	-1.65	0.02	266.14
		266.14	-1.01e-03	-4.11e-06	0.0	141.6	1.80	15.36	-0.02	-1.65	-1.01e-03	288.88
45	1	251.25	0.03	-7.48e-04	0.0	0.0	5.39	14.75	3.82e-04	-0.40	0.03	229.22
		229.22	0.03	0.0	0.0	141.6	5.39	14.75	3.82e-04	-0.40	0.03	251.25
45	6	878.21	3.60	-1.74e-03	0.0	0.0	68.94	27.31	0.05	-2.92	3.53	837.45
		837.45	3.53	-1.72e-05	0.0	141.6	68.94	27.31	0.05	-2.92	3.60	878.21
45	10	305.71	9.76e-03	-9.10e-04	0.0	0.0	3.55	10.99	7.61e-03	-1.59	-1.02e-03	289.36
		289.36	-1.02e-03	-4.11e-06	0.0	141.6	3.55	10.99	7.61e-03	-1.59	9.76e-03	305.71
46	1	266.25	0.03	-4.69e-04	0.0	0.0	5.62	9.58	1.98e-03	-0.33	0.03	251.72
		251.72	0.03	0.0	0.0	143.7	5.62	9.58	1.98e-03	-0.33	0.03	266.25
46	6	876.70	3.60	-7.44e-04	0.0	0.0	72.19	-52.62	-2.03	6.31	3.60	876.70
		794.35	0.68	1.05e-05	0.0	143.7	72.19	-52.62	-2.03	6.31	0.68	794.35
46	10	314.24	0.04	-5.70e-04	0.0	0.0	5.43	5.45	0.02	-1.51	9.76e-03	306.03
		306.03	9.76e-03	-4.02e-06	0.0	143.7	5.43	5.45	0.02	-1.51	0.04	314.24
47	1	273.79	0.05	-1.59e-04	0.0	0.0	5.81	4.76	0.01	-0.15	0.03	266.54
		266.54	0.03	0.0	0.0	143.7	5.81	4.76	0.01	-0.15	0.05	273.79
47	6	790.29	0.68	1.80e-04	0.0	0.0	67.54	-66.20	-0.39	10.33	0.68	790.29
		687.86	0.12	1.75e-05	0.0	143.7	67.54	-66.20	-0.39	10.33	0.12	687.86
47	8	789.15	0.76	-8.72e-04	0.0	0.0	61.11	53.07	0.40	-4.14	0.18	707.71
		707.71	0.18	-2.32e-05	0.0	143.7	61.11	53.07	0.40	-4.14	0.76	789.15
48	1	273.72	0.05	1.60e-04	0.0	0.0	5.91	-3.83	-0.01	0.04	0.05	273.72
		267.89	0.03	0.0	0.0	143.7	5.91	-3.83	-0.01	0.04	0.03	267.89
48	8	905.64	3.64	-1.01e-04	0.0	0.0	75.38	75.90	2.52	-11.87	0.02	787.40
		787.40	0.02	-1.66e-05	0.0	143.7	75.38	75.90	2.52	-11.87	3.64	905.64
49	1	267.64	0.03	4.72e-04	0.0	0.0	5.96	-8.70	-2.98e-03	0.27	0.03	267.64
		254.42	0.03	0.0	0.0	143.7	5.96	-8.70	-2.98e-03	0.27	0.03	254.42
49	8	908.50	3.64	1.11e-03	0.0	0.0	79.33	-5.18	-6.89e-03	0.01	3.64	908.50
		900.94	3.63	1.13e-05	0.0	143.7	79.33	-5.18	-6.89e-03	0.01	3.63	900.94
50	1	253.98	0.03	7.67e-04	0.0	0.0	5.91	-13.97	-0.02	0.34	0.03	253.98



		232.71	5.39e-03	1.27e-06	0.0	143.7	5.91	-13.97	-0.02	0.34	5.39e-03	232.71
50	7	480.26	0.09	2.30e-03	0.0	0.0	16.51	-44.78	-0.06	4.85	0.09	480.26
		412.23	-2.82e-03	1.34e-05	0.0	143.7	16.51	-44.78	-0.06	4.85	-2.82e-03	412.23
50	8	898.08	3.63	2.17e-03	0.0	0.0	72.64	-91.92	-2.16	9.42	3.63	898.08
		756.34	0.53	3.84e-05	0.0	143.7	72.64	-91.92	-2.16	9.42	0.53	756.34
51	1	232.47	0.01	1.01e-03	0.0	0.0	5.36	-33.70	5.97e-03	1.40	5.39e-03	232.47
		181.44	5.39e-03	1.65e-06	0.0	139.9	5.36	-33.70	5.97e-03	1.40	0.01	181.44
51	8	752.44	0.53	2.96e-03	0.0	0.0	57.14	-149.42	-0.47	16.01	0.53	752.44
		526.94	-0.12	4.34e-05	0.0	139.9	57.14	-149.42	-0.47	16.01	-0.12	526.94
51	9	699.16	10.30	1.90e-03	0.0	0.0	62.43	-49.26	7.35	1.59	0.02	699.16
		627.09	0.02	-1.39e-05	0.0	139.9	62.43	-49.26	7.35	1.59	10.30	627.09
51	10	357.50	0.05	1.32e-03	0.0	0.0	15.14	-61.79	-1.37	1.00	0.05	357.50
		268.07	-1.86	3.99e-06	0.0	139.9	15.14	-61.79	-1.37	1.00	-1.86	268.07
52	1	179.04	0.01	1.21e-03	0.0	0.0	-0.33	-11.25	-0.05	-1.02	0.01	179.04
		163.66	-0.05	1.83e-06	0.0	139.9	-0.33	-11.25	-0.05	-1.02	-0.05	163.66
52	8	517.23	-0.12	3.53e-03	0.0	0.0	23.29	-70.82	-0.10	10.89	-0.12	517.23
		415.46	-0.27	4.40e-05	0.0	139.9	23.29	-70.82	-0.10	10.89	-0.27	415.46
52	9	647.02	10.30	2.59e-03	0.0	0.0	-8.79	18.80	-5.75	12.65	10.30	619.55
		619.55	2.26	2.86e-05	0.0	139.9	-8.79	18.80	-5.75	12.65	2.26	647.02
52	10	261.32	-1.86	1.62e-03	0.0	0.0	7.85	-33.46	-0.05	13.24	-1.86	261.32
		208.44	-1.94	4.01e-06	0.0	139.9	7.85	-33.46	-0.05	13.24	-1.94	208.44
53	1	163.21	0.03	1.39e-03	0.0	0.0	-1.67	-16.52	0.06	-0.74	-0.05	163.21
		138.90	-0.05	1.70e-06	0.0	139.9	-1.67	-16.52	0.06	-0.74	0.03	138.90
53	6	271.31	-0.15	3.47e-03	0.0	0.0	-19.07	-39.23	0.10	5.91	-0.30	271.31
		213.88	-0.30	2.92e-05	0.0	139.9	-19.07	-39.23	0.10	5.91	-0.15	213.88
53	9	645.06	3.27	3.31e-03	0.0	0.0	-12.21	-113.17	0.72	12.90	2.26	645.06
		476.02	2.26	2.09e-05	0.0	139.9	-12.21	-113.17	0.72	12.90	3.27	476.02
53	10	206.87	-1.94	1.85e-03	0.0	0.0	1.30	-35.62	-1.45	7.34	-1.94	206.87
		154.11	-3.96	8.73e-06	0.0	139.9	1.30	-35.62	-1.45	7.34	-3.96	154.11
54	1	138.16	0.08	1.54e-03	0.0	0.0	-5.11	-23.27	0.03	-0.75	0.03	138.16
		103.74	0.03	1.52e-06	0.0	139.9	-5.11	-23.27	0.03	-0.75	0.08	103.74
54	8	308.89	-0.18	4.32e-03	0.0	0.0	-42.97	-75.45	-0.02	10.32	-0.18	308.89
		197.74	-0.21	4.00e-05	0.0	139.9	-42.97	-75.45	-0.02	10.32	-0.21	197.74
54	9	471.60	3.27	3.83e-03	0.0	0.0	-10.60	-118.10	-1.49	12.18	3.27	471.60
		297.05	1.17	3.45e-05	0.0	139.9	-10.60	-118.10	-1.49	12.18	1.17	297.05
54	10	152.79	13.13	2.02e-03	0.0	0.0	-40.57	-36.82	12.22	6.26	-3.96	152.79
		98.57	-3.96	-2.92e-05	0.0	139.9	-40.57	-36.82	12.22	6.26	13.13	98.57
55	8	194.75	-0.21	4.54e-03	0.0	0.0	-83.26	-76.79	-0.59	12.63	-0.21	194.75
		79.97	-1.03	3.18e-05	0.0	139.9	-83.26	-76.79	-0.59	12.63	-1.03	79.97
55	9	292.44	1.17	4.15e-03	0.0	0.0	-31.59	-111.94	-1.42	14.67	1.17	292.44
		125.56	-0.82	3.75e-05	0.0	139.9	-31.59	-111.94	-1.42	14.67	-0.82	125.56
55	10	97.12	13.13	2.12e-03	0.0	0.0	-8.25	-37.68	-9.51	7.05	13.13	97.12
		40.84	-0.17	2.38e-05	0.0	139.9	-8.25	-37.68	-9.51	7.05	-0.17	40.84
56	1	63.00	-0.05	-1.18e-03	0.0	0.0	-5.05	28.41	-1.93e-03	1.59	-0.05	33.04
		33.04	-0.05	0.0	0.0	99.0	-5.05	28.41	-1.93e-03	1.59	-0.05	63.00
56	6	147.15	-0.71	-2.87e-03	0.0	0.0	-44.75	63.74	0.77	-9.86	-1.48	80.44
		80.44	-1.48	-2.04e-05	0.0	99.0	-44.75	63.74	0.77	-9.86	-0.71	147.15
56	7	330.36	-0.47	-3.40e-03	0.0	0.0	-28.37	140.68	0.96	-9.74	-1.42	182.37
		182.37	-1.42	-2.19e-05	0.0	99.0	-28.37	140.68	0.96	-9.74	-0.47	330.36
56	10	81.74	0.04	-1.39e-03	0.0	0.0	2.37	33.83	-0.04	-4.03	0.04	46.29
		46.29	1.07e-03	1.19e-06	0.0	99.0	2.37	33.83	-0.04	-4.03	1.07e-03	81.74
57	1	91.47	-0.05	-1.14e-03	0.0	0.0	-4.40	26.20	-0.04	1.14	-0.05	63.88
		63.88	-0.09	0.0	0.0	99.0	-4.40	26.20	-0.04	1.14	-0.09	91.47
57	6	216.51	-0.63	-2.79e-03	0.0	0.0	-36.61	64.08	0.08	-8.75	-0.71	149.05
		149.05	-0.71	-2.57e-05	0.0	99.0	-36.61	64.08	0.08	-8.75	-0.63	216.51
57	7	460.99	0.05	-3.21e-03	0.0	0.0	-21.86	120.26	0.53	-7.56	-0.47	334.57
		334.57	-0.47	-2.52e-05	0.0	99.0	-21.86	120.26	0.53	-7.56	0.05	460.99
57	10	113.54	0.01	-1.34e-03	0.0	0.0	1.80	29.36	9.30e-03	-3.38	1.07e-03	82.69
		82.69	1.07e-03	1.23e-06	0.0	99.0	1.80	29.36	9.30e-03	-3.38	0.01	113.54
58	1	128.14	-0.02	-1.54e-03	0.0	0.0	-3.23	23.64	0.05	0.76	-0.09	92.44
		92.44	-0.09	-2.07e-06	0.0	141.6	-3.23	23.64	0.05	0.76	-0.02	128.14
58	6	320.85	-0.21	-3.77e-03	0.0	0.0	-24.91	66.92	0.29	-9.33	-0.63	219.25
		219.25	-0.63	-4.43e-05	0.0	141.6	-24.91	66.92	0.29	-9.33	-0.21	320.85
58	7	629.93	1.70	-4.13e-03	0.0	0.0	-15.43	109.73	1.17	-6.58	0.05	465.77
		465.77	0.05	-3.35e-05	0.0	141.6	-15.43	109.73	1.17	-6.58	1.70	629.93
58	8	211.50	-0.28	-3.58e-03	0.0	0.0	-26.65	45.08	0.24	-6.60	-0.62	143.30
		143.30	-0.62	-3.22e-05	0.0	141.6	-26.65	45.08	0.24	-6.60	-0.28	211.50
58	10	153.02	0.01	-1.81e-03	0.0	0.0	2.03	25.75	-0.24	-3.27	0.01	114.56
		114.56	-0.32	1.32e-06	0.0	141.6	2.03	25.75	-0.24	-3.27	-0.32	153.02
59	1	164.37	0.05	-1.40e-03	0.0	0.0	-1.52	23.68	0.05	0.10	-0.02	128.99
		128.99	-0.02	-2.38e-06	0.0	141.6	-1.52	23.68	0.05	0.10	0.05	164.37
59	7	656.26	1.70	-3.41e-03	0.0	0.0	-6.26	16.65	-0.83	-6.52	1.70	631.26
		631.26	0.53	-1.40e-05	0.0	141.6	-6.26	16.65	-0.83	-6.52	0.53	656.26
59	8	293.97	0.04	-3.34e-03	0.0	0.0	-14.85	54.07	0.23	-8.00	-0.28	213.28
		213.28	-0.28	-3.65e-05	0.0	141.6	-14.85	54.07	0.23	-8.00	0.04	293.97
59	10	196.48	-0.07	-1.64e-03	0.0	0.0	4.02	28.48	0.18	-3.51	-0.32	153.68
		153.68	-0.32	-2.38e-06	0.0	141.6	4.02	28.48	0.18	-3.51	-0.07	196.48

60	1	199.76	0.05	-1.21e-03	0.0	0.0	0.67	22.63	-0.01	-0.39	0.05	165.54
		165.54	0.03	-1.75e-06	0.0	141.6	0.67	22.63	-0.01	-0.39	0.03	199.76
60	7	677.15	0.53	-2.66e-03	0.0	0.0	15.09	12.36	-0.23	-5.20	0.53	657.75
		657.75	0.20	-3.69e-06	0.0	141.6	15.09	12.36	-0.23	-5.20	0.20	677.15
60	8	387.50	0.08	-3.01e-03	0.0	0.0	-1.71	59.98	0.03	-8.74	0.04	296.82
		296.82	0.04	-3.60e-05	0.0	141.6	-1.71	59.98	0.03	-8.74	0.08	387.50
60	10	240.63	-9.94e-03	-1.41e-03	0.0	0.0	2.63	27.87	0.04	-3.27	-0.07	198.29
		198.29	-0.07	-3.99e-06	0.0	141.6	2.63	27.87	0.04	-3.27	-9.94e-03	240.63
61	1	228.26	0.03	-9.85e-04	0.0	0.0	2.18	18.24	5.51e-04	-0.48	0.03	200.74
		200.74	0.03	-1.38e-06	0.0	141.6	2.18	18.24	5.51e-04	-0.48	0.03	228.26
61	6	627.01	1.44	-2.31e-03	0.0	0.0	19.96	55.11	0.65	-6.28	0.53	544.63
		544.63	0.53	-3.65e-05	0.0	141.6	19.96	55.11	0.65	-6.28	1.44	627.01
61	7	677.25	0.20	-1.90e-03	0.0	0.0	21.84	-5.36	4.86e-03	-2.41	0.20	677.25
		668.94	0.20	0.0	0.0	141.6	21.84	-5.36	4.86e-03	-2.41	0.20	668.94
61	10	273.35	-2.68e-03	-1.14e-03	0.0	0.0	2.72	20.96	5.13e-03	-2.55	-9.94e-03	241.78
		241.78	-9.94e-03	-4.10e-06	0.0	141.6	2.72	20.96	5.13e-03	-2.55	-2.68e-03	273.35
62	1	248.32	0.03	-7.27e-04	0.0	0.0	2.90	12.84	1.51e-03	-0.48	0.03	228.98
		228.98	0.03	0.0	0.0	141.6	2.90	12.84	1.51e-03	-0.48	0.03	248.32
62	6	669.96	1.50	-1.59e-03	0.0	0.0	21.80	27.54	0.04	-3.66	1.44	628.63
		628.63	1.44	-1.63e-05	0.0	141.6	21.80	27.54	0.04	-3.66	1.50	669.96
62	10	296.56	0.01	-8.32e-04	0.0	0.0	3.54	14.95	9.09e-03	-1.99	-2.68e-03	274.10
		274.10	-2.68e-03	-4.14e-06	0.0	141.6	3.54	14.95	9.09e-03	-1.99	0.01	296.56
63	1	260.05	0.03	-4.51e-04	0.0	0.0	3.28	7.38	7.49e-04	-0.41	0.03	248.78
		248.78	0.03	0.0	0.0	143.7	3.28	7.38	7.49e-04	-0.41	0.03	260.05
63	6	680.03	1.50	-8.43e-04	0.0	0.0	26.68	5.73	-0.61	-0.99	1.50	670.75
		670.75	0.61	4.92e-06	0.0	143.7	26.68	5.73	-0.61	-0.99	0.61	680.03
63	10	314.44	0.04	-5.02e-04	0.0	0.0	4.41	11.29	0.02	-1.55	0.01	297.12
		297.12	0.01	-4.04e-06	0.0	143.7	4.41	11.29	0.02	-1.55	0.04	314.44
64	1	263.24	0.03	-1.48e-04	0.0	0.0	3.45	1.96	-2.48e-03	-0.31	0.03	260.26
		260.26	0.03	0.0	0.0	143.7	3.45	1.96	-2.48e-03	-0.31	0.03	263.24
64	6	680.26	0.61	-1.26e-04	0.0	0.0	31.89	-1.28	-0.79	1.48	0.61	680.26
		679.05	-0.53	1.61e-05	0.0	143.7	31.89	-1.28	-0.79	1.48	-0.53	679.05
64	8	747.19	1.44	-6.47e-04	0.0	0.0	31.80	58.91	0.70	-4.29	0.43	655.60
		655.60	0.43	-2.17e-05	0.0	143.7	31.80	58.91	0.70	-4.29	1.44	747.19
65	1	263.16	0.03	1.58e-04	0.0	0.0	3.45	-1.73	6.13e-03	0.05	0.02	263.16
		260.49	0.02	0.0	0.0	143.7	3.45	-1.73	6.13e-03	0.05	0.03	260.49
65	8	751.50	1.47	2.28e-04	0.0	0.0	32.69	-17.43	1.30	0.35	-0.40	751.50
		722.61	-0.40	-1.08e-05	0.0	143.7	32.69	-17.43	1.30	0.35	1.47	722.61
66	1	260.28	0.03	4.60e-04	0.0	0.0	3.30	-6.91	-1.84e-04	0.17	0.03	260.28
		249.67	0.03	0.0	0.0	143.7	3.30	-6.91	-1.84e-04	0.17	0.03	249.67
66	8	721.38	1.50	1.07e-03	0.0	0.0	27.27	-26.24	0.02	2.18	1.47	721.38
		681.37	1.47	1.15e-05	0.0	143.7	27.27	-26.24	0.02	2.18	1.50	681.37
67	1	249.21	0.03	7.50e-04	0.0	0.0	2.81	-11.65	3.45e-04	0.24	0.03	249.21
		231.31	0.03	1.30e-06	0.0	143.7	2.81	-11.65	3.45e-04	0.24	0.03	231.31
67	8	680.09	1.50	1.86e-03	0.0	0.0	25.34	-46.27	-0.63	4.86	1.50	680.09
		610.01	0.59	3.32e-05	0.0	143.7	25.34	-46.27	-0.63	4.86	0.59	610.01
68	1	230.64	0.03	9.89e-04	0.0	0.0	1.74	-15.54	-0.02	0.13	0.03	230.64
		207.86	8.68e-03	1.70e-06	0.0	139.9	1.74	-15.54	-0.02	0.13	8.68e-03	207.86
68	8	607.65	0.59	2.49e-03	0.0	0.0	22.77	-56.09	-0.32	7.24	0.59	607.65
		525.27	0.15	4.19e-05	0.0	139.9	22.77	-56.09	-0.32	7.24	0.15	525.27
68	9	521.44	1.50	1.75e-03	0.0	0.0	14.39	-8.06	0.94	3.57	0.20	521.44
		509.66	0.20	5.04e-06	0.0	139.9	14.39	-8.06	0.94	3.57	1.50	509.66
68	10	231.03	0.19	1.18e-03	0.0	0.0	3.73	-23.87	-0.19	2.99	0.19	231.03
		195.21	-0.08	1.62e-06	0.0	139.9	3.73	-23.87	-0.19	2.99	-0.08	195.21
69	1	207.25	8.68e-03	1.22e-03	0.0	0.0	0.35	-19.42	-0.01	-0.07	8.68e-03	207.25
		178.07	-6.28e-03	1.82e-06	0.0	139.9	0.35	-19.42	-0.01	-0.07	-6.28e-03	178.07
69	6	367.69	8.36e-03	2.87e-03	0.0	0.0	-0.40	-47.24	-0.10	6.97	8.36e-03	367.69
		296.83	-0.13	3.13e-05	0.0	139.9	-0.40	-47.24	-0.10	6.97	-0.13	296.83
69	7	338.75	-0.02	2.83e-03	0.0	0.0	-2.86	-41.57	-0.04	4.24	-0.02	338.75
		276.31	-0.08	1.37e-05	0.0	139.9	-2.86	-41.57	-0.04	4.24	-0.08	276.31
69	8	523.14	0.15	3.07e-03	0.0	0.0	11.77	-63.96	-0.13	8.82	0.15	523.14
		427.08	-0.03	4.44e-05	0.0	139.9	11.77	-63.96	-0.13	8.82	-0.03	427.08
69	9	517.86	1.50	2.31e-03	0.0	0.0	-1.57	3.73	-0.99	4.49	1.50	511.49
		511.49	0.13	2.01e-05	0.0	139.9	-1.57	3.73	-0.99	4.49	0.13	517.86
70	1	177.01	-6.28e-03	1.41e-03	0.0	0.0	-1.26	-22.85	-6.43e-03	-0.36	-6.28e-03	177.01
		143.02	-0.02	1.76e-06	0.0	139.9	-1.26	-22.85	-6.43e-03	-0.36	-0.02	143.02
70	6	294.44	-0.13	3.20e-03	0.0	0.0	-10.31	-47.05	-0.09	6.52	-0.13	294.44
		224.45	-0.26	2.95e-05	0.0	139.9	-10.31	-47.05	-0.09	6.52	-0.26	224.45
70	9	516.73	0.67	2.89e-03	0.0	0.0	-5.18	-61.31	0.39	6.84	0.67	516.73
		425.93	0.13	2.47e-05	0.0	139.9	-5.18	-61.31	0.39	6.84	0.13	425.93
70	10	186.35	0.04	1.60e-03	0.0	0.0	-3.65	-16.96	-0.72	3.98	0.04	186.35
		160.91	-0.98	1.43e-06	0.0	139.9	-3.65	-16.96	-0.72	3.98	-0.98	160.91
71	1	141.95	-0.02	1.57e-03	0.0	0.0	-2.64	-26.39	-0.02	-0.54	-0.02	141.95
		102.75	-0.04	1.51e-06	0.0	139.9	-2.64	-26.39	-0.02	-0.54	-0.04	102.75
71	6	222.43	-0.26	3.44e-03	0.0	0.0	-19.84	-46.71	-0.15	6.18	-0.26	222.43
		153.13	-0.46	2.57e-05	0.0	139.9	-19.84	-46.71	-0.15	6.18	-0.46	153.13
71	9	422.46	0.67	3.36e-03	0.0	0.0	-15.84	-79.59	-0.36	8.65	0.67	422.46

