Comune di Medolla
Comune di Medolla
E
COPIA CONFORME ALL'ORIGINALE DIGITALE
Protocollo N.0009342/2023 del 08/09/2023
Firmatario: YASSIN ELOUARDI

COMUNE DI MEDOLLA

FUTURA LA SCUOLA PER L'ITALIA DI DOMANI

MINISTRO DELL'ISTRUZIONE

UNITÀ DI MISSIONE PER IL PIANO NAZIONALE DI RIPRESA E RESILIENZA

PIANO NAZIONALE DI RIPRESA E RESILIENZA
MISSIONE 4: ISTRUZIONE E RICERCA

Componente 1 - Potenziamento dell'offerta dei servizi di istruzione; dagli asili nido alle Università
Investimento 1.2: Piano di estensione del tempo pieno e mense

PROGETTO DEFINITIVO-ESECUTIVO
LAVORI DI COSTRUZIONE NUOVA MENSA SCOLASTICA POLIVALENTE
CUP J75E22000400006

PROGETTISTI

ARCHITETONICO
Geom. Lorenzo Guagliumi
Area Lavori Pubblici Comune di Medolla

STRUTTURE
Ing. Yassin Elouardi

IMPIANTI MECCANICI E ANTINCENDIO
Perito Industriale Gavioli Alessio
Studio A+ Srl Stp

IMPIANTI ELETTRICI
Perito Industriale Raffaele Garutti
Studio Tecnico Garutti srl Stp

COORDINATORE ALLA SICUREZZA
Arch. Caterina Bondi

GEOLOGICA
Pier Luigi Dallari Geogroup Srl

ACUSTICA
Ing. Roberto Odorici

PROGETTO STRUTTURALE

TITOLO ELABORATO
RELAZIONE DI CALCOLO
ALLEGATO A2 - TABULATI CALCOLO COPERTURA MENSA

ST 4.1.3

scala	redazione	revisione	note
1:50	08 Agosto 2023		

ALLEGATO A2 – TABULATI NUMERICI

MODELLO DI CALCOLO COPERTURA CORPO MENSA

PRO_SAP

PROfessional Structural Analysis Program

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

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2022-10-198)
Produttore- Distributore:	2S.I. Software e Servizi per l’Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi4674

Descrizione	
Progetto	
Ubicazione	Comune di MEDOLLA (MO) (Regione EMILIA-ROMAGNA)
	Località MEDOLLA (MO)
	Longitudine 11.071, Latitudine 44.849
Progettista	

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

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto

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 sconessioni
- 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:

7 settembre 2023

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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 MEDOLLA (MO) (Regione EMILIA-ROMAGNA)
	Località MEDOLLA (MO)
	Longitudine 11.071, Latitudine 44.849
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	
Pilastri	
Pilastri 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]
IV	100.0	2.0	200.0

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:

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

u = vettore spostamenti nodali

F = vettore forze nodali

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

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

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

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

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

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

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

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

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

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

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

Modello numerico

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

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2022-10-198)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	******* COMPLETARE *******
Codice Utente:	******* COMPLETARE *******
Codice Licenza:	Licenza dsi4674

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	199
elementi D2 (per aste, travi, pilastri…)	303
elementi D3 (per pareti, platee, gusci…)	0
elementi solaio	158
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-150.11
Xmax =	1579.99
Ymin =	-150.08
Ymax =	2080.07
Zmin =	0.00
Zmax =	350.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
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
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

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

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

per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi

- massa eccitata totale

deformate e sollecitazioni:

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

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 inviluppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

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

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

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.

NORMATIVA DI RIFERIMENTO

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

di calcolo semplificato per strutture di muratura non armata.

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

NOTA: il presente capitolo riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".

Laddove nei capitoli successivi vengano richiamate normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edifico esistente.

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza

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

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

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
3	Calcestruzzo Classe C28/35			3.259e+05	0.20	1.358e+05	2.50e-03	1.00e-05	
	Resistenza Rc	350.0							
	Resistenza fctm		28.4						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
32	Fauci - ISOPOR P800 30x25x25 (malta M10)-muratura E = 6.080e+04			6.080e+04	0.0	2.432e+04	8.26e-04	1.00e-05	
	Resistenza f	60.8							
	Resistenza fh	30.4							

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Resistenza fv0	3.0							
	Resistenza fv0h	3.0							
	Resistenza tau0	1.5							
	Resistenza fvlim	8.3							
	Resistenza fb	128.0							
	Resistenza fbh	30.0							
	Resistenza fbt	10.0							
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Coefficiente mu tilda								0.50
	Coefficiente fi								0.50
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
129	Legno lamellare omogeneo GL24h-legno E = 1.150e+05			1.150e+05	0.0	6500.0	4.20e-04	1.00e-05	
	Modulo E0,05			9.599e+04					
	Lamellare : SI								
	Resistenza fc0	240.0							
	Resistenza ft0	192.0							
	Resistenza fm	240.0							
	Resistenza fv	35.0							
	Incremento dinamico								1.00
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO	NO	NO	NO	NO	NO
	NO	NO				
Af inf: da q*L*L /	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Armatura						
Minima tesa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.20	0.31				
Minima compressa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.20	0.31				
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	4.00	0.78				
Da sezione	SI	SI	SI	SI	SI	SI
	SI	SI				
Usa armatura teorica	NO	NO	NO	NO	NO	NO
	NO	NO				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15				
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI				
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03				
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03				

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	8.00				
Passo minimo [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	20.00	4.00				
Passo massimo [cm]	30.00	30.00	30.00	30.00	30.00	30.00
	20.00	30.00				
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	20.00	15.00				
Lunghezza zona raffittita [cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00				
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50				
Percentuale sagomati	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Adotta scorrimento medio	NO	NO	NO	NO	NO	NO
	NO	NO				
Torsione non essenziale inclusa	SI	NO	SI	SI	SI	SI
	SI	NO				

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati
	Privilegia lati	Privilegia lati				
Progetta a filo	NO	NO	NO	SI	NO	NO
	NO	NO				
Effetti del 2 ordine	SI	SI	SI	SI	SI	SI
	SI	SI				
Beta per 2-2	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Beta per 3-3	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Armatura						
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00				
Minima tesa	1.00	1.00	0.30	2.000e-02	1.00	1.00
	1.00	1.00				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15				
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03				

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00				
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Passo minimo [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00				
Passo massimo [cm]	25.00	25.00	25.00	25.00	25.00	25.00
	25.00	25.00				
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00				
Lunghezza zona raffittita [cm]	45.00	45.00	45.00	45.00	45.00	45.00
	45.00	45.00				
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50				
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Massimizza gerarchia	SI	SI	SI	SI	SI	SI
	SI	SI				

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO	NO	NO	NO	NO
	NO	NO				
Af inf: da traliccio	SI	SI	SI	SI	SI	SI
	SI	SI				
Consenti armatura a taglio	NO	NO	NO	NO	NO	NO
	NO	NO				
Incrementa armatura longitudinale per taglio	SI	SI	SI	SI	SI	SI
	SI	SI				
Af inf: da q*L*L /	20.00	20.00	20.00	20.00	20.00	20.00
	20.00	20.00				
Incremento fascia piena [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00				
Armatura						
Minima tesa	0.15	0.15	0.15	0.15	0.15	0.15
	0.15	0.15				
Massima tesa	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00				
Minima compressa	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Af/h [cm]	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02
	7.000e-02	7.000e-02				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15				
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Tensioni ammissibili						

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Tensione amm. cls [daN/cm2]	85.00	85.00	85.00	85.00	85.00	85.00
	85.00	85.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Verifica freccia						
Infinita	250.00	250.00	250.00	250.00	250.00	250.00
	250.00	250.00				
Istantanea	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00				
Fattore viscosità	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00				
Usa J non fessurato	NO	NO	NO	NO	NO	NO
	NO	NO				
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO	NO	NO	NO	NO
	NO	NO				
Tamponatura con armatura	NO	NO	NO	NO	NO	NO
	NO	NO				
Fattore di struttura/comportamento	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				
Coefficiente gamma m	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Periodo Ta	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Altezza pannello	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80				
travi						
3-3 Beta * L automatico	SI	SI	SI	SI	SI	SI
	SI	SI				
3-3 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
3-3 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
2-2 Beta * L automatico	SI	SI	SI	SI	SI	SI
	SI	SI				
2-2 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
1-1 Beta * L automatico	SI	SI	SI	SI	SI	SI
	SI	SI				
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
pilastri						
Metodo di calcolo 3-3	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato				
3-3 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				
3-3 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Metodo di calcolo 2-2	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato				
2-2 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Generalità						
Gamma non sismico	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Gamma sismico	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Classificazione						
Classe di servizio	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)
	2 (media umidità)	2 (media umidità)				
Per classe di servizio 1						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60				
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70				
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80				
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90				
Kmod istantanea	1.10	1.10	1.10	1.10	1.10	1.10
	1.10	1.10				
Kdef	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60				
Per classe di servizio 2						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60				
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70				
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80				
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90				
Kmod istantanea	1.10	1.10	1.10	1.10	1.10	1.10
	1.10	1.10				
Kdef	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80				
Per classe di servizio 3						
Kmod permanente	0.50	0.50	0.50	0.50	0.50	0.50
	0.50	0.50				
Kmod lunga	0.55	0.55	0.55	0.55	0.55	0.55
	0.55	0.55				
Kmod media	0.65	0.65	0.65	0.65	0.65	0.65
	0.65	0.65				
Kmod breve	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70				
Kmod istantanea	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90				
Kdef	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
L direzione 1 [*] [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
L direzione 2 [cm]	0.0	0.0	0.0	0.0	0.0	0.0

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
	0.0	0.0				
Verifica V da D.38	NO	NO	NO	NO	NO	NO
	NO	NO				
Verifica M da M.5-45	NO	NO	NO	NO	NO	NO
	NO	NO				
Media valori elementi	SI	SI	SI	SI	SI	SI
	SI	SI				
Connessioni pareti						
rvpk [daN/cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00				
rvtk [daN/cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00				
rvlk [daN/cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00				
RHk [daN]	5000.00	5000.00	5000.00	5000.00	5000.00	5000.00
	5000.00	5000.00				
dH [cm]	25.00	25.00	25.00	25.00	25.00	25.00
	25.00	25.00				
fcH90k [daN/cm2]	20.00	20.00	20.00	20.00	20.00	20.00
	20.00	20.00				
Pannelli solaio						
f ist<L/	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00				
f inf<L/	350.00	350.00	350.00	350.00	350.00	350.00
	350.00	350.00				
Verifica vibrazioni (EC5 7.3)	NO	NO	NO	NO	NO	NO
	NO	NO				
E massetto collaborante [daN/cm2]	200000.00	200000.00	200000.00	200000.00	200000.00	200000.00
	200000.00	200000.00				
t massetto collaborante [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00				
Smorzamento percentuale	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Resistenza al fuoco						
Spessore carbonizzazione [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO				
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO				

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

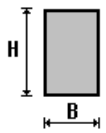
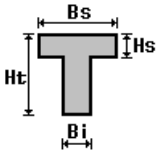
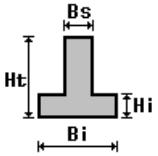
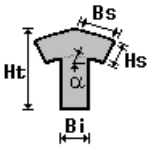
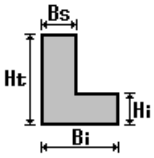
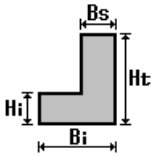
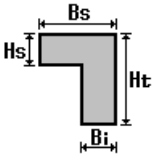
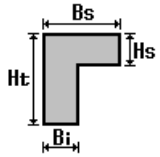
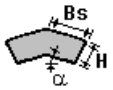
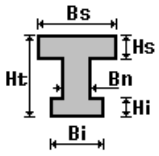
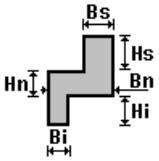
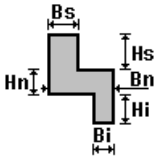
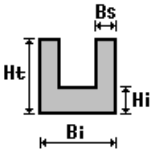
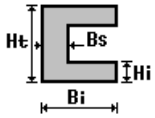
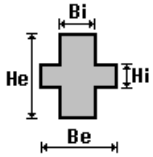
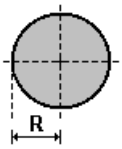
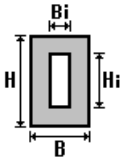
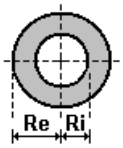
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

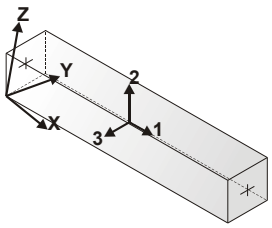
Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=30 h=50	1500.00	1250.00	1250.00	2.799e+05	1.125e+05	3.125e+05	7500.00	1.250e+04	1.125e+04	1.875e+04
2	Rettangolare: b=30 h=60	1800.00	1500.00	1500.00	3.699e+05	1.350e+05	5.400e+05	9000.00	1.800e+04	1.350e+04	2.700e+04
3	Rettangolare: b=30 h=60	1800.00	1500.00	1500.00	3.699e+05	1.350e+05	5.400e+05	9000.00	1.800e+04	1.350e+04	2.700e+04
4	Trave fondazione principale-T rovescia: bi=140 ht=100 bs=30 hi=40	7400.00	0.0	0.0	3.179e+06	9.282e+06	4.692e+06	1.326e+05	6.917e+04	2.095e+05	1.402e+05
5	Cordolo fondazione-Rettangolare: b=40 h=40	1600.00	1333.33	1333.33	3.599e+05	2.133e+05	2.133e+05	1.067e+04	1.067e+04	1.600e+04	1.600e+04
6	Trave fondazione secondaria-T rovescia: bi=120 ht=100 bs=30 hi=40	6600.00	0.0	0.0	2.752e+06	5.895e+06	4.453e+06	9.825e+04	6.710e+04	1.575e+05	1.313e+05
7	Rettangolare: b=30 h=60	1800.00	1500.00	1500.00	3.699e+05	1.350e+05	5.400e+05	9000.00	1.800e+04	1.350e+04	2.700e+04
8	Travi copertura-Rettangolare: b=24 h=64	1536.00	1280.00	1280.00	2.252e+05	7.373e+04	5.243e+05	6144.00	1.638e+04	9216.00	2.458e+04
9	Travi copertura 2-Rettangolare: b=20 h=40	800.00	666.67	666.67	7.307e+04	2.667e+04	1.067e+05	2666.67	5333.33	4000.00	8000.00

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
							gradi			daN/cm3	daN/cm3
1	Pilas.	1	2	3	1	1					
2	Trave	28	90	3	2	1					
3	Pilas.	5	6	3	3	1	90.00				
4	Pilas.	7	8	3	3	1	90.00				
5	Pilas.	9	10	3	1	1					
6	Pilas.	11	12	3	7	6					
7	Pilas.	13	14	3	7	6					
8	Pilas.	15	16	3	1	1					
9	Pilas.	17	18	3	3	1	90.00				
10	Pilas.	19	20	3	3	1	90.00				
11	Pilas.	21	22	3	3	1	90.00				
12	Pilas.	23	24	3	1	1					
13	Pilas.	25	26	3	7	6					
14	Pilas.	27	28	3	7	6					
15	Trave	2	199	3	2	8					
16	Trave	2	93	3	2	8					
17	Trave	4	197	3	2	1					
18	Trave	6	194	3	2	1					
19	Trave	8	192	3	2	8					
20	Trave	10	183	3	2	8					
21	Trave	12	180	3	2	1					
22	Trave	14	69	3	2	8					
23	Trave	18	184	3	2	8					
24	Trave	20	186	3	2	1					
25	Trave	22	189	3	2	1					
26	Trave	24	191	3	2	8					
27	Trave	26	87	3	2	8					
28	Pilas.	3	4	3	3	1	90.00				
29	Trave f.	23	21	1	4	2				1.00	1.00
30	Trave f.	9	11	1	6	2				1.00	1.00
31	Trave f.	1	3	1	4	2				1.00	1.00
32	Trave f.	1	27	1	6	2				1.00	1.00
33	Trave f.	7	17	1	5	7				0.30	0.30
34	Trave f.	5	19	1	5	7				0.30	0.30
35	Trave f.	3	21	1	5	7				0.30	0.30
36	Trave f.	7	9	1	4	2				1.00	1.00
37	Trave f.	13	15	1	6	2				1.00	1.00
38	Trave f.	3	5	1	4	2				1.00	1.00
39	Trave f.	25	23	1	6	2				1.00	1.00
40	Trave f.	21	19	1	4	2				1.00	1.00
41	Trave f.	11	13	1	6	2				1.00	1.00
42	Trave f.	27	25	1	6	2				1.00	1.00
43	Trave f.	5	7	1	4	2				1.00	1.00
44	Trave f.	19	17	1	4	2				1.00	1.00
45	Trave f.	17	15	1	4	2				1.00	1.00
46	Trave	24	38	129	8	6					
47	Trave	39	199	129	8	6					
48	Trave	71	198	129	8	6					
49	Trave	40	197	129	8	6					
50	Trave	42	196	129	8	6					
51	Trave	43	6	129	8	6					
52	Trave	44	194	129	8	6					
53	Trave	45	193	129	8	6					
54	Trave	46	192	129	8	6					
55	Trave	47	195	129	8	6					
56	Trave	48	10	129	8	6					
57	Trave	10	54	129	9	6					
58	Trave	183	50	129	9	6					
59	Trave	182	58	129	9	6					
60	Trave	181	52	129	9	6					
61	Trave	180	56	129	9	6					
62	Trave	179	49	129	9	6					
63	Trave	178	51	129	9	6					
64	Trave	69	53	129	9	6					
65	Trave	176	55	129	9	6					
66	Trave	175	57	129	9	6					
67	Trave	167	166	129	8	6					
68	Trave	158	157	129	8	6					
69	Trave	149	148	129	8	6					
70	Trave	140	139	129	8	6					
71	Trave	131	130	129	8	6					
72	Trave	122	121	129	8	6					
73	Trave	113	112	129	8	6					

74	Trave	104	103	129	8	6		
75	Trave	95	94	129	8	6		
76	Trave	103	112	129	9	6	000011	000011
77	Trave	104	113	129	9	6	000011	000011
78	Trave	105	114	129	9	6	000011	000011
79	Trave	106	115	129	9	6	000011	000011
80	Trave	107	116	129	9	6	000011	000011
81	Trave	108	117	129	9	6	000011	000011
82	Trave	109	118	129	9	6	000011	000011
83	Trave	110	119	129	9	6	000011	000011
84	Trave	111	120	129	9	6	000011	000011
85	Trave	168	167	129	8	6		
86	Trave	159	158	129	8	6		
87	Trave	150	149	129	8	6		
88	Trave	141	140	129	8	6		
89	Trave	132	131	129	8	6		
90	Trave	123	122	129	8	6		
91	Trave	114	113	129	8	6		
92	Trave	105	104	129	8	6		
93	Trave	96	95	129	8	6		
94	Trave	112	121	129	9	6	000011	000011
95	Trave	113	122	129	9	6	000011	000011
96	Trave	114	123	129	9	6	000011	000011
97	Trave	115	124	129	9	6	000011	000011
98	Trave	116	125	129	9	6	000011	000011
99	Trave	117	126	129	9	6	000011	000011
100	Trave	118	127	129	9	6	000011	000011
101	Trave	119	128	129	9	6	000011	000011
102	Trave	120	129	129	9	6	000011	000011
103	Trave	169	168	129	8	6		
104	Trave	160	159	129	8	6		
105	Trave	151	150	129	8	6		
106	Trave	142	141	129	8	6		
107	Trave	133	132	129	8	6		
108	Trave	124	123	129	8	6		
109	Trave	115	114	129	8	6		
110	Trave	106	105	129	8	6		
111	Trave	97	96	129	8	6		
112	Trave	121	130	129	9	6	000011	000011
113	Trave	122	131	129	9	6	000011	000011
114	Trave	123	132	129	9	6	000011	000011
115	Trave	124	133	129	9	6	000011	000011
116	Trave	125	134	129	9	6	000011	000011
117	Trave	126	135	129	9	6	000011	000011
118	Trave	127	136	129	9	6	000011	000011
119	Trave	128	137	129	9	6	000011	000011
120	Trave	129	138	129	9	6	000011	000011
121	Trave	170	169	129	8	6		
122	Trave	161	160	129	8	6		
123	Trave	152	151	129	8	6		
124	Trave	143	142	129	8	6		
125	Trave	134	133	129	8	6		
126	Trave	125	124	129	8	6		
127	Trave	116	115	129	8	6		
128	Trave	107	106	129	8	6		
129	Trave	98	97	129	8	6		
130	Trave	130	139	129	9	6	000011	000011
131	Trave	131	140	129	9	6	000011	000011
132	Trave	132	141	129	9	6	000011	000011
133	Trave	133	142	129	9	6	000011	000011
134	Trave	134	143	129	9	6	000011	000011
135	Trave	135	144	129	9	6	000011	000011
136	Trave	136	145	129	9	6	000011	000011
137	Trave	137	146	129	9	6	000011	000011
138	Trave	171	170	129	8	6		
139	Trave	162	161	129	8	6		
140	Trave	153	152	129	8	6		
141	Trave	144	143	129	8	6		
142	Trave	135	134	129	8	6		
143	Trave	126	125	129	8	6		
144	Trave	117	116	129	8	6		
145	Trave	108	107	129	8	6		
146	Trave	99	98	129	8	6		
147	Trave	139	148	129	9	6	000011	000011
148	Trave	140	149	129	9	6	000011	000011
149	Trave	141	150	129	9	6	000011	000011
150	Trave	142	151	129	9	6	000011	000011

151	Trave	143	152	129	9	6	000011	000011
152	Trave	144	153	129	9	6	000011	000011
153	Trave	145	154	129	9	6	000011	000011
154	Trave	146	155	129	9	6	000011	000011
155	Trave	147	156	129	9	6	000011	000011
156	Trave	172	171	129	8	6		
157	Trave	163	162	129	8	6		
158	Trave	154	153	129	8	6		
159	Trave	145	144	129	8	6		
160	Trave	136	135	129	8	6		
161	Trave	127	126	129	8	6		
162	Trave	118	117	129	8	6		
163	Trave	109	108	129	8	6		
164	Trave	100	99	129	8	6		
165	Trave	148	157	129	9	6	000011	000011
166	Trave	149	158	129	9	6	000011	000011
167	Trave	150	159	129	9	6	000011	000011
168	Trave	151	160	129	9	6	000011	000011
169	Trave	152	161	129	9	6	000011	000011
170	Trave	153	162	129	9	6	000011	000011
171	Trave	154	163	129	9	6	000011	000011
172	Trave	155	164	129	9	6	000011	000011
173	Trave	156	165	129	9	6	000011	000011
174	Trave	173	172	129	8	6		
175	Trave	164	163	129	8	6		
176	Trave	155	154	129	8	6		
177	Trave	146	145	129	8	6		
178	Trave	137	136	129	8	6		
179	Trave	128	127	129	8	6		
180	Trave	119	118	129	8	6		
181	Trave	110	109	129	8	6		
182	Trave	101	100	129	8	6		
183	Trave	157	166	129	9	6	000011	000011
184	Trave	158	167	129	9	6	000011	000011
185	Trave	159	168	129	9	6	000011	000011
186	Trave	160	169	129	9	6	000011	000011
187	Trave	161	170	129	9	6	000011	000011
188	Trave	162	171	129	9	6	000011	000011
189	Trave	163	172	129	9	6	000011	000011
190	Trave	164	173	129	9	6	000011	000011
191	Trave	165	174	129	9	6	000011	000011
192	Trave	166	175	129	9	6		
193	Trave	167	176	129	9	6		
194	Trave	168	69	129	9	6		
195	Trave	169	178	129	9	6		
196	Trave	170	179	129	9	6		
197	Trave	171	180	129	9	6		
198	Trave	172	181	129	9	6		
199	Trave	173	182	129	9	6		
200	Trave	174	183	129	9	6		
201	Trave	174	173	129	8	6		
202	Trave	165	164	129	8	6		
203	Trave	156	155	129	8	6		
204	Trave	147	146	129	8	6		
205	Trave	138	137	129	8	6		
206	Trave	129	128	129	8	6		
207	Trave	120	119	129	8	6		
208	Trave	111	110	129	8	6		
209	Trave	102	101	129	8	6		
210	Trave	76	93	129	9	6		
211	Trave	95	104	129	9	6	000011	000011
212	Trave	81	92	129	9	6		
213	Trave	94	103	129	9	6	000011	000011
214	Trave	61	91	129	9	6		
215	Trave	97	106	129	9	6	000011	000011
216	Trave	68	90	129	9	6		
217	Trave	98	107	129	9	6	000011	000011
218	Trave	80	89	129	9	6		
219	Trave	96	105	129	9	6	000011	000011
220	Trave	64	88	129	9	6		
221	Trave	99	108	129	9	6	000011	000011
222	Trave	67	87	129	9	6		
223	Trave	100	109	129	9	6	000011	000011
224	Trave	70	86	129	9	6		
225	Trave	101	110	129	9	6	000011	000011
226	Trave	84	85	129	9	6		
227	Trave	102	111	129	9	6	000011	000011

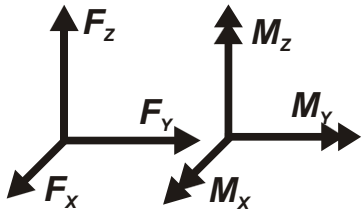
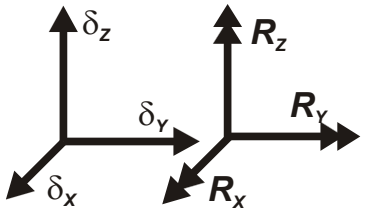
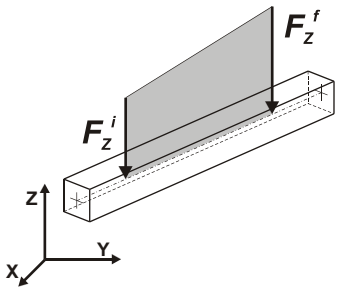
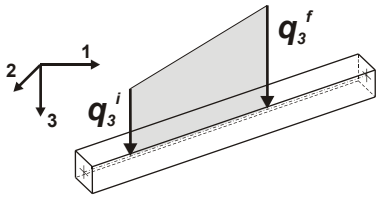
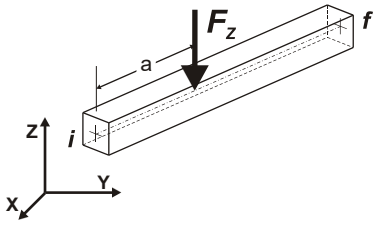
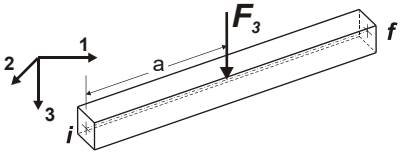
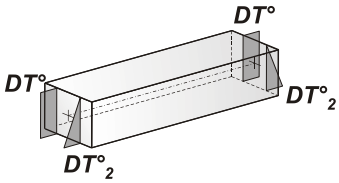
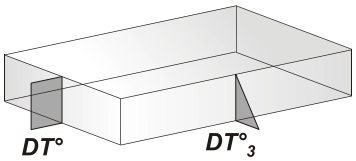
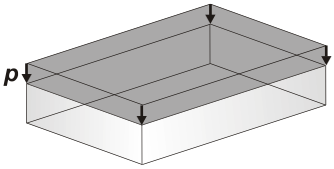
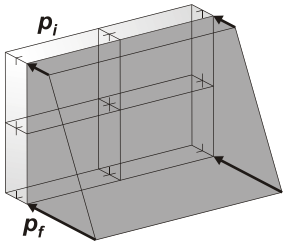
228	Trave	191	79	129	8	6		
229	Trave	190	82	129	8	6		
230	Trave	138	147	129	9	6	000011	000011
231	Trave	189	63	129	8	6		
232	Trave	94	191	129	8	6		
233	Trave	188	65	129	8	6		
234	Trave	20	77	129	8	6		
235	Trave	186	75	129	8	6		
236	Trave	166	187	129	8	6		
237	Trave	185	74	129	8	6		
238	Trave	157	184	129	8	6		
239	Trave	184	60	129	8	6		
240	Trave	148	185	129	8	6		
241	Trave	130	20	129	8	6		
242	Trave	139	186	129	8	6		
243	Trave	121	188	129	8	6		
244	Trave	187	78	129	8	6		
245	Trave	72	24	129	9	6		
246	Trave	73	2	129	9	6		
247	Trave	16	83	129	9	6		
248	Trave	103	190	129	8	6		
249	Trave	112	189	129	8	6		
250	Trave	16	62	129	8	6		
251	Trave	85	94	129	9	6		
252	Trave	86	95	129	9	6		
253	Trave	87	96	129	9	6		
254	Trave	88	97	129	9	6		
255	Trave	89	98	129	9	6		
256	Trave	90	99	129	9	6		
257	Trave	91	100	129	9	6		
258	Trave	92	101	129	9	6		
259	Trave	93	102	129	9	6		
260	Trave	195	174	129	8	6		
261	Trave	192	165	129	8	6		
262	Trave	193	156	129	8	6		
263	Trave	194	147	129	8	6		
264	Trave	6	138	129	8	6		
265	Trave	196	129	129	8	6		
266	Trave	197	120	129	8	6		
267	Trave	198	111	129	8	6		
268	Trave	199	102	129	8	6		
269	Trave	41	2	129	8	6		
270	Trave	88	26	3	2	1		
271	Trave	198	4	3	2	8		
272	Trave	91	28	3	2	8		
273	Trave	196	6	3	2	1		
274	Trave	193	8	3	2	1		
275	Trave	192	195	3	2	8		
276	Trave	181	12	3	2	8		
277	Trave	180	179	3	2	1		
278	Trave	184	187	3	2	8		
279	Trave	185	18	3	2	1		
280	Trave	188	20	3	2	1		
281	Trave	190	22	3	2	8		
282	Trave	85	24	3	2	8		
283	Trave	89	88	3	2	1		
284	Trave	199	198	3	2	8		
285	Trave	92	91	3	2	8		
286	Trave	197	196	3	2	1		
287	Trave	194	193	3	2	1		
288	Trave	182	181	3	2	8		
289	Trave	186	185	3	2	1		
290	Trave	189	188	3	2	1		
291	Trave	191	190	3	2	8		
292	Trave	86	85	3	2	8		
293	Trave	195	10	3	2	8		
294	Trave	178	14	3	2	1		
295	Trave	187	16	3	2	8		
296	Trave	90	89	3	2	1		
297	Trave	93	92	3	2	8		
298	Trave	183	182	3	2	8		
299	Trave	87	86	3	2	8		
300	Trave	179	178	3	2	1		
301	Trave	175	16	3	2	8		
302	Trave	176	175	3	2	8		
303	Trave	69	176	3	2	8		

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

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

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Gsk	CDC=G2pk (permanente pannelli n.c.d.)	
5	Qsk	CDC=Qsk (variabile solai)	
6	Qnk	CDC=Qnk (carico da neve)	
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)

CDC	Tipo	Sigla Id	Note
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=G2pk (permanente pannelli n.c.d.)
			partecipazione:1.00 per 5 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 6 CDC=Qnk (carico da neve)
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

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

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

$G_1 + G_2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

***Combinazione frequente** SLE*

$G_1 + G_2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione quasi permanente** SLE*

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

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

$E + G_1 + G_2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

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

$G_1 + G_2 + A_d + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

	Coefficiente γf	***EQU***	***A1***	***A2***

Carichi permanenti	*Favorevoli*	*γG1*	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLE(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLE(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLE(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLE(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLE(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLE(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLE(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLE(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLE(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLE(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLE(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLE(sis)	Comb. SLE (SLD Danno sism.) 58	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.30	1.30	1.50	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.00	1.00	0.80	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1.00	1.00	0.80	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.30	1.30	1.50	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.30	1.30	1.50	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.00	1.00	0.80	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1.00	1.00	0.80	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
16	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
17	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
18	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
19	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
20	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
21	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
22	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
23	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0
24	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0
25	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0
26	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0
27	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
28	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
29	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
30	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
31	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
32	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
33	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
34	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
35	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0
36	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0
37	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0
38	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0
39	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
40	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
41	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
42	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
43	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
44	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
45	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
46	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
47	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
48	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
49	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
50	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
51	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30
52	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30
53	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30
54	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30
55	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0
56	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0
57	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0
58	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0
59	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
60	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
61	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
62	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
63	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
64	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
65	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
66	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
67	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0
68	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0
69	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0
70	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0
71	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00
72	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00
73	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00
74	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00
75	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00
76	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
77	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00
78	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
79	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	1.00	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	1.00	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	1.00	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	1.00	1.00	1.00	1.00	0.30	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

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

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

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

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

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

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

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

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

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

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

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

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	11.071	44.849	
15394	11.025	44.809	5.877
15395	11.095	44.811	4.699
15173	11.093	44.861	2.065
15172	11.023	44.859	3.997

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.4	0.079	2.577	0.264
SLD	63.0	201.2	0.102	2.582	0.270
SLV	10.0	1898.2	0.261	2.465	0.287
SLC	5.0	2475.0	0.289	2.437	0.290

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.079	1.500	2.577	0.977	0.143	0.430	1.916
SLD	0.102	1.500	2.582	1.112	0.146	0.437	2.007
SLV	0.261	1.315	2.465	1.699	0.152	0.455	2.642
SLC	0.289	1.278	2.437	1.768	0.153	0.458	2.755

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edkcaso di carico sismico con analisi dinamica

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

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

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

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=2/3*q < 1.5
Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

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

a) analisi sismica statica equivalente:

- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

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

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

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

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

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g

CDC	Tipo	Sigla Id	Note
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.234 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 1.971
			classe di duttilità CD: B
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.0	-1.12	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.563	7.83e-05	4.76e-06	1.18e-05	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.563	2.01e-05	1.22e-06	9.14e-03	5.56e-04	1.00e-03	6.11e-05	0.0	0.0
3	4.268	0.234	0.563	1516.21	92.2	5.88e-06	0.0	3.41e-04	2.08e-05	0.0	0.0
4	4.671	0.214	0.563	9.96e-06	0.0	1529.83	93.0	5.76e-05	3.50e-06	0.0	0.0
5	4.713	0.212	0.563	6.00e-06	0.0	1.70e-03	1.03e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.563	3.15e-06	0.0	6.87	0.4	2.77e-03	1.69e-04	0.0	0.0
7	5.193	0.193	0.563	2.91e-06	0.0	6.38e-05	3.88e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.563	0.0	0.0	0.92	5.61e-02	1.01e-03	6.16e-05	0.0	0.0
9	5.480	0.182	0.563	1.23e-05	0.0	4.92e-04	2.99e-05	2.06	0.1	0.0	0.0
10	6.476	0.154	0.563	0.98	5.97e-02	5.46e-04	3.32e-05	1.10e-04	6.66e-06	0.0	0.0
11	7.818	0.128	0.528	0.21	1.30e-02	5.95e-04	3.62e-05	1.79e-03	1.09e-04	0.0	0.0
12	9.051	0.110	0.503	1.86e-05	1.13e-06	25.32	1.5	0.03	1.60e-03	0.0	0.0
13	9.491	0.105	0.495	76.03	4.6	1.68e-04	1.02e-05	0.15	9.24e-03	0.0	0.0
14	9.534	0.105	0.495	0.03	2.04e-03	2.90e-03	1.76e-04	321.56	19.6	0.0	0.0
15	10.176	0.098	0.485	10.12	0.6	1.17e-06	0.0	2.87e-04	1.75e-05	0.0	0.0
16	10.857	0.092	0.476	0.11	6.85e-03	1.79e-06	0.0	2.40e-03	1.46e-04	0.0	0.0
17	11.623	0.086	0.467	4.66e-04	2.83e-05	43.18	2.6	5.26e-03	3.20e-04	0.0	0.0
18	11.910	0.084	0.464	3.65	0.2	1.77e-03	1.07e-04	5.32e-03	3.23e-04	0.0	0.0
19	12.090	0.083	0.463	4.23e-03	2.57e-04	1.27e-03	7.73e-05	7.11e-03	4.32e-04	0.0	0.0
20	12.947	0.077	0.455	0.75	4.58e-02	3.18e-05	1.94e-06	7.50e-04	4.56e-05	0.0	0.0
21	13.224	0.076	0.452	4.18e-03	2.54e-04	1.34e-03	8.13e-05	0.03	1.84e-03	0.0	0.0
22	13.259	0.075	0.452	0.17	1.05e-02	0.03	1.80e-03	0.87	5.28e-02	0.0	0.0
23	13.524	0.074	0.450	0.03	1.59e-03	0.40	2.42e-02	822.08	50.0	0.0	0.0
24	13.544	0.074	0.450	0.18	1.12e-02	3.83e-04	2.33e-05	1.25	7.58e-02	0.0	0.0
25	13.628	0.073	0.449	0.06	3.48e-03	33.72	2.1	9.97	0.6	0.0	0.0
26	14.062	0.071	0.446	15.36	0.9	0.11	6.59e-03	1.15	6.98e-02	0.0	0.0
27	14.195	0.070	0.445	5.59	0.3	3.01e-03	1.83e-04	0.03	2.13e-03	0.0	0.0
28	15.105	0.066	0.439	1.64e-04	9.99e-06	1.38e-03	8.36e-05	2.64	0.2	0.0	0.0
29	16.561	0.060	0.430	3.50	0.2	2.04e-03	1.24e-04	0.01	7.15e-04	0.0	0.0
30	16.802	0.060	0.429	0.01	9.03e-04	4.06e-03	2.47e-04	0.06	3.41e-03	0.0	0.0
Risulta				1633.02		1640.41		1621.87			
In percentuale				99.32		99.77		98.64			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.234 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 1.971

CDC	Tipo	Sigla Id	Note
			classe di duttilità CD: B
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.0	1.12	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.563	8.05e-05	4.90e-06	0.0	0.0	412.72	25.1	0.0	0.0
2	4.156	0.241	0.563	1.23e-05	0.0	9.14e-03	5.56e-04	0.01	7.43e-04	0.0	0.0
3	4.268	0.234	0.563	1516.14	92.2	4.02e-04	2.44e-05	2.56e-04	1.56e-05	0.0	0.0
4	4.671	0.214	0.563	4.77e-04	2.90e-05	1529.75	93.0	1.80e-03	1.10e-04	0.0	0.0
5	4.713	0.212	0.563	9.64e-06	0.0	0.10	6.09e-03	36.52	2.2	0.0	0.0
6	4.846	0.206	0.563	3.09e-06	0.0	6.86	0.4	0.02	9.80e-04	0.0	0.0
7	5.193	0.193	0.563	3.18e-06	0.0	7.15e-06	0.0	10.70	0.7	0.0	0.0
8	5.315	0.188	0.563	0.0	0.0	0.92	5.60e-02	4.32e-03	2.63e-04	0.0	0.0
9	5.480	0.182	0.563	1.14e-05	0.0	6.93e-04	4.21e-05	2.05	0.1	0.0	0.0
10	6.477	0.154	0.563	1.01	6.13e-02	6.28e-04	3.82e-05	1.74e-04	1.06e-05	0.0	0.0
11	7.818	0.128	0.528	0.21	1.28e-02	5.16e-04	3.14e-05	1.63e-03	9.90e-05	0.0	0.0
12	9.051	0.110	0.503	1.17e-05	0.0	25.32	1.5	2.63e-03	1.60e-04	0.0	0.0
13	9.492	0.105	0.495	75.98	4.6	4.42e-04	2.69e-05	0.24	1.48e-02	0.0	0.0
14	9.534	0.105	0.495	0.05	3.09e-03	3.48e-04	2.12e-05	321.50	19.6	0.0	0.0
15	10.177	0.098	0.485	10.22	0.6	1.83e-05	1.11e-06	3.83e-04	2.33e-05	0.0	0.0
16	10.857	0.092	0.476	0.11	6.70e-03	8.14e-06	0.0	2.93e-03	1.78e-04	0.0	0.0
17	11.624	0.086	0.467	3.84e-04	2.33e-05	43.17	2.6	3.91e-04	2.38e-05	0.0	0.0
18	11.908	0.084	0.464	3.64	0.2	1.39e-03	8.44e-05	4.00e-03	2.43e-04	0.0	0.0
19	12.091	0.083	0.462	7.70e-03	4.68e-04	1.73e-03	1.05e-04	9.44e-03	5.74e-04	0.0	0.0
20	12.946	0.077	0.455	0.74	4.52e-02	1.18e-03	7.15e-05	0.02	1.27e-03	0.0	0.0
21	13.223	0.076	0.452	4.70e-05	2.86e-06	1.49e-03	9.08e-05	0.03	2.12e-03	0.0	0.0
22	13.259	0.075	0.452	0.17	1.05e-02	0.06	3.68e-03	1.58	9.62e-02	0.0	0.0
23	13.525	0.074	0.450	0.06	3.39e-03	0.13	8.19e-03	813.59	49.5	0.0	0.0
24	13.545	0.074	0.450	0.16	9.70e-03	0.03	1.76e-03	16.30	1.0	0.0	0.0
25	13.628	0.073	0.449	0.05	2.94e-03	33.99	2.1	3.18	0.2	0.0	0.0
26	14.058	0.071	0.446	15.21	0.9	0.01	8.06e-04	0.13	8.15e-03	0.0	0.0
27	14.198	0.070	0.445	5.75	0.3	0.04	2.62e-03	0.54	3.29e-02	0.0	0.0
28	15.105	0.066	0.439	1.40e-04	8.49e-06	1.79e-03	1.09e-04	2.63	0.2	0.0	0.0
29	16.564	0.060	0.430	3.53	0.2	1.31e-03	7.95e-05	5.68e-03	3.45e-04	0.0	0.0
30	16.801	0.060	0.429	2.39e-05	1.45e-06	4.26e-03	2.59e-04	0.06	3.51e-03	0.0	0.0
Risulta				1633.04		1640.41		1621.87			
In percentuale				99.32		99.77		98.64			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.215 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 2.057
			classe di duttilità CD: B
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.87	0.0	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.563	5.98e-05	3.64e-06	2.92e-06	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.563	1.12e-05	0.0	7.64e-03	4.65e-04	5.06e-03	3.07e-04	0.0	0.0
3	4.292	0.233	0.563	1515.95	92.2	2.32e-04	1.41e-05	2.77e-04	1.68e-05	0.0	0.0
4	4.646	0.215	0.563	2.78e-04	1.69e-05	1529.93	93.1	2.53e-04	1.54e-05	0.0	0.0
5	4.713	0.212	0.563	6.74e-06	0.0	0.01	7.13e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.563	3.53e-06	0.0	4.87	0.3	8.10e-03	4.93e-04	0.0	0.0
7	5.193	0.193	0.563	3.18e-06	0.0	2.80e-05	1.70e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.563	0.0	0.0	0.85	5.16e-02	2.38e-03	1.45e-04	0.0	0.0
9	5.480	0.182	0.563	1.35e-05	0.0	5.38e-04	3.27e-05	2.06	0.1	0.0	0.0
10	6.459	0.155	0.563	4.97e-05	3.02e-06	2.15	0.1	1.67e-04	1.02e-05	0.0	0.0
11	7.853	0.127	0.527	1.77e-06	0.0	0.08	4.88e-03	1.80e-03	1.10e-04	0.0	0.0
12	9.071	0.110	0.502	1.62e-06	0.0	24.29	1.5	0.01	6.47e-04	0.0	0.0
13	9.408	0.106	0.497	80.47	4.9	2.91e-04	1.77e-05	0.03	2.12e-03	0.0	0.0
14	9.534	0.105	0.495	6.97e-03	4.24e-04	1.36e-03	8.25e-05	321.69	19.6	0.0	0.0
15	10.166	0.098	0.485	8.25	0.5	5.62e-06	0.0	3.02e-04	1.84e-05	0.0	0.0
16	10.852	0.092	0.476	5.20e-06	0.0	0.09	5.38e-03	2.43e-03	1.48e-04	0.0	0.0
17	11.725	0.085	0.466	1.05e-03	6.41e-05	42.11	2.6	8.42e-04	5.12e-05	0.0	0.0
18	11.908	0.084	0.464	3.53	0.2	8.02e-03	4.88e-04	2.90e-03	1.76e-04	0.0	0.0
19	12.091	0.083	0.463	5.75e-03	3.49e-04	0.12	7.56e-03	8.61e-03	5.24e-04	0.0	0.0
20	12.955	0.077	0.454	0.90	5.45e-02	2.58e-04	1.57e-05	3.19e-03	1.94e-04	0.0	0.0
21	13.199	0.076	0.452	0.0	0.0	8.08e-03	4.91e-04	0.62	3.76e-02	0.0	0.0
22	13.224	0.076	0.452	3.38e-04	2.05e-05	6.56e-03	3.99e-04	0.14	8.47e-03	0.0	0.0
23	13.524	0.074	0.450	0.04	2.20e-03	0.24	1.47e-02	826.14	50.2	0.0	0.0
24	13.541	0.074	0.450	0.18	1.11e-02	1.94e-03	1.18e-04	1.48	9.02e-02	0.0	0.0
25	13.638	0.073	0.449	0.06	3.37e-03	35.00	2.1	6.10	0.4	0.0	0.0
26	14.080	0.071	0.446	20.49	1.2	0.05	3.26e-03	0.49	2.99e-02	0.0	0.0
27	14.141	0.071	0.445	0.03	1.65e-03	0.12	7.35e-03	0.40	2.41e-02	0.0	0.0
28	15.105	0.066	0.439	1.04e-06	0.0	2.05e-03	1.25e-04	2.65	0.2	0.0	0.0
29	16.562	0.060	0.430	3.45	0.2	1.57e-03	9.54e-05	0.01	6.63e-04	0.0	0.0
30	16.800	0.060	0.429	4.23e-03	2.57e-04	2.58e-03	1.57e-04	0.06	3.53e-03	0.0	0.0
Risulta				1633.37		1639.96		1621.86			
In percentuale				99.34		99.74		98.64			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.215 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 2.057
			classe di duttilità CD: B
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	-0.87	0.0	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.563	8.83e-05	5.37e-06	3.41e-06	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.563	1.09e-05	0.0	7.87e-03	4.79e-04	5.05e-03	3.07e-04	0.0	0.0
3	4.292	0.233	0.563	1515.95	92.2	1.07e-04	6.49e-06	3.16e-04	1.92e-05	0.0	0.0
4	4.647	0.215	0.563	1.30e-04	7.91e-06	1530.13	93.1	1.92e-04	1.17e-05	0.0	0.0
5	4.713	0.212	0.563	1.14e-05	0.0	0.01	6.91e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.563	2.65e-06	0.0	4.94	0.3	8.08e-03	4.91e-04	0.0	0.0
7	5.193	0.193	0.563	3.71e-06	0.0	2.57e-05	1.56e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.563	0.0	0.0	0.85	5.18e-02	2.38e-03	1.45e-04	0.0	0.0
9	5.480	0.182	0.563	1.24e-05	0.0	5.49e-04	3.34e-05	2.06	0.1	0.0	0.0
10	6.459	0.155	0.563	5.38e-05	3.27e-06	2.02	0.1	1.62e-04	9.85e-06	0.0	0.0
11	7.850	0.127	0.527	6.50e-06	0.0	0.06	3.53e-03	1.59e-03	9.66e-05	0.0	0.0
12	9.071	0.110	0.502	0.0	0.0	24.26	1.5	0.01	8.97e-04	0.0	0.0
13	9.408	0.106	0.497	80.47	4.9	2.74e-04	1.67e-05	0.02	1.48e-03	0.0	0.0
14	9.534	0.105	0.495	4.56e-03	2.77e-04	1.38e-03	8.38e-05	321.70	19.6	0.0	0.0
15	10.166	0.098	0.485	8.25	0.5	2.12e-06	0.0	2.79e-04	1.70e-05	0.0	0.0
16	10.852	0.092	0.476	6.42e-06	0.0	0.09	5.21e-03	2.88e-03	1.75e-04	0.0	0.0
17	11.722	0.085	0.466	4.50e-04	2.74e-05	41.90	2.5	4.64e-03	2.82e-04	0.0	0.0
18	11.908	0.084	0.464	3.53	0.2	3.47e-04	2.11e-05	7.11e-03	4.33e-04	0.0	0.0
19	12.091	0.083	0.462	5.45e-03	3.32e-04	0.19	1.16e-02	7.31e-03	4.44e-04	0.0	0.0
20	12.955	0.077	0.454	0.90	5.45e-02	3.28e-04	2.00e-05	8.94e-03	5.44e-04	0.0	0.0
21	13.199	0.076	0.452	1.57e-06	0.0	0.05	3.15e-03	0.61	3.68e-02	0.0	0.0
22	13.225	0.076	0.452	5.18e-04	3.15e-05	4.53e-03	2.76e-04	0.13	7.73e-03	0.0	0.0
23	13.525	0.074	0.450	0.04	2.52e-03	0.19	1.13e-02	826.59	50.3	0.0	0.0
24	13.541	0.074	0.450	0.18	1.09e-02	7.68e-04	4.67e-05	2.54	0.2	0.0	0.0
25	13.640	0.073	0.449	0.06	3.46e-03	35.20	2.1	4.44	0.3	0.0	0.0
26	14.080	0.071	0.446	20.50	1.2	0.06	3.63e-03	0.66	4.04e-02	0.0	0.0
27	14.139	0.071	0.445	0.01	7.56e-04	1.16e-03	7.05e-05	0.41	2.52e-02	0.0	0.0
28	15.105	0.066	0.439	5.54e-04	3.37e-05	1.22e-03	7.40e-05	2.63	0.2	0.0	0.0
29	16.562	0.060	0.430	3.45	0.2	1.67e-03	1.01e-04	6.83e-03	4.15e-04	0.0	0.0
30	16.803	0.060	0.429	3.77e-03	2.29e-04	5.31e-03	3.23e-04	0.06	3.60e-03	0.0	0.0
Risulta				1633.37		1639.97		1621.87			
In percentuale				99.34		99.74		98.64			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.234 sec.
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.0	-1.12	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.394	7.83e-05	4.76e-06	1.18e-05	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.394	2.01e-05	1.22e-06	9.14e-03	5.56e-04	1.00e-03	6.11e-05	0.0	0.0
3	4.268	0.234	0.394	1516.21	92.2	5.88e-06	0.0	3.41e-04	2.08e-05	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
4	4.671	0.214	0.394	9.96e-06	0.0	1529.83	93.0	5.76e-05	3.50e-06	0.0	0.0
5	4.713	0.212	0.394	6.00e-06	0.0	1.70e-03	1.03e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.394	3.15e-06	0.0	6.87	0.4	2.77e-03	1.69e-04	0.0	0.0
7	5.193	0.193	0.394	2.91e-06	0.0	6.38e-05	3.88e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.394	0.0	0.0	0.92	5.61e-02	1.01e-03	6.16e-05	0.0	0.0
9	5.480	0.182	0.394	1.23e-05	0.0	4.92e-04	2.99e-05	2.06	0.1	0.0	0.0
10	6.476	0.154	0.394	0.98	5.97e-02	5.46e-04	3.32e-05	1.10e-04	6.66e-06	0.0	0.0
11	7.818	0.128	0.364	0.21	1.30e-02	5.95e-04	3.62e-05	1.79e-03	1.09e-04	0.0	0.0
12	9.051	0.110	0.336	1.86e-05	1.13e-06	25.32	1.5	0.03	1.60e-03	0.0	0.0
13	9.491	0.105	0.327	76.03	4.6	1.68e-04	1.02e-05	0.15	9.24e-03	0.0	0.0
14	9.534	0.105	0.326	0.03	2.04e-03	2.90e-03	1.76e-04	321.56	19.6	0.0	0.0
15	10.176	0.098	0.315	10.12	0.6	1.17e-06	0.0	2.87e-04	1.75e-05	0.0	0.0
16	10.857	0.092	0.305	0.11	6.85e-03	1.79e-06	0.0	2.40e-03	1.46e-04	0.0	0.0
17	11.623	0.086	0.295	4.66e-04	2.83e-05	43.18	2.6	5.26e-03	3.20e-04	0.0	0.0
18	11.910	0.084	0.292	3.65	0.2	1.77e-03	1.07e-04	5.32e-03	3.23e-04	0.0	0.0
19	12.090	0.083	0.290	4.23e-03	2.57e-04	1.27e-03	7.73e-05	7.11e-03	4.32e-04	0.0	0.0
20	12.947	0.077	0.280	0.75	4.58e-02	3.18e-05	1.94e-06	7.50e-04	4.56e-05	0.0	0.0
21	13.224	0.076	0.278	4.18e-03	2.54e-04	1.34e-03	8.13e-05	0.03	1.84e-03	0.0	0.0
22	13.259	0.075	0.277	0.17	1.05e-02	0.03	1.80e-03	0.87	5.28e-02	0.0	0.0
23	13.524	0.074	0.275	0.03	1.59e-03	0.40	2.42e-02	822.08	50.0	0.0	0.0
24	13.544	0.074	0.275	0.18	1.12e-02	3.83e-04	2.33e-05	1.25	7.58e-02	0.0	0.0
25	13.628	0.073	0.274	0.06	3.48e-03	33.72	2.1	9.97	0.6	0.0	0.0
26	14.062	0.071	0.270	15.36	0.9	0.11	6.59e-03	1.15	6.98e-02	0.0	0.0
27	14.195	0.070	0.269	5.59	0.3	3.01e-03	1.83e-04	0.03	2.13e-03	0.0	0.0
28	15.105	0.066	0.262	1.64e-04	9.99e-06	1.38e-03	8.36e-05	2.64	0.2	0.0	0.0
29	16.561	0.060	0.253	3.50	0.2	2.04e-03	1.24e-04	0.01	7.15e-04	0.0	0.0
30	16.802	0.060	0.251	0.01	9.03e-04	4.06e-03	2.47e-04	0.06	3.41e-03	0.0	0.0
Risulta				1633.02		1640.41		1621.87			
In percentuale				99.32		99.77		98.64			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.234 sec.
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.0	1.12	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.394	8.05e-05	4.90e-06	0.0	0.0	412.72	25.1	0.0	0.0
2	4.156	0.241	0.394	1.23e-05	0.0	9.14e-03	5.56e-04	0.01	7.43e-04	0.0	0.0
3	4.268	0.234	0.394	1516.14	92.2	4.02e-04	2.44e-05	2.56e-04	1.56e-05	0.0	0.0
4	4.671	0.214	0.394	4.77e-04	2.90e-05	1529.75	93.0	1.80e-03	1.10e-04	0.0	0.0
5	4.713	0.212	0.394	9.64e-06	0.0	0.10	6.09e-03	36.52	2.2	0.0	0.0
6	4.846	0.206	0.394	3.09e-06	0.0	6.86	0.4	0.02	9.80e-04	0.0	0.0
7	5.193	0.193	0.394	3.18e-06	0.0	7.15e-06	0.0	10.70	0.7	0.0	0.0
8	5.315	0.188	0.394	0.0	0.0	0.92	5.60e-02	4.32e-03	2.63e-04	0.0	0.0
9	5.480	0.182	0.394	1.14e-05	0.0	6.93e-04	4.21e-05	2.05	0.1	0.0	0.0
10	6.477	0.154	0.394	1.01	6.13e-02	6.28e-04	3.82e-05	1.74e-04	1.06e-05	0.0	0.0
11	7.818	0.128	0.364	0.21	1.28e-02	5.16e-04	3.14e-05	1.63e-03	9.90e-05	0.0	0.0
12	9.051	0.110	0.336	1.17e-05	0.0	25.32	1.5	2.63e-03	1.60e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
13	9.492	0.105	0.327	75.98	4.6	4.42e-04	2.69e-05	0.24	1.48e-02	0.0	0.0
14	9.534	0.105	0.326	0.05	3.09e-03	3.48e-04	2.12e-05	321.50	19.6	0.0	0.0
15	10.177	0.098	0.315	10.22	0.6	1.83e-05	1.11e-06	3.83e-04	2.33e-05	0.0	0.0
16	10.857	0.092	0.305	0.11	6.70e-03	8.14e-06	0.0	2.93e-03	1.78e-04	0.0	0.0
17	11.624	0.086	0.295	3.84e-04	2.33e-05	43.17	2.6	3.91e-04	2.38e-05	0.0	0.0
18	11.908	0.084	0.292	3.64	0.2	1.39e-03	8.44e-05	4.00e-03	2.43e-04	0.0	0.0
19	12.091	0.083	0.290	7.70e-03	4.68e-04	1.73e-03	1.05e-04	9.44e-03	5.74e-04	0.0	0.0
20	12.946	0.077	0.281	0.74	4.52e-02	1.18e-03	7.15e-05	0.02	1.27e-03	0.0	0.0
21	13.223	0.076	0.278	4.70e-05	2.86e-06	1.49e-03	9.08e-05	0.03	2.12e-03	0.0	0.0
22	13.259	0.075	0.277	0.17	1.05e-02	0.06	3.68e-03	1.58	9.62e-02	0.0	0.0
23	13.525	0.074	0.275	0.06	3.39e-03	0.13	8.19e-03	813.59	49.5	0.0	0.0
24	13.545	0.074	0.275	0.16	9.70e-03	0.03	1.76e-03	16.30	1.0	0.0	0.0
25	13.628	0.073	0.274	0.05	2.94e-03	33.99	2.1	3.18	0.2	0.0	0.0
26	14.058	0.071	0.270	15.21	0.9	0.01	8.06e-04	0.13	8.15e-03	0.0	0.0
27	14.198	0.070	0.269	5.75	0.3	0.04	2.62e-03	0.54	3.29e-02	0.0	0.0
28	15.105	0.066	0.262	1.40e-04	8.49e-06	1.79e-03	1.09e-04	2.63	0.2	0.0	0.0
29	16.564	0.060	0.253	3.53	0.2	1.31e-03	7.95e-05	5.68e-03	3.45e-04	0.0	0.0
30	16.801	0.060	0.251	2.39e-05	1.45e-06	4.26e-03	2.59e-04	0.06	3.51e-03	0.0	0.0
Risulta				1633.04		1640.41		1621.87			
In percentuale				99.32		99.77		98.64			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.215 sec.
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	0.87	0.0	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.394	5.98e-05	3.64e-06	2.92e-06	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.394	1.12e-05	0.0	7.64e-03	4.65e-04	5.06e-03	3.07e-04	0.0	0.0
3	4.292	0.233	0.394	1515.95	92.2	2.32e-04	1.41e-05	2.77e-04	1.68e-05	0.0	0.0
4	4.646	0.215	0.394	2.78e-04	1.69e-05	1529.93	93.1	2.53e-04	1.54e-05	0.0	0.0
5	4.713	0.212	0.394	6.74e-06	0.0	0.01	7.13e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.394	3.53e-06	0.0	4.87	0.3	8.10e-03	4.93e-04	0.0	0.0
7	5.193	0.193	0.394	3.18e-06	0.0	2.80e-05	1.70e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.394	0.0	0.0	0.85	5.16e-02	2.38e-03	1.45e-04	0.0	0.0
9	5.480	0.182	0.394	1.35e-05	0.0	5.38e-04	3.27e-05	2.06	0.1	0.0	0.0
10	6.459	0.155	0.394	4.97e-05	3.02e-06	2.15	0.1	1.67e-04	1.02e-05	0.0	0.0
11	7.853	0.127	0.363	1.77e-06	0.0	0.08	4.88e-03	1.80e-03	1.10e-04	0.0	0.0
12	9.071	0.110	0.335	1.62e-06	0.0	24.29	1.5	0.01	6.47e-04	0.0	0.0
13	9.408	0.106	0.329	80.47	4.9	2.91e-04	1.77e-05	0.03	2.12e-03	0.0	0.0
14	9.534	0.105	0.326	6.97e-03	4.24e-04	1.36e-03	8.25e-05	321.69	19.6	0.0	0.0
15	10.166	0.098	0.315	8.25	0.5	5.62e-06	0.0	3.02e-04	1.84e-05	0.0	0.0
16	10.852	0.092	0.305	5.20e-06	0.0	0.09	5.38e-03	2.43e-03	1.48e-04	0.0	0.0
17	11.725	0.085	0.294	1.05e-03	6.41e-05	42.11	2.6	8.42e-04	5.12e-05	0.0	0.0
18	11.908	0.084	0.292	3.53	0.2	8.02e-03	4.88e-04	2.90e-03	1.76e-04	0.0	0.0
19	12.091	0.083	0.290	5.75e-03	3.49e-04	0.12	7.56e-03	8.61e-03	5.24e-04	0.0	0.0
20	12.955	0.077	0.280	0.90	5.45e-02	2.58e-04	1.57e-05	3.19e-03	1.94e-04	0.0	0.0
21	13.199	0.076	0.278	0.0	0.0	8.08e-03	4.91e-04	0.62	3.76e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
22	13.224	0.076	0.278	3.38e-04	2.05e-05	6.56e-03	3.99e-04	0.14	8.47e-03	0.0	0.0
23	13.524	0.074	0.275	0.04	2.20e-03	0.24	1.47e-02	826.14	50.2	0.0	0.0
24	13.541	0.074	0.275	0.18	1.11e-02	1.94e-03	1.18e-04	1.48	9.02e-02	0.0	0.0
25	13.638	0.073	0.274	0.06	3.37e-03	35.00	2.1	6.10	0.4	0.0	0.0
26	14.080	0.071	0.270	20.49	1.2	0.05	3.26e-03	0.49	2.99e-02	0.0	0.0
27	14.141	0.071	0.270	0.03	1.65e-03	0.12	7.35e-03	0.40	2.41e-02	0.0	0.0
28	15.105	0.066	0.262	1.04e-06	0.0	2.05e-03	1.25e-04	2.65	0.2	0.0	0.0
29	16.562	0.060	0.253	3.45	0.2	1.57e-03	9.54e-05	0.01	6.63e-04	0.0	0.0
30	16.800	0.060	0.251	4.23e-03	2.57e-04	2.58e-03	1.57e-04	0.06	3.53e-03	0.0	0.0
Risulta				1633.37		1639.96		1621.86			
In percentuale				99.34		99.74		98.64			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.215 sec.
			numero di modi considerati: 30
			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			
3.50	1644.17	7.16	9.65	-0.87	0.0	7.15	9.65	1.858	6.5624e-04	1.2124e-04
Risulta	1644.17									