		303.69	0.18	3.24e-05	0.0	139.9	-15.84	-79.59	-0.36	8.65	0.18	303.69
71	10	159.64	1.87	1.77e-03	0.0	0.0	-8.98	-27.82	2.04	4.55	-0.98	159.64
		117.93	-0.98	-6.44e-06	0.0	139.9	-8.98	-27.82	2.04	4.55	1.87	117.93
72	1	101.50	-0.04	1.68e-03	0.0	0.0	-3.75	-30.81	-9.85e-03	-0.78	-0.04	101.50
		55.69	-0.06	0.0	0.0	139.9	-3.75	-30.81	-9.85e-03	-0.78	-0.06	55.69
72	8	213.12	-0.57	4.13e-03	0.0	0.0	-33.97	-69.05	-0.27	12.49	-0.57	213.12
		110.51	-0.95	3.19e-05	0.0	139.9	-33.97	-69.05	-0.27	12.49	-0.95	110.51
72	9	299.58	0.18	3.69e-03	0.0	0.0	-20.96	-93.33	-0.63	12.57	0.18	299.58
		160.48	-0.70	3.48e-05	0.0	139.9	-20.96	-93.33	-0.63	12.57	-0.70	160.48
72	10	116.42	1.87	1.90e-03	0.0	0.0	-25.98	-34.61	-1.28	6.01	1.87	116.42
		64.84	0.08	1.01e-05	0.0	139.9	-25.98	-34.61	-1.28	6.01	0.08	64.84
73	1	72.71	-0.05	-1.21e-03	0.0	0.0	-1.80	32.14	-1.40e-03	1.00	-0.05	38.89
		38.89	-0.06	0.0	0.0	99.0	-1.80	32.14	-1.40e-03	1.00	-0.06	72.71
73	6	148.09	-0.75	-2.60e-03	0.0	0.0	-1.70	66.40	0.70	-10.80	-1.45	78.09
		78.09	-1.45	-2.04e-05	0.0	99.0	-1.70	66.40	0.70	-10.80	-0.75	148.09
73	7	284.04	-0.34	-3.16e-03	0.0	0.0	-2.66	134.49	0.92	-10.28	-1.25	142.84
		142.84	-1.25	-2.11e-05	0.0	99.0	-2.66	134.49	0.92	-10.28	-0.34	284.04
73	10	78.29	0.04	-1.28e-03	0.0	0.0	3.76	34.30	-0.05	-4.06	0.04	42.19
		42.19	-0.01	1.16e-06	0.0	99.0	3.76	34.30	-0.05	-4.06	-0.01	78.29
74	1	104.61	-0.06	-1.17e-03	0.0	0.0	-1.41	29.41	-8.57e-03	0.72	-0.06	73.67
		73.67	-0.06	0.0	0.0	99.0	-1.41	29.41	-8.57e-03	0.72	-0.06	104.61
74	6	216.13	-0.57	-2.51e-03	0.0	0.0	-0.87	62.60	0.18	-9.01	-0.75	150.20
		150.20	-0.75	-2.59e-05	0.0	99.0	-0.87	62.60	0.18	-9.01	-0.57	216.13
74	7	444.37	0.17	-3.00e-03	0.0	0.0	-3.30	148.38	0.52	-7.94	-0.34	288.28
		288.28	-0.34	-2.36e-05	0.0	99.0	-3.30	148.38	0.52	-7.94	0.17	444.37
74	10	111.89	-0.01	-1.24e-03	0.0	0.0	3.75	30.94	-0.04	-3.40	-0.01	79.33
		79.33	-0.06	1.06e-06	0.0	99.0	3.75	30.94	-0.04	-3.40	-0.06	111.89
75	1	144.69	-0.02	-1.57e-03	0.0	0.0	-0.94	25.95	0.03	0.51	-0.06	105.63
		105.63	-0.06	-1.91e-06	0.0	141.6	-0.94	25.95	0.03	0.51	-0.02	144.69
75	6	304.77	-0.20	-3.38e-03	0.0	0.0	0.34	57.43	0.27	-8.54	-0.57	218.39
		218.39	-0.57	-4.40e-05	0.0	141.6	0.34	57.43	0.27	-8.54	-0.20	304.77
75	7	653.31	0.96	-3.85e-03	0.0	0.0	-5.65	135.38	0.56	-6.85	0.17	449.22
		449.22	0.17	-3.01e-05	0.0	141.6	-5.65	135.38	0.56	-6.85	0.96	653.31
75	10	154.08	-0.06	-1.66e-03	0.0	0.0	4.36	27.29	-0.09	-3.31	-0.06	112.98
		112.98	-0.18	0.0	0.0	141.6	4.36	27.29	-0.09	-3.31	-0.18	154.08
76	1	178.97	0.03	-1.41e-03	0.0	0.0	-0.59	22.07	0.03	0.24	-0.02	145.77
		145.77	-0.02	-2.22e-06	0.0	141.6	-0.59	22.07	0.03	0.24	0.03	178.97
76	7	655.77	0.96	-3.10e-03	0.0	0.0	-6.88	-30.49	-0.19	-5.65	0.96	655.77
		609.49	0.69	-1.69e-05	0.0	141.6	-6.88	-30.49	-0.19	-5.65	0.69	609.49
76	8	311.89	-0.01	-2.99e-03	0.0	0.0	0.65	44.96	0.19	-7.56	-0.28	244.27
		244.27	-0.28	-3.60e-05	0.0	141.6	0.65	44.96	0.19	-7.56	-0.01	311.89
76	10	191.01	-0.11	-1.49e-03	0.0	0.0	5.25	23.81	0.05	-3.25	-0.18	155.22
		155.22	-0.18	-1.92e-06	0.0	141.6	5.25	23.81	0.05	-3.25	-0.11	191.01
77	1	207.61	0.03	-1.20e-03	0.0	0.0	-0.04	18.45	-4.47e-04	-0.02	0.03	179.85
		179.85	0.03	-1.84e-06	0.0	141.6	-0.04	18.45	-4.47e-04	-0.02	0.03	207.61
77	7	608.72	0.69	-2.42e-03	0.0	0.0	-4.73e-03	-16.01	-0.27	-4.14	0.69	608.72
		584.88	0.31	-6.25e-06	0.0	141.6	-4.73e-03	-16.01	-0.27	-4.14	0.31	584.88
77	10	223.42	-0.03	-1.27e-03	0.0	0.0	4.48	20.92	0.06	-3.09	-0.11	191.96
		191.96	-0.11	-3.60e-06	0.0	141.6	4.48	20.92	0.06	-3.09	-0.03	223.42
78	1	230.64	0.03	-9.69e-04	0.0	0.0	0.65	14.78	4.74e-04	-0.21	0.03	208.36
		208.36	0.03	-1.43e-06	0.0	141.6	0.65	14.78	4.74e-04	-0.21	0.03	230.64
78	6	575.56	1.20	-2.07e-03	0.0	0.0	-1.36	67.48	0.39	-5.49	0.64	473.87
		473.87	0.64	-3.40e-05	0.0	141.6	-1.36	67.48	0.39	-5.49	1.20	575.56
78	7	584.89	0.31	-1.77e-03	0.0	0.0	4.92	-4.71	-0.06	-2.36	0.31	584.89
		578.37	0.23	-1.38e-06	0.0	141.6	4.92	-4.71	-0.06	-2.36	0.23	578.37
78	10	251.14	-5.91e-03	-1.02e-03	0.0	0.0	3.82	17.76	0.02	-2.76	-0.03	224.32
		224.32	-0.03	-4.06e-06	0.0	141.6	3.82	17.76	0.02	-2.76	-5.91e-03	251.14
79	1	247.06	0.03	-7.08e-04	0.0	0.0	1.10	10.49	8.87e-04	-0.30	0.03	231.24
		231.24	0.03	-1.01e-06	0.0	141.6	1.10	10.49	8.87e-04	-0.30	0.03	247.06
79	6	610.92	1.25	-1.42e-03	0.0	0.0	-4.88	22.13	0.04	-4.00	1.20	577.50
		577.50	1.20	-1.64e-05	0.0	141.6	-4.88	22.13	0.04	-4.00	1.25	610.92
79	7	578.49	0.23	-1.11e-03	0.0	0.0	5.90	-5.63	-0.02	-0.52	0.23	578.49
		570.39	0.20	2.21e-06	0.0	141.6	5.90	-5.63	-0.02	-0.52	0.20	570.39
79	10	272.46	0.01	-7.35e-04	0.0	0.0	3.61	13.59	0.01	-2.21	-5.92e-03	251.90
		251.90	-5.92e-03	-4.15e-06	0.0	141.6	3.61	13.59	0.01	-2.21	0.01	272.46
80	1	255.78	0.03	-4.33e-04	0.0	0.0	1.33	5.44	9.11e-04	-0.31	0.03	247.45
		247.45	0.03	0.0	0.0	143.7	1.33	5.44	9.11e-04	-0.31	0.03	255.78
80	6	611.15	1.25	-7.34e-04	0.0	0.0	-3.71	-21.81	-0.36	-2.20	1.25	611.15
		577.89	0.73	2.16e-06	0.0	143.7	-3.71	-21.81	-0.36	-2.20	0.73	577.89
80	7	570.15	0.20	-4.73e-04	0.0	0.0	5.70	-11.46	-0.03	1.09	0.20	570.15
		552.77	0.16	5.40e-06	0.0	143.7	5.70	-11.46	-0.03	1.09	0.16	552.77
80	10	286.18	0.04	-4.31e-04	0.0	0.0	3.41	8.55	0.02	-1.48	0.01	273.02
		273.02	0.01	-4.04e-06	0.0	143.7	3.41	8.55	0.02	-1.48	0.04	286.18
81	1	255.89	0.03	-1.36e-04	0.0	0.0	1.43	-0.11	-4.92e-03	-0.27	0.03	255.89
		255.68	0.02	0.0	0.0	143.7	1.43	-0.11	-4.92e-03	-0.27	0.02	255.68
81	6	577.41	0.73	-1.17e-04	0.0	0.0	0.73	-15.19	-0.87	-0.16	0.73	577.41
		554.38	-0.52	1.46e-05	0.0	143.7	0.73	-15.19	-0.87	-0.16	-0.52	554.38

81	7	552.11	0.16	1.69e-04	0.0	0.0	5.25	-18.10	-0.18	2.32	0.16	552.11
		524.41	-0.10	8.19e-06	0.0	143.7	5.25	-18.10	-0.18	2.32	-0.10	524.41
81	8	591.07	1.68	-5.07e-04	0.0	0.0	3.07	23.34	0.81	-3.04	0.51	555.91
		555.91	0.51	-2.06e-05	0.0	143.7	3.07	23.34	0.81	-3.04	1.68	591.07
82	1	255.60	0.03	1.61e-04	0.0	0.0	1.41	-0.09	5.93e-03	-0.18	0.02	255.60
		255.50	0.02	0.0	0.0	143.7	1.41	-0.09	5.93e-03	-0.18	0.03	255.50
82	7	522.58	0.30	7.77e-04	0.0	0.0	4.68	-21.66	-0.12	3.23	0.30	522.58
		489.44	0.13	1.03e-05	0.0	143.7	4.68	-21.66	-0.12	3.23	0.13	489.44
82	8	649.76	1.23	1.79e-04	0.0	0.0	-0.27	37.52	0.86	0.92	-1.38e-03	592.06
		592.06	-1.38e-03	-7.66e-06	0.0	143.7	-0.27	37.52	0.86	0.92	1.23	649.76
82	9	459.79	0.25	-4.76e-05	0.0	0.0	4.65	2.61	0.32	-1.33	-0.22	455.93
		455.93	-0.22	-8.86e-06	0.0	143.7	4.65	2.61	0.32	-1.33	0.25	459.79
83	1	255.39	0.03	4.58e-04	0.0	0.0	1.28	-4.97	-8.43e-04	-0.09	0.03	255.39
		247.78	0.03	0.0	0.0	143.7	1.28	-4.97	-8.43e-04	-0.09	0.03	247.78
83	8	650.07	1.25	9.34e-04	0.0	0.0	-4.96	-12.82	0.01	2.93	1.23	650.07
		630.28	1.23	1.17e-05	0.0	143.7	-4.96	-12.82	0.01	2.93	1.25	630.28
83	9	459.64	0.32	5.75e-04	0.0	0.0	3.98	-1.61	0.05	0.29	0.25	459.64
		456.91	0.25	-4.64e-06	0.0	143.7	3.98	-1.61	0.05	0.29	0.32	456.91
83	10	270.19	0.09	5.56e-04	0.0	0.0	1.96	-16.95	0.02	1.73	0.05	270.19
		244.15	0.05	-1.89e-06	0.0	143.7	1.96	-16.95	0.02	1.73	0.09	244.15
84	1	247.44	0.03	7.46e-04	0.0	0.0	0.99	-9.38	-2.65e-03	-0.02	0.03	247.44
		233.11	0.03	1.33e-06	0.0	143.7	0.99	-9.38	-2.65e-03	-0.02	0.03	233.11
84	6	473.93	0.23	1.74e-03	0.0	0.0	2.97	-33.38	-0.07	6.06	0.23	473.93
		422.86	0.12	3.03e-05	0.0	143.7	2.97	-33.38	-0.07	6.06	0.12	422.86
84	8	628.58	1.25	1.66e-03	0.0	0.0	-4.19	-60.80	-0.38	4.69	1.25	628.58
		535.52	0.70	3.06e-05	0.0	143.7	-4.19	-60.80	-0.38	4.69	0.70	535.52
84	10	243.28	0.12	8.38e-04	0.0	0.0	0.69	-17.22	0.02	2.39	0.09	243.28
		217.06	0.09	0.0	0.0	143.7	0.69	-17.22	0.02	2.39	0.12	217.06
85	6	421.26	0.12	2.16e-03	0.0	0.0	2.31	-36.86	-0.09	6.71	0.12	421.26
		366.40	8.14e-04	3.13e-05	0.0	139.9	2.31	-36.86	-0.09	6.71	8.14e-04	366.40
85	7	399.44	0.05	2.26e-03	0.0	0.0	1.22	-33.60	-0.05	4.29	0.05	399.44
		349.46	-0.02	1.40e-05	0.0	139.9	1.22	-33.60	-0.05	4.29	-0.02	349.46
85	8	533.34	0.70	2.22e-03	0.0	0.0	-0.27	-49.43	-0.33	6.27	0.70	533.34
		460.12	0.25	4.05e-05	0.0	139.9	-0.27	-49.43	-0.33	6.27	0.25	460.12
85	9	469.73	0.80	1.58e-03	0.0	0.0	-2.28	8.79	0.23	3.29	0.80	469.73
		456.65	0.48	7.80e-06	0.0	139.9	-2.28	8.79	0.23	3.29	0.48	456.65
85	10	216.48	0.12	1.06e-03	0.0	0.0	-0.88	-15.99	-0.07	2.67	0.12	216.48
		192.82	0.02	1.11e-06	0.0	139.9	-0.88	-15.99	-0.07	2.67	0.02	192.82
86	6	364.68	8.18e-04	2.56e-03	0.0	0.0	1.48	-40.43	-0.09	6.96	8.18e-04	364.68
		304.52	-0.12	3.13e-05	0.0	139.9	1.48	-40.43	-0.09	6.96	-0.12	304.52
86	9	484.36	0.80	2.10e-03	0.0	0.0	-6.65	9.71	-0.26	4.56	0.80	469.92
		469.92	0.44	1.85e-05	0.0	139.9	-6.65	9.71	-0.26	4.56	0.44	484.36
86	10	192.07	0.02	1.27e-03	0.0	0.0	-2.09	-15.91	-0.06	2.81	0.02	192.07
		168.28	-0.06	1.53e-06	0.0	139.9	-2.09	-15.91	-0.06	2.81	-0.06	168.28
87	6	302.65	-0.12	2.90e-03	0.0	0.0	0.37	-44.19	-0.10	6.92	-0.12	302.65
		236.90	-0.27	2.95e-05	0.0	139.9	0.37	-44.19	-0.10	6.92	-0.27	236.90
87	8	383.27	-0.02	3.14e-03	0.0	0.0	0.47	-53.99	-0.17	8.63	-0.02	383.27
		303.06	-0.26	4.40e-05	0.0	139.9	0.47	-53.99	-0.17	8.63	-0.26	303.06
87	9	482.91	0.44	2.63e-03	0.0	0.0	-6.52	-75.81	-1.91e-05	5.77	0.44	482.91
		370.09	0.44	2.57e-05	0.0	139.9	-6.52	-75.81	-1.91e-05	5.77	0.44	370.09
87	10	167.54	-0.06	1.45e-03	0.0	0.0	-3.25	-17.88	-0.07	2.98	-0.06	167.54
		141.03	-0.16	0.0	0.0	139.9	-3.25	-17.88	-0.07	2.98	-0.16	141.03
88	8	300.53	-0.26	3.48e-03	0.0	0.0	-0.43	-59.97	-0.21	9.35	-0.26	300.53
		211.30	-0.56	4.01e-05	0.0	139.9	-0.43	-59.97	-0.21	9.35	-0.56	211.30
88	9	366.96	0.44	3.04e-03	0.0	0.0	-7.49	-77.75	-0.23	7.23	0.44	366.96
		251.51	0.11	3.16e-05	0.0	139.9	-7.49	-77.75	-0.23	7.23	0.11	251.51
88	10	140.22	0.70	1.61e-03	0.0	0.0	-7.20	-22.94	0.61	3.36	-0.16	140.22
		106.16	-0.16	0.0	0.0	139.9	-7.20	-22.94	0.61	3.36	0.70	106.16
89	1	104.98	-0.04	1.70e-03	0.0	0.0	-1.39	-32.19	-7.53e-03	-0.42	-0.04	104.98
		57.08	-0.05	0.0	0.0	139.9	-1.39	-32.19	-7.53e-03	-0.42	-0.05	57.08
89	8	208.48	-0.56	3.71e-03	0.0	0.0	-1.18	-65.41	-0.29	12.78	-0.56	208.48
		111.14	-0.97	3.22e-05	0.0	139.9	-1.18	-65.41	-0.29	12.78	-0.97	111.14
89	9	248.28	0.11	3.31e-03	0.0	0.0	-5.38	-77.98	-0.51	11.31	0.11	248.28
		132.55	-0.61	3.33e-05	0.0	139.9	-5.38	-77.98	-0.51	11.31	-0.61	132.55
89	10	104.99	0.70	1.72e-03	0.0	0.0	-14.93	-29.96	-0.25	4.92	0.70	104.99
		60.47	0.34	7.93e-06	0.0	139.9	-14.93	-29.96	-0.25	4.92	0.34	60.47
90	1	76.76	-0.05	-1.23e-03	0.0	0.0	0.64	33.92	-2.01e-03	0.49	-0.05	41.06
		41.06	-0.06	0.0	0.0	99.0	0.64	33.92	-2.01e-03	0.49	-0.06	76.76
90	6	137.51	-0.76	-2.31e-03	0.0	0.0	39.30	60.16	0.69	-11.04	-1.45	74.44
		74.44	-1.45	-2.05e-05	0.0	99.0	39.30	60.16	0.69	-11.04	-0.76	137.51
90	7	243.48	-0.27	-2.84e-03	0.0	0.0	19.02	109.23	0.97	-13.35	-1.23	128.72
		128.72	-1.23	-2.08e-05	0.0	99.0	19.02	109.23	0.97	-13.35	-0.27	243.48
90	10	76.33	0.05	-1.17e-03	0.0	0.0	5.21	33.05	-0.07	-4.25	0.05	41.65
		41.65	-0.03	1.13e-06	0.0	99.0	5.21	33.05	-0.07	-4.25	-0.03	76.33
91	1	110.14	-0.05	-1.19e-03	0.0	0.0	0.65	30.77	1.64e-03	0.39	-0.06	77.78
		77.78	-0.06	0.0	0.0	99.0	0.65	30.77	1.64e-03	0.39	-0.05	110.14
91	6	198.88	-0.55	-2.23e-03	0.0	0.0	32.77	56.46	0.22	-9.17	-0.76	139.37

		139.37	-0.76	-2.60e-05	0.0	99.0	32.77	56.46	0.22	-9.17	-0.55	198.88
91	7	356.98	0.22	-2.70e-03	0.0	0.0	12.22	104.48	0.49	-10.43	-0.27	246.95
		246.95	-0.27	-2.27e-05	0.0	99.0	12.22	104.48	0.49	-10.43	0.22	356.98
91	10	108.82	-0.03	-1.13e-03	0.0	0.0	5.55	29.88	-0.05	-3.56	-0.03	77.33
		77.33	-0.08	0.0	0.0	99.0	5.55	29.88	-0.05	-3.56	-0.08	108.82
92	1	151.39	-0.02	-1.59e-03	0.0	0.0	0.58	26.73	0.02	0.32	-0.05	111.19
		111.19	-0.05	-1.83e-06	0.0	141.6	0.58	26.73	0.02	0.32	-0.02	151.39
92	6	279.45	-0.18	-2.99e-03	0.0	0.0	24.20	52.12	0.26	-8.69	-0.55	200.96
		200.96	-0.55	-4.38e-05	0.0	141.6	24.20	52.12	0.26	-8.69	-0.18	279.45
92	7	524.58	0.77	-3.50e-03	0.0	0.0	3.13	108.30	0.39	-8.07	0.22	361.28
		361.28	0.22	-2.88e-05	0.0	141.6	3.13	108.30	0.39	-8.07	0.77	524.58
92	8	246.59	-0.28	-2.93e-03	0.0	0.0	25.26	45.63	0.18	-7.57	-0.53	177.84
		177.84	-0.53	-3.15e-05	0.0	141.6	25.26	45.63	0.18	-7.57	-0.28	246.59
92	10	149.09	-0.08	-1.51e-03	0.0	0.0	6.32	26.02	-0.05	-3.42	-0.08	109.89
		109.89	-0.14	0.0	0.0	141.6	6.32	26.02	-0.05	-3.42	-0.14	149.09
93	7	527.34	0.77	-2.90e-03	0.0	0.0	-7.11	0.43	-0.06	-4.46	0.77	526.95
		526.95	0.68	-1.78e-05	0.0	141.6	-7.11	0.43	-0.06	-4.46	0.68	527.34
93	8	308.96	-0.04	-2.65e-03	0.0	0.0	16.70	40.11	0.16	-7.51	-0.28	248.53
		248.53	-0.28	-3.57e-05	0.0	141.6	16.70	40.11	0.16	-7.51	-0.04	308.96
93	10	182.55	-0.11	-1.34e-03	0.0	0.0	6.96	21.50	0.02	-3.26	-0.14	150.16
		150.16	-0.14	-1.76e-06	0.0	141.6	6.96	21.50	0.02	-3.26	-0.11	182.55
94	7	529.04	0.68	-2.30e-03	0.0	0.0	-10.30	1.35	-0.21	-2.00	0.68	527.15
		527.15	0.38	-7.62e-06	0.0	141.6	-10.30	1.35	-0.21	-2.00	0.38	529.04
94	8	363.04	0.09	-2.31e-03	0.0	0.0	7.45	34.76	0.09	-7.26	-0.04	310.66
		310.66	-0.04	-3.65e-05	0.0	141.6	7.45	34.76	0.09	-7.26	0.09	363.04
94	10	209.28	-0.04	-1.13e-03	0.0	0.0	6.35	17.16	0.05	-3.00	-0.11	183.43
		183.43	-0.11	-3.37e-06	0.0	141.6	6.35	17.16	0.05	-3.00	-0.04	209.28
95	6	488.02	1.11	-1.80e-03	0.0	0.0	-20.54	41.38	0.31	-5.93	0.68	425.63
		425.63	0.68	-3.28e-05	0.0	141.6	-20.54	41.38	0.31	-5.93	1.11	488.02
95	7	528.93	0.38	-1.71e-03	0.0	0.0	-9.89	-1.33	-0.09	-0.59	0.38	528.93
		526.88	0.25	-1.72e-06	0.0	141.6	-9.89	-1.33	-0.09	-0.59	0.25	526.88
95	10	229.27	-8.03e-03	-8.98e-04	0.0	0.0	5.16	12.81	0.02	-2.61	-0.04	209.96
		209.96	-0.04	-4.01e-06	0.0	141.6	5.16	12.81	0.02	-2.61	-8.03e-03	229.27
96	6	511.55	1.16	-1.24e-03	0.0	0.0	-30.95	14.70	0.03	-3.69	1.16	489.38
		489.38	1.11	-1.64e-05	0.0	141.6	-30.95	14.70	0.03	-3.69	1.16	511.55
96	7	526.80	0.25	-1.11e-03	0.0	0.0	-8.91	-3.34	-0.03	0.45	0.25	526.80
		521.84	0.21	-2.18e-06	0.0	141.6	-8.91	-3.34	-0.03	0.45	0.21	521.84
96	10	242.12	0.01	-6.38e-04	0.0	0.0	3.90	8.19	0.01	-2.05	-8.03e-03	229.76
		229.76	-8.03e-03	-4.14e-06	0.0	141.6	3.90	8.19	0.01	-2.05	0.01	242.12
97	6	511.60	1.16	-6.70e-04	0.0	0.0	-33.93	-10.04	-0.27	-1.19	1.16	511.60
		496.23	0.76	-1.48e-06	0.0	143.7	-33.93	-10.04	-0.27	-1.19	0.76	496.23
97	7	521.68	0.21	-5.29e-04	0.0	0.0	-7.63	-6.54	-0.03	1.38	0.21	521.68
		511.80	0.16	-5.41e-06	0.0	143.7	-7.63	-6.54	-0.03	1.38	0.16	511.80
97	10	247.31	0.04	-3.68e-04	0.0	0.0	2.58	3.20	0.02	-1.27	0.01	242.39
		242.39	0.01	-4.02e-06	0.0	143.7	2.58	3.20	0.02	-1.27	0.04	247.31
98	6	495.56	0.76	-1.24e-04	0.0	0.0	-30.26	-15.09	-0.71	0.79	0.76	495.56
		472.48	-0.26	1.36e-05	0.0	143.7	-30.26	-15.09	-0.71	0.79	-0.26	472.48
98	7	511.47	0.16	6.51e-05	0.0	0.0	-6.12	-10.85	-0.15	2.24	0.16	511.47
		495.06	-0.06	8.16e-06	0.0	143.7	-6.12	-10.85	-0.15	2.24	-0.06	495.06
98	8	500.32	1.63	-3.83e-04	0.0	0.0	-26.23	14.80	0.76	-2.85	0.53	477.51
		477.51	0.53	-1.99e-05	0.0	143.7	-26.23	14.80	0.76	-2.85	1.63	500.32
98	10	247.36	0.15	-8.73e-05	0.0	0.0	1.20	-1.98	0.08	-0.38	0.04	247.36
		244.40	0.04	-3.53e-06	0.0	143.7	1.20	-1.98	0.08	-0.38	0.15	244.40
99	8	529.41	1.13	1.99e-04	0.0	0.0	-33.26	18.16	0.55	-0.44	0.34	501.61
		501.61	0.34	-6.03e-06	0.0	143.7	-33.26	18.16	0.55	-0.44	1.13	529.41
99	9	402.02	0.25	9.81e-05	0.0	0.0	-9.89	2.64	0.25	-1.05	-0.11	398.08
		398.08	-0.11	-8.76e-06	0.0	143.7	-9.89	2.64	0.25	-1.05	0.25	402.02
99	10	244.12	0.06	2.03e-04	0.0	0.0	-0.22	-7.41	0.09	1.00	-0.08	244.12
		232.70	-0.08	-2.83e-06	0.0	143.7	-0.22	-7.41	0.09	1.00	0.06	232.70
100	1	252.11	0.03	4.66e-04	0.0	0.0	-0.38	-5.48	-8.59e-04	-0.23	0.03	252.11
		243.76	0.03	0.0	0.0	143.7	-0.38	-5.48	-8.59e-04	-0.23	0.03	243.76
100	8	529.85	1.16	8.16e-04	0.0	0.0	-37.07	-5.01	0.02	2.43	1.16	529.85
		522.27	1.13	1.18e-05	0.0	143.7	-37.07	-5.01	0.02	2.43	1.16	522.27
100	10	232.31	0.09	4.73e-04	0.0	0.0	-1.64	-8.84	0.02	1.81	0.06	232.31
		218.79	0.06	-1.80e-06	0.0	143.7	-1.64	-8.84	0.02	1.81	0.09	218.79
101	1	243.46	0.03	7.50e-04	0.0	0.0	-0.34	-8.21	-4.09e-03	-0.13	0.03	243.46
		230.92	0.02	1.34e-06	0.0	143.7	-0.34	-8.21	-4.09e-03	-0.13	0.02	230.92
101	8	521.36	1.16	1.42e-03	0.0	0.0	-32.64	-32.26	-0.30	5.24	1.16	521.36
		471.99	0.73	2.94e-05	0.0	143.7	-32.64	-32.26	-0.30	5.24	0.73	471.99
101	10	218.38	0.09	7.27e-04	0.0	0.0	-3.01	-9.66	6.61e-04	2.43	0.09	218.38
		203.63	0.09	0.0	0.0	143.7	-3.01	-9.66	6.61e-04	2.43	0.09	203.63
102	7	392.11	0.05	2.08e-03	0.0	0.0	0.61	-28.50	-0.05	4.16	0.05	392.11
		349.66	-0.02	1.40e-05	0.0	139.9	0.61	-28.50	-0.05	4.16	-0.02	349.66
102	8	470.29	0.73	1.91e-03	0.0	0.0	-21.56	-36.81	-0.31	7.01	0.73	470.29
		415.31	0.29	3.96e-05	0.0	139.9	-21.56	-36.81	-0.31	7.01	0.29	415.31
102	10	203.15	0.09	9.35e-04	0.0	0.0	-4.06	-11.61	-0.05	2.79	0.09	203.15
		185.84	0.03	0.0	0.0	139.9	-4.06	-11.61	-0.05	2.79	0.03	185.84