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	3.790	0.264	0.394	8.83e-05	5.37e-06	3.41e-06	0.0	412.73	25.1	0.0	0.0
2	4.156	0.241	0.394	1.09e-05	0.0	7.87e-03	4.79e-04	5.05e-03	3.07e-04	0.0	0.0
3	4.292	0.233	0.394	1515.95	92.2	1.07e-04	6.49e-06	3.16e-04	1.92e-05	0.0	0.0
4	4.647	0.215	0.394	1.30e-04	7.91e-06	1530.13	93.1	1.92e-04	1.17e-05	0.0	0.0
5	4.713	0.212	0.394	1.14e-05	0.0	0.01	6.91e-04	36.53	2.2	0.0	0.0
6	4.846	0.206	0.394	2.65e-06	0.0	4.94	0.3	8.08e-03	4.91e-04	0.0	0.0
7	5.193	0.193	0.394	3.71e-06	0.0	2.57e-05	1.56e-06	10.70	0.7	0.0	0.0
8	5.315	0.188	0.394	0.0	0.0	0.85	5.18e-02	2.38e-03	1.45e-04	0.0	0.0
9	5.480	0.182	0.394	1.24e-05	0.0	5.49e-04	3.34e-05	2.06	0.1	0.0	0.0
10	6.459	0.155	0.394	5.38e-05	3.27e-06	2.02	0.1	1.62e-04	9.85e-06	0.0	0.0
11	7.850	0.127	0.363	6.50e-06	0.0	0.06	3.53e-03	1.59e-03	9.66e-05	0.0	0.0
12	9.071	0.110	0.335	0.0	0.0	24.26	1.5	0.01	8.97e-04	0.0	0.0
13	9.408	0.106	0.329	80.47	4.9	2.74e-04	1.67e-05	0.02	1.48e-03	0.0	0.0
14	9.534	0.105	0.326	4.56e-03	2.77e-04	1.38e-03	8.38e-05	321.70	19.6	0.0	0.0
15	10.166	0.098	0.315	8.25	0.5	2.12e-06	0.0	2.79e-04	1.70e-05	0.0	0.0
16	10.852	0.092	0.305	6.42e-06	0.0	0.09	5.21e-03	2.88e-03	1.75e-04	0.0	0.0
17	11.722	0.085	0.294	4.50e-04	2.74e-05	41.90	2.5	4.64e-03	2.82e-04	0.0	0.0
18	11.908	0.084	0.292	3.53	0.2	3.47e-04	2.11e-05	7.11e-03	4.33e-04	0.0	0.0
19	12.091	0.083	0.290	5.45e-03	3.32e-04	0.19	1.16e-02	7.31e-03	4.44e-04	0.0	0.0
20	12.955	0.077	0.280	0.90	5.45e-02	3.28e-04	2.00e-05	8.94e-03	5.44e-04	0.0	0.0
21	13.199	0.076	0.278	1.57e-06	0.0	0.05	3.15e-03	0.61	3.68e-02	0.0	0.0
22	13.225	0.076	0.278	5.18e-04	3.15e-05	4.53e-03	2.76e-04	0.13	7.73e-03	0.0	0.0
23	13.525	0.074	0.275	0.04	2.52e-03	0.19	1.13e-02	826.59	50.3	0.0	0.0
24	13.541	0.074	0.275	0.18	1.09e-02	7.68e-04	4.67e-05	2.54	0.2	0.0	0.0
25	13.640	0.073	0.274	0.06	3.46e-03	35.20	2.1	4.44	0.3	0.0	0.0
26	14.080	0.071	0.270	20.50	1.2	0.06	3.63e-03	0.66	4.04e-02	0.0	0.0
27	14.139	0.071	0.270	0.01	7.56e-04	1.16e-03	7.05e-05	0.41	2.52e-02	0.0	0.0
28	15.105	0.066	0.262	5.54e-04	3.37e-05	1.22e-03	7.40e-05	2.63	0.2	0.0	0.0
29	16.562	0.060	0.253	3.45	0.2	1.67e-03	1.01e-04	6.83e-03	4.15e-04	0.0	0.0
30	16.803	0.060	0.251	3.77e-03	2.29e-04	5.31e-03	3.23e-04	0.06	3.60e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
Risulta				1633.37		1639.97		1621.87			
In percentuale				99.34		99.74		98.64			

Cmb	Pilas.	1000 etaT/h	etaT cm	inter. h cm	Pilas.	1000 etaT/h	etaT cm	inter. h cm	Pilas.	1000 etaT/h	etaT cm	inter. h cm
47	1	0.89	0.31	350.0	3	1.51	0.53	350.0	4	1.14	0.40	350.0
	5	0.63	0.22	350.0	6	0.71	0.25	350.0	7	0.74	0.26	350.0
	8	0.69	0.24	350.0	9	1.53	0.54	350.0	10	1.94	0.68	350.0
	11	1.75	0.61	350.0	12	0.90	0.31	350.0	13	0.97	0.34	350.0
	14	0.94	0.33	350.0	28	1.36	0.48	350.0				
48	1	0.86	0.30	350.0	3	1.52	0.53	350.0	4	1.16	0.41	350.0
	5	0.68	0.24	350.0	6	0.75	0.26	350.0	7	0.77	0.27	350.0
	8	0.67	0.24	350.0	9	1.54	0.54	350.0	10	1.94	0.68	350.0
	11	1.73	0.61	350.0	12	0.88	0.31	350.0	13	0.92	0.32	350.0
	14	0.92	0.32	350.0	28	1.35	0.47	350.0				
49	1	0.86	0.30	350.0	3	1.93	0.68	350.0	4	1.53	0.54	350.0
	5	0.68	0.24	350.0	6	0.73	0.26	350.0	7	0.74	0.26	350.0
	8	0.66	0.23	350.0	9	1.15	0.40	350.0	10	1.51	0.53	350.0
	11	1.35	0.47	350.0	12	0.88	0.31	350.0	13	0.93	0.33	350.0
	14	0.93	0.33	350.0	28	1.73	0.60	350.0				
50	1	0.89	0.31	350.0	3	1.93	0.67	350.0	4	1.51	0.53	350.0
	5	0.63	0.22	350.0	6	0.72	0.25	350.0	7	0.74	0.26	350.0
	8	0.68	0.24	350.0	9	1.15	0.40	350.0	10	1.52	0.53	350.0
	11	1.37	0.48	350.0	12	0.89	0.31	350.0	13	0.95	0.33	350.0
	14	0.93	0.32	350.0	28	1.74	0.61	350.0				
51	1	0.88	0.31	350.0	3	1.52	0.53	350.0	4	1.16	0.41	350.0
	5	0.67	0.23	350.0	6	0.75	0.26	350.0	7	0.74	0.26	350.0
	8	0.69	0.24	350.0	9	1.54	0.54	350.0	10	1.94	0.68	350.0
	11	1.73	0.61	350.0	12	0.86	0.30	350.0	13	0.93	0.33	350.0
	14	0.93	0.33	350.0	28	1.35	0.47	350.0				
52	1	0.90	0.31	350.0	3	1.52	0.53	350.0	4	1.16	0.41	350.0
	5	0.69	0.24	350.0	6	0.75	0.26	350.0	7	0.73	0.26	350.0
	8	0.64	0.22	350.0	9	1.52	0.53	350.0	10	1.93	0.68	350.0
	11	1.74	0.61	350.0	12	0.89	0.31	350.0	13	0.93	0.33	350.0
	14	0.95	0.33	350.0	28	1.38	0.48	350.0				
53	1	0.89	0.31	350.0	3	1.94	0.68	350.0	4	1.52	0.53	350.0
	5	0.68	0.24	350.0	6	0.73	0.25	350.0	7	0.71	0.25	350.0
	8	0.62	0.22	350.0	9	1.13	0.40	350.0	10	1.50	0.53	350.0
	11	1.36	0.47	350.0	12	0.88	0.31	350.0	13	0.94	0.33	350.0
	14	0.96	0.34	350.0	28	1.75	0.61	350.0				
54	1	0.88	0.31	350.0	3	1.93	0.68	350.0	4	1.53	0.54	350.0
	5	0.66	0.23	350.0	6	0.76	0.27	350.0	7	0.74	0.26	350.0
	8	0.68	0.24	350.0	9	1.15	0.40	350.0	10	1.51	0.53	350.0
	11	1.35	0.47	350.0	12	0.86	0.30	350.0	13	0.92	0.32	350.0
	14	0.92	0.32	350.0	28	1.73	0.60	350.0				
55	1	0.68	0.24	350.0	3	1.51	0.53	350.0	4	1.36	0.47	350.0
	5	0.86	0.30	350.0	6	0.92	0.32	350.0	7	0.93	0.32	350.0
	8	0.89	0.31	350.0	9	1.74	0.61	350.0	10	1.94	0.68	350.0
	11	1.53	0.54	350.0	12	0.67	0.23	350.0	13	0.76	0.27	350.0
	14	0.75	0.26	350.0	28	1.15	0.40	350.0				
56	1	0.63	0.22	350.0	3	1.51	0.53	350.0	4	1.36	0.48	350.0
	5	0.89	0.31	350.0	6	0.94	0.33	350.0	7	0.97	0.34	350.0
	8	0.90	0.32	350.0	9	1.76	0.62	350.0	10	1.94	0.68	350.0
	11	1.53	0.53	350.0	12	0.69	0.24	350.0	13	0.73	0.26	350.0
	14	0.71	0.25	350.0	28	1.13	0.40	350.0				
57	1	0.63	0.22	350.0	3	1.93	0.67	350.0	4	1.74	0.61	350.0
	5	0.88	0.31	350.0	6	0.92	0.32	350.0	7	0.95	0.33	350.0
	8	0.89	0.31	350.0	9	1.37	0.48	350.0	10	1.52	0.53	350.0
	11	1.15	0.40	350.0	12	0.68	0.24	350.0	13	0.74	0.26	350.0
	14	0.72	0.25	350.0	28	1.51	0.53	350.0				
58	1	0.68	0.24	350.0	3	1.93	0.68	350.0	4	1.73	0.61	350.0
	5	0.86	0.30	350.0	6	0.93	0.33	350.0	7	0.93	0.32	350.0
	8	0.87	0.31	350.0	9	1.35	0.47	350.0	10	1.51	0.53	350.0
	11	1.15	0.40	350.0	12	0.66	0.23	350.0	13	0.75	0.26	350.0
	14	0.73	0.26	350.0	28	1.53	0.53	350.0				
59	1	0.68	0.24	350.0	3	1.52	0.53	350.0	4	1.38	0.48	350.0
	5	0.90	0.31	350.0	6	0.96	0.33	350.0	7	0.93	0.33	350.0
	8	0.89	0.31	350.0	9	1.75	0.61	350.0	10	1.93	0.68	350.0
	11	1.51	0.53	350.0	12	0.63	0.22	350.0	13	0.73	0.25	350.0
	14	0.75	0.26	350.0	28	1.15	0.40	350.0				

60	1	0.67	0.23	350.0	3	1.52	0.53	350.0	4	1.36	0.48	350.0
	5	0.88	0.31	350.0	6	0.94	0.33	350.0	7	0.94	0.33	350.0
	8	0.87	0.30	350.0	9	1.74	0.61	350.0	10	1.94	0.68	350.0
	11	1.53	0.54	350.0	12	0.69	0.24	350.0	13	0.74	0.26	350.0
	14	0.75	0.26	350.0	28	1.16	0.40	350.0				
61	1	0.66	0.23	350.0	3	1.93	0.68	350.0	4	1.73	0.61	350.0
	5	0.88	0.31	350.0	6	0.92	0.32	350.0	7	0.92	0.32	350.0
	8	0.86	0.30	350.0	9	1.35	0.47	350.0	10	1.51	0.53	350.0
	11	1.15	0.40	350.0	12	0.68	0.24	350.0	13	0.74	0.26	350.0
	14	0.76	0.27	350.0	28	1.53	0.54	350.0				
62	1	0.68	0.24	350.0	3	1.94	0.68	350.0	4	1.75	0.61	350.0
	5	0.89	0.31	350.0	6	0.96	0.34	350.0	7	0.93	0.33	350.0
	8	0.88	0.31	350.0	9	1.36	0.47	350.0	10	1.50	0.53	350.0
	11	1.13	0.39	350.0	12	0.63	0.22	350.0	13	0.71	0.25	350.0
	14	0.73	0.26	350.0	28	1.52	0.53	350.0				
63	1	0.71	0.25	350.0	3	0.69	0.24	350.0	4	0.65	0.23	350.0
	5	0.65	0.23	350.0	6	1.27	0.44	350.0	7	1.38	0.48	350.0
	8	0.86	0.30	350.0	9	1.01	0.35	350.0	10	1.10	0.39	350.0
	11	1.07	0.38	350.0	12	0.88	0.31	350.0	13	1.43	0.50	350.0
	14	1.31	0.46	350.0	28	0.69	0.24	350.0				
64	1	0.68	0.24	350.0	3	0.71	0.25	350.0	4	0.69	0.24	350.0
	5	0.70	0.25	350.0	6	1.31	0.46	350.0	7	1.41	0.50	350.0
	8	0.85	0.30	350.0	9	1.03	0.36	350.0	10	1.09	0.38	350.0
	11	1.03	0.36	350.0	12	0.87	0.30	350.0	13	1.38	0.48	350.0
	14	1.29	0.45	350.0	28	0.69	0.24	350.0				
65	1	0.68	0.24	350.0	3	0.97	0.34	350.0	4	0.88	0.31	350.0
	5	0.70	0.24	350.0	6	1.28	0.45	350.0	7	1.38	0.48	350.0
	8	0.85	0.30	350.0	9	0.85	0.30	350.0	10	0.87	0.30	350.0
	11	0.85	0.30	350.0	12	0.86	0.30	350.0	13	1.41	0.49	350.0
	14	1.31	0.46	350.0	28	0.90	0.31	350.0				
66	1	0.72	0.25	350.0	3	0.96	0.34	350.0	4	0.85	0.30	350.0
	5	0.65	0.23	350.0	6	1.30	0.45	350.0	7	1.40	0.49	350.0
	8	0.86	0.30	350.0	9	0.85	0.30	350.0	10	0.88	0.31	350.0
	11	0.88	0.31	350.0	12	0.88	0.31	350.0	13	1.40	0.49	350.0
	14	1.29	0.45	350.0	28	0.92	0.32	350.0				
67	1	0.70	0.24	350.0	3	0.71	0.25	350.0	4	0.69	0.24	350.0
	5	0.68	0.24	350.0	6	1.28	0.45	350.0	7	1.38	0.48	350.0
	8	0.87	0.30	350.0	9	1.03	0.36	350.0	10	1.09	0.38	350.0
	11	1.02	0.36	350.0	12	0.85	0.30	350.0	13	1.41	0.49	350.0
	14	1.31	0.46	350.0	28	0.68	0.24	350.0				
68	1	0.65	0.23	350.0	3	0.70	0.24	350.0	4	0.70	0.24	350.0
	5	0.71	0.25	350.0	6	1.32	0.46	350.0	7	1.43	0.50	350.0
	8	0.88	0.31	350.0	9	1.08	0.38	350.0	10	1.10	0.39	350.0
	11	1.01	0.35	350.0	12	0.87	0.30	350.0	13	1.38	0.48	350.0
	14	1.27	0.45	350.0	28	0.66	0.23	350.0				
69	1	0.64	0.23	350.0	3	0.96	0.33	350.0	4	0.92	0.32	350.0
	5	0.71	0.25	350.0	6	1.29	0.45	350.0	7	1.40	0.49	350.0
	8	0.88	0.31	350.0	9	0.88	0.31	350.0	10	0.88	0.31	350.0
	11	0.85	0.30	350.0	12	0.86	0.30	350.0	13	1.40	0.49	350.0
	14	1.29	0.45	350.0	28	0.84	0.29	350.0				
70	1	0.70	0.25	350.0	3	0.97	0.34	350.0	4	0.90	0.31	350.0
	5	0.68	0.24	350.0	6	1.31	0.46	350.0	7	1.41	0.49	350.0
	8	0.86	0.30	350.0	9	0.85	0.30	350.0	10	0.87	0.30	350.0
	11	0.85	0.30	350.0	12	0.85	0.30	350.0	13	1.39	0.49	350.0
	14	1.28	0.45	350.0	28	0.89	0.31	350.0				
71	1	0.86	0.30	350.0	3	0.87	0.30	350.0	4	0.84	0.30	350.0
	5	0.85	0.30	350.0	6	1.38	0.48	350.0	7	1.28	0.45	350.0
	8	0.70	0.25	350.0	9	0.89	0.31	350.0	10	0.97	0.34	350.0
	11	0.90	0.32	350.0	12	0.68	0.24	350.0	13	1.31	0.46	350.0
	14	1.40	0.49	350.0	28	0.85	0.30	350.0				
72	1	0.88	0.31	350.0	3	0.88	0.31	350.0	4	0.85	0.30	350.0
	5	0.86	0.30	350.0	6	1.40	0.49	350.0	7	1.30	0.46	350.0
	8	0.65	0.23	350.0	9	0.85	0.30	350.0	10	0.96	0.34	350.0
	11	0.93	0.32	350.0	12	0.72	0.25	350.0	13	1.30	0.45	350.0
	14	1.40	0.49	350.0	28	0.88	0.31	350.0				
73	1	0.88	0.31	350.0	3	1.10	0.38	350.0	4	1.00	0.35	350.0
	5	0.86	0.30	350.0	6	1.37	0.48	350.0	7	1.27	0.44	350.0
	8	0.65	0.23	350.0	9	0.65	0.23	350.0	10	0.69	0.24	350.0
	11	0.69	0.24	350.0	12	0.71	0.25	350.0	13	1.32	0.46	350.0
	14	1.43	0.50	350.0	28	1.07	0.37	350.0				
74	1	0.87	0.30	350.0	3	1.09	0.38	350.0	4	1.02	0.36	350.0
	5	0.85	0.30	350.0	6	1.41	0.49	350.0	7	1.31	0.46	350.0
	8	0.70	0.24	350.0	9	0.69	0.24	350.0	10	0.71	0.25	350.0
	11	0.69	0.24	350.0	12	0.68	0.24	350.0	13	1.29	0.45	350.0
	14	1.38	0.48	350.0	28	1.03	0.36	350.0				
75	1	0.86	0.30	350.0	3	0.88	0.31	350.0	4	0.88	0.31	350.0
	5	0.88	0.31	350.0	6	1.40	0.49	350.0	7	1.29	0.45	350.0

	8	0.72	0.25	350.0	9	0.93	0.32	350.0	10	0.96	0.34	350.0
	11	0.85	0.30	350.0	12	0.65	0.23	350.0	13	1.30	0.45	350.0
	14	1.40	0.49	350.0	28	0.85	0.30	350.0				
76	1	0.85	0.30	350.0	3	0.87	0.30	350.0	4	0.86	0.30	350.0
	5	0.87	0.30	350.0	6	1.41	0.49	350.0	7	1.32	0.46	350.0
	8	0.68	0.24	350.0	9	0.91	0.32	350.0	10	0.97	0.34	350.0
	11	0.89	0.31	350.0	12	0.70	0.25	350.0	13	1.29	0.45	350.0
	14	1.39	0.48	350.0	28	0.85	0.30	350.0				
77	1	0.84	0.30	350.0	3	1.09	0.38	350.0	4	1.03	0.36	350.0
	5	0.86	0.30	350.0	6	1.38	0.48	350.0	7	1.29	0.45	350.0
	8	0.68	0.24	350.0	9	0.69	0.24	350.0	10	0.71	0.25	350.0
	11	0.68	0.24	350.0	12	0.70	0.24	350.0	13	1.31	0.46	350.0
	14	1.41	0.49	350.0	28	1.02	0.36	350.0				
78	1	0.86	0.30	350.0	3	1.10	0.38	350.0	4	1.07	0.37	350.0
	5	0.88	0.31	350.0	6	1.43	0.50	350.0	7	1.32	0.46	350.0
	8	0.71	0.25	350.0	9	0.70	0.24	350.0	10	0.70	0.24	350.0
	11	0.66	0.23	350.0	12	0.65	0.23	350.0	13	1.27	0.45	350.0
	14	1.38	0.48	350.0	28	1.00	0.35	350.0				

Cmb	**1000 etaT/h**
	1.94

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	CDC	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	-1.14e-04	-1.56e-04	-0.21	4.99e-06	-1.33e-05	0.0
1	7	-0.13	7.21e-03	-0.16	2.65e-04	-4.28e-04	-8.14e-05
1	10	9.53e-03	-0.11	-0.11	2.37e-04	-1.55e-04	4.34e-05
2	1	-1.10e-04	-1.76e-04	-0.21	-9.05e-05	6.17e-05	1.23e-05
2	7	-0.56	9.83e-03	-0.16	1.73e-04	-7.28e-04	3.44e-04
2	10	0.02	-0.53	-0.11	4.02e-04	-9.28e-05	-2.94e-04
3	1	-8.92e-04	-9.65e-05	-0.22	-1.94e-05	-3.44e-06	2.12e-06
3	7	-0.08	6.93e-03	-0.05	1.25e-04	-9.65e-04	-8.98e-05
3	10	2.34e-03	-0.11	-0.04	1.69e-04	-4.09e-05	-4.29e-06
4	1	-0.01	-7.08e-05	-0.22	-2.73e-06	3.46e-04	2.86e-05
4	7	-0.85	0.01	-0.05	7.81e-05	-1.62e-03	4.41e-04
4	10	0.02	-0.52	-0.04	6.18e-04	-5.73e-05	6.31e-05
5	1	-1.35e-03	0.0	-0.22	0.0	-1.00e-05	0.0
5	7	-0.06	6.38e-03	-0.02	4.73e-06	-1.12e-03	-1.79e-05
5	10	-1.96e-05	-0.11	1.19e-04	1.27e-04	0.0	5.46e-06
6	1	-0.01	-3.17e-06	-0.23	0.0	4.82e-04	0.0
6	7	-0.91	0.02	-0.02	-9.79e-06	-1.66e-03	-1.43e-04
6	10	2.34e-04	-0.52	1.21e-04	5.57e-04	-1.03e-06	-2.33e-05
7	1	-8.93e-04	9.42e-05	-0.22	1.96e-05	-3.54e-06	-2.12e-06
7	8	-0.08	-6.91e-03	-0.05	-1.25e-04	-9.66e-04	8.97e-05
7	10	-2.34e-03	-0.11	0.04	1.69e-04	4.06e-05	-4.27e-06
8	1	-0.01	6.60e-05	-0.22	2.25e-06	3.47e-04	-2.84e-05
8	8	-0.85	-0.01	-0.05	-7.81e-05	-1.62e-03	-4.38e-04
8	10	-0.02	-0.53	0.04	6.19e-04	5.68e-05	6.26e-05
9	1	-1.14e-04	1.55e-04	-0.21	-5.30e-06	-1.32e-05	0.0
9	8	-0.13	-7.18e-03	-0.16	-2.66e-04	-4.29e-04	8.13e-05
9	10	-9.55e-03	-0.11	0.11	2.37e-04	1.55e-04	4.35e-05
10	1	-1.18e-04	1.72e-04	-0.21	9.15e-05	6.17e-05	-1.24e-05
10	8	-0.56	-9.79e-03	-0.16	-1.73e-04	-7.28e-04	-3.42e-04
10	10	-0.02	-0.53	0.11	4.02e-04	9.25e-05	-2.97e-04
11	1	-3.60e-05	1.75e-03	-0.21	-3.03e-05	7.20e-06	3.19e-06
11	8	-0.13	4.35e-03	-0.03	-6.30e-05	-2.33e-04	-1.28e-05
11	10	-9.13e-03	-0.08	0.04	8.55e-04	7.35e-05	6.60e-05
12	1	-8.70e-05	1.26e-03	-0.22	1.50e-04	-8.38e-06	1.74e-06
12	8	-0.56	-5.03e-03	-0.03	-2.94e-05	-6.48e-04	3.46e-05
12	10	-0.02	-0.77	0.04	2.00e-03	3.79e-05	-2.37e-04
13	1	4.00e-05	1.76e-03	-0.21	-3.03e-05	-7.57e-06	-3.16e-06
13	8	-0.13	-4.28e-03	0.03	6.12e-05	-2.31e-04	-1.30e-05
13	9	9.30e-03	-0.08	0.04	8.56e-04	-7.26e-05	-6.60e-05
14	1	1.35e-05	1.24e-03	-0.22	1.51e-04	8.36e-06	-1.68e-06
14	8	-0.56	5.33e-03	0.03	2.90e-05	-6.48e-04	3.31e-05
14	9	0.02	-0.77	0.04	2.01e-03	-3.69e-05	2.29e-04
15	1	1.19e-04	1.55e-04	-0.21	-5.14e-06	1.31e-05	0.0
15	8	-0.13	7.21e-03	0.16	2.65e-04	-4.27e-04	8.13e-05
15	9	9.72e-03	-0.11	0.11	2.36e-04	-1.55e-04	-4.36e-05
16	1	4.31e-05	1.50e-04	-0.21	9.16e-05	-6.23e-05	1.29e-05
16	8	-0.56	0.01	0.16	1.72e-04	-7.27e-04	-3.43e-04
16	9	0.02	-0.53	0.11	4.04e-04	-9.17e-05	2.97e-04