103	6	349.32	-6.27e-03	2.25e-03	0.0	0.0	4.35	-32.37	-0.08	6.95	-6.27e-03	349.32
		301.23	-0.12	3.12e-05	0.0	139.9	4.35	-32.37	-0.08	6.95	-0.12	301.23
103	8	413.55	0.29	2.37e-03	0.0	0.0	-8.34	-40.49	-0.22	8.12	0.29	413.55
		353.41	-0.02	4.40e-05	0.0	139.9	-8.34	-40.49	-0.22	8.12	-0.02	353.41
103	9	404.64	0.68	1.91e-03	0.0	0.0	-15.95	-1.56	-0.12	4.33	0.68	404.64
		402.48	0.50	1.82e-05	0.0	139.9	-15.95	-1.56	-0.12	4.33	0.50	402.48
103	10	185.25	0.03	1.14e-03	0.0	0.0	-4.63	-14.75	-0.06	3.00	0.03	185.25
		163.33	-0.05	1.27e-06	0.0	139.9	-4.63	-14.75	-0.06	3.00	-0.05	163.33
104	6	299.68	-0.12	2.59e-03	0.0	0.0	11.32	-38.78	-0.10	7.13	-0.12	299.68
		242.01	-0.27	2.94e-05	0.0	139.9	11.32	-38.78	-0.10	7.13	-0.27	242.01
104	9	401.18	0.50	2.35e-03	0.0	0.0	-9.78	-58.26	-0.08	6.44	0.50	401.18
		314.41	0.39	2.58e-05	0.0	139.9	-9.78	-58.26	-0.08	6.44	0.39	314.41
104	10	162.60	0.04	1.32e-03	0.0	0.0	-5.10	-18.50	0.07	3.09	-0.05	162.60
		135.07	-0.05	0.0	0.0	139.9	-5.10	-18.50	0.07	3.09	0.04	135.07
105	8	281.49	-0.26	3.07e-03	0.0	0.0	18.28	-53.25	-0.20	9.28	-0.26	281.49
		202.23	-0.54	3.99e-05	0.0	139.9	18.28	-53.25	-0.20	9.28	-0.54	202.23
105	9	311.67	0.39	2.70e-03	0.0	0.0	-0.80	-61.08	-0.21	7.87	0.39	311.67
		220.71	0.09	3.13e-05	0.0	139.9	-0.80	-61.08	-0.21	7.87	0.09	220.71
105	10	134.15	0.45	1.47e-03	0.0	0.0	-6.96	-23.22	0.29	3.17	0.04	134.15
		99.58	0.04	1.60e-06	0.0	139.9	-6.96	-23.22	0.29	3.17	0.45	99.58
106	8	199.51	-0.54	3.29e-03	0.0	0.0	29.79	-60.84	-0.36	12.36	-0.54	199.51
		108.88	-1.04	3.21e-05	0.0	139.9	29.79	-60.84	-0.36	12.36	-1.04	108.88
106	9	217.65	0.09	2.94e-03	0.0	0.0	10.53	-67.45	-0.56	11.15	0.09	217.65
		117.20	-0.69	3.25e-05	0.0	139.9	10.53	-67.45	-0.56	11.15	-0.69	117.20
106	10	98.38	0.45	1.58e-03	0.0	0.0	-9.07	-28.60	-0.15	4.24	0.45	98.38
		55.85	0.23	7.49e-06	0.0	139.9	-9.07	-28.60	-0.15	4.24	0.23	55.85
107	1	77.49	-0.05	-1.24e-03	0.0	0.0	3.01	34.54	-0.02	0.27	-0.05	77.49
		41.44	-0.07	0.0	0.0	99.0	3.01	34.54	-0.02	0.27	-0.07	41.44
107	6	132.31	-1.18	-2.02e-03	0.0	0.0	98.01	56.02	0.28	-9.38	-1.45	73.45
		73.45	-1.45	-2.04e-05	0.0	99.0	98.01	56.02	0.28	-9.38	-1.18	132.31
107	7	193.43	-0.46	-2.48e-03	0.0	0.0	61.05	82.71	0.83	-11.54	-1.28	106.82
		106.82	-1.28	-2.07e-05	0.0	99.0	61.05	82.71	0.83	-11.54	-0.46	193.43
107	10	75.00	0.06	-1.06e-03	0.0	0.0	4.57	31.71	-0.12	-3.67	0.06	41.74
		41.74	-0.06	1.14e-06	0.0	99.0	4.57	31.71	-0.12	-3.67	-0.06	75.00
108	1	111.34	-0.05	-1.20e-03	0.0	0.0	3.19	32.47	0.02	0.32	-0.07	78.28
		78.28	-0.07	0.0	0.0	99.0	3.19	32.47	0.02	0.32	-0.05	111.34
108	6	185.69	-0.48	-1.95e-03	0.0	0.0	84.79	46.46	0.70	-9.49	-1.18	134.64
		134.64	-1.18	-2.62e-05	0.0	99.0	84.79	46.46	0.70	-9.49	-0.48	185.69
108	7	270.52	0.26	-2.37e-03	0.0	0.0	37.72	68.75	0.72	-10.82	-0.46	196.44
		196.44	-0.46	-2.25e-05	0.0	99.0	37.72	68.75	0.72	-10.82	0.26	270.52
108	10	104.44	-0.06	-1.02e-03	0.0	0.0	7.36	26.32	-0.02	-3.71	-0.06	76.14
		76.14	-0.08	0.0	0.0	99.0	7.36	26.32	-0.02	-3.71	-0.08	104.44
109	1	153.57	-0.02	-1.60e-03	0.0	0.0	2.49	28.64	0.02	0.30	-0.05	111.87
		111.87	-0.05	-1.80e-06	0.0	141.6	2.49	28.64	0.02	0.30	-0.02	153.57
109	6	255.14	-0.17	-2.60e-03	0.0	0.0	55.86	42.07	0.22	-8.82	-0.48	188.71
		188.71	-0.48	-4.34e-05	0.0	141.6	55.86	42.07	0.22	-8.82	-0.17	255.14
109	7	362.28	0.71	-3.12e-03	0.0	0.0	7.07	57.62	0.32	-8.24	0.26	273.93
		273.93	0.26	-2.81e-05	0.0	141.6	7.07	57.62	0.32	-8.24	0.71	362.28
109	8	239.26	-0.27	-2.59e-03	0.0	0.0	56.06	39.22	0.15	-7.67	-0.48	177.61
		177.61	-0.48	-3.13e-05	0.0	141.6	56.06	39.22	0.15	-7.67	-0.27	239.26
109	10	140.78	-0.08	-1.35e-03	0.0	0.0	9.44	22.64	-0.04	-3.45	-0.08	105.76
		105.76	-0.13	0.0	0.0	141.6	9.44	22.64	-0.04	-3.45	-0.13	140.78
110	7	426.04	0.71	-2.71e-03	0.0	0.0	-20.49	39.48	-0.03	-4.62	0.71	365.24
		365.24	0.67	-1.79e-05	0.0	141.6	-20.49	39.48	-0.03	-4.62	0.67	426.04
110	8	294.59	-0.05	-2.32e-03	0.0	0.0	34.04	32.96	0.16	-7.42	-0.27	242.23
		242.23	-0.27	-3.54e-05	0.0	141.6	34.04	32.96	0.16	-7.42	-0.05	294.59
110	10	170.37	-0.10	-1.19e-03	0.0	0.0	10.83	18.04	0.02	-3.22	-0.13	142.19
		142.19	-0.13	-1.72e-06	0.0	141.6	10.83	18.04	0.02	-3.22	-0.10	170.37
111	6	364.35	0.67	-1.95e-03	0.0	0.0	-18.07	28.56	0.32	-7.18	0.23	318.68
		318.68	0.23	-4.24e-05	0.0	141.6	-18.07	28.56	0.32	-7.18	0.67	364.35
111	7	465.35	0.67	-2.22e-03	0.0	0.0	-30.20	24.72	-0.19	-1.91	0.67	427.82
		427.82	0.40	-7.99e-06	0.0	141.6	-30.20	24.72	-0.19	-1.91	0.40	465.35
111	8	339.55	0.09	-1.98e-03	0.0	0.0	12.99	26.20	0.10	-7.04	-0.05	297.31
		297.31	-0.05	-3.62e-05	0.0	141.6	12.99	26.20	0.10	-7.04	0.09	339.55
111	10	192.39	-0.04	-1.00e-03	0.0	0.0	9.73	13.11	0.04	-2.92	-0.10	171.60
		171.60	-0.10	-3.28e-06	0.0	141.6	9.73	13.11	0.04	-2.92	-0.04	192.39
112	6	398.14	1.07	-1.53e-03	0.0	0.0	-50.54	19.50	0.28	-5.64	0.67	366.67
		366.67	0.67	-3.22e-05	0.0	141.6	-50.54	19.50	0.28	-5.64	1.07	398.14
112	7	485.28	0.40	-1.69e-03	0.0	0.0	-29.09	12.89	-0.10	-0.27	0.40	466.14
		466.14	0.26	-1.85e-06	0.0	141.6	-29.09	12.89	-0.10	-0.27	0.26	485.28
112	10	206.42	-8.50e-03	-7.83e-04	0.0	0.0	7.18	7.97	0.02	-2.50	-0.04	193.39
		193.39	-0.04	-3.97e-06	0.0	141.6	7.18	7.97	0.02	-2.50	-8.50e-03	206.42
113	6	414.82	1.12	-1.08e-03	0.0	0.0	-72.54	9.01	0.03	-3.51	1.07	399.71
		399.71	1.07	-1.63e-05	0.0	141.6	-72.54	9.01	0.03	-3.51	1.12	414.82
113	7	490.40	0.26	-1.15e-03	0.0	0.0	-25.28	3.68	-0.03	0.77	0.26	485.40
		485.40	0.21	2.13e-06	0.0	141.6	-25.28	3.68	-0.03	0.77	0.21	490.40
113	10	212.16	0.01	-5.49e-04	0.0	0.0	4.44	2.71	0.01	-1.94	-8.50e-03	207.15

		207.15	-8.50e-03	-4.11e-06	0.0	141.6	4.44	2.71	0.01	-1.94	0.01	212.16
114	6	415.59	1.12	-6.18e-04	0.0	0.0	-78.11	-1.42	-0.21	-1.25	1.12	415.59
		414.31	0.82	-1.65e-06	0.0	143.7	-78.11	-1.42	-0.21	-1.25	0.82	414.31
114	7	490.07	0.21	-5.97e-04	0.0	0.0	-21.41	-3.68	-0.02	1.47	0.21	490.07
		483.76	0.18	5.39e-06	0.0	143.7	-21.41	-3.68	-0.02	1.47	0.18	483.76
114	10	212.59	0.03	-3.12e-04	0.0	0.0	1.80	-2.71	0.01	-1.23	0.01	212.59
		209.21	0.01	-3.99e-06	0.0	143.7	1.80	-2.71	0.01	-1.23	0.03	209.21
115	1	259.77	0.04	-1.19e-04	0.0	0.0	-2.21	0.47	6.17e-03	-0.26	0.03	258.96
		258.96	0.03	0.0	0.0	143.7	-2.21	0.47	6.17e-03	-0.26	0.04	259.77
115	6	414.24	0.82	-1.46e-04	0.0	0.0	-69.12	-10.27	-0.18	0.38	0.82	414.24
		398.63	0.55	1.27e-05	0.0	143.7	-69.12	-10.27	-0.18	0.38	0.55	398.63
115	7	483.07	0.18	-8.72e-05	0.0	0.0	-17.56	-10.03	-0.02	1.83	0.18	483.07
		467.01	0.15	8.00e-06	0.0	143.7	-17.56	-10.03	-0.02	1.83	0.15	467.01
115	8	409.79	1.58	-2.57e-04	0.0	0.0	-60.46	-2.33	0.74	-3.27	0.51	409.79
		407.79	0.51	-2.00e-05	0.0	143.7	-60.46	-2.33	0.74	-3.27	1.58	407.79
115	10	209.26	0.09	-7.31e-05	0.0	0.0	-0.76	-8.08	0.04	-0.57	0.03	209.26
		197.40	0.03	-3.51e-06	0.0	143.7	-0.76	-8.08	0.04	-0.57	0.09	197.40
116	1	259.98	0.04	1.85e-04	0.0	0.0	-2.22	-5.96	-6.20e-03	-0.14	0.04	259.98
		251.20	0.03	0.0	0.0	143.7	-2.22	-5.96	-6.20e-03	-0.14	0.03	251.20
116	7	462.86	0.26	5.06e-04	0.0	0.0	-13.71	-12.90	-0.09	3.24	0.26	462.86
		442.02	0.13	1.04e-05	0.0	143.7	-13.71	-12.90	-0.09	3.24	0.13	442.02
116	8	417.72	1.16	2.19e-04	0.0	0.0	-77.85	5.17	-0.02	0.29	1.16	410.16
		410.16	1.13	-5.40e-06	0.0	143.7	-77.85	5.17	-0.02	0.29	1.13	417.72
116	10	197.25	0.07	1.61e-04	0.0	0.0	-3.19	0.65	0.03	1.22	0.02	196.78
		196.78	0.02	-2.76e-06	0.0	143.7	-3.19	0.65	0.03	1.22	0.07	197.25
117	1	251.10	0.03	4.77e-04	0.0	0.0	-2.10	-7.24	-1.42e-03	-0.22	0.03	251.10
		240.48	0.03	0.0	0.0	143.7	-2.10	-7.24	-1.42e-03	-0.22	0.03	240.48
117	7	440.78	0.13	1.02e-03	0.0	0.0	-9.71	-15.87	-0.03	3.51	0.13	440.78
		415.27	0.09	1.23e-05	0.0	143.7	-9.71	-15.87	-0.03	3.51	0.09	415.27
117	8	417.42	1.13	7.05e-04	0.0	0.0	-84.10	-1.58	-0.01	2.49	1.13	417.42
		413.69	1.12	1.17e-05	0.0	143.7	-84.10	-1.58	-0.01	2.49	1.12	413.69
117	10	196.88	0.09	3.90e-04	0.0	0.0	-5.41	-1.29	0.02	1.83	0.07	196.88
		194.01	0.07	-1.76e-06	0.0	143.7	-5.41	-1.29	0.02	1.83	0.09	194.01
118	1	240.36	0.03	7.57e-04	0.0	0.0	-1.77	-8.66	-4.42e-03	-0.17	0.03	240.36
		227.61	0.02	1.34e-06	0.0	143.7	-1.77	-8.66	-4.42e-03	-0.17	0.02	227.61
118	7	413.82	0.09	1.50e-03	0.0	0.0	-5.23	-18.64	-0.03	3.89	0.09	413.82
		383.97	0.04	1.37e-05	0.0	143.7	-5.23	-18.64	-0.03	3.89	0.04	383.97
118	8	412.54	1.12	1.19e-03	0.0	0.0	-75.05	-8.69	-0.27	5.10	1.12	412.54
		396.99	0.73	2.88e-05	0.0	143.7	-75.05	-8.69	-0.27	5.10	0.73	396.99
118	10	193.37	0.09	6.15e-04	0.0	0.0	-7.10	-2.86	-3.22e-03	2.45	0.09	193.37
		187.78	0.08	0.0	0.0	143.7	-7.10	-2.86	-3.22e-03	2.45	0.08	187.78
119	6	355.34	0.12	1.58e-03	0.0	0.0	-7.52	-14.56	-0.13	6.63	0.12	355.34
		330.80	-0.06	3.11e-05	0.0	139.9	-7.52	-14.56	-0.13	6.63	-0.06	330.80
119	7	382.37	0.04	1.89e-03	0.0	0.0	2.68e-03	-22.62	-0.07	4.28	0.04	382.37
		347.42	-0.05	1.40e-05	0.0	139.9	2.68e-03	-22.62	-0.07	4.28	-0.05	347.42
119	8	395.05	0.73	1.60e-03	0.0	0.0	-51.19	-15.71	-0.25	7.33	0.73	395.05
		368.57	0.38	3.90e-05	0.0	139.9	-51.19	-15.71	-0.25	7.33	0.38	368.57
119	9	352.05	0.84	1.34e-03	0.0	0.0	-41.22	-7.34	0.23	2.97	0.52	352.05
		339.75	0.52	8.76e-06	0.0	139.9	-41.22	-7.34	0.23	2.97	0.84	339.75
119	10	186.94	0.08	8.08e-04	0.0	0.0	-7.69	-5.40	-0.02	2.98	0.08	186.94
		177.58	0.06	0.0	0.0	139.9	-7.69	-5.40	-0.02	2.98	0.06	177.58
120	6	328.64	-0.06	1.95e-03	0.0	0.0	7.96	-25.20	-0.05	6.62	-0.06	328.64
		290.96	-0.14	3.10e-05	0.0	139.9	7.96	-25.20	-0.05	6.62	-0.14	290.96
120	8	366.14	0.38	2.00e-03	0.0	0.0	-19.03	-28.33	-0.24	7.93	0.38	366.14
		323.80	0.05	4.35e-05	0.0	139.9	-19.03	-28.33	-0.24	7.93	0.05	323.80
120	9	338.23	0.84	1.72e-03	0.0	0.0	-34.93	-18.79	-0.17	4.38	0.84	338.23
		310.01	0.60	1.81e-05	0.0	139.9	-34.93	-18.79	-0.17	4.38	0.60	310.01
120	10	176.56	0.06	1.00e-03	0.0	0.0	-6.86	-11.71	-0.06	2.95	0.06	176.56
		159.07	-0.03	1.20e-06	0.0	139.9	-6.86	-11.71	-0.06	2.95	-0.03	159.07
121	1	-19.51	0.34	-1.02e-03	0.0	0.0	12.50	-32.62	0.38	1.60	-0.26	-19.51
		-79.32	-0.26	-2.53e-06	0.0	160.0	12.50	-32.62	0.38	1.60	0.34	-79.32
121	3	-14.38	1.79	-5.49e-04	0.0	0.0	5.77	-26.15	2.08	-1.50	-1.53	-14.38
		-62.06	-1.53	0.0	0.0	160.0	5.77	-26.15	2.08	-1.50	1.79	-62.06
121	5	-9.32	0.43	1.02e-04	0.0	0.0	-1.65	-18.70	0.50	-0.83	-0.36	-9.32
		-43.24	-0.36	0.0	0.0	160.0	-1.65	-18.70	0.50	-0.83	0.43	-43.24
121	6	-5.88	0.03	3.57e-04	0.0	0.0	0.02	-1.35	0.03	0.38	-0.02	-5.88
		-8.15	-0.02	0.0	0.0	160.0	0.02	-1.35	0.03	0.38	0.03	-8.15
122	1	-85.40	0.42	-1.13e-03	0.0	0.0	31.14	-19.38	0.54	2.59	-0.44	-85.40
		-121.42	-0.44	-3.79e-06	0.0	160.0	31.14	-19.38	0.54	2.59	0.42	-121.42
122	3	-65.95	2.43	-6.33e-04	0.0	0.0	11.34	-20.82	2.90	-1.77	-2.21	-65.95
		-104.12	-2.21	-2.37e-06	0.0	160.0	11.34	-20.82	2.90	-1.77	2.43	-104.12
122	5	-45.28	0.63	4.32e-05	0.0	0.0	-1.94	-11.77	0.75	-0.46	-0.58	-45.28
		-66.77	-0.58	0.0	0.0	160.0	-1.94	-11.77	0.75	-0.46	0.63	-66.77
122	6	-1.47	0.04	3.47e-04	0.0	0.0	8.38e-03	2.59	0.05	0.38	-0.04	-6.36
		-6.36	-0.04	0.0	0.0	160.0	8.38e-03	2.59	0.05	0.38	0.04	-1.47
123	1	-92.69	0.28	-1.31e-03	0.0	0.0	46.83	22.07	0.34	4.74	-0.26	-131.58
		-131.58	-0.26	-4.04e-06	0.0	160.0	46.83	22.07	0.34	4.74	0.28	-92.69