17	1	8.91e-04	9.49e-05	-0.22	1.96e-05	3.35e-06	2.10e-06
17	8	-0.08	6.95e-03	0.05	1.25e-04	-9.66e-04	8.96e-05
17	9	2.41e-03	-0.11	0.04	1.69e-04	-4.07e-05	4.46e-06
18	1	0.01	5.47e-05	-0.22	2.26e-06	-3.47e-04	2.85e-05
18	8	-0.85	0.01	0.05	7.72e-05	-1.62e-03	-4.38e-04
18	9	0.02	-0.53	0.04	6.20e-04	-5.71e-05	-6.33e-05
19	1	1.35e-03	0.0	-0.22	0.0	9.81e-06	0.0
19	7	-0.06	-6.37e-03	0.02	-4.83e-06	-1.12e-03	-1.79e-05
19	9	-2.74e-05	-0.11	1.54e-04	1.28e-04	0.0	-5.63e-06
20	1	0.01	-6.71e-06	-0.23	0.0	-4.82e-04	0.0
20	7	-0.91	-0.02	0.02	9.63e-06	-1.66e-03	-1.43e-04
20	9	-3.69e-04	-0.52	1.56e-04	5.59e-04	1.29e-06	2.39e-05
21	1	8.89e-04	-9.59e-05	-0.22	-1.95e-05	3.25e-06	-2.11e-06
21	7	-0.08	-6.92e-03	0.05	-1.25e-04	-9.65e-04	-8.98e-05
21	9	-2.45e-03	-0.11	-0.04	1.70e-04	4.07e-05	4.50e-06
22	1	0.01	-6.59e-05	-0.22	-2.71e-06	-3.46e-04	-2.86e-05
22	7	-0.85	-0.01	0.05	-7.78e-05	-1.62e-03	4.41e-04
22	9	-0.02	-0.53	-0.04	6.19e-04	5.72e-05	-6.32e-05
23	1	1.18e-04	-1.56e-04	-0.21	4.85e-06	1.32e-05	0.0
23	7	-0.13	-7.20e-03	0.16	-2.65e-04	-4.27e-04	-8.14e-05
23	9	-9.76e-03	-0.11	-0.11	2.38e-04	1.56e-04	-4.36e-05
24	1	5.27e-05	-1.64e-04	-0.21	-9.06e-05	-6.22e-05	-1.28e-05
24	7	-0.56	-9.87e-03	0.16	-1.73e-04	-7.27e-04	3.43e-04
24	9	-0.02	-0.53	-0.11	4.05e-04	9.15e-05	2.98e-04
25	1	3.97e-05	-1.75e-03	-0.21	3.00e-05	-7.51e-06	3.15e-06
25	7	-0.13	4.29e-03	0.03	-6.16e-05	-2.31e-04	1.31e-05
25	9	-9.34e-03	-0.08	-0.04	8.57e-04	7.31e-05	-6.60e-05
26	1	2.26e-05	-1.26e-03	-0.22	-1.51e-04	8.39e-06	1.75e-06
26	7	-0.56	-5.00e-03	0.03	-2.98e-05	-6.48e-04	-3.29e-05
26	9	-0.02	-0.77	-0.04	2.01e-03	3.74e-05	2.29e-04
27	1	-3.62e-05	-1.74e-03	-0.21	3.00e-05	7.18e-06	-3.18e-06
27	7	-0.13	-4.34e-03	-0.03	6.24e-05	-2.32e-04	1.28e-05
27	10	9.11e-03	-0.08	-0.04	8.56e-04	-7.34e-05	6.60e-05
28	1	-7.81e-05	-1.27e-03	-0.22	-1.50e-04	-8.38e-06	-1.84e-06
28	7	-0.56	5.03e-03	-0.03	3.01e-05	-6.47e-04	-3.40e-05
28	10	0.02	-0.77	-0.04	2.00e-03	-3.75e-05	-2.36e-04
29	1	8.27e-04	-2.71e-03	0.0	0.0	0.0	0.0
29	7	-0.56	6.06e-04	0.0	0.0	0.0	0.0
29	10	0.07	-0.79	0.0	0.0	0.0	0.0
30	1	-5.81e-04	-2.04e-03	0.0	0.0	0.0	0.0
30	7	-0.56	3.20e-03	0.0	0.0	0.0	0.0
30	10	0.03	-0.79	0.0	0.0	0.0	0.0
31	1	-4.88e-04	-1.47e-03	0.0	0.0	0.0	0.0
31	7	-0.56	7.25e-03	0.0	0.0	0.0	0.0
31	10	-0.02	-0.75	0.0	0.0	0.0	0.0
32	1	5.17e-04	-1.89e-03	0.0	0.0	0.0	0.0
32	7	-0.57	0.02	0.0	0.0	0.0	0.0
32	10	-0.05	-0.69	0.0	0.0	0.0	0.0
33	1	-8.02e-04	-1.08e-03	0.0	0.0	0.0	0.0
33	7	-0.57	0.02	0.0	0.0	0.0	0.0
33	10	-0.08	-0.60	0.0	0.0	0.0	0.0
34	1	-3.38e-03	3.39e-03	0.0	0.0	0.0	0.0
34	8	-0.49	-0.06	0.0	0.0	0.0	0.0
34	9	-0.02	-0.52	0.0	0.0	0.0	0.0
35	1	3.28e-03	3.39e-03	0.0	0.0	0.0	0.0
35	8	-0.49	0.06	0.0	0.0	0.0	0.0
35	10	0.02	-0.52	0.0	0.0	0.0	0.0
36	1	-3.35e-03	-3.39e-03	0.0	0.0	0.0	0.0
36	7	-0.49	0.06	0.0	0.0	0.0	0.0
36	9	0.02	-0.52	0.0	0.0	0.0	0.0
37	1	3.28e-03	-3.39e-03	0.0	0.0	0.0	0.0
37	7	-0.49	-0.06	0.0	0.0	0.0	0.0
37	10	-0.02	-0.52	0.0	0.0	0.0	0.0
38	7	-0.56	0.06	0.27	-6.83e-05	-7.03e-04	4.12e-04
38	9	-0.02	-0.52	-0.12	-6.84e-05	9.02e-05	1.10e-04
39	7	-0.68	-0.06	-0.20	7.61e-04	-5.61e-04	4.93e-04
39	10	0.03	-0.53	-0.15	-3.55e-05	-4.70e-04	-1.84e-05
40	7	-0.89	-0.02	-0.21	4.10e-04	-1.12e-03	2.68e-04
40	10	0.01	-0.53	-0.01	5.79e-05	-5.52e-05	3.60e-05
41	7	-0.56	-0.06	-0.27	6.84e-05	-7.03e-04	4.13e-04
41	10	0.02	-0.52	-0.12	-6.66e-05	-9.19e-05	-1.08e-04
42	3	-0.06	-1.99e-03	0.20	-1.03e-04	2.02e-03	0.0
42	7	-0.94	0.01	-0.18	-2.14e-05	-1.02e-03	4.92e-05
42	10	6.84e-03	-0.53	-0.02	-2.24e-04	-5.48e-05	3.60e-05
43	7	-0.91	0.04	-0.27	-6.02e-05	-1.64e-03	-1.23e-04
43	10	2.34e-04	-0.53	2.17e-04	4.61e-04	-1.05e-06	4.89e-05
44	3	-0.06	2.21e-03	0.20	1.01e-04	2.02e-03	0.0

44	8	-0.94	-0.01	-0.18	2.10e-05	-1.02e-03	-4.95e-05
44	10	-7.07e-03	-0.53	0.02	-2.27e-04	5.39e-05	3.57e-05
45	8	-0.89	0.02	-0.22	-4.08e-04	-1.13e-03	-2.68e-04
45	10	-0.01	-0.53	0.01	6.62e-05	5.52e-05	3.58e-05
46	8	-0.81	0.04	-0.22	-4.41e-04	-1.00e-03	-3.91e-04
46	10	-0.02	-0.53	0.10	2.56e-04	1.86e-04	3.08e-05
47	8	-0.68	0.06	-0.20	-7.64e-04	-5.59e-04	-4.93e-04
47	10	-0.03	-0.53	0.15	-3.58e-05	4.70e-04	-1.90e-05
48	8	-0.56	0.06	-0.27	-6.85e-05	-7.04e-04	-4.12e-04
48	10	-0.02	-0.52	0.12	-6.91e-05	9.15e-05	-1.09e-04
49	8	-0.56	-3.95e-04	4.03e-04	-1.75e-06	1.60e-04	5.22e-05
49	10	-0.04	-0.79	0.33	1.98e-03	2.50e-05	1.30e-04
50	8	-0.56	-0.02	-0.13	-2.02e-04	-1.93e-04	2.33e-05
50	10	0.07	-0.60	0.21	7.64e-04	2.45e-04	-5.86e-04
51	8	-0.56	2.82e-03	-2.58e-03	1.60e-05	-7.81e-05	5.83e-05
51	9	-0.02	-0.79	0.34	1.99e-03	-6.85e-05	1.02e-04
52	8	-0.57	-6.90e-03	-0.07	-8.80e-05	-3.43e-04	8.01e-05
52	10	0.03	-0.75	0.31	1.78e-03	4.80e-05	-3.28e-04
53	8	-0.57	6.84e-03	0.07	7.95e-05	-3.71e-04	7.88e-05
53	9	-0.03	-0.76	0.32	1.82e-03	-3.89e-05	3.10e-04
54	1	1.25e-03	8.07e-05	-0.20	8.42e-05	6.76e-05	-8.99e-06
54	8	-0.52	-9.63e-03	-0.19	-1.71e-04	-5.23e-04	-2.28e-04
54	10	0.03	-0.53	0.17	3.73e-04	9.30e-05	-2.98e-04
55	8	-0.57	0.01	0.12	1.82e-04	3.59e-05	9.23e-05
55	9	-0.06	-0.70	0.26	1.27e-03	-1.75e-04	5.18e-04
56	8	-0.56	-2.72e-03	1.93e-03	-1.72e-05	-1.04e-04	5.93e-05
56	10	0.02	-0.78	0.34	1.98e-03	6.94e-05	-1.21e-04
57	8	-0.56	0.02	0.13	2.03e-04	-1.74e-04	2.72e-05
57	9	-0.07	-0.61	0.21	7.97e-04	-2.47e-04	5.92e-04
58	8	-0.57	-0.01	-0.12	-1.86e-04	3.42e-05	9.22e-05
58	10	0.06	-0.69	0.25	1.23e-03	1.81e-04	-5.32e-04
59	1	1.00e-03	-1.88e-03	0.0	0.0	0.0	0.0
59	7	-0.57	-0.01	0.0	0.0	0.0	0.0
59	9	0.08	-0.70	0.0	0.0	0.0	0.0
60	8	-0.81	-0.04	0.22	4.40e-04	-1.00e-03	-3.91e-04
60	9	0.02	-0.53	0.10	2.57e-04	-1.87e-04	-3.19e-05
61	7	-0.57	6.75e-03	-0.07	8.32e-05	-2.72e-04	-1.21e-04
61	10	-0.04	-0.75	-0.31	1.78e-03	1.01e-04	-4.12e-04
62	8	-0.56	-0.06	0.27	6.85e-05	-7.03e-04	-4.12e-04
62	9	0.02	-0.52	0.12	-6.89e-05	-9.04e-05	1.09e-04
63	7	-0.89	0.02	0.21	-4.11e-04	-1.12e-03	2.68e-04
63	9	-0.01	-0.53	-0.01	5.88e-05	5.51e-05	-3.65e-05
64	7	-0.57	-2.71e-03	-2.21e-03	-1.70e-05	4.27e-05	-8.32e-05
64	9	-0.03	-0.79	-0.34	1.99e-03	2.23e-04	2.12e-05
65	3	0.06	-2.16e-03	0.20	-1.02e-04	-2.02e-03	0.0
65	7	-0.94	-9.99e-03	0.18	2.17e-05	-1.02e-03	4.91e-05
65	9	-7.24e-03	-0.53	-0.02	-2.23e-04	5.47e-05	-3.68e-05
66	1	8.56e-04	-2.07e-03	0.0	0.0	0.0	0.0
66	7	-0.56	2.12e-03	0.0	0.0	0.0	0.0
66	9	0.02	-0.79	0.0	0.0	0.0	0.0
67	7	-0.57	-6.71e-03	0.07	-8.93e-05	-3.44e-04	-9.65e-05
67	9	0.02	-0.76	-0.32	1.82e-03	1.81e-04	2.25e-04
68	7	-0.57	2.64e-03	2.57e-03	-2.10e-05	-5.36e-05	-9.12e-05
68	10	-0.02	-0.78	-0.34	1.99e-03	9.43e-05	-2.15e-04
69	1	2.12e-05	1.32e-03	-0.22	1.77e-04	3.26e-05	2.77e-06
69	8	-0.56	6.78e-03	0.06	7.49e-05	-4.60e-04	2.79e-05
69	9	0.02	-0.76	0.05	1.81e-03	-8.19e-05	2.84e-04
70	7	-0.57	-0.01	0.12	-1.91e-04	3.56e-05	-1.19e-04
70	9	0.05	-0.70	-0.26	1.27e-03	3.19e-04	4.34e-04
71	7	-0.81	-0.04	-0.22	4.39e-04	-1.01e-03	3.91e-04
71	10	0.02	-0.53	-0.10	2.62e-04	-1.85e-04	3.14e-05
72	1	-1.30e-03	-7.87e-05	-0.20	-8.35e-05	-6.90e-05	-8.83e-06
72	7	-0.52	-9.71e-03	0.19	-1.70e-04	-5.16e-04	2.26e-04
72	9	0.03	-0.53	-0.17	3.73e-04	8.20e-05	3.05e-04
73	1	1.27e-03	-9.30e-05	-0.20	-8.35e-05	6.73e-05	9.04e-06
73	7	-0.52	9.57e-03	-0.19	1.67e-04	-5.23e-04	2.31e-04
73	10	-0.03	-0.53	-0.17	3.69e-04	-9.40e-05	-2.95e-04
74	8	-0.89	-0.02	0.22	4.09e-04	-1.13e-03	-2.68e-04
74	9	0.01	-0.53	0.01	6.65e-05	-5.55e-05	-3.69e-05
75	3	0.06	2.04e-03	0.20	1.02e-04	-2.02e-03	0.0
75	8	-0.94	0.01	0.18	-2.11e-05	-1.02e-03	-4.95e-05
75	9	6.98e-03	-0.53	0.02	-2.26e-04	-5.39e-05	-3.68e-05
76	7	-0.55	0.02	-0.13	2.07e-04	-2.99e-04	5.25e-05
76	10	-0.07	-0.60	-0.21	7.76e-04	-3.03e-04	-5.52e-04
77	7	-0.91	-0.04	0.27	5.99e-05	-1.64e-03	-1.23e-04
77	9	-3.69e-04	-0.53	3.05e-04	4.61e-04	1.32e-06	-4.95e-05
78	8	-0.68	-0.06	0.20	7.64e-04	-5.59e-04	-4.93e-04

78	9	0.04	-0.53	0.15	-3.63e-05	-4.71e-04	1.81e-05
79	7	-0.68	0.06	0.20	-7.62e-04	-5.61e-04	4.93e-04
79	9	-0.04	-0.53	-0.15	-3.68e-05	4.71e-04	1.84e-05
80	7	-0.57	-1.63e-04	1.56e-03	-9.68e-06	2.10e-04	-8.08e-05
80	10	0.03	-0.79	-0.33	1.98e-03	1.70e-04	-2.43e-05
81	7	-0.58	0.01	-0.12	1.78e-04	4.08e-05	-1.28e-04
81	10	-0.08	-0.69	-0.25	1.23e-03	-3.74e-05	-6.24e-04
82	7	-0.81	0.04	0.22	-4.39e-04	-1.01e-03	3.91e-04
82	9	-0.02	-0.53	-0.10	2.63e-04	1.85e-04	-3.17e-05
83	1	-1.31e-03	6.23e-05	-0.20	8.45e-05	-6.91e-05	8.88e-06
83	8	-0.52	9.98e-03	0.19	1.68e-04	-5.16e-04	-2.26e-04
83	9	-0.03	-0.53	0.17	3.73e-04	-8.26e-05	3.04e-04
84	7	-0.56	-0.02	0.13	-2.07e-04	-1.49e-04	-4.27e-05
84	9	0.07	-0.61	-0.21	8.09e-04	2.44e-04	5.96e-04
85	1	5.98e-05	-1.03e-03	-0.22	-1.40e-04	-3.53e-05	1.03e-05
85	7	-0.56	-0.02	0.10	-1.96e-04	-1.77e-04	-2.21e-05
85	9	-0.02	-0.61	-0.09	7.87e-04	1.67e-04	6.41e-04
86	1	4.99e-05	-1.80e-03	-0.22	-1.78e-04	2.76e-05	0.0
86	7	-0.56	-0.01	0.09	-1.74e-04	-1.08e-04	-4.85e-05
86	9	-0.02	-0.70	-0.07	1.26e-03	1.70e-04	5.20e-04
87	1	3.01e-05	-1.33e-03	-0.22	-1.76e-04	3.25e-05	-2.80e-06
87	7	-0.56	-6.43e-03	0.06	-7.63e-05	-4.61e-04	-2.81e-05
87	9	-0.02	-0.76	-0.05	1.81e-03	8.27e-05	2.82e-04
88	1	3.51e-06	-1.98e-03	-0.22	-2.22e-04	-2.63e-05	7.83e-06
88	7	-0.56	-2.55e-03	-3.01e-03	-1.40e-05	-1.71e-04	1.05e-05
88	9	-0.03	-0.79	-0.04	1.98e-03	3.65e-05	1.21e-04
89	1	-2.87e-05	-2.60e-03	-0.22	-2.49e-04	0.0	0.0
89	7	-0.56	1.42e-04	5.89e-04	4.22e-06	7.25e-05	1.12e-05
89	10	0.03	-0.79	-0.04	1.96e-03	-1.97e-05	1.26e-04
90	1	-6.07e-05	-1.92e-03	-0.22	-2.19e-04	2.57e-05	-7.84e-06
90	7	-0.56	2.79e-03	2.39e-03	1.85e-05	-1.99e-04	1.04e-05
90	10	0.02	-0.78	-0.04	1.97e-03	-3.70e-05	-1.42e-04
91	1	-8.69e-05	-1.37e-03	-0.22	-1.78e-04	-3.53e-05	3.34e-06
91	7	-0.56	6.82e-03	-0.06	8.39e-05	-4.30e-04	-2.99e-05
91	10	0.02	-0.75	-0.05	1.77e-03	-8.98e-05	-3.03e-04
92	1	-1.07e-04	-1.79e-03	-0.22	-1.77e-04	-2.45e-05	0.0
92	7	-0.56	0.01	-0.09	1.76e-04	-1.02e-04	-5.25e-05
92	10	0.02	-0.69	-0.07	1.22e-03	-1.70e-04	-5.43e-04
93	1	-1.16e-04	-9.63e-04	-0.22	-1.37e-04	3.85e-05	-1.02e-05
93	7	-0.56	0.02	-0.10	1.95e-04	-1.99e-04	-1.24e-05
93	10	0.02	-0.60	-0.09	7.52e-04	-1.64e-04	-6.33e-04
94	1	5.22e-03	-1.58e-03	-0.26	-1.60e-04	-1.54e-04	-1.16e-05
94	7	-0.69	-0.02	0.06	-1.29e-04	-2.86e-04	5.68e-05
94	9	-0.04	-0.62	0.04	4.75e-04	7.60e-04	6.98e-04
95	1	3.49e-03	-2.70e-03	-0.27	-2.35e-04	-9.92e-05	-9.32e-06
95	7	-0.70	-0.01	0.04	-2.32e-04	-1.54e-04	7.16e-05
95	9	-0.04	-0.70	0.16	1.08e-03	7.81e-04	5.55e-04
96	1	2.11e-03	-3.44e-03	-0.28	-3.03e-04	-5.76e-05	-6.19e-06
96	7	-0.70	-8.03e-03	0.03	-1.70e-04	-1.03e-04	9.90e-05
96	9	-0.04	-0.76	0.27	1.57e-03	6.05e-04	3.47e-04
97	7	-0.70	-2.25e-03	0.01	4.25e-05	-8.66e-05	1.08e-04
97	9	-0.03	-0.79	0.34	1.90e-03	3.12e-04	1.11e-04
98	7	-0.70	-1.35e-04	8.18e-04	-5.65e-06	-8.20e-05	9.91e-05
98	10	0.02	-0.78	0.36	1.99e-03	-9.20e-06	1.17e-04
99	7	-0.70	2.56e-03	-0.01	-4.51e-05	-8.71e-05	1.08e-04
99	10	0.03	-0.79	0.33	1.88e-03	-3.36e-04	-1.31e-04
100	1	-2.21e-03	-3.41e-03	-0.28	-3.00e-04	5.97e-05	6.39e-06
100	7	-0.70	8.49e-03	-0.03	1.81e-04	-1.06e-04	9.78e-05
100	10	0.04	-0.76	0.26	1.54e-03	-6.22e-04	-3.67e-04
101	1	-3.62e-03	-2.65e-03	-0.27	-2.31e-04	1.03e-04	9.41e-06
101	7	-0.69	0.01	-0.04	2.29e-04	-1.62e-04	6.78e-05
101	10	0.04	-0.69	0.15	1.04e-03	-7.85e-04	-5.70e-04
102	1	-5.36e-03	-1.50e-03	-0.26	-1.55e-04	1.58e-04	1.22e-05
102	7	-0.69	0.02	-0.07	1.21e-04	-3.01e-04	6.62e-05
102	10	0.04	-0.61	0.03	4.32e-04	-7.48e-04	-6.91e-04
103	3	0.05	-2.83e-03	-0.36	-2.74e-04	-1.80e-03	-3.24e-05
103	7	-0.82	-0.02	-0.05	-5.22e-05	-5.25e-04	-5.74e-05
103	9	-0.02	-0.62	-0.06	1.44e-04	1.71e-04	7.91e-04
104	3	0.05	-4.55e-03	-0.64	-4.10e-04	-1.77e-03	-1.53e-05
104	7	-0.83	-0.01	-0.09	-1.22e-04	-1.63e-04	-5.12e-05
104	9	-0.02	-0.70	-0.05	8.74e-04	1.63e-04	6.60e-04
105	3	0.04	-5.22e-03	-0.88	-4.98e-04	-1.37e-03	-1.20e-05
105	7	-0.84	-7.34e-03	-0.09	-1.07e-04	1.14e-04	-2.04e-05
105	9	-0.02	-0.76	-0.05	1.44e-03	1.31e-04	4.04e-04
106	3	0.02	-5.60e-03	-1.05	-5.43e-04	-7.31e-04	-3.41e-06
106	7	-0.85	-2.99e-03	-0.05	-2.73e-05	2.87e-04	1.55e-05
106	9	-0.02	-0.79	-0.06	1.79e-03	7.83e-05	1.32e-04

107	3	-4.49e-04	-5.85e-03	-1.10	-5.54e-04	2.71e-05	0.0
107	7	-0.85	1.54e-04	2.12e-03	4.62e-06	3.44e-04	-1.94e-05
107	10	0.02	-0.79	-0.06	1.89e-03	-2.39e-05	1.32e-04
108	3	-0.02	-5.54e-03	-1.04	-5.45e-04	7.82e-04	2.84e-06
108	7	-0.85	3.30e-03	0.05	3.40e-05	2.78e-04	1.52e-05
108	10	0.02	-0.79	-0.06	1.77e-03	-8.26e-05	-1.55e-04
109	3	-0.04	-5.09e-03	-0.87	-4.99e-04	1.41e-03	1.17e-05
109	7	-0.84	7.72e-03	0.09	1.13e-04	9.79e-05	-2.19e-05
109	10	0.02	-0.76	-0.05	1.40e-03	-1.34e-04	-4.27e-04
110	3	-0.05	-4.37e-03	-0.62	-4.11e-04	1.79e-03	1.48e-05
110	7	-0.83	0.01	0.09	1.17e-04	-1.86e-04	-5.52e-05
110	10	0.02	-0.70	-0.05	8.19e-04	-1.64e-04	-6.79e-04
111	3	-0.05	-2.45e-03	-0.34	-2.69e-04	1.78e-03	3.43e-05
111	7	-0.82	0.02	0.04	5.81e-05	-5.53e-04	-4.55e-05
111	10	0.02	-0.61	-0.06	1.05e-04	-1.71e-04	-7.76e-04
112	3	0.07	-2.01e-03	-0.43	-1.94e-04	-2.20e-03	7.03e-06
112	7	-0.91	-0.01	-0.08	6.81e-05	-5.69e-04	-6.53e-05
112	9	-0.02	-0.62	0.01	-1.09e-04	9.46e-05	7.91e-04
113	3	0.06	-2.81e-03	-0.76	-2.58e-04	-2.10e-03	-1.24e-05
113	7	-0.92	-0.01	-0.12	-7.39e-05	-1.45e-04	-4.17e-05
113	9	-0.02	-0.71	0.03	7.22e-04	1.04e-04	6.67e-04
114	3	0.05	-3.30e-03	-1.05	-3.20e-04	-1.61e-03	-7.94e-06
114	7	-0.93	-7.14e-03	-0.11	-7.41e-05	1.81e-04	-2.28e-05
114	9	-0.02	-0.76	0.04	1.33e-03	8.79e-05	4.08e-04
115	3	0.03	-3.55e-03	-1.23	-3.50e-04	-8.51e-04	-2.62e-06
115	7	-0.94	-3.29e-03	-0.07	-2.97e-05	3.85e-04	-1.78e-05
115	9	-0.01	-0.79	0.05	1.70e-03	5.17e-05	1.32e-04
116	3	-6.35e-04	-3.70e-03	-1.30	-3.59e-04	3.12e-05	0.0
116	7	-0.94	1.64e-04	2.70e-03	3.94e-06	4.52e-04	-1.89e-05
116	10	0.01	-0.79	0.06	1.81e-03	-1.13e-05	1.31e-04
117	3	-0.03	-3.48e-03	-1.23	-3.51e-04	9.09e-04	1.98e-06
117	7	-0.94	3.59e-03	0.07	3.44e-05	3.75e-04	-1.77e-05
117	10	0.01	-0.79	0.05	1.68e-03	-5.46e-05	-1.55e-04
118	3	-0.05	-3.17e-03	-1.03	-3.21e-04	1.65e-03	7.55e-06
118	7	-0.93	7.48e-03	0.12	7.74e-05	1.62e-04	-2.40e-05
118	10	0.01	-0.76	0.04	1.29e-03	-8.98e-05	-4.31e-04
119	3	-0.06	-2.61e-03	-0.74	-2.59e-04	2.12e-03	1.18e-05
119	7	-0.92	0.01	0.12	7.03e-05	-1.72e-04	-4.46e-05
119	10	0.01	-0.70	0.03	6.63e-04	-1.05e-04	-6.85e-04
120	3	-0.07	-1.70e-03	-0.40	-1.93e-04	2.19e-03	-5.63e-06
120	7	-0.91	0.02	0.07	-7.45e-05	-6.02e-04	-5.66e-05
120	10	0.01	-0.62	0.01	-1.35e-04	-9.29e-05	-7.75e-04
121	3	0.07	-8.18e-04	-0.48	-7.51e-05	-2.43e-03	-2.14e-05
121	7	-0.95	-0.01	-0.08	-2.79e-05	-5.17e-04	-1.68e-05
121	9	-6.75e-03	-0.62	-0.03	-1.81e-04	1.20e-04	8.18e-04
122	3	0.07	-1.52e-03	-0.84	-1.31e-04	-2.27e-03	-4.35e-06
122	7	-0.97	-0.01	-0.12	-5.25e-05	-1.23e-04	-3.20e-05
122	9	-6.78e-03	-0.71	-0.05	6.39e-04	1.34e-04	6.65e-04
123	3	0.05	-1.67e-03	-1.15	-1.57e-04	-1.71e-03	-4.07e-06
123	7	-0.98	-7.05e-03	-0.11	-5.12e-05	1.88e-04	-2.25e-05
123	9	-6.76e-03	-0.76	-0.07	1.26e-03	1.09e-04	4.11e-04
124	3	0.03	-1.79e-03	-1.35	-1.74e-04	-9.04e-04	-1.54e-06
124	7	-0.98	-3.39e-03	-0.06	-2.36e-05	3.87e-04	-1.98e-05
124	9	-6.85e-03	-0.79	-0.08	1.64e-03	5.89e-05	1.32e-04
125	3	-7.24e-04	-1.85e-03	-1.41	-1.78e-04	3.30e-05	0.0
125	7	-0.98	1.69e-04	3.04e-03	3.28e-06	4.52e-04	-2.03e-05
125	10	6.85e-03	-0.79	-0.09	1.75e-03	-8.73e-06	1.31e-04
126	3	-0.03	-1.72e-03	-1.34	-1.75e-04	9.66e-04	0.0
126	7	-0.98	3.70e-03	0.07	2.70e-05	3.76e-04	-1.98e-05
126	10	6.43e-03	-0.79	-0.08	1.62e-03	-6.32e-05	-1.56e-04
127	3	-0.05	-1.54e-03	-1.13	-1.60e-04	1.76e-03	3.54e-06
127	7	-0.98	7.38e-03	0.12	5.38e-05	1.69e-04	-2.32e-05
127	10	6.39e-03	-0.76	-0.07	1.22e-03	-1.12e-04	-4.34e-04
128	3	-0.07	-1.32e-03	-0.82	-1.33e-04	2.29e-03	4.13e-06
128	7	-0.97	0.01	0.12	5.20e-05	-1.50e-04	-3.32e-05
128	10	6.42e-03	-0.70	-0.05	5.80e-04	-1.34e-04	-6.82e-04
129	3	-0.07	-5.23e-04	-0.45	-7.39e-05	2.43e-03	2.16e-05
129	7	-0.95	0.01	0.08	2.78e-05	-5.48e-04	-1.45e-05
129	10	6.39e-03	-0.62	-0.03	-2.18e-04	-1.18e-04	-8.04e-04
130	3	0.06	-1.35e-04	-0.39	1.17e-06	-1.97e-03	0.0
130	7	-0.94	-0.01	-0.16	-1.01e-04	-8.04e-04	-1.78e-05
130	9	-3.68e-04	-0.62	3.09e-04	-1.44e-04	-2.19e-06	7.29e-04
131	3	0.06	-1.17e-04	-0.70	1.53e-06	-1.95e-03	0.0
131	7	-0.96	-0.01	-0.22	-6.63e-05	-1.53e-04	-1.76e-05
131	9	-3.79e-04	-0.71	6.66e-04	5.98e-04	-2.37e-06	6.73e-04
132	3	0.05	-8.01e-05	-0.96	1.02e-06	-1.52e-03	0.0
132	7	-0.97	-7.11e-03	-0.19	-3.91e-05	3.40e-04	-2.08e-05