123	3	-57.21	2.70	-7.76e-04	0.0	0.0	12.79	29.27	3.24	-8.06	-2.48	-109.88
		-109.88	-2.48	1.56e-06	0.0	160.0	12.79	29.27	3.24	-8.06	2.70	-57.21
123	5	-24.07	0.70	-4.52e-05	0.0	0.0	-0.87	23.93	0.88	8.18	-0.71	-67.70
		-67.70	-0.71	0.0	0.0	160.0	-0.87	23.93	0.88	8.18	0.70	-24.07
123	6	-1.05	0.04	3.45e-04	0.0	0.0	-0.09	-2.16	0.05	0.57	-0.04	-1.05
		-4.91	-0.04	0.0	0.0	160.0	-0.09	-2.16	0.05	0.57	0.04	-4.91
124	1	136.76	7.40	-1.58e-03	0.0	0.0	-5.98	97.82	-4.80	3.73	7.40	-13.24
		-13.24	0.51	2.85e-05	0.0	143.6	-5.98	97.82	-4.80	3.73	0.51	136.76
124	2	166.72	8.75	-1.24e-03	0.0	0.0	-7.54	120.00	-6.57	-3.50	8.75	-13.02
		-13.02	-0.68	2.80e-05	0.0	143.6	-7.54	120.00	-6.57	-3.50	-0.68	166.72
124	5	14.81	2.24	-7.32e-04	0.0	0.0	10.02	22.63	2.57	-9.31	-1.45	-10.56
		-10.56	-1.45	-1.34e-05	0.0	143.6	10.02	22.63	2.57	-9.31	2.24	14.81
125	3	240.86	0.0	1.76e-03	0.0	0.0	24.99	-156.19	1.49	-0.86	-2.14	240.86
		0.0	-2.14	-4.30e-05	0.0	143.2	24.99	-156.19	1.49	-0.86	0.0	0.0
125	4	166.68	20.08	9.38e-04	0.0	0.0	119.62	-105.64	-14.02	5.37	20.08	166.68
		0.0	0.0	6.72e-05	0.0	143.2	119.62	-105.64	-14.02	5.37	0.0	0.0
125	5	55.21	0.0	7.69e-04	0.0	0.0	-0.26	-40.97	0.08	2.85	-0.12	55.21
		0.0	-0.12	4.11e-06	0.0	143.2	-0.26	-40.97	0.08	2.85	0.0	0.0
126	3	502.37	-2.14	1.54e-03	0.0	0.0	43.42	-169.02	0.42	-10.53	-2.74	502.37
		240.63	-2.74	-2.98e-05	0.0	143.2	43.42	-169.02	0.42	-10.53	-2.14	240.63
126	4	247.84	20.08	7.83e-04	0.0	0.0	-16.39	-61.47	13.79	12.36	0.33	247.84
		160.07	0.33	-1.72e-05	0.0	143.2	-16.39	-61.47	13.79	12.36	20.08	160.07
126	5	130.41	0.04	7.16e-04	0.0	0.0	-2.03	-46.99	-0.11	0.41	0.04	130.41
		57.46	-0.12	4.56e-06	0.0	143.2	-2.03	-46.99	-0.11	0.41	-0.12	57.46
127	3	587.58	-2.73	1.08e-03	0.0	0.0	51.62	-51.10	-5.14e-03	-2.63	-2.73	587.58
		509.41	-2.74	-1.37e-05	0.0	143.2	51.62	-51.10	-5.14e-03	-2.63	-2.74	509.41
127	4	274.15	0.33	5.57e-04	0.0	0.0	-16.48	-20.81	0.49	12.19	-0.37	274.15
		246.57	-0.37	-4.05e-06	0.0	143.2	-16.48	-20.81	0.49	12.19	0.33	246.57
127	6	183.86	-0.01	4.82e-04	0.0	0.0	3.65	-37.11	-5.50e-03	1.35	-0.01	183.86
		126.25	-0.02	0.0	0.0	143.2	3.65	-37.11	-5.50e-03	1.35	-0.02	126.25
128	1	643.72	-0.32	1.04e-03	0.0	0.0	55.47	-96.76	1.46	-9.49	-2.40	643.72
		493.01	-2.40	-2.28e-05	0.0	143.2	55.47	-96.76	1.46	-9.49	-0.32	493.01
128	3	587.22	-2.32	5.49e-04	0.0	0.0	50.39	17.95	-0.29	7.10	-2.32	556.68
		556.68	-2.73	3.64e-06	0.0	143.2	50.39	17.95	-0.29	7.10	-2.73	587.22
128	4	274.30	-0.05	3.10e-04	0.0	0.0	-11.59	-2.48	-0.23	10.05	-0.05	274.30
		273.04	-0.37	-2.87e-06	0.0	143.2	-11.59	-2.48	-0.23	10.05	-0.37	273.04
128	5	241.82	0.10	4.19e-04	0.0	0.0	-8.28	-26.82	-0.03	-2.00	0.10	241.82
		200.43	0.07	3.67e-06	0.0	143.2	-8.28	-26.82	-0.03	-2.00	0.07	200.43
128	6	221.23	-0.01	3.15e-04	0.0	0.0	3.65	-23.03	-3.61e-04	0.90	-0.01	221.23
		185.63	-0.01	0.0	0.0	143.2	3.65	-23.03	-3.61e-04	0.90	-0.01	185.63
172	1	2.45	0.17	0.0	0.0	0.0	-5.05	-4.04	0.11	13.22	-1.47e-06	2.45
		-0.78	-1.47e-06	-1.66e-05	0.0	160.0	-5.05	-4.04	0.11	13.22	0.17	-0.78
172	3	1.12	0.48	0.0	0.0	0.0	-9.40	-2.80	0.30	9.56	-1.04e-06	1.12
		-0.92	-1.04e-06	-1.15e-05	0.0	160.0	-9.40	-2.80	0.30	9.56	0.48	-0.92
172	4	-0.69	0.0	0.0	0.0	0.0	3.32	2.26	-0.26	-5.49	0.0	-3.40
		-3.40	-0.41	1.33e-06	0.0	160.0	3.32	2.26	-0.26	-5.49	-0.41	-0.69
172	6	-0.23	0.0	0.0	0.0	0.0	-0.10	3.31	-9.61e-03	-6.48	0.0	-4.17
		-4.17	-0.02	0.0	0.0	160.0	-0.10	3.31	-9.61e-03	-6.48	-0.02	-0.23
173	8	268.30	-0.25	2.66e-03	0.0	0.0	39.31	-40.62	-0.19	9.54	-0.25	268.30
		208.11	-0.52	3.95e-05	0.0	139.9	39.31	-40.62	-0.19	9.54	-0.52	208.11
173	10	133.42	0.39	1.33e-03	0.0	0.0	-9.77	-20.53	0.22	3.24	0.09	133.42
		103.01	0.09	2.18e-06	0.0	139.9	-9.77	-20.53	0.22	3.24	0.39	103.01
174	6	289.74	-0.14	2.27e-03	0.0	0.0	22.59	-31.90	-0.09	7.10	-0.14	289.74
		242.33	-0.27	2.92e-05	0.0	139.9	22.59	-31.90	-0.09	7.10	-0.27	242.33
174	8	322.42	0.05	2.36e-03	0.0	0.0	10.30	-35.30	-0.22	8.91	0.05	322.42
		269.93	-0.25	4.33e-05	0.0	139.9	10.30	-35.30	-0.22	8.91	-0.25	269.93
174	9	308.95	0.60	2.06e-03	0.0	0.0	-21.60	-30.45	-0.16	6.46	0.60	308.95
		263.96	0.38	2.55e-05	0.0	139.9	-21.60	-30.45	-0.16	6.46	0.38	263.96
174	10	158.47	0.09	1.18e-03	0.0	0.0	-7.24	-16.33	0.08	3.13	-0.03	158.47
		134.20	-0.03	0.0	0.0	139.9	-7.24	-16.33	0.08	3.13	0.09	134.20
175	1	108.10	-0.04	1.71e-03	0.0	0.0	2.27	-33.40	-8.50e-03	-0.20	-0.04	108.10
		58.74	-0.05	0.0	0.0	139.9	2.27	-33.40	-8.50e-03	-0.20	-0.05	58.74
175	8	206.36	-0.52	2.89e-03	0.0	0.0	68.37	-50.35	-0.36	12.16	-0.52	206.36
		133.53	-1.02	3.23e-05	0.0	139.9	68.37	-50.35	-0.36	12.16	-1.02	133.53
175	10	102.09	0.39	1.44e-03	0.0	0.0	-9.18	-26.34	-0.11	4.03	0.39	102.09
		63.70	0.23	7.58e-06	0.0	139.9	-9.18	-26.34	-0.11	4.03	0.23	63.70
176	1	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	-0.75	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	0.35	0.0	-0.75	0.0	0.0
176	6	0.0	0.0	0.0	0.0	0.0	0.0	-4.45	0.0	10.92	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-4.45	0.0	10.92	0.0	0.0
178	1	0.36	0.17	0.0	0.0	0.0	-35.56	-5.13	-0.45	15.76	0.17	0.36
		-4.53	-0.55	-1.55e-05	0.0	160.0	-35.56	-5.13	-0.45	15.76	-0.55	-4.53
178	3	0.01	0.48	0.0	0.0	0.0	-60.53	-5.28	-0.47	9.91	0.48	0.01
		-6.30	-0.27	-1.10e-05	0.0	160.0	-60.53	-5.28	-0.47	9.91	-0.27	-6.30
178	4	-0.98	-0.41	0.0	0.0	0.0	22.20	-2.45	-0.49	-10.29	-0.41	-0.98
		-6.85	-1.20	-1.92e-06	0.0	160.0	22.20	-2.45	-0.49	-10.29	-1.20	-6.85
179	4	-7.92	-1.64e-06	7.09e-06	0.0	0.0	217.61	-41.65	0.75	7.98	-1.20	-7.92



		-77.68	-1.20	2.01e-06	0.0	160.0	217.61	-41.65	0.75	7.98	-1.64e-06	-77.68
179	5	-1.25	0.02	1.23e-06	0.0	0.0	-11.79	-6.65	-0.02	-3.47	0.02	-1.25
		-13.63	0.0	1.62e-06	0.0	160.0	-11.79	-6.65	-0.02	-3.47	0.0	-13.63
179	6	-1.05	0.0	0.0	0.0	0.0	-2.15	-3.62	0.03	-7.25	-0.04	-1.05
		-9.26	-0.04	-1.21e-06	0.0	160.0	-2.15	-3.62	0.03	-7.25	0.0	-9.26
180	1	0.39	0.04	0.0	0.0	0.0	0.0	-1.33	0.02	0.13	0.02	0.39
		-0.89	0.02	0.0	0.0	90.0	0.0	-1.33	0.02	0.13	0.04	-0.89
180	8	32.86	3.17	-1.20e-06	0.0	0.0	0.0	57.26	1.74	-9.95	1.61	-20.89
		-20.89	1.61	-1.06e-05	0.0	90.0	0.0	57.26	1.74	-9.95	3.17	32.86
180	9	30.19	3.74	-1.09e-06	0.0	0.0	0.0	52.82	2.05	-9.17	1.90	-19.40
		-19.40	1.90	-1.25e-05	0.0	90.0	0.0	52.82	2.05	-9.17	3.74	30.19
181	1	1.10	-4.99e-03	0.0	0.0	0.0	0.0	-1.49	5.39e-03	0.27	-9.85e-03	1.10
		-0.29	-9.85e-03	0.0	0.0	90.0	0.0	-1.49	5.39e-03	0.27	-4.99e-03	-0.29
181	8	23.82	-1.21	0.0	0.0	0.0	0.0	51.28	1.31	-11.15	-2.39	-23.63
		-23.63	-2.39	7.99e-06	0.0	90.0	0.0	51.28	1.31	-11.15	-1.21	23.82
181	9	21.69	-1.64	0.0	0.0	0.0	0.0	48.11	1.77	-10.26	-3.23	-22.88
		-22.88	-3.23	1.08e-05	0.0	90.0	0.0	48.11	1.77	-10.26	-1.64	21.69
182	1	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.0	-1.39	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	0.53	0.0	-1.39	0.0	0.0
182	8	0.0	0.0	0.0	0.0	0.0	0.0	-2.77	0.0	6.93	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-2.77	0.0	6.93	0.0	0.0
182	9	0.0	0.0	0.0	0.0	0.0	0.0	-1.38	0.0	3.42	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-1.38	0.0	3.42	0.0	0.0
183	1	0.01	0.0	-3.21e-06	0.0	0.0	1.94e-03	0.86	0.15	-0.10	-0.04	-0.25
		-0.25	-0.04	0.0	0.0	27.5	1.94e-03	0.86	0.15	-0.10	0.0	0.01
183	6	0.13	1.70e-06	6.58e-05	0.0	0.0	-0.35	-0.22	7.25	0.03	-1.99	0.13
		0.03	-1.99	-2.48e-06	0.0	27.5	-0.35	-0.22	7.25	0.03	1.70e-06	0.03
183	7	0.13	1.49e-06	8.30e-05	0.0	0.0	-0.41	-0.16	6.24	-8.39e-03	-1.72	0.13
		0.04	-1.72	-2.15e-06	0.0	27.5	-0.41	-0.16	6.24	-8.39e-03	1.49e-06	0.04
183	10	0.02	0.01	2.52e-05	0.0	0.0	0.02	0.25	-0.05	-0.01	0.01	-0.04
		-0.04	0.0	0.0	0.0	27.5	0.02	0.25	-0.05	-0.01	0.0	0.02
184	1	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	-0.39	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	0.31	0.0	-0.39	0.0	0.0
184	6	0.0	0.0	0.0	0.0	0.0	0.0	-5.51	0.0	10.80	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-5.51	0.0	10.80	0.0	0.0
184	7	0.0	0.0	0.0	0.0	0.0	0.0	-6.75	0.0	13.55	0.0	0.0
		0.0	0.0	0.0	0.0	90.0	0.0	-6.75	0.0	13.55	0.0	0.0
186	1	-12.85	-0.17	-1.73e-03	0.0	0.0	20.64	3.78	0.39	-2.52	-0.76	-18.52
		-18.52	-0.76	1.72e-06	0.0	150.0	20.64	3.78	0.39	-2.52	-0.17	-12.85
186	8	-34.59	0.05	-5.12e-03	0.0	0.0	64.37	6.90	1.63	3.23	-2.40	-44.94
		-44.94	-2.40	3.41e-05	0.0	150.0	64.37	6.90	1.63	3.23	0.05	-34.59
186	9	-15.45	7.43	-4.74e-03	0.0	0.0	107.51	-4.30	-15.62	8.14	7.43	-15.45
		-21.89	-16.00	2.38e-04	0.0	150.0	107.51	-4.30	-15.62	8.14	-16.00	-21.89
186	10	4.02	120.12	-2.96e-03	0.0	0.0	173.94	-7.42	-75.27	-138.66	120.12	4.02
		-7.10	7.22	-3.56e-04	0.0	150.0	173.94	-7.42	-75.27	-138.66	7.22	-7.10
187	1	523.75	-0.69	8.12e-04	0.0	0.0	10.48	-77.23	0.40	-7.47	-1.26	523.75
		402.77	-1.26	-1.80e-05	0.0	143.3	10.48	-77.23	0.40	-7.47	-0.69	402.77
187	3	440.12	-1.18	5.42e-04	0.0	0.0	4.16	-13.38	-0.31	-3.81	-1.18	440.12
		417.75	-1.62	-1.14e-06	0.0	143.3	4.16	-13.38	-0.31	-3.81	-1.62	417.75
187	4	272.56	0.15	4.22e-04	0.0	0.0	3.44	-41.63	0.06	-0.72	0.06	272.56
		205.99	0.06	-1.91e-06	0.0	143.3	3.44	-41.63	0.06	-0.72	0.15	205.99
187	5	285.85	0.12	3.74e-04	0.0	0.0	-0.41	-28.76	-0.04	-0.87	0.12	285.85
		240.31	0.06	3.67e-06	0.0	143.3	-0.41	-28.76	-0.04	-0.87	0.06	240.31
190	1	646.95	-1.26	3.39e-04	0.0	0.0	10.29	-72.55	0.32	-6.19	-1.72	646.95
		529.67	-1.72	-8.25e-06	0.0	143.3	10.29	-72.55	0.32	-6.19	-1.26	529.67
190	2	422.98	-0.16	2.39e-04	0.0	0.0	11.63	-32.99	0.34	-3.97	-0.64	422.98
		369.61	-0.64	-6.53e-06	0.0	143.3	11.63	-32.99	0.34	-3.97	-0.16	369.61
190	3	465.97	1.96	1.46e-04	0.0	0.0	11.15	-12.40	-2.19	-2.28	1.96	465.97
		442.67	-1.18	8.50e-06	0.0	143.3	11.15	-12.40	-2.19	-2.28	-1.18	442.67
190	5	317.30	0.69	1.16e-04	0.0	0.0	-0.23	-17.80	-0.40	-1.61	0.69	317.30
		287.93	0.12	2.83e-06	0.0	143.3	-0.23	-17.80	-0.40	-1.61	0.12	287.93
190	6	261.72	0.03	1.20e-04	0.0	0.0	1.81	-5.20	-0.03	0.27	0.03	261.72
		253.52	-0.02	0.0	0.0	143.3	1.81	-5.20	-0.03	0.27	-0.02	253.52
191	1	650.27	-1.56	-2.50e-04	0.0	0.0	5.78	28.04	-0.59	4.09	-1.56	602.36
		602.36	-2.41	5.44e-06	0.0	143.6	5.78	28.04	-0.59	4.09	-2.41	650.27
191	3	461.67	-0.29	-2.73e-04	0.0	0.0	12.76	36.45	-1.85	3.73	-0.29	402.75
		402.75	-2.95	1.31e-05	0.0	143.6	12.76	36.45	-1.85	3.73	-2.95	461.67
191	4	312.66	0.64	-1.11e-04	0.0	0.0	1.33	15.82	0.40	0.98	0.64	286.48
		286.48	0.07	-2.94e-06	0.0	143.6	1.33	15.82	0.40	0.98	0.07	312.66
191	6	261.92	-0.02	-1.16e-04	0.0	0.0	1.75	4.59	-0.02	-0.67	-0.02	254.69
		254.69	-0.05	0.0	0.0	143.6	1.75	4.59	-0.02	-0.67	-0.05	261.92
196	1	121.41	3.03e-06	-9.85e-04	0.0	0.0	87.36	76.67	-0.16	4.86	3.03e-06	1.65
		1.65	-0.22	2.88e-05	0.0	142.1	87.36	76.67	-0.16	4.86	-0.22	121.41
196	2	118.09	2.26e-06	-9.37e-04	0.0	0.0	43.32	75.07	-0.44	1.49	2.26e-06	1.98
		1.98	-0.63	2.07e-05	0.0	142.1	43.32	75.07	-0.44	1.49	-0.63	118.09
196	4	112.98	0.0	-8.95e-04	0.0	0.0	-9.83	71.80	-9.20e-03	-1.58	0.0	2.65
		2.65	-0.01	-3.27e-06	0.0	142.1	-9.83	71.80	-9.20e-03	-1.58	-0.01	112.98

196	5	111.72	0.21	-8.88e-04	0.0	0.0	-6.42	70.80	0.15	-1.99	0.0	2.70
		2.70	0.0	-9.17e-06	0.0	142.1	-6.42	70.80	0.15	-1.99	0.21	111.72
196	6	122.34	0.0	-1.00e-03	0.0	0.0	2.51	77.84	-6.52e-03	-3.06	0.0	3.11
		3.11	-9.26e-03	0.0	0.0	142.1	2.51	77.84	-6.52e-03	-3.06	-9.26e-03	122.34
197	3	127.54	0.0	9.88e-04	0.0	0.0	-19.09	-85.94	0.15	-1.58	-0.22	127.54
		0.0	-0.22	-2.37e-05	0.0	143.6	-19.09	-85.94	0.15	-1.58	0.0	0.0
197	4	113.67	0.10	9.03e-04	0.0	0.0	6.78	-72.02	-0.07	0.72	0.10	113.67
		0.0	0.0	5.94e-06	0.0	143.6	6.78	-72.02	-0.07	0.72	0.0	0.0
198	3	227.18	-0.22	8.64e-04	0.0	0.0	-40.05	-58.40	0.53	-3.92	-0.98	227.18
		135.77	-0.98	-2.14e-05	0.0	143.6	-40.05	-58.40	0.53	-3.92	-0.22	135.77
198	4	200.91	0.35	7.98e-04	0.0	0.0	13.71	-53.83	-0.18	1.51	0.35	200.91
		117.01	0.10	4.97e-06	0.0	143.6	13.71	-53.83	-0.18	1.51	0.10	117.01
199	1	289.57	-0.33	6.77e-04	0.0	0.0	-46.39	-37.69	0.25	-6.71	-0.68	289.57
		230.37	-0.68	-2.14e-05	0.0	143.6	-46.39	-37.69	0.25	-6.71	-0.33	230.37
199	3	286.56	-0.98	6.56e-04	0.0	0.0	-52.25	-35.66	0.15	-3.38	-1.20	286.56
		230.30	-1.20	-1.37e-05	0.0	143.6	-52.25	-35.66	0.15	-3.38	-0.98	230.30
199	4	258.14	0.35	6.15e-04	0.0	0.0	16.47	-35.01	0.03	0.60	0.32	258.14
		203.64	0.32	2.24e-06	0.0	143.6	16.47	-35.01	0.03	0.60	0.35	203.64
200	1	315.57	-0.68	4.13e-04	0.0	0.0	-59.40	-15.65	0.27	-5.96	-1.08	315.57
		291.31	-1.08	-1.59e-05	0.0	143.6	-59.40	-15.65	0.27	-5.96	-0.68	291.31
200	3	309.94	-1.02	3.96e-04	0.0	0.0	-53.72	-13.89	-0.13	-2.58	-1.02	309.94
		288.23	-1.20	-4.18e-06	0.0	143.6	-53.72	-13.89	-0.13	-2.58	-1.20	288.23
200	4	285.63	0.32	3.81e-04	0.0	0.0	15.66	-16.84	0.09	-0.47	0.18	285.63
		259.64	0.18	0.0	0.0	143.6	15.66	-16.84	0.09	-0.47	0.32	259.64
200	6	326.42	-0.02	4.40e-04	0.0	0.0	-0.31	-23.87	-5.57e-04	0.93	-0.02	326.42
		289.31	-0.02	0.0	0.0	143.6	-0.31	-23.87	-5.57e-04	0.93	-0.02	289.31
201	1	315.54	-1.08	1.27e-04	0.0	0.0	-65.05	6.32	1.11	-5.72	-2.66	304.88
		304.88	-2.66	-7.88e-06	0.0	143.6	-65.05	6.32	1.11	-5.72	-1.08	315.54
201	5	285.45	0.51	1.18e-04	0.0	0.0	17.24	1.72	-0.28	-1.46	0.51	282.50
		282.50	0.11	2.77e-06	0.0	143.6	17.24	1.72	-0.28	-1.46	0.11	285.45
201	6	337.77	-7.35e-03	1.44e-04	0.0	0.0	-0.17	-6.76	-6.94e-03	-0.90	-7.35e-03	337.77
		327.30	-0.02	0.0	0.0	143.6	-0.17	-6.76	-6.94e-03	-0.90	-0.02	327.30
202	1	313.89	-1.24	-1.46e-04	0.0	0.0	-57.63	-4.51	-1.19	4.59	-1.24	313.89
		306.34	-2.93	6.78e-06	0.0	142.1	-57.63	-4.51	-1.19	4.59	-2.93	306.34
202	4	285.90	0.42	-1.33e-04	0.0	0.0	9.34	0.31	0.25	1.02	0.07	285.69
		285.69	0.07	-2.84e-06	0.0	142.1	9.34	0.31	0.25	1.02	0.42	285.90
202	5	281.84	0.25	-1.34e-04	0.0	0.0	20.26	0.17	-0.07	1.76	0.25	281.84
		281.70	0.15	1.05e-06	0.0	142.1	20.26	0.17	-0.07	1.76	0.15	281.70
202	6	338.11	-0.02	-1.58e-04	0.0	0.0	0.07	8.04	-9.32e-03	0.52	-0.02	325.82
		325.82	-0.03	0.0	0.0	142.1	0.07	8.04	-9.32e-03	0.52	-0.03	338.11
203	1	313.78	-0.88	-4.24e-04	0.0	0.0	-39.04	17.83	-0.25	5.19	-0.88	286.56
		286.56	-1.24	1.58e-05	0.0	142.1	-39.04	17.83	-0.25	5.19	-1.24	313.78
203	5	281.57	0.39	-3.84e-04	0.0	0.0	21.22	17.33	-0.10	0.23	0.39	255.17
		255.17	0.25	0.0	0.0	142.1	21.22	17.33	-0.10	0.23	0.25	281.57
203	6	324.90	-0.01	-4.46e-04	0.0	0.0	0.38	24.79	-2.16e-03	-1.27	-0.01	286.82
		286.82	-0.02	0.0	0.0	142.1	0.38	24.79	-2.16e-03	-1.27	-0.02	324.90
204	2	270.56	-0.83	-6.41e-04	0.0	0.0	-17.09	36.67	0.05	2.10	-0.90	213.67
		213.67	-0.90	8.21e-06	0.0	142.1	-17.09	36.67	0.05	2.10	-0.83	270.56
204	5	253.71	0.45	-6.10e-04	0.0	0.0	18.41	35.00	-0.04	-0.74	0.45	199.88
		199.88	0.39	-3.87e-06	0.0	142.1	18.41	35.00	-0.04	-0.74	0.39	253.71
204	6	284.89	-8.81e-03	-6.99e-04	0.0	0.0	0.79	41.85	-2.61e-03	-2.42	-8.81e-03	220.55
		220.55	-0.01	0.0	0.0	142.1	0.79	41.85	-2.61e-03	-2.42	-0.01	284.89
205	1	219.79	-0.22	-8.75e-04	0.0	0.0	26.99	60.10	-0.18	6.74	-0.22	126.36
		126.36	-0.48	2.65e-05	0.0	142.1	26.99	60.10	-0.18	6.74	-0.48	219.79
205	2	210.63	-0.63	-8.29e-04	0.0	0.0	3.63	57.02	-0.19	2.42	-0.63	122.42
		122.42	-0.90	1.52e-05	0.0	142.1	3.63	57.02	-0.19	2.42	-0.90	210.63
205	4	199.36	-0.01	-7.92e-04	0.0	0.0	-2.99	53.69	1.46e-03	-1.28	-0.01	116.69
		116.69	-0.01	-3.34e-06	0.0	142.1	-2.99	53.69	1.46e-03	-1.28	-0.01	199.36
205	5	197.26	0.45	-7.86e-04	0.0	0.0	9.53	53.11	0.17	-1.45	0.21	115.48
		115.48	0.21	-7.27e-06	0.0	142.1	9.53	53.11	0.17	-1.45	0.45	197.26
206	3	156.14	0.0	1.18e-03	0.0	0.0	-12.29	-100.40	0.40	-3.07	-0.58	156.14
		0.0	-0.58	-2.76e-05	0.0	143.5	-12.29	-100.40	0.40	-3.07	0.0	0.0
206	4	87.31	0.26	8.24e-04	0.0	0.0	7.56	-55.29	-0.18	0.84	0.26	87.31
		0.0	0.0	7.56e-06	0.0	143.5	7.56	-55.29	-0.18	0.84	0.0	0.0
207	3	293.86	-0.58	1.03e-03	0.0	0.0	-22.17	-83.32	0.43	-5.91	-1.20	293.86
		163.65	-1.20	-2.34e-05	0.0	143.5	-22.17	-83.32	0.43	-5.91	-0.58	163.65
207	4	165.83	0.52	7.44e-04	0.0	0.0	13.84	-47.70	-0.18	1.45	0.52	165.83
		91.62	0.26	5.80e-06	0.0	143.5	13.84	-47.70	-0.18	1.45	0.26	91.62
208	1	345.52	-0.36	9.09e-04	0.0	0.0	-15.29	-56.34	0.24	-7.95	-0.71	345.52
		257.10	-0.71	-2.21e-05	0.0	143.5	-15.29	-56.34	0.24	-7.95	-0.36	257.10
208	3	338.81	-1.20	7.66e-04	0.0	0.0	-23.60	-26.69	0.09	-4.12	-1.32	338.81
		297.29	-1.32	-1.38e-05	0.0	143.5	-23.60	-26.69	0.09	-4.12	-1.20	297.29
208	4	225.60	0.52	5.94e-04	0.0	0.0	12.07	-36.80	0.15	0.57	0.31	225.60
		168.21	0.31	1.77e-06	0.0	143.5	12.07	-36.80	0.15	0.57	0.52	168.21
209	1	416.68	-0.71	5.97e-04	0.0	0.0	-18.72	-43.12	0.26	-6.01	-1.08	416.68
		348.96	-1.08	-1.64e-05	0.0	143.5	-18.72	-43.12	0.26	-6.01	-0.71	348.96
209	3	368.52	-1.03	4.61e-04	0.0	0.0	-19.85	-17.83	-0.21	-2.01	-1.03	368.52

		340.27	-1.32	-3.30e-06	0.0	143.5	-19.85	-17.83	-0.21	-2.01	-1.32	340.27
209	4	269.88	0.31	3.90e-04	0.0	0.0	8.96	-26.73	0.11	-0.49	0.15	269.88
		227.74	0.15	0.0	0.0	143.5	8.96	-26.73	0.11	-0.49	0.31	227.74
210	1	463.45	-1.08	2.21e-04	0.0	0.0	-19.50	-28.22	0.76	-3.32	-2.16	463.45
		419.07	-2.16	-7.90e-06	0.0	143.5	-19.50	-28.22	0.76	-3.32	-1.08	419.07
210	3	374.06	0.97	1.28e-04	0.0	0.0	-12.95	-2.95	-1.39	-0.32	0.97	374.06
		369.21	-1.03	5.19e-06	0.0	143.5	-12.95	-2.95	-1.39	-0.32	-1.03	369.21
210	4	293.80	0.15	1.47e-04	0.0	0.0	6.70	-13.84	0.39	-0.92	-0.41	293.80
		271.53	-0.41	-2.05e-06	0.0	143.5	6.70	-13.84	0.39	-0.92	0.15	271.53
210	5	294.85	0.66	1.12e-04	0.0	0.0	8.26	-5.95	-0.38	0.42	0.66	294.85
		285.49	0.12	2.73e-06	0.0	143.5	8.26	-5.95	-0.38	0.42	0.12	285.49
211	1	465.11	-1.29	-1.97e-04	0.0	0.0	-17.76	15.60	-1.16	1.76	-1.29	440.41
		440.41	-2.95	6.56e-06	0.0	142.8	-17.76	15.60	-1.16	1.76	-2.95	465.11
211	3	373.18	-0.42	-2.07e-04	0.0	0.0	-6.39	16.29	-1.83	1.75	-0.42	347.61
		347.61	-3.03	1.18e-05	0.0	142.8	-6.39	16.29	-1.83	1.75	-3.03	373.18
211	4	294.54	0.63	-1.18e-04	0.0	0.0	5.08	6.33	0.39	-0.77	0.07	284.61
		284.61	0.07	-2.86e-06	0.0	142.8	5.08	6.33	0.39	-0.77	0.63	294.54
211	5	294.11	0.21	-1.52e-04	0.0	0.0	10.74	14.62	-0.39	0.75	0.21	270.67
		270.67	-0.35	1.48e-06	0.0	142.8	10.74	14.62	-0.39	0.75	-0.35	294.11
212	1	438.36	-0.97	-5.90e-04	0.0	0.0	-12.27	46.84	-0.22	5.21	-0.97	365.37
		365.37	-1.29	1.63e-05	0.0	142.8	-12.27	46.84	-0.22	5.21	-1.29	438.36
212	5	268.94	0.39	-3.93e-04	0.0	0.0	14.19	27.31	-0.12	0.42	0.39	226.05
		226.05	0.21	0.0	0.0	142.8	14.19	27.31	-0.12	0.42	0.21	268.94
213	1	361.66	-0.51	-9.14e-04	0.0	0.0	-2.77	60.74	-0.32	7.97	-0.51	266.79
		266.79	-0.97	2.40e-05	0.0	142.8	-2.77	60.74	-0.32	7.97	-0.97	361.66
213	2	305.37	-0.89	-7.18e-04	0.0	0.0	-7.68	33.33	0.11	2.39	-1.04	253.34
		253.34	-1.04	7.93e-06	0.0	142.8	-7.68	33.33	0.11	2.39	-0.89	305.37
213	5	223.87	0.61	-5.93e-04	0.0	0.0	17.87	36.90	-0.16	-0.54	0.61	166.61
		166.61	0.39	-3.42e-06	0.0	142.8	17.87	36.90	-0.16	-0.54	0.39	223.87
214	1	262.40	0.23	-1.15e-03	0.0	0.0	6.61	74.48	-0.52	9.16	0.23	146.39
		146.39	-0.51	2.80e-05	0.0	142.8	6.61	74.48	-0.52	9.16	-0.51	262.40
214	2	250.51	-0.59	-9.43e-04	0.0	0.0	-4.32	63.06	-0.31	3.91	-0.59	152.65
		152.65	-1.04	1.60e-05	0.0	142.8	-4.32	63.06	-0.31	3.91	-1.04	250.51
214	5	164.27	0.61	-7.41e-04	0.0	0.0	16.61	47.32	0.26	-1.40	0.24	91.20
		91.20	0.24	-7.98e-06	0.0	142.8	16.61	47.32	0.26	-1.40	0.61	164.27
215	1	141.27	7.10	-1.28e-03	0.0	0.0	10.88	94.05	-4.81	6.22	7.10	-6.01
		-6.01	0.23	2.78e-05	0.0	142.8	10.88	94.05	-4.81	6.22	0.23	141.27
215	2	147.10	6.05	-1.08e-03	0.0	0.0	1.94	94.79	-4.65	2.82	6.05	-1.60
		-1.60	-0.59	2.20e-05	0.0	142.8	1.94	94.79	-4.65	2.82	-0.59	147.10
215	4	102.53	-0.06	-8.55e-04	0.0	0.0	0.82	63.27	0.51	-0.34	-0.79	3.63
		3.63	-0.79	-3.14e-06	0.0	142.8	0.82	63.27	0.51	-0.34	-0.06	102.53
215	5	87.01	0.24	-8.20e-04	0.0	0.0	12.29	52.78	1.95	-2.22	-2.55	3.67
		3.67	-2.55	-1.01e-05	0.0	142.8	12.29	52.78	1.95	-2.22	0.24	87.01
216	3	150.47	0.0	1.37e-03	0.0	0.0	-4.79	-99.21	0.78	0.05	-1.12	150.47
		0.0	-1.12	-4.17e-05	0.0	143.3	-4.79	-99.21	0.78	0.05	0.0	0.0
216	4	25.72	2.07	7.28e-04	0.0	0.0	26.94	-20.27	-1.45	4.88	2.07	25.72
		0.0	0.0	1.45e-05	0.0	143.3	26.94	-20.27	-1.45	4.88	0.0	0.0
216	6	93.60	0.0	7.85e-04	0.0	0.0	0.43	-59.94	0.02	1.81	-0.02	93.60
		0.0	-0.02	0.0	0.0	143.3	0.43	-59.94	0.02	1.81	0.0	0.0
217	3	351.63	-1.12	1.23e-03	0.0	0.0	-5.40	-122.09	0.31	-7.25	-1.57	351.63
		159.23	-1.57	-2.63e-05	0.0	143.3	-5.40	-122.09	0.31	-7.25	-1.12	159.23
217	4	110.67	2.07	7.04e-04	0.0	0.0	27.47	-49.22	0.80	-1.96	0.93	110.67
		29.06	0.93	6.91e-06	0.0	143.3	27.47	-49.22	0.80	-1.96	2.07	29.06
218	1	397.91	-0.29	1.17e-03	0.0	0.0	12.04	-79.19	0.28	-8.59	-0.69	397.91
		274.50	-0.69	-2.36e-05	0.0	143.3	12.04	-79.19	0.28	-8.59	-0.29	274.50
218	3	415.43	-1.57	9.14e-04	0.0	0.0	-1.83	-36.77	0.03	-5.81	-1.62	415.43
		357.18	-1.62	-1.38e-05	0.0	143.3	-1.83	-36.77	0.03	-5.81	-1.57	357.18
218	4	201.71	0.93	6.04e-04	0.0	0.0	9.84	-52.52	0.54	-1.91	0.15	201.71
		116.47	0.15	0.0	0.0	143.3	9.84	-52.52	0.54	-1.91	0.93	116.47
219	1	597.01	-1.17	-7.90e-04	0.0	0.0	2.28	94.66	-0.27	6.12	-1.17	447.85
		447.85	-1.56	1.71e-05	0.0	143.6	2.28	94.66	-0.27	6.12	-1.56	597.01
219	3	399.45	-0.08	-6.34e-04	0.0	0.0	8.60	47.61	-0.15	4.27	-0.08	324.53
		324.53	-0.29	1.51e-05	0.0	143.6	8.60	47.61	-0.15	4.27	-0.29	399.45
219	5	277.62	0.22	-4.26e-04	0.0	0.0	7.97	42.49	-0.08	0.40	0.22	209.53
		209.53	0.11	1.06e-06	0.0	143.6	7.97	42.49	-0.08	0.40	0.11	277.62
219	6	253.89	-0.01	-3.46e-04	0.0	0.0	1.56	18.90	-2.24e-03	-1.61	-0.01	224.27
		224.27	-0.02	0.0	0.0	143.6	1.56	18.90	-2.24e-03	-1.61	-0.02	253.89
220	1	441.85	-0.39	-1.19e-03	0.0	0.0	1.94	91.32	-0.54	8.35	-0.39	298.95
		298.95	-1.17	2.63e-05	0.0	143.6	1.94	91.32	-0.54	8.35	-1.17	441.85
220	2	345.51	-1.03	-8.12e-04	0.0	0.0	-4.10	23.89	0.16	4.66	-1.26	306.14
		306.14	-1.26	6.40e-06	0.0	143.6	-4.10	23.89	0.16	4.66	-1.03	345.51
220	5	205.09	1.08	-6.12e-04	0.0	0.0	22.42	54.64	-0.60	2.01	1.08	116.10
		116.10	0.22	-1.11e-06	0.0	143.6	22.42	54.64	-0.60	2.01	0.22	205.09
221	2	301.54	-0.68	-1.08e-03	0.0	0.0	-7.39	78.28	-0.40	6.50	-0.68	176.25
		176.25	-1.26	1.63e-05	0.0	143.6	-7.39	78.28	-0.40	6.50	-1.26	301.54
221	5	109.96	2.24	-7.12e-04	0.0	0.0	36.78	53.12	-0.81	2.43	2.24	21.68
		21.68	1.08	-9.42e-06	0.0	143.6	36.78	53.12	-0.81	2.43	1.08	109.96

222	6	44.09	-1.44	-3.14e-03	0.0	0.0	-144.88	50.69	8.37	-22.10	-9.73	-6.04
		-6.04	-9.73	-1.24e-05	0.0	99.0	-144.88	50.69	8.37	-22.10	-1.44	44.09
222	7	151.17	-1.54	-3.77e-03	0.0	0.0	-120.33	155.95	9.25	-30.03	-10.70	-6.27
		-6.27	-10.70	-1.37e-05	0.0	99.0	-120.33	155.95	9.25	-30.03	-1.54	151.17
222	10	32.71	0.73	-1.51e-03	0.0	0.0	5.01	35.25	-0.69	-10.47	0.73	-2.58
		-2.58	0.05	0.0	0.0	99.0	5.01	35.25	-0.69	-10.47	0.05	32.71
223	1	32.30	-0.01	-1.19e-03	0.0	0.0	-5.72	31.45	-0.03	2.45	-0.01	0.11
		0.11	-0.05	0.0	0.0	99.0	-5.72	31.45	-0.03	2.45	-0.05	32.30
223	6	79.18	-1.48	-2.91e-03	0.0	0.0	-52.73	75.34	7.76	-13.61	-9.15	1.84
		1.84	-9.15	-1.18e-05	0.0	99.0	-52.73	75.34	7.76	-13.61	-1.48	79.18
223	7	178.69	-1.42	-3.48e-03	0.0	0.0	-35.30	166.78	9.42	-14.29	-10.75	6.43
		6.43	-10.75	-1.35e-05	0.0	99.0	-35.30	166.78	9.42	-14.29	-1.42	178.69
223	10	45.50	0.78	-1.41e-03	0.0	0.0	2.88	42.72	-0.74	-5.73	0.78	1.48
		1.48	0.04	0.0	0.0	99.0	2.88	42.72	-0.74	-5.73	0.04	45.50
224	1	31.94	0.62	-1.12e-03	0.0	0.0	15.02	19.47	0.31	-4.31	0.32	13.52
		13.52	0.32	-2.43e-06	0.0	94.6	15.02	19.47	0.31	-4.31	0.62	31.94
224	9	105.20	29.33	-2.20e-03	0.0	0.0	181.68	50.29	47.94	-137.54	-16.03	57.62
		57.62	-16.03	-1.81e-04	0.0	94.6	181.68	50.29	47.94	-137.54	29.33	105.20
225	1	25.91	0.69	-1.05e-03	0.0	0.0	10.77	-11.68	-0.42	2.61	0.69	25.91
		7.88	0.10	1.47e-06	0.0	139.9	10.77	-11.68	-0.42	2.61	0.10	7.88
225	9	108.07	33.20	-1.77e-03	0.0	0.0	113.35	-70.04	-23.55	-54.55	33.20	108.07
		14.55	0.26	-4.46e-05	0.0	139.9	113.35	-70.04	-23.55	-54.55	0.26	14.55
225	10	66.45	-0.13	-1.19e-03	0.0	0.0	32.68	-47.90	5.31	-49.19	-7.57	66.45
		4.68	-7.57	1.06e-05	0.0	139.9	32.68	-47.90	5.31	-49.19	-0.13	4.68
226	1	8.88	-9.64e-03	7.74e-04	0.0	0.0	3.85	-1.12	-0.03	0.88	-9.64e-03	8.88
		7.50	-0.05	1.29e-06	0.0	143.7	3.85	-1.12	-0.03	0.88	-0.05	7.50
226	8	43.09	6.79	2.33e-03	0.0	0.0	59.23	-18.51	-2.36	30.92	6.79	43.09
		23.63	3.40	4.25e-05	0.0	143.7	59.23	-18.51	-2.36	30.92	3.40	23.63
226	9	22.53	0.22	1.00e-03	0.0	0.0	35.70	7.51	-0.98	-24.04	0.22	17.60
		17.60	-1.19	-2.24e-06	0.0	143.7	35.70	7.51	-0.98	-24.04	-1.19	22.53
227	1	9.22	0.02	4.75e-04	0.0	0.0	3.83	-0.67	5.15e-04	0.57	0.02	9.22
		8.41	0.02	0.0	0.0	143.7	3.83	-0.67	5.15e-04	0.57	0.02	8.41
227	8	41.09	9.22	1.11e-03	0.0	0.0	64.49	-0.28	-0.05	0.32	9.22	41.09
		40.74	9.15	-1.44e-05	0.0	143.7	64.49	-0.28	-0.05	0.32	9.15	40.74
227	10	11.25	0.06	4.85e-04	0.0	0.0	8.25	2.38	-0.09	-8.82	0.06	10.17
		10.17	-0.07	-1.97e-06	0.0	143.7	8.25	2.38	-0.09	-8.82	-0.07	11.25
228	1	9.30	0.03	1.61e-04	0.0	0.0	3.93	-0.21	-5.23e-03	0.12	0.03	9.30
		9.02	0.03	0.0	0.0	143.7	3.93	-0.21	-5.23e-03	0.12	0.03	9.02
228	6	21.75	0.21	1.08e-03	0.0	0.0	35.85	-4.49	0.18	15.70	-0.05	21.75
		19.52	-0.05	2.18e-05	0.0	143.7	35.85	-4.49	0.18	15.70	0.21	19.52
228	8	43.99	6.97	-2.09e-04	0.0	0.0	50.68	21.06	2.40	-28.92	3.52	20.32
		20.32	3.52	-2.42e-05	0.0	143.7	50.68	21.06	2.40	-28.92	6.97	43.99
229	1	9.36	0.03	-1.61e-04	0.0	0.0	3.94	0.39	6.39e-03	-0.27	0.02	8.88
		8.88	0.02	0.0	0.0	143.7	3.94	0.39	6.39e-03	-0.27	0.03	9.36
229	6	30.04	0.77	3.25e-04	0.0	0.0	44.54	-12.46	-0.10	24.07	0.77	30.04
		18.10	0.62	1.88e-05	0.0	143.7	44.54	-12.46	-0.10	24.07	0.62	18.10
230	1	9.19	0.03	-4.73e-04	0.0	0.0	3.93	0.78	-3.01e-03	-0.58	0.03	8.24
		8.24	0.02	0.0	0.0	143.7	3.93	0.78	-3.01e-03	-0.58	0.02	9.19
230	6	41.28	6.88	-6.22e-04	0.0	0.0	58.67	-14.33	-2.28	24.98	6.88	41.28
		26.13	3.60	1.46e-05	0.0	143.7	58.67	-14.33	-2.28	24.98	3.60	26.13
230	8	25.86	0.22	-1.80e-03	0.0	0.0	31.98	8.27	-0.22	-16.39	0.22	18.40
		18.40	-0.09	-2.77e-05	0.0	143.7	31.98	8.27	-0.22	-16.39	-0.09	25.86
230	10	10.84	0.02	-5.92e-04	0.0	0.0	3.20	1.07	-8.88e-03	-3.14	0.02	10.17
		10.17	8.31e-03	-4.01e-06	0.0	143.7	3.20	1.07	-8.88e-03	-3.14	8.31e-03	10.84
231	1	8.77	0.02	-7.53e-04	0.0	0.0	3.89	1.13	-1.28e-03	-0.69	0.02	7.37
		7.37	0.02	0.0	0.0	141.6	3.89	1.13	-1.28e-03	-0.69	0.02	8.77
231	6	40.23	9.09	-1.78e-03	0.0	0.0	57.75	2.99	9.84e-03	-5.65	9.08	37.56
		37.56	9.08	-2.78e-05	0.0	141.6	57.75	2.99	9.84e-03	-5.65	9.09	40.23
231	10	10.46	0.02	-9.32e-04	0.0	0.0	1.86	1.17	-0.01	-3.09	0.02	9.67
		9.67	-4.43e-04	-4.09e-06	0.0	141.6	1.86	1.17	-0.01	-3.09	-4.43e-04	10.46
232	1	8.05	0.02	-1.01e-03	0.0	0.0	3.98	1.40	2.78e-03	-0.47	0.01	6.22
		6.22	0.01	-1.34e-06	0.0	141.6	3.98	1.40	2.78e-03	-0.47	0.02	8.05
232	6	41.37	6.76	-2.89e-03	0.0	0.0	38.92	20.92	2.29	-35.90	3.51	20.13
		20.13	3.51	-4.56e-05	0.0	141.6	38.92	20.92	2.29	-35.90	6.76	41.37
232	7	26.58	0.11	-1.89e-03	0.0	0.0	25.84	-3.95	0.23	5.55	-0.22	26.58
		22.28	-0.22	0.0	0.0	141.6	25.84	-3.95	0.23	5.55	0.11	22.28
232	10	9.81	0.03	-1.26e-03	0.0	0.0	0.70	1.30	-0.03	-2.82	0.03	8.80
		8.80	-4.65e-03	-4.08e-06	0.0	141.6	0.70	1.30	-0.03	-2.82	-4.65e-03	9.81
233	1	6.96	0.02	-1.23e-03	0.0	0.0	4.95	1.79	-0.01	0.55	0.02	4.33
		4.33	6.56e-04	-1.69e-06	0.0	141.6	4.95	1.79	-0.01	0.55	6.56e-04	6.96
233	7	28.96	0.74	-2.74e-03	0.0	0.0	33.75	-6.09	-0.30	12.76	0.74	28.96
		22.80	0.31	-1.12e-06	0.0	141.6	33.75	-6.09	-0.30	12.76	0.31	22.80
233	10	8.70	-0.02	-1.55e-03	0.0	0.0	-0.56	1.43	0.12	-0.84	-0.02	7.11
		7.11	-0.20	-4.32e-06	0.0	141.6	-0.56	1.43	0.12	-0.84	-0.02	8.70
234	1	12.26	0.70	-1.43e-03	0.0	0.0	11.09	-4.97	-0.51	3.82	0.70	12.26
		4.80	-0.02	-2.25e-06	0.0	141.6	11.09	-4.97	-0.51	3.82	-0.02	4.80
234	7	87.05	8.66	-3.76e-03	0.0	0.0	68.65	-43.95	-3.86	21.25	8.66	87.05

		23.66	3.19	-9.42e-06	0.0	141.6	68.65	-43.95	-3.86	21.25	3.19	23.66
234	10	37.07	-0.38	-1.85e-03	0.0	0.0	-5.18	-21.26	2.86	6.54	-4.43	37.07
		5.82	-4.43	-5.73e-06	0.0	141.6	-5.18	-21.26	2.86	6.54	-0.38	5.82
235	7	93.16	43.60	-4.94e-03	0.0	0.0	155.20	78.49	-71.68	38.16	43.60	-10.44
		-10.44	-51.01	1.82e-04	0.0	132.0	155.20	78.49	-71.68	38.16	-51.01	93.16
235	8	36.05	1.02	-3.99e-03	0.0	0.0	75.48	59.79	3.76	28.09	-3.95	-42.87
		-42.87	-3.95	-3.80e-05	0.0	132.0	75.48	59.79	3.76	28.09	1.02	36.05
235	10	38.37	-10.01	-2.34e-03	0.0	0.0	5.24	25.81	17.97	41.35	-33.73	4.31
		4.31	-33.73	1.25e-04	0.0	132.0	5.24	25.81	17.97	41.35	-10.01	38.37
236	7	139.97	-1.25	-3.22e-03	0.0	0.0	-3.06	136.23	9.96	-12.96	-11.12	0.80
		0.80	-11.12	-1.37e-05	0.0	99.0	-3.06	136.23	9.96	-12.96	-1.25	139.97
236	9	48.35	-0.50	-2.01e-03	0.0	0.0	-2.35	47.12	1.43	-5.17	-1.91	0.19
		0.19	-1.91	-2.67e-06	0.0	99.0	-2.35	47.12	1.43	-5.17	-0.50	48.35
236	10	41.31	0.79	-1.30e-03	0.0	0.0	4.14	39.51	-0.76	-5.06	0.79	0.76
		0.76	0.04	0.0	0.0	99.0	4.14	39.51	-0.76	-5.06	0.04	41.31
237	1	40.20	-0.05	-1.25e-03	0.0	0.0	0.64	38.73	-6.76e-03	0.52	-0.05	0.49
		0.49	-0.05	0.0	0.0	99.0	0.64	38.73	-6.76e-03	0.52	-0.05	40.20
237	6	73.08	-1.45	-2.34e-03	0.0	0.0	45.86	68.93	8.01	-13.30	-9.38	2.10
		2.10	-9.38	-1.20e-05	0.0	99.0	45.86	68.93	8.01	-13.30	-1.45	73.08
237	7	126.26	-1.23	-2.89e-03	0.0	0.0	24.26	120.55	9.76	-16.52	-10.90	2.44
		2.44	-10.90	-1.35e-05	0.0	99.0	24.26	120.55	9.76	-16.52	-1.23	126.26
237	10	40.87	0.71	-1.19e-03	0.0	0.0	5.45	38.82	-0.67	-5.11	0.71	0.95
		0.95	0.05	0.0	0.0	99.0	5.45	38.82	-0.67	-5.11	0.05	40.87
238	1	40.70	-0.05	-1.26e-03	0.0	0.0	3.49	39.60	0.05	0.22	-0.10	0.29
		0.29	-0.10	0.0	0.0	99.0	3.49	39.60	0.05	0.22	-0.05	40.70
238	6	71.39	-1.45	-2.05e-03	0.0	0.0	130.72	55.05	8.55	-9.99	-9.92	11.91
		11.91	-9.92	-1.27e-05	0.0	99.0	130.72	55.05	8.55	-9.99	-1.45	71.39
238	7	104.01	-1.28	-2.53e-03	0.0	0.0	92.79	82.85	9.46	-12.74	-10.64	15.36
		15.36	-10.64	-1.36e-05	0.0	99.0	92.79	82.85	9.46	-12.74	-1.28	104.01
238	10	40.71	0.55	-1.08e-03	0.0	0.0	3.59	33.87	-0.49	-3.92	0.55	4.83
		4.83	0.06	0.0	0.0	99.0	3.59	33.87	-0.49	-3.92	0.06	40.71
240	1	3.43	8.19e-04	-5.01e-05	0.0	0.0	0.08	-3.50	2.03e-03	0.25	-1.01e-03	3.43
		-0.39	-1.01e-03	0.0	0.0	90.0	0.08	-3.50	2.03e-03	0.25	8.19e-04	-0.39
240	6	-3.36	0.45	2.39e-03	0.0	0.0	2.41	9.15	1.16	-2.20	-0.59	-13.54
		-13.54	-0.59	6.74e-06	0.0	90.0	2.41	9.15	1.16	-2.20	0.45	-3.36
240	8	-3.80	0.56	2.60e-03	0.0	0.0	5.26	9.41	-1.09	1.88	0.56	-14.32
		-14.32	-0.42	-4.40e-06	0.0	90.0	5.26	9.41	-1.09	1.88	-0.42	-3.80
240	10	-2.24	0.09	1.04e-03	0.0	0.0	0.06	9.06	-0.18	-0.39	0.09	-12.26
		-12.26	-0.07	-1.32e-06	0.0	90.0	0.06	9.06	-0.18	-0.39	-0.07	-2.24
241	1	7.04	8.66e-04	-5.46e-05	0.0	0.0	-0.01	-2.75	1.55e-03	0.29	-5.31e-04	7.04
		4.03	-5.31e-04	0.0	0.0	90.0	-0.01	-2.75	1.55e-03	0.29	8.66e-04	4.03
241	6	-15.78	0.79	2.40e-03	0.0	0.0	0.87	13.10	1.80	-1.98	-0.83	-30.27
		-30.27	-0.83	4.59e-06	0.0	90.0	0.87	13.10	1.80	-1.98	0.79	-15.78
241	7	1.90	0.20	1.52e-03	0.0	0.0	-0.15	-3.76	0.45	-3.14	-0.21	1.90
		-2.11	-0.21	4.14e-06	0.0	90.0	-0.15	-3.76	0.45	-3.14	0.20	-2.11
241	8	-16.67	0.79	2.62e-03	0.0	0.0	6.61	15.61	-1.69	1.83	0.79	-33.91
		-33.91	-0.73	-2.66e-06	0.0	90.0	6.61	15.61	-1.69	1.83	-0.73	-16.67
242	1	7.03	1.62e-03	-6.38e-05	0.0	0.0	-0.15	2.11	-2.97e-03	0.21	1.62e-03	4.71
		4.71	-1.05e-03	0.0	0.0	90.0	-0.15	2.11	-2.97e-03	0.21	-1.05e-03	7.03
242	6	-33.92	0.86	2.44e-03	0.0	0.0	-1.33	12.44	1.87	-2.27	-0.83	-47.87
		-47.87	-0.83	4.66e-06	0.0	90.0	-1.33	12.44	1.87	-2.27	0.86	-33.92
242	8	-39.31	0.92	2.66e-03	0.0	0.0	6.68	31.29	-2.00	1.23	0.92	-73.93
		-73.93	-0.89	-2.70e-06	0.0	90.0	6.68	31.29	-2.00	1.23	-0.89	-39.31
243	1	4.06	2.45e-03	-6.92e-05	0.0	0.0	-0.30	3.64	-6.01e-03	0.10	2.45e-03	0.07
		0.07	-2.96e-03	0.0	0.0	90.0	-0.30	3.64	-6.01e-03	0.10	-2.96e-03	4.06
243	6	-16.97	0.69	2.51e-03	0.0	0.0	-3.88	-29.68	1.39	-6.08	-0.57	-16.97
		-49.32	-0.57	6.93e-06	0.0	90.0	-3.88	-29.68	1.39	-6.08	0.69	-49.32
243	8	-34.73	0.74	2.76e-03	0.0	0.0	3.26	-39.80	-1.85	5.24	0.74	-34.73
		-78.04	-0.92	-5.07e-06	0.0	90.0	3.26	-39.80	-1.85	5.24	-0.92	-78.04
244	1	0.0	7.10	0.0	0.0	0.0	0.0	3.85	4.44	-4.13	0.0	0.0
		0.0	0.0	-9.49e-06	0.0	160.0	0.0	3.85	4.44	-4.13	7.10	0.0
244	2	0.0	6.05	0.0	0.0	0.0	0.0	1.87	3.78	-2.03	0.0	0.0
		0.0	0.0	-8.09e-06	0.0	160.0	0.0	1.87	3.78	-2.03	6.05	0.0
244	5	0.0	0.0	0.0	0.0	0.0	0.0	-1.24	-1.59	1.17	0.0	0.0
		0.0	-2.55	3.41e-06	0.0	160.0	0.0	-1.24	-1.59	1.17	-2.55	0.0
245	1	0.0	7.40	0.0	0.0	0.0	0.0	4.81	4.63	-4.72	0.0	0.0
		0.0	0.0	-9.90e-06	0.0	160.0	0.0	4.81	4.63	-4.72	7.40	0.0
245	2	0.0	8.75	0.0	0.0	0.0	0.0	5.29	5.47	-2.20	0.0	0.0
		0.0	0.0	-1.17e-05	0.0	160.0	0.0	5.29	5.47	-2.20	8.75	0.0
245	3	0.0	3.77	0.0	0.0	0.0	0.0	2.25	2.36	-1.90	0.0	0.0
		0.0	0.0	-5.04e-06	0.0	160.0	0.0	2.25	2.36	-1.90	3.77	0.0
245	5	0.0	0.0	0.0	0.0	0.0	0.0	4.45	-0.90	1.28	0.0	0.0
		0.0	-1.45	1.93e-06	0.0	160.0	0.0	4.45	-0.90	1.28	-1.45	0.0
246	1	0.0	0.0	0.0	0.0	0.0	44.02	17.58	0.0	-8.99	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	44.02	17.58	0.0	-8.99	0.0	0.0
246	4	0.0	0.0	0.0	0.0	0.0	-7.99	4.55	0.0	0.07	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-7.99	4.55	0.0	0.07	0.0	0.0

246	5	0.0	0.0	0.0	0.0	0.0	346.15	30.60	0.0	-16.71	0.0	0.0
		0.0	0.0	-1.42e-06	0.0	160.0	346.15	30.60	0.0	-16.71	0.0	0.0
247	8	0.0	3.77	-2.41e-03	0.0	0.0	-16.82	0.0	-10.98	0.0	3.77	0.0
		0.0	0.0	7.39e-05	0.0	34.3	-16.82	0.0	-10.98	0.0	0.0	0.0
247	9	0.0	7.72	-2.73e-03	0.0	0.0	25.66	0.0	-22.51	0.0	7.72	0.0
		0.0	0.0	1.81e-04	0.0	34.3	25.66	0.0	-22.51	0.0	0.0	0.0
247	10	0.0	25.54	-2.21e-03	0.0	0.0	179.99	0.0	-74.49	0.0	25.54	0.0
		0.0	0.0	1.58e-04	0.0	34.3	179.99	0.0	-74.49	0.0	0.0	0.0
248	7	0.0	2.51	-1.40e-03	0.0	0.0	-23.60	0.0	-6.83	0.0	2.51	0.0
		0.0	0.0	4.73e-05	0.0	36.8	-23.60	0.0	-6.83	0.0	0.0	0.0
248	9	0.0	16.51	-2.00e-03	0.0	0.0	47.99	0.0	-44.87	0.0	16.51	0.0
		0.0	0.0	3.47e-04	0.0	36.8	47.99	0.0	-44.87	0.0	0.0	0.0
248	10	0.0	0.0	-1.36e-03	0.0	0.0	-122.70	0.0	20.02	0.0	-7.37	0.0
		0.0	-7.37	-1.36e-04	0.0	36.8	-122.70	0.0	20.02	0.0	0.0	0.0
249	6	0.0	0.67	3.97e-04	0.0	0.0	-8.85	0.0	-1.44	0.0	0.67	0.0
		0.0	0.0	2.26e-05	0.0	46.6	-8.85	0.0	-1.44	0.0	0.0	0.0
249	9	0.0	10.47	5.89e-04	0.0	0.0	31.08	0.0	-22.46	0.0	10.47	0.0
		0.0	0.0	2.22e-04	0.0	46.6	31.08	0.0	-22.46	0.0	0.0	0.0
249	10	0.0	0.0	6.13e-04	0.0	0.0	-31.55	0.0	5.95	0.0	-2.77	0.0
		0.0	-2.77	-4.77e-05	0.0	46.6	-31.55	0.0	5.95	0.0	0.0	0.0
250	1	0.02	-4.31e-04	-1.25e-03	0.0	0.0	-0.11	0.04	-5.29e-03	-2.89e-03	-4.31e-04	-0.05
		-0.05	-8.37e-03	1.98e-06	0.0	150.0	-0.11	0.04	-5.29e-03	-2.89e-03	-8.37e-03	0.02
250	10	3.25	3.69	3.83e-04	0.0	0.0	-13.70	4.89	-10.25	8.05	3.69	-4.09
		-4.09	-11.68	0.01	0.0	150.0	-13.70	4.89	-10.25	8.05	-11.68	3.25
251	1	0.05	-0.01	-1.28e-03	0.0	0.0	-0.29	0.08	-0.02	-0.02	-0.01	-0.07
		-0.07	-0.04	-2.00e-05	0.0	150.0	-0.29	0.08	-0.02	-0.02	-0.04	0.05
251	9	1.29	1.91	-2.19e-03	0.0	0.0	-8.83	1.59	1.25	0.62	0.04	-1.10
		-1.10	0.04	6.96e-04	0.0	150.0	-8.83	1.59	1.25	0.62	1.91	1.29
251	10	7.30	-9.09	3.54e-04	0.0	0.0	-16.70	8.13	0.47	-0.80	-9.80	-4.90
		-4.90	-9.80	-2.34e-03	0.0	150.0	-16.70	8.13	0.47	-0.80	-9.09	7.30
252	1	-0.09	-0.05	-1.38e-03	0.0	0.0	-0.59	6.10e-03	-0.05	-0.07	-0.05	-0.10
		-0.10	-0.13	-1.10e-04	0.0	150.0	-0.59	6.10e-03	-0.05	-0.07	-0.13	-0.09
252	9	0.87	6.55	-3.87e-03	0.0	0.0	-13.79	1.25	2.81	3.68	2.34	-1.00
		-1.00	2.34	4.93e-03	0.0	150.0	-13.79	1.25	2.81	3.68	6.55	0.87
252	10	2.64	8.52	-2.20e-03	0.0	0.0	-17.38	-1.73	13.34	-8.82	-11.49	2.64
		0.04	-11.49	-0.01	0.0	150.0	-17.38	-1.73	13.34	-8.82	8.52	0.04
253	1	0.02	0.49	-1.71e-03	0.0	0.0	-1.28	0.32	0.45	-0.07	-0.19	-0.46
		-0.46	-0.19	-1.67e-04	0.0	150.0	-1.28	0.32	0.45	-0.07	0.49	0.02
253	9	3.94	8.99	-4.62e-03	0.0	0.0	-20.56	3.89	-13.82	7.11	8.99	-1.90
		-1.90	-11.74	0.01	0.0	150.0	-20.56	3.89	-13.82	7.11	-11.74	3.94
253	10	0.63	5.40	-2.89e-03	0.0	0.0	-21.75	0.91	-0.89	-5.36	5.40	-0.74
		-0.74	4.07	-8.52e-03	0.0	150.0	-21.75	0.91	-0.89	-5.36	4.07	0.63
254	1	1.15	0.50	-2.13e-03	0.0	0.0	-29.37	1.55	-0.88	0.07	0.50	-1.18
		-1.18	-0.81	1.29e-04	0.0	150.0	-29.37	1.55	-0.88	0.07	-0.81	1.15
254	8	3.35	1.69	-6.49e-03	0.0	0.0	-96.12	4.50	-2.49	0.57	1.69	-3.40
		-3.40	-2.04	8.61e-04	0.0	150.0	-96.12	4.50	-2.49	0.57	-2.04	3.35
254	9	1.99	-9.91	-6.26e-03	0.0	0.0	-113.46	-2.58	-2.40	-1.35	-9.91	1.99
		-1.88	-13.50	-2.41e-03	0.0	150.0	-113.46	-2.58	-2.40	-1.35	-13.50	-1.88
254	10	1.76	2.79	-3.99e-03	0.0	0.0	-79.95	1.73	-2.67	-2.11	2.79	-0.84
		-0.84	-1.22	-3.50e-03	0.0	150.0	-79.95	1.73	-2.67	-2.11	-1.22	1.76
255	1	1.20	0.73	-1.11e-03	0.0	0.0	-32.55	1.71	1.69	-0.22	-0.87	-0.42
		-0.42	-0.87	-2.40e-04	0.0	94.6	-32.55	1.71	1.69	-0.22	0.73	1.20
255	9	5.96	13.63	-2.15e-03	0.0	0.0	-113.06	11.41	32.25	-9.72	-16.89	-4.84
		-4.84	-16.89	-0.01	0.0	94.6	-113.06	11.41	32.25	-9.72	13.63	5.96
256	1	0.36	0.66	-1.06e-03	0.0	0.0	-34.51	0.07	-0.51	0.02	0.66	0.25
		0.25	-0.05	5.42e-05	0.0	139.9	-34.51	0.07	-0.51	0.02	-0.05	0.36
256	6	1.05	1.82	-2.98e-03	0.0	0.0	-91.95	0.48	-1.41	0.18	1.82	0.38
		0.38	-0.15	4.02e-04	0.0	139.9	-91.95	0.48	-1.41	0.18	-0.15	1.05
256	9	5.65	9.75	-1.80e-03	0.0	0.0	-117.55	-5.18	-3.88	-5.86	9.75	5.65
		-1.59	4.32	-7.72e-03	0.0	139.9	-117.55	-5.18	-3.88	-5.86	4.32	-1.59
257	1	0.40	0.11	7.73e-04	0.0	0.0	-35.44	-0.33	-0.08	0.11	0.11	0.40
		-0.08	-2.57e-03	1.67e-04	0.0	143.7	-35.44	-0.33	-0.08	0.11	-2.57e-03	-0.08
257	7	1.89	0.36	2.37e-03	0.0	0.0	-110.90	-2.19	-0.30	0.43	0.36	1.89
		-1.26	-0.07	6.89e-04	0.0	143.7	-110.90	-2.19	-0.30	0.43	-0.07	-1.26
257	8	1.11	13.07	2.33e-03	0.0	0.0	-113.20	-0.67	-16.07	8.65	13.07	1.11
		0.15	-10.02	0.01	0.0	143.7	-113.20	-0.67	-16.07	8.65	-10.02	0.15
258	1	0.31	0.08	4.75e-04	0.0	0.0	-36.12	-0.16	0.04	0.05	0.03	0.31
		0.07	0.03	5.96e-05	0.0	143.7	-36.12	-0.16	0.04	0.05	0.08	0.07
258	7	1.94	0.22	1.80e-03	0.0	0.0	-117.15	-2.13	0.07	0.24	0.22	1.94
		-1.13	0.12	3.78e-04	0.0	143.7	-117.15	-2.13	0.07	0.24	0.12	-1.13
258	8	0.87	10.71	1.11e-03	0.0	0.0	-113.70	0.17	0.15	0.15	10.50	0.62
		0.62	10.50	-1.96e-03	0.0	143.7	-113.70	0.17	0.15	0.15	10.71	0.87
258	9	1.68	-5.53e-04	3.11e-04	0.0	0.0	-108.29	1.68	-0.16	-0.24	-5.53e-04	-0.74
		-0.74	-0.22	-3.07e-04	0.0	143.7	-108.29	1.68	-0.16	-0.24	-0.22	1.68
259	1	0.22	0.02	1.61e-04	0.0	0.0	-36.42	-0.04	0.01	8.40e-03	7.91e-03	0.22
		0.16	7.91e-03	8.70e-06	0.0	143.7	-36.42	-0.04	0.01	8.40e-03	0.02	0.16
259	7	2.00	0.06	1.16e-03	0.0	0.0	-123.52	-2.18	-5.26e-03	0.12	0.06	2.00

		-1.13	0.05	2.21e-04	0.0	143.7	-123.52	-2.18	-5.26e-03	0.12	0.05	-1.13
259	8	1.40	12.75	-1.99e-04	0.0	0.0	-112.09	1.09	15.84	-8.24	-10.02	-0.16
		-0.16	-10.02	-0.01	0.0	143.7	-112.09	1.09	15.84	-8.24	12.75	1.40
260	1	0.27	8.36e-03	-1.61e-04	0.0	0.0	-36.32	0.11	3.24e-03	-2.77e-03	3.71e-03	0.11
		0.11	3.71e-03	-6.74e-06	0.0	143.7	-36.32	0.11	3.24e-03	-2.77e-03	8.36e-03	0.27
260	7	2.02	0.05	4.56e-04	0.0	0.0	-129.92	-2.16	-0.03	0.08	0.05	2.02
		-1.08	7.96e-03	1.63e-04	0.0	143.7	-129.92	-2.16	-0.03	0.08	7.96e-03	-1.08
260	8	1.30	-2.80	-9.88e-04	0.0	0.0	-109.07	1.11	-3.05	-4.44	-2.80	-0.30
		-0.30	-7.17	-5.68e-03	0.0	143.7	-109.07	1.11	-3.05	-4.44	-7.17	1.30
261	1	0.35	6.65e-03	-4.73e-04	0.0	0.0	-35.82	0.24	4.86e-03	-6.81e-03	-3.32e-04	0.01
		0.01	-3.32e-04	-1.41e-05	0.0	143.7	-35.82	0.24	4.86e-03	-6.81e-03	6.65e-03	0.35
261	6	0.93	12.80	-6.23e-04	0.0	0.0	-105.45	-0.41	-15.83	8.21	12.80	0.93
		0.34	-9.94	0.01	0.0	143.7	-105.45	-0.41	-15.83	8.21	-9.94	0.34
261	7	2.03	0.05	-3.00e-04	0.0	0.0	-136.27	-2.13	-0.02	0.07	0.05	2.03
		-1.03	0.01	1.16e-04	0.0	143.7	-136.27	-2.13	-0.02	0.07	0.01	-1.03
262	1	0.42	3.87e-03	-7.53e-04	0.0	0.0	-34.96	0.36	2.12e-03	-9.87e-03	8.71e-04	-0.08
		-0.08	8.71e-04	-1.76e-05	0.0	141.6	-34.96	0.36	2.12e-03	-9.87e-03	3.87e-03	0.42
262	6	1.01	10.59	-1.78e-03	0.0	0.0	-105.28	0.43	0.01	-0.12	10.59	0.41
		0.41	10.57	-2.09e-03	0.0	141.6	-105.28	0.43	0.01	-0.12	10.59	1.01
262	7	2.02	0.02	-1.08e-03	0.0	0.0	-142.53	-2.12	0.15	0.13	-0.19	2.02
		-0.98	-0.19	1.22e-04	0.0	141.6	-142.53	-2.12	0.15	0.13	0.02	-0.98
263	1	0.48	0.03	-1.01e-03	0.0	0.0	-33.80	0.46	-0.02	-0.02	0.03	-0.18
		-0.18	5.98e-03	-3.07e-05	0.0	141.6	-33.80	0.46	-0.02	-0.02	5.98e-03	0.48
263	6	1.47	12.90	-2.89e-03	0.0	0.0	-103.07	1.27	16.07	-8.46	-9.86	-0.33
		-0.33	-9.86	-0.01	0.0	141.6	-103.07	1.27	16.07	-8.46	12.90	1.47
263	7	2.12	-0.25	-1.89e-03	0.0	0.0	-148.70	-2.17	1.21	0.85	-1.97	2.12
		-0.96	-1.97	8.26e-04	0.0	141.6	-148.70	-2.17	1.21	0.85	-0.25	-0.96
263	9	1.46	0.08	-2.36e-03	0.0	0.0	-83.71	1.71	-0.01	-0.19	0.08	-0.96
		-0.96	0.06	-3.25e-04	0.0	141.6	-83.71	1.71	-0.01	-0.19	0.06	1.46
264	1	0.47	0.07	-1.23e-03	0.0	0.0	-32.45	0.45	-0.02	-0.07	0.07	-0.17
		-0.17	0.05	-9.18e-05	0.0	141.6	-32.45	0.45	-0.02	-0.07	0.05	0.47
264	6	1.36	-2.63	-3.66e-03	0.0	0.0	-99.56	1.27	-3.01	-4.90	-2.63	-0.45
		-0.45	-6.89	-6.33e-03	0.0	141.6	-99.56	1.27	-3.01	-4.90	-6.89	1.36
264	7	1.57	-2.50	-2.73e-03	0.0	0.0	-154.68	-1.64	2.77	3.83	-6.43	1.57
		-0.75	-6.43	4.73e-03	0.0	141.6	-154.68	-1.64	2.77	3.83	-2.50	-0.75
264	9	1.27	0.21	-2.69e-03	0.0	0.0	-79.06	1.44	-0.02	-0.33	0.21	-0.77
		-0.77	0.18	-5.18e-04	0.0	141.6	-79.06	1.44	-0.02	-0.33	0.18	1.27
264	10	0.47	0.42	-1.55e-03	0.0	0.0	-82.20	-0.39	-0.17	-0.31	0.42	0.47
		-0.08	0.18	-3.88e-04	0.0	141.6	-82.20	-0.39	-0.17	-0.31	0.18	-0.08
265	1	0.55	0.11	-1.46e-03	0.0	0.0	-30.97	0.59	0.55	-0.03	-0.67	-0.29
		-0.29	-0.67	4.36e-05	0.0	141.6	-30.97	0.59	0.55	-0.03	0.11	0.55
265	7	5.43	10.02	-3.92e-03	0.0	0.0	-161.00	-4.93	-13.35	7.36	10.02	5.43
		-1.54	-8.88	0.01	0.0	141.6	-161.00	-4.93	-13.35	7.36	-8.88	-1.54
266	1	0.52	0.43	-1.49e-03	0.0	0.0	-1.31	0.83	-0.89	0.25	0.43	-0.59
		-0.59	-0.75	4.90e-04	0.0	132.0	-1.31	0.83	-0.89	0.25	-0.75	0.52
266	6	1.58	0.77	-4.34e-03	0.0	0.0	-9.83	2.35	-2.36	0.27	0.77	-1.53
		-1.53	-2.33	6.42e-04	0.0	132.0	-9.83	2.35	-2.36	0.27	-2.33	1.58
266	7	5.35	12.16	-4.79e-03	0.0	0.0	-60.19	4.92	-3.30	0.54	12.16	-1.15
		-1.15	7.81	1.16e-03	0.0	132.0	-60.19	4.92	-3.30	0.54	7.81	5.35
266	10	0.29	1.29	-2.34e-03	0.0	0.0	-90.20	0.04	-1.75	-0.51	1.29	0.24
		0.24	-1.02	-8.74e-05	0.0	132.0	-90.20	0.04	-1.75	-0.51	-1.02	0.29
267	1	0.07	0.29	-1.47e-03	0.0	0.0	-0.03	0.24	0.10	0.21	0.13	-0.29
		-0.29	0.13	3.32e-04	0.0	150.0	-0.03	0.24	0.10	0.21	0.29	0.07
267	7	4.04	13.97	-5.47e-03	0.0	0.0	-57.85	3.96	16.05	-7.82	-10.11	-1.89
		-1.89	-10.11	-0.01	0.0	150.0	-57.85	3.96	16.05	-7.82	13.97	4.04
267	10	-0.33	1.53	-2.67e-03	0.0	0.0	-92.40	0.09	1.85	-0.92	-1.26	-0.46
		-0.46	-1.26	-9.91e-04	0.0	150.0	-92.40	0.09	1.85	-0.92	1.53	-0.33
268	1	0.08	0.09	-1.09e-03	0.0	0.0	0.80	0.19	0.01	0.07	0.06	-0.21
		-0.21	0.06	1.10e-04	0.0	150.0	0.80	0.19	0.01	0.07	0.09	0.08
268	7	4.35	-2.87	-3.82e-03	0.0	0.0	-45.53	5.35	-3.06	-3.79	-2.87	-3.67
		-3.67	-7.45	-4.87e-03	0.0	150.0	-45.53	5.35	-3.06	-3.79	-7.45	4.35
268	8	0.29	0.15	-2.84e-03	0.0	0.0	-1.33	0.62	0.03	0.12	0.10	-0.64
		-0.64	0.10	2.08e-04	0.0	150.0	-1.33	0.62	0.03	0.12	0.15	0.29
268	10	2.28	-0.94	-1.90e-03	0.0	0.0	-101.70	-3.79	2.45	0.73	-4.62	2.28
		-3.41	-4.62	1.23e-03	0.0	150.0	-101.70	-3.79	2.45	0.73	-0.94	-3.41
269	1	-0.03	0.05	-6.24e-04	0.0	0.0	1.21	0.03	0.04	1.16e-03	-1.16e-03	-0.07
		-0.07	-1.16e-03	2.12e-05	0.0	150.0	1.21	0.03	0.04	1.16e-03	0.05	-0.03
269	7	1.47	0.68	-1.91e-03	0.0	0.0	-36.09	2.42	-2.16	-0.40	0.68	-2.15
		-2.15	-2.57	2.65e-04	0.0	150.0	-36.09	2.42	-2.16	-0.40	-2.57	1.47
269	10	5.57	-5.55	-8.85e-04	0.0	0.0	-120.95	-7.61	0.10	5.94	-5.70	5.57
		-5.85	-5.70	8.69e-03	0.0	150.0	-120.95	-7.61	0.10	5.94	-5.55	-5.85
270	1	0.05	0.01	-4.30e-04	0.0	0.0	1.18	-0.10	-0.01	-3.79e-03	0.01	0.05
		-0.11	-2.64e-03	5.14e-06	0.0	150.0	1.18	-0.10	-0.01	-3.79e-03	-2.64e-03	-0.11
270	10	6.24	13.77	-6.21e-04	0.0	0.0	-134.69	-7.18	-15.32	9.50	13.77	6.24
		-4.53	-9.20	0.01	0.0	150.0	-134.69	-7.18	-15.32	9.50	-9.20	-4.53
271	1	0.11	0.01	-1.98e-04	0.0	0.0	0.90	-0.14	4.69e-04	-6.79e-03	0.01	0.11
		-0.11	0.01	-1.32e-05	0.0	150.0	0.90	-0.14	4.69e-04	-6.79e-03	0.01	-0.11

271	7	1.75	0.08	-5.27e-04	0.0	0.0	-21.73	2.53	0.27	-0.07	-0.33	-2.04
		-2.04	-0.33	-4.81e-05	0.0	150.0	-21.73	2.53	0.27	-0.07	0.08	1.75
271	10	4.11	11.27	-6.64e-04	0.0	0.0	-107.86	-1.32	0.06	0.55	11.18	4.11
		2.13	11.18	-2.30e-03	0.0	150.0	-107.86	-1.32	0.06	0.55	11.27	2.13
272	1	0.09	0.02	1.14e-04	0.0	0.0	0.57	-0.11	0.02	-0.01	-9.95e-03	0.09
		-0.07	-9.95e-03	-3.35e-05	0.0	150.0	0.57	-0.11	0.02	-0.01	0.02	-0.07
272	10	10.89	13.71	1.09e-03	0.0	0.0	-77.69	10.37	16.47	-7.88	-11.00	-4.66
		-4.66	-11.00	-0.01	0.0	150.0	-77.69	10.37	16.47	-7.88	13.71	10.89
273	1	0.06	-1.67e-04	3.42e-04	0.0	0.0	0.31	-0.07	8.84e-03	-0.01	-0.01	0.06
		-0.04	-0.01	-2.98e-05	0.0	150.0	0.31	-0.07	8.84e-03	-0.01	-1.67e-04	-0.04
273	7	1.30	0.13	1.73e-03	0.0	0.0	-10.48	1.80	-0.18	0.24	0.13	-1.40
		-1.40	-0.14	4.73e-04	0.0	150.0	-10.48	1.80	-0.18	0.24	-0.14	1.30
273	10	6.51	-3.40	1.89e-03	0.0	0.0	-47.92	7.92	-3.00	-4.70	-3.40	-5.37
		-5.37	-7.90	-6.20e-03	0.0	150.0	-47.92	7.92	-3.00	-4.70	-7.90	6.51
274	1	0.05	-4.20e-03	4.86e-04	0.0	0.0	0.13	-0.06	-1.69e-03	-9.43e-03	-4.20e-03	0.05
		-0.04	-6.73e-03	-1.73e-05	0.0	150.0	0.13	-0.06	-1.69e-03	-9.43e-03	-6.73e-03	-0.04
274	10	6.65	0.13	2.48e-03	0.0	0.0	-20.99	9.99	-2.02	-1.16	0.13	-8.34
		-8.34	-2.89	-4.84e-04	0.0	150.0	-20.99	9.99	-2.02	-1.16	-2.89	6.65
275	1	0.55	1.81e-03	3.50e-04	0.0	0.0	1.21	0.68	-1.03e-03	-9.42e-04	1.81e-03	-0.42
		-0.42	3.44e-04	-7.07e-06	0.0	142.9	1.21	0.68	-1.03e-03	-9.42e-04	3.44e-04	0.55
275	4	0.05	-0.06	3.64e-04	0.0	0.0	0.08	-0.09	0.10	0.23	-0.20	0.05
		-0.08	-0.20	2.75e-03	0.0	142.9	0.08	-0.09	0.10	0.23	-0.06	-0.08
276	1	0.26	2.54e-03	4.06e-04	0.0	0.0	2.62	0.43	1.45e-04	-2.22e-03	2.33e-03	-0.38
		-0.38	2.33e-03	-1.06e-05	0.0	150.0	2.62	0.43	1.45e-04	-2.22e-03	2.54e-03	0.26
276	3	0.24	0.13	4.83e-04	0.0	0.0	2.45	0.40	-0.10	-0.07	0.13	-0.36
		-0.36	-0.02	-3.02e-05	0.0	150.0	2.45	0.40	-0.10	-0.07	-0.02	0.24
276	4	0.04	-0.33	4.01e-04	0.0	0.0	0.10	-0.07	0.97	1.04	-1.79	0.04
		-0.06	-1.79	3.70e-03	0.0	150.0	0.10	-0.07	0.97	1.04	-0.33	-0.06
277	1	0.15	3.77e-03	5.51e-04	0.0	0.0	3.75	0.32	0.01	2.84e-05	-0.01	-0.32
		-0.32	-0.01	-1.15e-05	0.0	150.0	3.75	0.32	0.01	2.84e-05	3.77e-03	0.15
277	3	0.13	1.89	6.28e-04	0.0	0.0	3.49	0.29	-1.16	-0.77	1.89	-0.30
		-0.30	0.15	-7.13e-04	0.0	150.0	3.49	0.29	-1.16	-0.77	0.15	0.13
277	4	0.07	-2.44	4.55e-04	0.0	0.0	0.02	-0.14	3.08	4.45	-7.06	0.07
		-0.14	-7.06	8.15e-03	0.0	150.0	0.02	-0.14	3.08	4.45	-2.44	-0.14
278	1	-0.05	-0.01	8.54e-04	0.0	0.0	4.31	0.30	0.02	0.01	-0.05	-0.49
		-0.49	-0.05	1.57e-05	0.0	150.0	4.31	0.30	0.02	0.01	-0.01	-0.05
278	4	0.14	10.64	5.38e-04	0.0	0.0	-0.19	-0.24	-13.73	9.33	10.64	0.14
		-0.22	-9.95	0.02	0.0	150.0	-0.19	-0.24	-13.73	9.33	-9.95	-0.22
279	1	0.31	0.34	1.50e-03	0.0	0.0	3.44	-0.88	-0.28	-0.09	0.34	0.31
		-0.95	-0.07	-3.10e-05	0.0	143.2	3.44	-0.88	-0.28	-0.09	-0.07	-0.95
279	3	0.43	10.12	1.50e-03	0.0	0.0	2.96	-0.94	14.07	-8.90	-10.03	0.43
		-0.92	-10.03	-0.01	0.0	143.2	2.96	-0.94	14.07	-8.90	10.12	-0.92
279	4	0.20	7.73	5.65e-04	0.0	0.0	-1.13	-0.30	3.00	4.89	3.44	0.20
		-0.24	3.44	6.83e-03	0.0	143.2	-1.13	-0.30	3.00	4.89	7.73	-0.24
280	1	1.25	2.19	1.91e-03	0.0	0.0	-37.18	-1.75	-1.27	-0.92	2.19	1.25
		-1.26	0.38	-9.19e-04	0.0	143.2	-37.18	-1.75	-1.27	-0.92	0.38	-1.26
280	3	1.25	-2.91	1.68e-03	0.0	0.0	-34.73	-1.53	-3.07	-4.17	-2.91	1.25
		-0.94	-7.30	-5.19e-03	0.0	143.2	-34.73	-1.53	-3.07	-4.17	-7.30	-0.94
280	4	0.29	2.56	5.34e-04	0.0	0.0	-17.09	-0.32	1.40	1.35	0.56	0.29
		-0.17	0.56	1.64e-03	0.0	143.2	-17.09	-0.32	1.40	1.35	2.56	-0.17
280	6	0.41	0.03	5.89e-04	0.0	0.0	-11.68	-0.55	-0.01	0.03	0.03	0.41
		-0.38	9.33e-03	5.35e-05	0.0	143.2	-11.68	-0.55	-0.01	0.03	9.33e-03	-0.38
281	1	1.17	7.40	1.64e-03	0.0	0.0	-41.19	-1.29	-3.22	-4.40	7.40	1.17
		-0.68	2.79	-5.46e-03	0.0	143.2	-41.19	-1.29	-3.22	-4.40	2.79	-0.68
281	3	0.78	-2.40	1.09e-03	0.0	0.0	-37.02	-0.55	0.04	0.03	-2.46	0.78
		-6.81e-03	-2.46	4.75e-04	0.0	143.2	-37.02	-0.55	0.04	0.03	-2.40	-6.81e-03
281	6	0.34	0.01	4.71e-04	0.0	0.0	-12.85	-0.35	2.26e-03	0.02	0.01	0.34
		-0.16	0.01	2.79e-05	0.0	143.2	-12.85	-0.35	2.26e-03	0.02	0.01	-0.16
282	1	1.15	10.21	1.18e-03	0.0	0.0	-44.80	-1.15	14.29	-9.08	-10.26	1.15
		-0.50	-10.26	-0.01	0.0	143.2	-44.80	-1.15	14.29	-9.08	10.21	-0.50
282	6	0.29	9.13e-03	3.07e-04	0.0	0.0	-13.75	-0.27	-2.17e-03	7.35e-03	9.13e-03	0.29
		-0.09	6.02e-03	1.30e-05	0.0	143.2	-13.75	-0.27	-2.17e-03	7.35e-03	6.02e-03	-0.09
283	1	0.85	-2.97	5.29e-04	0.0	0.0	-46.91	-0.63	-3.13	-4.28	-2.97	0.85
		-0.06	-7.45	-5.34e-03	0.0	143.2	-46.91	-0.63	-3.13	-4.28	-7.45	-0.06
283	2	0.63	2.09	4.89e-04	0.0	0.0	-32.55	-0.63	-1.26	-0.96	2.09	0.63
		-0.28	0.29	-9.68e-04	0.0	143.2	-32.55	-0.63	-1.26	-0.96	0.29	-0.28
283	3	0.54	10.22	-1.25e-04	0.0	0.0	-37.17	0.38	-14.30	9.06	10.22	-7.35e-03
		-7.35e-03	-10.25	0.01	0.0	143.2	-37.17	0.38	-14.30	9.06	-10.25	0.54
283	6	0.20	8.60e-03	1.13e-04	0.0	0.0	-14.29	-0.12	-9.84e-04	5.25e-04	8.60e-03	0.20
		0.03	7.19e-03	-1.11e-06	0.0	143.2	-14.29	-0.12	-9.84e-04	5.25e-04	7.19e-03	0.03
284	1	0.54	-2.40	-2.15e-04	0.0	0.0	-47.69	-0.15	-0.02	-0.03	-2.40	0.54
		0.33	-2.43	4.49e-04	0.0	144.5	-47.69	-0.15	-0.02	-0.03	-2.43	0.33
284	2	0.61	7.39	1.79e-04	0.0	0.0	-34.28	-0.55	-3.25	-4.37	7.39	0.61
		-0.19	2.69	-5.46e-03	0.0	144.5	-34.28	-0.55	-3.25	-4.37	2.69	-0.19
284	3	0.58	7.42	-5.07e-04	0.0	0.0	-36.10	0.50	3.27	4.37	2.69	-0.14
		-0.14	2.69	5.44e-03	0.0	144.5	-36.10	0.50	3.27	4.37	7.42	0.58
284	6	0.13	0.01	-9.06e-05	0.0	0.0	-14.42	0.03	3.24e-03	-6.12e-03	5.45e-03	0.10



		0.10	5.45e-03	-1.21e-05	0.0	144.5	-14.42	0.03	3.24e-03	-6.12e-03	0.01	0.13
285	1	0.85	-2.92	-1.01e-03	0.0	0.0	-46.76	0.61	3.13	4.21	-7.44	-0.03
		-0.03	-7.44	5.30e-03	0.0	144.5	-46.76	0.61	3.13	4.21	-2.92	0.85
285	2	0.48	10.19	-2.55e-04	0.0	0.0	-35.53	-0.28	14.11	-9.07	-10.20	0.48
		0.08	-10.20	-0.01	0.0	144.5	-35.53	-0.28	14.11	-9.07	10.19	0.08
285	3	0.70	2.10	-8.66e-04	0.0	0.0	-34.37	0.71	1.27	0.94	0.27	-0.32
		-0.32	0.27	9.41e-04	0.0	144.5	-34.37	0.71	1.27	0.94	2.10	0.70
285	6	0.24	0.01	-2.91e-04	0.0	0.0	-14.13	0.18	4.75e-03	-0.01	3.55e-03	-0.03
		-0.03	3.55e-03	-2.39e-05	0.0	144.5	-14.13	0.18	4.75e-03	-0.01	0.01	0.24
286	1	1.04	10.21	-1.65e-03	0.0	0.0	-44.13	1.01	-14.14	9.02	10.21	-0.41
		-0.41	-10.22	0.01	0.0	144.5	-44.13	1.01	-14.14	9.02	-10.22	1.04
286	6	0.29	0.01	-4.65e-04	0.0	0.0	-13.47	0.27	2.44e-03	-0.02	8.08e-03	-0.10
		-0.10	8.08e-03	-3.67e-05	0.0	144.5	-13.47	0.27	2.44e-03	-0.02	0.01	0.29
287	1	1.17	7.43	-2.05e-03	0.0	0.0	-41.00	1.52	3.25	4.30	2.74	-1.03
		-1.03	2.74	5.36e-03	0.0	144.5	-41.00	1.52	3.25	4.30	7.43	1.17
287	2	0.83	-2.15	-1.38e-03	0.0	0.0	-33.98	0.86	-0.07	-0.18	-2.15	-0.40
		-0.40	-2.26	3.07e-04	0.0	144.5	-33.98	0.86	-0.07	-0.18	-2.26	0.83
287	5	0.25	7.90	-5.43e-04	0.0	0.0	-18.86	0.24	-3.45	-4.72	7.90	-0.10
		-0.10	2.92	-6.06e-03	0.0	144.5	-18.86	0.24	-3.45	-4.72	2.92	0.25
287	6	0.35	0.02	-5.95e-04	0.0	0.0	-12.53	0.45	0.01	-0.03	-7.62e-04	-0.30
		-0.30	-7.62e-04	-5.44e-05	0.0	144.5	-12.53	0.45	0.01	-0.03	0.02	0.35
288	1	0.36	2.20	-1.81e-03	0.0	0.0	-2.05	0.77	1.38	0.87	0.20	-0.75
		-0.75	0.20	7.91e-04	0.0	144.5	-2.05	0.77	1.38	0.87	2.20	0.36
288	2	0.46	-2.55	-1.48e-03	0.0	0.0	-3.11	0.71	3.35	3.90	-7.40	-0.57
		-0.57	-7.40	4.70e-03	0.0	144.5	-3.11	0.71	3.35	3.90	-2.55	0.46
288	5	0.20	10.96	-6.22e-04	0.0	0.0	-4.49	0.23	14.12	-9.63	-9.44	-0.14
		-0.14	-9.44	-0.01	0.0	144.5	-4.49	0.23	14.12	-9.63	10.96	0.20
288	6	0.12	0.02	-5.30e-04	0.0	0.0	-0.57	0.25	0.04	-0.02	-0.05	-0.24
		-0.24	-0.05	-5.57e-05	0.0	144.5	-0.57	0.25	0.04	-0.02	0.02	0.12
289	2	0.02	9.87	-1.30e-03	0.0	0.0	-1.52	0.16	-13.24	8.72	9.87	-0.22
		-0.22	-9.99	0.01	0.0	150.0	-1.52	0.16	-13.24	8.72	-9.99	0.02
289	5	0.27	-2.36	-7.08e-04	0.0	0.0	-3.21	0.34	-2.79	-4.52	-2.36	-0.24
		-0.24	-6.55	-8.24e-03	0.0	150.0	-3.21	0.34	-2.79	-4.52	-6.55	0.27
289	6	-0.05	-6.41e-03	-4.13e-04	0.0	0.0	-0.20	-7.58e-04	-0.02	-0.01	-6.41e-03	-0.05
		-0.05	-0.04	-1.61e-05	0.0	150.0	-0.20	-7.58e-04	-0.02	-0.01	-0.04	-0.05
290	2	0.10	7.25	-1.20e-03	0.0	0.0	-0.98	0.14	3.43	4.04	2.11	-0.11
		-0.11	2.11	5.01e-03	0.0	150.0	-0.98	0.14	3.43	4.04	7.25	0.10
290	5	0.16	-0.37	-6.95e-04	0.0	0.0	-2.10	0.20	-0.88	-1.07	-0.37	-0.14
		-0.14	-1.69	-4.03e-03	0.0	150.0	-2.10	0.20	-0.88	-1.07	-1.69	0.16
290	6	3.27e-03	2.99e-04	-3.71e-04	0.0	0.0	-0.09	0.01	-3.80e-03	-1.56e-03	2.99e-04	-0.02
		-0.02	-5.40e-03	0.0	0.0	150.0	-0.09	0.01	-3.80e-03	-1.56e-03	-5.40e-03	3.27e-03
291	2	0.15	1.62	-5.40e-04	0.0	0.0	-0.46	0.54	1.95	1.32	0.29	-0.22
		-0.22	0.29	6.10e-04	0.0	68.7	-0.46	0.54	1.95	1.32	1.62	0.15
291	5	0.26	-0.09	-3.13e-04	0.0	0.0	-1.01	0.90	-0.20	-0.32	-0.09	-0.36
		-0.36	-0.23	-1.50e-03	0.0	68.7	-1.01	0.90	-0.20	-0.32	-0.23	0.26
291	6	8.91e-03	1.50e-04	-1.66e-04	0.0	0.0	-0.04	0.04	-4.05e-05	9.41e-05	1.50e-04	-0.02
		-0.02	1.22e-04	0.0	0.0	68.7	-0.04	0.04	-4.05e-05	9.41e-05	1.22e-04	8.91e-03
292	1	0.0	0.0	1.57e-03	0.0	0.0	-45.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.18e-04	0.0	174.6	-45.53	0.0	0.0	0.0	0.0	0.0
292	3	0.0	0.0	1.59e-03	0.0	0.0	-42.94	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	174.6	-42.94	0.0	0.0	0.0	0.0	0.0
292	4	0.0	0.0	5.82e-04	0.0	0.0	-18.51	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.50e-03	0.0	174.6	-18.51	0.0	0.0	0.0	0.0	0.0
292	6	0.0	0.0	4.95e-04	0.0	0.0	-14.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.53e-05	0.0	174.6	-14.48	0.0	0.0	0.0	0.0	0.0
293	1	0.0	0.0	-1.87e-03	0.0	0.0	-30.78	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.72e-04	0.0	180.3	-30.78	0.0	0.0	0.0	0.0	0.0
293	7	0.0	0.0	-4.13e-03	0.0	0.0	-89.51	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.37e-04	0.0	180.3	-89.51	0.0	0.0	0.0	0.0	0.0
293	8	0.0	0.0	-5.49e-03	0.0	0.0	-98.32	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.10e-03	0.0	180.3	-98.32	0.0	0.0	0.0	0.0	0.0
293	9	0.0	0.0	-4.91e-03	0.0	0.0	-111.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.02	0.0	180.3	-111.95	0.0	0.0	0.0	0.0	0.0
294	6	0.0	0.0	-4.84e-03	0.0	0.0	-102.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.17e-03	0.0	165.6	-102.02	0.0	0.0	0.0	0.0	0.0
294	7	0.0	0.0	-5.24e-03	0.0	0.0	-128.37	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-0.02	0.0	165.6	-128.37	0.0	0.0	0.0	0.0	0.0
294	8	0.0	0.0	-4.32e-03	0.0	0.0	-94.27	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.81e-04	0.0	165.6	-94.27	0.0	0.0	0.0	0.0	0.0
294	10	0.0	0.0	-2.97e-03	0.0	0.0	5.98	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.16e-05	0.0	165.6	5.98	0.0	0.0	0.0	0.0	0.0
295	1	0.0	0.0	-1.94e-03	0.0	0.0	-43.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.68e-03	0.0	175.7	-43.86	0.0	0.0	0.0	0.0	0.0
295	2	0.0	0.0	-1.60e-03	0.0	0.0	-35.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.03	0.0	175.7	-35.00	0.0	0.0	0.0	0.0	0.0
295	4	0.0	0.0	-6.87e-04	0.0	0.0	-16.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.85e-05	0.0	175.7	-16.36	0.0	0.0	0.0	0.0	0.0

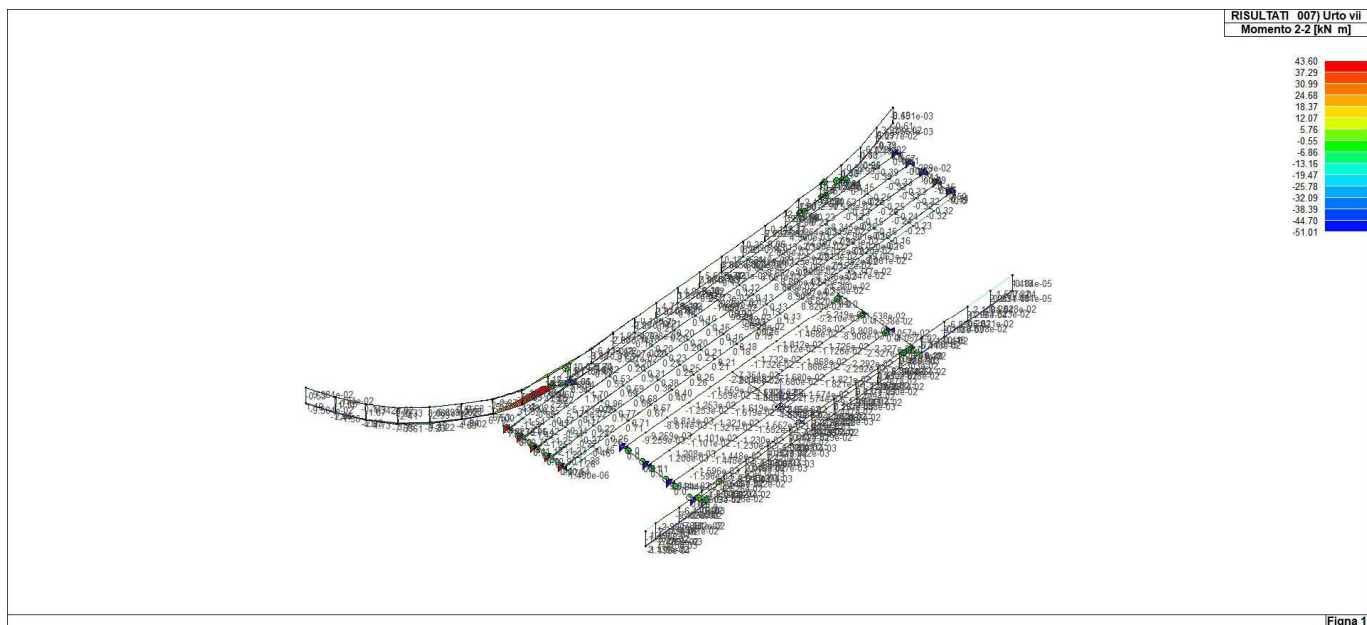
295	6	0.0	0.0	-5.67e-04	0.0	0.0	-13.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.34e-05	0.0	175.7	-13.48	0.0	0.0	0.0	0.0	0.0

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-185.86	-51.01	-0.02	0.0	-229.28	-169.02	-355.94	-219.21
	908.50	512.18	0.03	0.0	346.15	219.23	289.65	228.14

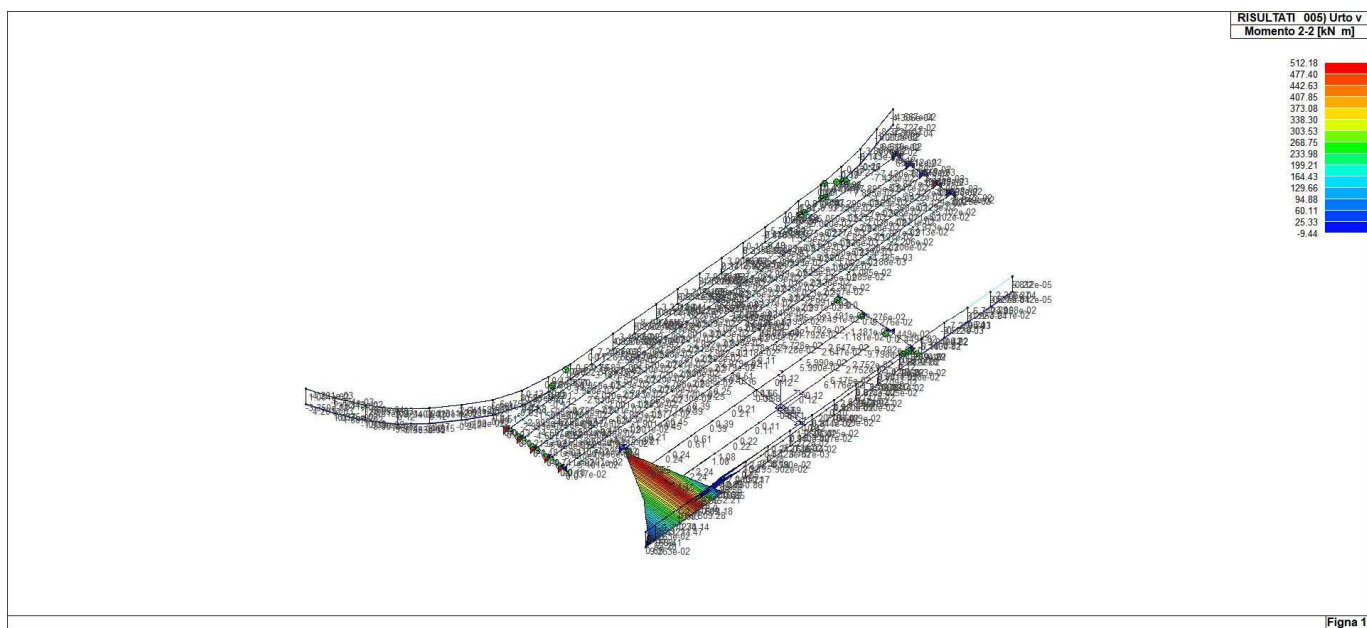
Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN/ m2	cm	kN	kN	kN	kN m	kN m	kN m
2	6	-81.06	-4.40	-1.72e-03	-36.60	0.0	-4.42	-41.60	-1.13	-25.06	-4.40	-81.06
		-136.00	-6.10	-3.67e-06		150.0	-4.42	-27.37	-1.13	-29.58	-6.10	-136.00
2	8	-81.66	-3.18	-1.55e-03	-32.43	0.0	-4.61	-38.02	-0.93	-17.80	-3.18	-81.66
		-131.50	-4.58	0.0		150.0	-4.61	-24.57	-0.93	-21.63	-4.58	-131.50
2	10	29.95	44.48	8.78e-04	28.88	0.0	50.80	-15.84	-44.58	98.32	44.48	29.95
		-2.98	-22.39	5.11e-04		150.0	50.80	-25.88	-44.58	94.07	-22.39	-2.98
3	6	-139.94	-6.13	3.20e-03	-66.84	0.0	-4.25	-27.88	-0.13	0.55	-6.13	-139.94
		-155.22	-6.33	-1.49e-05		150.0	-4.25	23.11	-0.13	-3.57	-6.33	-149.52
3	7	-108.33	31.37	3.82e-03	-82.19	0.0	26.41	-27.21	16.25	-54.64	7.00	-108.33
		-122.17	7.00	-4.02e-05		150.0	26.41	29.29	16.25	-60.81	31.37	-113.94
3	8	-133.71	-4.61	2.84e-03	-59.14	0.0	-4.44	-25.02	-0.17	7.55	-4.61	-133.71
		-147.24	-4.86	-8.71e-06		150.0	-4.44	21.23	-0.17	4.09	-4.86	-141.88
3	10	27.29	-23.32	1.90e-03	-30.70	0.0	21.87	-29.71	-15.64	74.68	-23.32	27.29
		-12.77	-46.77	4.82e-04		150.0	21.87	-18.97	-15.64	71.02	-46.77	-12.77
4	6	-41.87	-4.48	-4.43e-03	-108.31	0.0	-2.45	22.74	1.29	24.50	-6.42	-148.93
		-148.93	-6.42	-2.63e-05		150.0	-2.45	131.10	1.29	21.04	-4.48	-141.87
4	7	-0.13	41.80	-5.47e-03	-134.30	0.0	40.12	30.69	5.18	-24.24	34.02	-130.63
		-130.63	34.02	1.69e-05		150.0	40.12	157.00	5.18	-29.83	41.80	-0.13
4	8	-42.93	-3.68	3.90e-03	-95.50	0.0	-2.91	20.96	0.85	30.83	-4.95	-139.75
		-139.75	-4.95	-1.76e-05		150.0	-2.91	117.90	0.85	27.99	-3.68	-42.93
4	10	5.30	-33.96	2.67e-03	-55.13	0.0	11.39	-22.84	8.33	54.37	-46.46	5.30
		-6.36	-46.46	4.04e-04		150.0	11.39	22.15	8.33	51.33	-33.96	-0.24
5	1	-18.31	0.27	1.38e-03	-25.53	0.0	-0.13	-5.47	-7.85e-03	-2.53	0.27	-27.50
		-28.71	0.26	6.44e-06		150.0	-0.13	21.17	-7.85e-03	-2.32	0.26	-18.31
5	6	-40.21	1.34	3.43e-03	-68.83	0.0	-0.50	-11.93	-0.11	-2.00	1.34	-63.47
		-65.97	1.18	3.59e-05		150.0	-0.50	51.50	-0.11	0.32	1.18	-40.21
5	8	-43.53	1.62	-4.09e-03	-85.02	0.0	0.17	-12.80	-0.26	-0.26	1.62	-72.82
		-75.30	1.23	4.85e-05		150.0	0.17	62.09	-0.26	3.35	1.23	-43.53
5	10	1.94	142.55	2.17e-03	-88.51	0.0	46.62	14.22	91.56	-138.57	5.20	-28.36
		-28.36	5.20	-1.25e-03		150.0	46.62	31.62	91.56	-121.82	142.55	1.94
6	1	-0.06	0.10	1.25e-03	15.73	0.0	-0.04	-0.05	0.06	-2.43e-03	4.31e-04	-0.06
		-11.61	4.31e-04	5.79e-06		150.0	-0.04	-12.23	0.06	0.34	0.10	-11.61
6	8	-0.57	0.67	-3.31e-03	53.16	0.0	0.25	-0.53	0.44	-0.01	2.54e-03	-0.57
		-31.00	2.54e-03	4.45e-05		150.0	0.25	-31.77	0.44	3.95	0.67	-31.00
6	9	-2.21	4.61	2.14e-03	65.50	0.0	2.82	-2.03	3.06	0.02	0.02	-2.21
		-21.39	0.02	1.82e-04		150.0	2.82	-18.20	3.06	11.04	4.61	-21.39
6	10	-9.54	-3.69	3.80e-04	-77.57	0.0	11.69	-4.89	-19.64	-18.30	-3.69	-9.54
		-11.25	-33.15	-1.25e-03		150.0	11.69	4.04	-19.64	-0.90	-33.15	-9.54
11	1	-52.83	2.67	-1.44e-03	13.59	0.0	0.22	-40.87	0.95	1.69	1.24	-52.83
		-119.17	1.24	2.53e-05		150.0	0.22	-43.98	0.95	2.81	2.67	-119.17
11	2	-38.28	4.79	-1.30e-03	-21.01	0.0	1.21	-27.64	11.10	-17.56	-11.85	-38.28
		-79.27	-11.85	-2.99e-05		150.0	1.21	-23.79	11.10	-14.57	4.79	-79.27
11	5	-2.46	509.28	-7.08e-04	-30.87	0.0	2.89	-2.17	183.43	-288.68	234.14	-6.60
		-7.08	234.14	-2.27e-03		150.0	2.89	9.46	183.43	-283.22	509.28	-2.46
11	6	-16.61	0.20	-4.13e-04	3.43	0.0	0.14	-13.10	0.09	0.05	0.08	-16.61
		-38.46	0.08	1.19e-06		150.0	0.14	-15.01	0.09	0.09	0.20	-38.46
12	1	-6.50	1.23	1.31e-03	26.66	0.0	0.11	-17.33	0.73	0.50	0.14	-6.50
		-52.63	0.14	2.28e-05		150.0	0.11	-40.90	0.73	1.61	1.23	-52.63
12	2	-5.44	-2.31	-1.20e-03	27.86	0.0	0.82	-12.86	-4.62	0.77	-2.31	-5.44
		-38.06	-9.24	-1.73e-05		150.0	0.82	-27.62	-4.62	3.78	-9.24	-38.06
12	5	-1.51	233.47	-6.94e-04	29.86	0.0	1.51	-3.14	120.04	-196.63	53.41	-1.51
		-6.68	53.41	-2.75e-03		150.0	1.51	-2.02	120.04	-190.23	233.47	-6.68
12	6	-1.98	0.07	-3.71e-04	7.14	0.0	0.06	-5.39	0.04	0.01	7.27e-03	-1.98
		-16.55	7.27e-03	1.03e-06		150.0	0.06	-13.12	0.04	0.05	0.07	-16.55
13	1	-0.12	0.14	5.88e-04	32.54	0.0	0.11	-0.12	0.20	-5.64e-03	-4.20e-04	-0.12
		-6.37	-4.20e-04	1.02e-05		68.7	0.11	-17.39	0.20	0.50	0.14	-6.37
13	2	-0.26	-0.29	-5.41e-04	33.26	0.0	0.43	-0.49	-2.24	0.63	-0.29	-0.26
		-5.17	-1.83	-5.62e-06		68.7	0.43	-13.20	-2.24	2.01	-1.83	-5.17
13	5	0.14	53.28	-3.16e-04	33.72	0.0	0.46	-0.91	77.45	-99.87	0.09	0.14
		-1.62	0.09	-1.31e-03		68.7	0.46	-3.86	77.45	-96.72	53.28	-1.62
13	6	-0.03	7.44e-03	-1.66e-04	8.80	0.0	0.03	-0.02	0.01	-1.36e-04	-1.50e-04	-0.03
		-1.95	-1.50e-04	0.0		68.7	0.03	-5.39	0.01	0.02	7.44e-03	-1.95
27	1	-122.57	4.11	-8.52e-04	-8.15	0.0	-6.24	47.23	-1.05	-3.12	4.11	-195.37
		-195.37	2.52	-1.36e-05		150.0	-6.24	47.71	-1.05	-2.32	2.52	-122.57
27	4	-35.45	413.36	5.38e-04	-29.48	0.0	5.55	-5.61	-128.07	349.52	413.36	-36.70
		-38.31	221.25	1.80e-03		150.0	5.55	5.93	-128.07	354.92	221.25	-35.45
27	5	-48.71	-0.21	-3.23e-04	2.23	0.0	-2.10	19.70	0.05	-0.47	-0.29	-78.57

		-78.57	-0.29	1.64e-06		150.0	-2.10	19.31	0.05	-0.35	-0.21	-48.71
28	1	-57.65	2.52	5.51e-04	12.29	0.0	-5.11	47.70	-0.89	-2.32	2.52	-122.86
		-122.86	1.19	-8.75e-06		150.0	-5.11	37.87	-0.89	-1.53	1.19	-57.65
28	4	-22.04	218.35	4.54e-04	-29.48	0.0	3.91	5.84	-75.11	276.61	218.35	-34.75
		-34.75	105.69	2.25e-03		150.0	3.91	9.97	-75.11	283.26	105.69	-22.04
28	5	-22.69	-0.11	-2.03e-04	4.26	0.0	-1.76	19.30	0.07	-0.35	-0.22	-48.83
		-48.83	-0.22	1.24e-06		150.0	-1.76	15.05	0.07	-0.23	-0.11	-22.69
28	6	-18.52	0.15	1.60e-04	3.23	0.0	-1.41	16.00	-0.06	-0.04	0.15	-40.09
		-40.09	0.07	0.0		150.0	-1.41	12.36	-0.06	-0.03	0.07	-18.52
177	1	-13.49	1.20	4.06e-04	16.33	0.0	-3.42	37.75	-0.59	-1.54	1.20	-58.25
		-58.25	0.31	-6.33e-06		150.0	-3.42	20.92	-0.59	-0.75	0.31	-13.49
177	4	-7.45	105.03	4.02e-04	35.28	0.0	2.40	9.89	-36.94	184.59	105.03	-21.35
		-21.35	49.63	2.47e-03		150.0	2.40	7.65	-36.94	192.16	49.63	-7.45
177	5	-5.25	-0.03	1.46e-04	5.71	0.0	-1.20	15.01	0.05	-0.23	-0.11	-22.93
		-22.93	-0.11	1.01e-06		150.0	-1.20	8.20	0.05	-0.11	-0.03	-5.25
177	6	-4.25	0.07	1.13e-04	4.36	0.0	-0.97	12.33	-0.03	-0.03	0.07	-18.72
		-18.72	0.02	0.0		150.0	-0.97	6.69	-0.03	-0.01	0.02	-4.25
185	1	0.66	0.31	3.49e-04	19.81	0.0	-1.47	20.66	-0.22	-0.75	0.31	-14.21
		-14.21	-3.44e-04	-5.30e-06		142.9	-1.47	-0.68	-0.22	-4.32e-05	-3.44e-04	0.66
185	3	0.62	0.83	-4.22e-04	24.42	0.0	-1.38	20.77	-0.58	-1.74	0.83	-14.48
		-14.48	-1.07e-05	-1.61e-05		142.9	-1.38	-0.64	-0.58	0.01	-1.07e-05	0.62
185	4	-0.64	49.50	3.65e-04	40.37	0.0	1.01	7.66	-34.59	92.11	49.50	-6.79
		-6.79	0.06	2.44e-03		142.9	1.01	0.08	-34.59	99.86	0.06	-0.64
185	5	0.27	-5.81e-05	-1.24e-04	6.95	0.0	-0.54	8.10	0.02	-0.11	-0.03	-5.54
		-5.54	-0.03	0.0		142.9	-0.54	-0.27	0.02	4.62e-06	-5.81e-05	0.27
188	1	-11.70	0.26	1.28e-03	-12.29	0.0	-0.15	-12.26	0.10	0.34	0.10	-11.70
		-27.45	0.10	5.99e-06		150.0	-0.15	-5.54	0.10	0.69	0.26	-27.45
188	6	-27.27	1.30	2.93e-03	-35.83	0.0	-0.40	-27.83	0.52	2.65	0.53	-27.27
		-62.66	0.53	3.36e-05		150.0	-0.40	-12.04	0.52	5.28	1.30	-62.66
188	8	-31.71	1.59	3.39e-03	-45.54	0.0	0.03	-31.69	0.61	4.01	0.68	-31.71
		-71.47	0.68	4.58e-05		150.0	0.03	-12.86	0.61	7.98	1.59	-71.47
188	9	-23.86	12.61	2.19e-03	-66.27	0.0	5.26	-17.75	5.33	11.65	4.62	-23.86
		-42.43	4.62	1.92e-04		150.0	5.26	-1.52	5.33	22.72	12.61	-42.43
188	10	-25.67	2.80	3.32e-04	-73.61	0.0	36.44	0.80	25.22	-77.94	-35.04	-30.15
		-30.15	-35.04	-1.29e-03		150.0	36.44	4.34	25.22	-60.70	2.80	-25.67
189	7	19.17	-4.89	1.36e-03	38.54	0.0	13.13	-27.78	2.22	-55.77	-8.22	19.17
		-33.00	-8.22	-5.05e-05		150.0	13.13	-38.39	2.22	-62.05	-4.89	-33.00
189	8	-26.15	-2.15	-1.08e-03	24.43	0.0	-3.92	-31.73	-0.68	-18.83	-2.15	-26.15
		-80.30	-3.18	5.88e-06		150.0	-3.92	-37.79	-0.68	-22.65	-3.18	-80.30
189	10	30.15	130.14	-6.12e-04	36.59	0.0	73.57	4.91	-54.77	93.22	130.14	29.44
		19.77	47.98	4.18e-04		150.0	73.57	-16.27	-54.77	88.56	47.98	19.77
192	1	3.13	0.01	4.86e-04	-9.13	0.0	-0.18	0.06	3.98e-03	7.80e-03	4.20e-03	0.07
		0.07	4.20e-03	2.52e-06		150.0	-0.18	2.79	3.98e-03	-1.21	0.01	3.13
192	7	18.29	-0.10	-2.38e-03	-51.90	0.0	3.08	-2.31	-0.89	-0.24	-0.10	-2.69
		-2.78	-1.44	-1.00e-05		150.0	3.08	24.33	-0.89	-5.80	-1.44	18.29
192	10	4.68	14.85	2.46e-03	-54.93	0.0	10.38	-9.99	9.99	-0.86	-0.13	-12.66
		-14.07	-0.13	-2.18e-04		150.0	10.38	26.96	9.99	-5.36	14.85	4.68
193	7	52.08	-1.56	1.74e-03	34.67	0.0	5.57	24.85	-2.03	-8.43	-1.56	14.68
		14.68	-4.61	-1.34e-05		150.0	5.57	20.69	-2.03	-14.20	-4.61	52.08
193	8	23.10	-0.08	1.02e-03	24.61	0.0	-0.65	11.00	-0.30	-4.58	-0.08	10.20
		10.20	-0.53	1.37e-05		150.0	-0.65	3.64	-0.30	-8.21	-0.53	23.10
193	10	39.50	65.28	1.90e-03	-31.12	0.0	19.01	29.03	33.28	-6.06	15.36	-10.86
		-10.86	15.36	-1.78e-04		150.0	19.01	33.38	33.28	-10.77	65.28	39.50
194	1	4.95	-9.60e-03	-1.15e-04	10.43	0.0	-0.84	-0.63	-0.06	-3.47	-9.60e-03	4.95
		-0.96	-0.09	2.49e-06		150.0	-0.84	-7.53	-0.06	-4.78	-0.09	-0.96
194	7	61.86	-4.73	7.61e-04	43.35	0.0	7.34	20.48	-1.90	-23.79	-4.73	46.69
		46.69	-7.58	-2.23e-05		150.0	7.34	-2.33	-1.90	-29.79	-7.58	61.73
194	8	22.28	-0.52	-3.91e-04	29.11	0.0	-1.52	3.74	-0.53	-11.68	-0.52	21.61
		14.47	-1.32	1.26e-05		150.0	-1.52	-14.24	-0.53	-15.44	-1.32	14.47
194	10	52.90	135.12	-1.07e-03	37.02	0.0	38.57	30.93	44.50	-2.42	68.38	17.86
		17.86	68.38	-5.31e-05		150.0	38.57	13.13	44.50	-7.35	135.12	52.90
195	7	52.15	-7.61	5.27e-04	43.43	0.0	9.46	-2.86	-0.41	-43.80	-7.61	52.15
		28.41	-8.23	-3.60e-05		150.0	9.46	-27.48	-0.41	-49.96	-8.23	28.41
195	8	11.38	-1.30	-4.67e-04	29.09	0.0	-2.74	-14.17	-0.58	-17.97	-1.30	11.38
		-23.86	-2.17	1.01e-05		150.0	-2.74	-31.65	-0.58	-21.79	-2.17	-23.86
195	10	41.95	137.65	-1.19e-05	37.37	0.0	68.31	24.82	-3.34	41.44	137.65	24.04
		24.04	132.64	1.92e-04		150.0	68.31	-0.95	-3.34	36.49	132.64	41.93

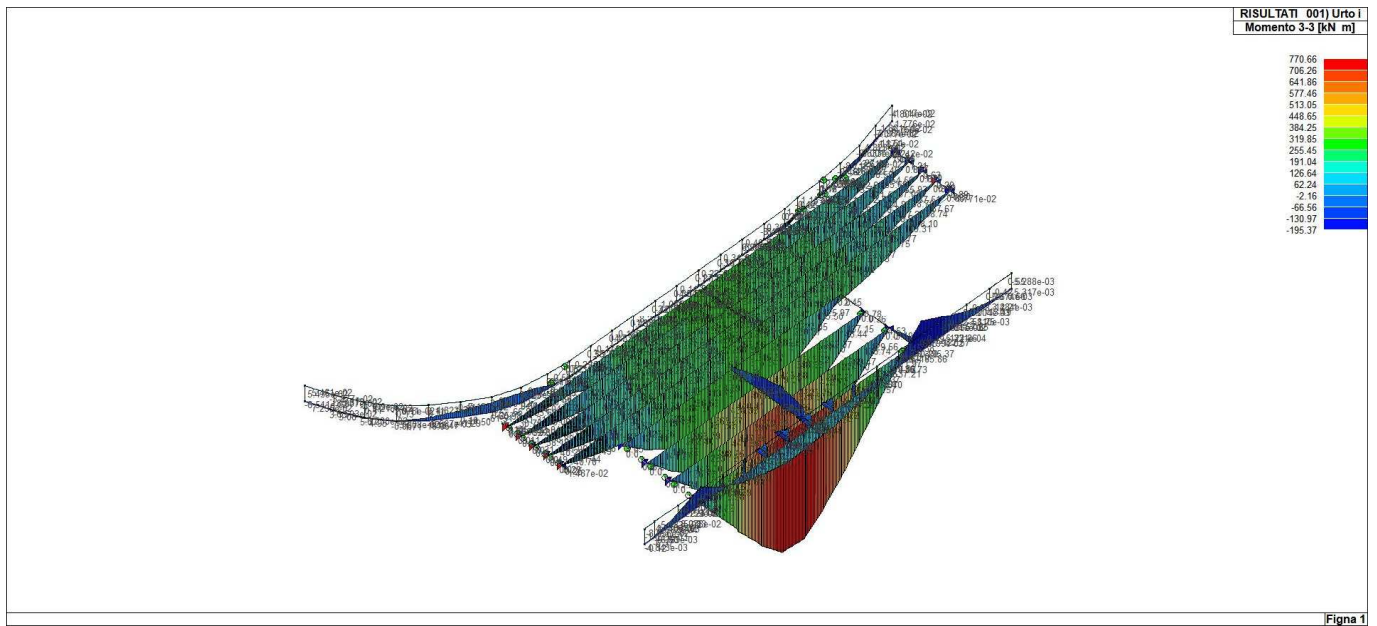
Trave f.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	N	V 2	V 3	T
	-195.37	-46.77	-5.47e-03	-134.30	-6.24	-43.98	-128.07	-288.68
	61.86	509.28	3.90e-03	65.50	73.57	157.00	183.43	354.92



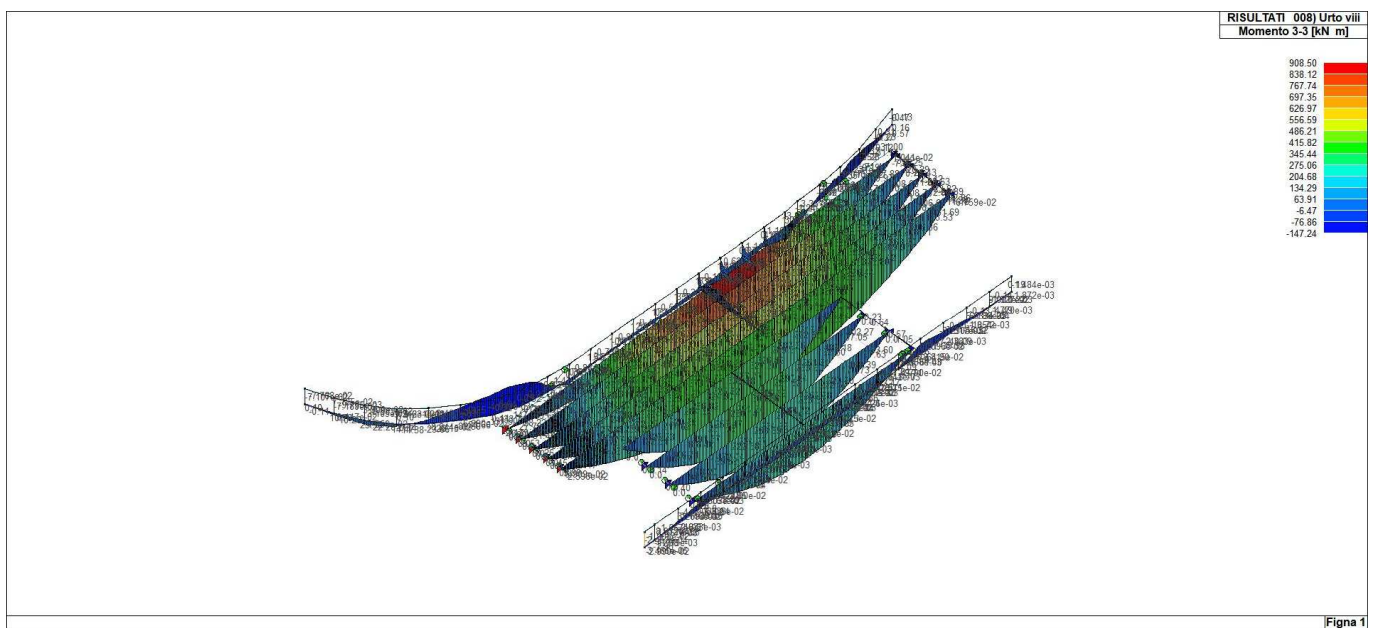
43\_RIS\_M2\_007\_Urto vii



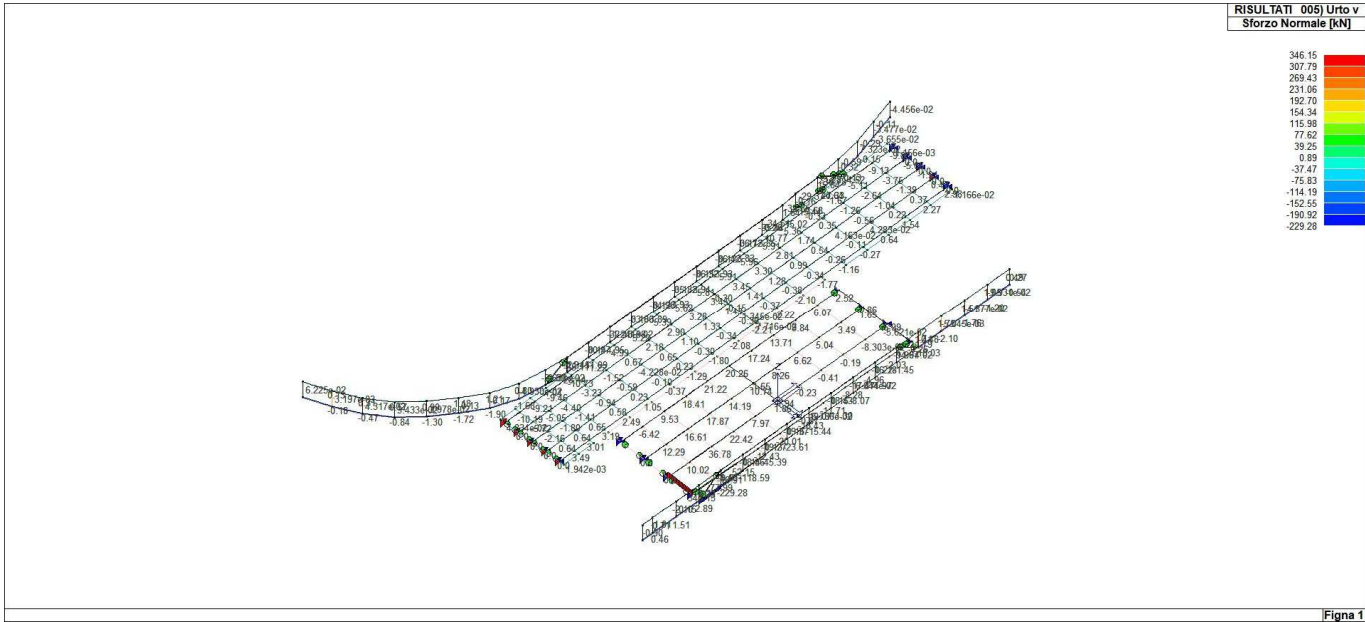
43\_RIS\_M2\_005\_Urto v



43\_RIS\_M3\_001\_Urto i



43\_RIS\_M3\_008\_Urto viii



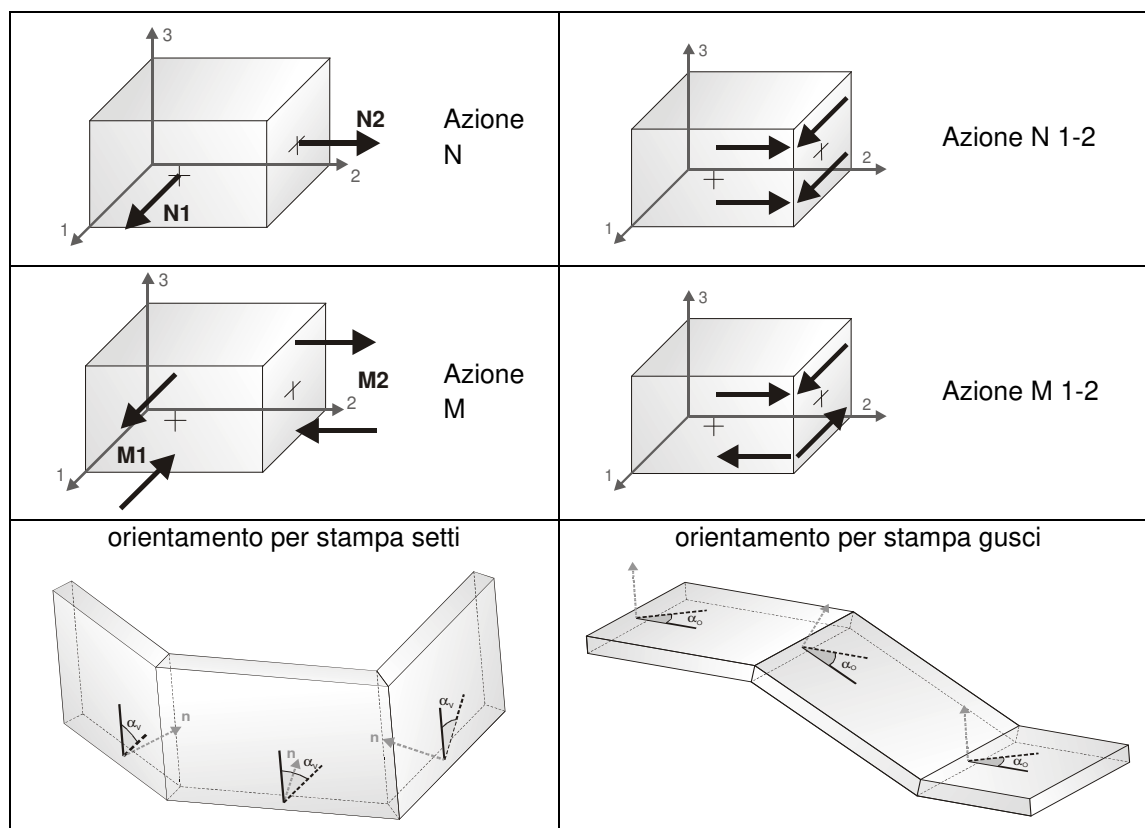
43\_RIS\_N\_005\_Urto v

# RISULTATI ELEMENTI TIPO SHELL

## LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

<b>tensione di Von Mises</b>		(valore riassuntivo del complessivo stato di sollecitazione)
<b>N max</b>		sforzo membranale principale massimo
<b>N min</b>		sforzo membranale principale minimo
<b>M max</b>		sforzo flessionale principale massimo
<b>M min</b>		sforzo flessionale principale minimo
<b>N1</b>	<b>N2</b>	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento
<b>N1-2</b>	<b>M1</b>	(lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
<b>M2</b>	<b>M1-2</b>	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M\_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi. I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di  $\alpha_o$  attorno all'asse Z per i gusci e ruotata di  $\alpha_v$  attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se  $\alpha_v$  è zero, l'asse '1-1' rappresenta la verticale e l'asse '2-2' l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

<b>N memb.</b>	Azione membranale complessiva agente sulla parete in direzione Z
<b>V memb.</b>	Azione complessiva di taglio agente nel piano del macroelemento
<b>V orto</b>	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
<b>M memb.</b>	Azione flessionale complessiva agente nel piano del macroelemento
<b>M orto</b>	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
<b>T</b>	Azione torsionale complessiva agente nel piano orizzontale