132	9	-3.85e-04	-0.76	1.00e-03	1.24e-03	-1.96e-06	4.11e-04
133	3	0.03	-5.87e-05	-1.14	0.0	-8.12e-04	0.0
133	7	-0.98	-3.50e-03	-0.11	-1.81e-05	6.48e-04	-2.16e-05
133	9	-3.88e-04	-0.79	1.23e-03	1.62e-03	1.22e-06	1.32e-04
134	3	-6.98e-04	-3.69e-05	-1.20	0.0	2.94e-05	0.0
134	7	-0.99	1.73e-04	4.16e-03	2.68e-06	7.48e-04	-2.20e-05
134	10	2.56e-04	-0.79	1.33e-03	1.73e-03	0.0	1.31e-04
135	3	-0.03	8.49e-06	-1.13	-1.26e-06	8.66e-04	0.0
135	7	-0.98	3.81e-03	0.12	2.04e-05	6.33e-04	-2.15e-05
135	10	2.57e-04	-0.79	1.23e-03	1.60e-03	1.28e-06	-1.56e-04
136	3	-0.05	4.64e-05	-0.95	-1.84e-06	1.56e-03	0.0
136	7	-0.97	7.44e-03	0.20	4.18e-05	3.12e-04	-2.09e-05
136	10	2.56e-04	-0.76	9.88e-04	1.20e-03	2.02e-06	-4.35e-04
137	3	-0.06	6.76e-05	-0.67	-1.83e-06	1.97e-03	0.0
137	7	-0.96	0.01	0.22	6.98e-05	-1.93e-04	-1.76e-05
137	10	2.52e-04	-0.70	6.44e-04	5.38e-04	2.37e-06	-6.90e-04
138	3	-0.06	1.05e-04	-0.37	-1.08e-06	1.96e-03	0.0
138	7	-0.94	0.01	0.15	1.03e-04	-8.54e-04	-1.99e-05
138	10	2.44e-04	-0.62	2.91e-04	-1.69e-04	2.08e-06	-7.10e-04
139	3	0.07	5.65e-04	-0.48	7.89e-05	-2.44e-03	2.17e-05
139	8	-0.95	0.01	-0.08	2.91e-05	-5.17e-04	1.66e-05
139	9	6.53e-03	-0.62	0.03	-1.81e-04	-1.19e-04	8.18e-04
140	3	0.07	1.30e-03	-0.85	1.36e-04	-2.28e-03	3.90e-06
140	8	-0.97	0.01	-0.12	5.25e-05	-1.23e-04	3.17e-05
140	9	6.57e-03	-0.71	0.05	6.39e-04	-1.32e-04	6.65e-04
141	3	0.05	1.52e-03	-1.15	1.61e-04	-1.72e-03	3.37e-06
141	8	-0.98	7.42e-03	-0.11	5.02e-05	1.88e-04	2.27e-05
141	9	6.53e-03	-0.76	0.07	1.26e-03	-1.08e-04	4.11e-04
142	3	0.03	1.69e-03	-1.35	1.76e-04	-9.07e-04	0.0
142	8	-0.98	3.70e-03	-0.06	2.32e-05	3.87e-04	2.05e-05
142	9	6.60e-03	-0.79	0.08	1.64e-03	-5.83e-05	1.32e-04
143	3	-8.02e-04	1.79e-03	-1.42	1.79e-04	3.30e-05	0.0
143	8	-0.99	-3.85e-04	3.14e-03	-2.26e-06	4.52e-04	2.11e-05
143	10	-7.06e-03	-0.79	0.09	1.75e-03	8.94e-06	1.31e-04
144	3	-0.03	1.75e-03	-1.34	1.74e-04	9.69e-04	-1.84e-06
144	8	-0.98	-3.59e-03	0.07	-2.49e-05	3.76e-04	2.05e-05
144	10	-6.66e-03	-0.79	0.08	1.62e-03	6.26e-05	-1.56e-04
145	3	-0.05	1.65e-03	-1.13	1.58e-04	1.77e-03	-4.10e-06
145	8	-0.98	-7.30e-03	0.12	-5.16e-05	1.69e-04	2.30e-05
145	10	-6.61e-03	-0.76	0.07	1.22e-03	1.11e-04	-4.34e-04
146	3	-0.07	1.47e-03	-0.82	1.31e-04	2.30e-03	-4.48e-06
146	8	-0.97	-0.01	0.12	-5.11e-05	-1.50e-04	3.22e-05
146	10	-6.64e-03	-0.70	0.05	5.81e-04	1.33e-04	-6.82e-04
147	3	-0.07	7.43e-04	-0.46	7.26e-05	2.43e-03	-2.14e-05
147	8	-0.95	-0.01	0.08	-2.74e-05	-5.49e-04	1.51e-05
147	10	-6.61e-03	-0.62	0.03	-2.18e-04	1.17e-04	-8.04e-04
148	3	0.07	1.75e-03	-0.43	1.98e-04	-2.20e-03	-6.20e-06
148	8	-0.91	0.02	-0.08	-6.73e-05	-5.72e-04	6.49e-05
148	9	0.01	-0.62	-0.01	-1.08e-04	-9.44e-05	7.89e-04
149	3	0.06	2.59e-03	-0.76	2.63e-04	-2.10e-03	1.18e-05
149	8	-0.92	0.01	-0.12	7.34e-05	-1.45e-04	4.15e-05
149	9	0.02	-0.71	-0.03	7.21e-04	-1.04e-04	6.67e-04
150	3	0.05	3.16e-03	-1.05	3.23e-04	-1.60e-03	7.19e-06
150	8	-0.93	7.50e-03	-0.12	7.30e-05	1.83e-04	2.30e-05
150	9	0.01	-0.76	-0.04	1.33e-03	-8.76e-05	4.09e-04
151	3	0.03	3.44e-03	-1.23	3.52e-04	-8.51e-04	2.09e-06
151	8	-0.94	3.59e-03	-0.07	2.95e-05	3.88e-04	1.84e-05
151	9	0.01	-0.79	-0.05	1.70e-03	-5.15e-05	1.32e-04
152	3	-7.88e-04	3.64e-03	-1.30	3.60e-04	3.11e-05	0.0
152	8	-0.94	-3.86e-04	2.84e-03	-2.02e-06	4.55e-04	1.97e-05
152	10	-0.01	-0.79	-0.06	1.81e-03	1.14e-05	1.31e-04
153	3	-0.03	3.51e-03	-1.22	3.50e-04	9.08e-04	-3.03e-06
153	8	-0.94	-3.49e-03	0.07	-3.21e-05	3.78e-04	1.84e-05
153	10	-0.01	-0.79	-0.05	1.68e-03	5.45e-05	-1.55e-04
154	3	-0.05	3.28e-03	-1.03	3.19e-04	1.65e-03	-8.08e-06
154	8	-0.93	-7.40e-03	0.12	-7.51e-05	1.63e-04	2.38e-05
154	10	-0.01	-0.76	-0.04	1.29e-03	8.95e-05	-4.31e-04
155	3	-0.06	2.75e-03	-0.74	2.56e-04	2.12e-03	-1.21e-05
155	8	-0.92	-0.01	0.12	-6.91e-05	-1.73e-04	4.35e-05
155	10	-0.02	-0.70	-0.03	6.64e-04	1.04e-04	-6.84e-04
156	3	-0.07	1.92e-03	-0.40	1.91e-04	2.18e-03	5.41e-06
156	8	-0.91	-0.02	0.07	7.46e-05	-6.06e-04	5.70e-05
156	10	-0.01	-0.62	-0.01	-1.33e-04	9.26e-05	-7.74e-04
157	3	0.05	2.58e-03	-0.36	2.78e-04	-1.80e-03	3.34e-05
157	8	-0.82	0.02	-0.05	5.21e-05	-5.22e-04	5.67e-05
157	9	0.02	-0.62	0.06	1.42e-04	-1.71e-04	7.91e-04
158	3	0.05	4.35e-03	-0.64	4.16e-04	-1.78e-03	1.46e-05

158	8	-0.83	0.01	-0.09	1.21e-04	-1.63e-04	5.10e-05
158	9	0.02	-0.70	0.05	8.73e-04	-1.62e-04	6.61e-04
159	3	0.04	5.09e-03	-0.89	5.02e-04	-1.37e-03	1.11e-05
159	8	-0.84	7.71e-03	-0.09	1.06e-04	1.13e-04	2.06e-05
159	9	0.02	-0.76	0.05	1.44e-03	-1.31e-04	4.05e-04
160	3	0.02	5.50e-03	-1.05	5.45e-04	-7.33e-04	2.92e-06
160	8	-0.85	3.29e-03	-0.05	2.81e-05	2.84e-04	1.61e-05
160	9	0.02	-0.79	0.06	1.79e-03	-7.82e-05	1.32e-04
161	3	-6.76e-04	5.77e-03	-1.10	5.55e-04	2.69e-05	0.0
161	8	-0.85	-3.90e-04	2.00e-03	-1.83e-06	3.41e-04	2.02e-05
161	10	-0.02	-0.79	0.06	1.89e-03	2.40e-05	1.32e-04
162	3	-0.02	5.57e-03	-1.04	5.43e-04	7.82e-04	-3.95e-06
162	8	-0.85	-3.21e-03	0.05	-3.13e-05	2.76e-04	1.59e-05
162	10	-0.02	-0.79	0.06	1.77e-03	8.23e-05	-1.55e-04
163	3	-0.04	5.20e-03	-0.87	4.97e-04	1.41e-03	-1.22e-05
163	8	-0.84	-7.66e-03	0.09	-1.10e-04	9.67e-05	2.18e-05
163	10	-0.02	-0.76	0.05	1.40e-03	1.34e-04	-4.27e-04
164	3	-0.05	4.49e-03	-0.62	4.07e-04	1.79e-03	-1.52e-05
164	8	-0.83	-0.01	0.09	-1.16e-04	-1.86e-04	5.39e-05
164	10	-0.02	-0.70	0.05	8.20e-04	1.64e-04	-6.78e-04
165	3	-0.05	2.66e-03	-0.34	2.65e-04	1.79e-03	-3.47e-05
165	8	-0.82	-0.02	0.04	-5.80e-05	-5.51e-04	4.56e-05
165	10	-0.02	-0.61	0.06	1.06e-04	1.71e-04	-7.76e-04
166	1	5.22e-03	1.55e-03	-0.26	1.61e-04	-1.54e-04	1.18e-05
166	8	-0.69	0.02	0.06	1.27e-04	-2.85e-04	-5.72e-05
166	9	0.04	-0.62	-0.04	4.74e-04	-7.59e-04	6.97e-04
167	1	3.48e-03	2.65e-03	-0.27	2.36e-04	-9.89e-05	9.27e-06
167	8	-0.70	0.01	0.04	2.30e-04	-1.54e-04	-7.18e-05
167	9	0.04	-0.70	-0.16	1.08e-03	-7.80e-04	5.55e-04
168	1	2.10e-03	3.42e-03	-0.28	3.04e-04	-5.73e-05	6.11e-06
168	8	-0.70	8.40e-03	0.03	1.68e-04	-1.04e-04	-9.88e-05
168	9	0.04	-0.76	-0.27	1.57e-03	-6.04e-04	3.48e-04
169	8	-0.70	2.51e-03	0.01	-4.53e-05	-8.73e-05	-1.07e-04
169	9	0.03	-0.79	-0.34	1.90e-03	-3.12e-04	1.11e-04
170	8	-0.70	4.00e-04	4.54e-04	2.05e-06	-8.29e-05	-9.84e-05
170	10	-0.02	-0.78	-0.36	2.00e-03	8.87e-06	1.16e-04
171	8	-0.70	-2.49e-03	-0.01	4.31e-05	-8.85e-05	-1.07e-04
171	10	-0.03	-0.79	-0.33	1.88e-03	3.36e-04	-1.31e-04
172	1	-2.22e-03	3.39e-03	-0.28	3.01e-04	5.94e-05	-6.34e-06
172	8	-0.70	-8.45e-03	-0.03	-1.79e-04	-1.07e-04	-9.79e-05
172	10	-0.04	-0.76	-0.26	1.54e-03	6.21e-04	-3.67e-04
173	1	-3.63e-03	2.61e-03	-0.27	2.32e-04	1.02e-04	-9.37e-06
173	8	-0.69	-0.01	-0.04	-2.28e-04	-1.63e-04	-6.91e-05
173	10	-0.04	-0.69	-0.15	1.04e-03	7.85e-04	-5.69e-04
174	1	-5.37e-03	1.48e-03	-0.26	1.56e-04	1.58e-04	-1.23e-05
174	8	-0.69	-0.02	-0.07	-1.21e-04	-3.00e-04	-6.59e-05
174	10	-0.04	-0.61	-0.03	4.33e-04	7.49e-04	-6.91e-04
175	1	5.01e-05	9.98e-04	-0.22	1.41e-04	-3.55e-05	-1.01e-05
175	8	-0.56	0.02	0.10	1.94e-04	-1.77e-04	2.20e-05
175	9	0.02	-0.61	0.09	7.85e-04	-1.66e-04	6.39e-04
176	1	4.09e-05	1.74e-03	-0.22	1.79e-04	2.75e-05	0.0
176	8	-0.56	0.01	0.09	1.72e-04	-1.07e-04	4.82e-05
176	9	0.02	-0.70	0.07	1.26e-03	-1.68e-04	5.21e-04
177	1	-2.69e-04	-1.45e-03	0.0	0.0	0.0	0.0
177	7	-0.57	-5.91e-03	0.0	0.0	0.0	0.0
177	9	0.04	-0.76	0.0	0.0	0.0	0.0
178	1	-6.17e-06	1.94e-03	-0.22	2.22e-04	-2.63e-05	-7.55e-06
178	8	-0.56	2.84e-03	-2.91e-03	1.55e-05	-1.72e-04	-1.05e-05
178	9	0.03	-0.79	0.04	1.98e-03	-3.60e-05	1.21e-04
179	1	-3.76e-05	2.54e-03	-0.22	2.50e-04	0.0	0.0
179	8	-0.56	-3.94e-04	3.94e-04	-1.67e-06	7.24e-05	-1.11e-05
179	10	-0.03	-0.79	0.04	1.96e-03	2.01e-05	1.27e-04
180	1	-6.90e-05	1.89e-03	-0.22	2.19e-04	2.56e-05	7.57e-06
180	8	-0.56	-2.73e-03	2.49e-03	-1.67e-05	-1.99e-04	-1.05e-05
180	10	-0.02	-0.78	0.04	1.97e-03	3.72e-05	-1.40e-04
181	1	-9.61e-05	1.36e-03	-0.22	1.79e-04	-3.53e-05	-3.15e-06
181	8	-0.56	-6.82e-03	-0.06	-8.31e-05	-4.31e-04	2.96e-05
181	10	-0.02	-0.75	0.05	1.77e-03	9.00e-05	-3.03e-04
182	1	-1.16e-04	1.74e-03	-0.22	1.77e-04	-2.45e-05	0.0
182	8	-0.56	-0.01	-0.09	-1.76e-04	-1.03e-04	4.94e-05
182	10	-0.02	-0.69	0.07	1.22e-03	1.71e-04	-5.38e-04
183	1	-1.25e-04	9.44e-04	-0.22	1.38e-04	3.86e-05	1.00e-05
183	8	-0.56	-0.02	-0.10	-1.94e-04	-1.99e-04	1.39e-05
183	10	-0.02	-0.60	0.09	7.53e-04	1.64e-04	-6.33e-04
184	1	0.01	8.76e-05	-0.23	-3.97e-05	-4.55e-04	1.24e-05
184	8	-0.81	0.01	0.07	2.02e-04	-9.99e-04	-4.90e-04
184	9	0.02	-0.53	0.08	2.35e-04	-1.82e-04	-3.97e-05

185	1	0.02	5.06e-05	-0.23	5.44e-05	-6.15e-04	4.28e-05
185	8	-0.89	0.01	0.05	8.33e-05	-1.13e-03	-4.00e-04
185	9	0.01	-0.53	6.61e-03	1.43e-04	-5.30e-05	1.85e-05
186	1	0.02	2.65e-05	-0.23	-8.83e-06	-7.34e-04	-1.85e-05
186	8	-0.94	0.02	0.03	7.12e-05	-1.00e-03	3.31e-05
186	9	6.95e-03	-0.53	0.02	-1.22e-04	-5.46e-05	2.58e-05
187	1	6.81e-03	1.30e-04	-0.23	3.65e-05	-2.07e-04	3.73e-05
187	8	-0.68	0.01	0.12	2.66e-04	-5.62e-04	-6.94e-04
187	9	0.04	-0.53	0.08	-1.69e-05	-4.76e-04	1.42e-05
188	1	0.02	-3.91e-05	-0.23	9.86e-06	-7.34e-04	1.90e-05
188	7	-0.94	-0.02	0.03	-7.15e-05	-1.00e-03	-3.24e-05
188	9	-7.20e-03	-0.53	-0.02	-1.19e-04	5.53e-05	2.57e-05
189	1	0.02	-6.29e-05	-0.23	-5.49e-05	-6.18e-04	-4.27e-05
189	7	-0.89	-0.01	0.05	-8.39e-05	-1.12e-03	4.01e-04
189	9	-0.01	-0.53	-6.37e-03	1.35e-04	5.27e-05	1.86e-05
190	1	0.01	-9.85e-05	-0.23	3.88e-05	-4.53e-04	-1.25e-05
190	7	-0.81	-0.01	0.07	-2.01e-04	-1.01e-03	4.90e-04
190	9	-0.02	-0.53	-0.08	2.41e-04	1.81e-04	-3.94e-05
191	1	6.80e-03	-1.42e-04	-0.23	-3.57e-05	-2.07e-04	-3.71e-05
191	7	-0.68	-0.01	0.12	-2.66e-04	-5.65e-04	6.94e-04
191	9	-0.04	-0.53	-0.08	-1.79e-05	4.75e-04	1.47e-05
192	1	-0.01	9.98e-05	-0.23	-3.98e-05	4.55e-04	-1.25e-05
192	8	-0.81	-0.01	-0.07	-2.03e-04	-9.99e-04	-4.90e-04
192	10	-0.02	-0.53	0.08	2.35e-04	1.81e-04	3.83e-05
193	1	-0.02	6.10e-05	-0.23	5.44e-05	6.16e-04	-4.25e-05
193	8	-0.89	-0.01	-0.05	-8.41e-05	-1.13e-03	-4.00e-04
193	10	-0.01	-0.53	6.57e-03	1.43e-04	5.28e-05	-1.80e-05
194	1	-0.02	3.35e-05	-0.23	-8.81e-06	7.35e-04	1.83e-05
194	8	-0.94	-0.02	-0.03	-7.13e-05	-1.00e-03	3.32e-05
194	10	-7.04e-03	-0.53	0.02	-1.22e-04	5.45e-05	-2.60e-05
195	1	-6.85e-03	1.46e-04	-0.23	3.64e-05	2.07e-04	-3.72e-05
195	8	-0.68	-0.01	-0.12	-2.67e-04	-5.63e-04	-6.94e-04
195	10	-0.03	-0.53	0.08	-1.71e-05	4.75e-04	-1.69e-05
196	1	-0.02	-3.90e-05	-0.23	9.87e-06	7.34e-04	-1.89e-05
196	7	-0.94	0.02	-0.03	7.14e-05	-1.00e-03	-3.24e-05
196	10	6.80e-03	-0.53	-0.02	-1.19e-04	-5.54e-05	-2.58e-05
197	1	-0.02	-6.61e-05	-0.23	-5.49e-05	6.18e-04	4.25e-05
197	7	-0.89	0.01	-0.05	8.44e-05	-1.12e-03	4.00e-04
197	10	0.01	-0.53	-6.33e-03	1.35e-04	-5.28e-05	-1.80e-05
198	1	-0.01	-1.04e-04	-0.23	3.89e-05	4.53e-04	1.27e-05
198	7	-0.81	0.01	-0.07	2.01e-04	-1.01e-03	4.90e-04
198	10	0.02	-0.53	-0.08	2.41e-04	-1.80e-04	3.89e-05
199	1	-6.82e-03	-1.51e-04	-0.23	-3.56e-05	2.07e-04	3.70e-05
199	7	-0.68	0.01	-0.12	2.67e-04	-5.65e-04	6.93e-04
199	10	0.03	-0.53	-0.08	-1.67e-05	-4.74e-04	-1.66e-05

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.99	-0.79	-1.42	-7.64e-04	-2.44e-03	-8.04e-04
	0.08	0.06	0.36	2.01e-03	2.43e-03	8.18e-04

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

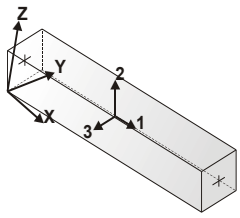
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

Pilas.	CDC	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	4	0.48	0.65	-2.02e-06	0.0	0.0	0.18	-0.29	0.39	0.02	-0.73	0.48
		-0.51	-0.73	1.10e-05	0.0	175.0	0.18	-0.29	0.39	0.02	-0.04	-0.01
						350.0	0.18	-0.29	0.39	0.02	0.65	-0.51
1	7	114.06	12.72	4.26e-03	0.0	0.0	-40.13	-60.19	7.82	4.60	-14.65	114.06
		-96.63	-14.65	9.46e-05	0.0	175.0	-40.13	-60.19	7.82	4.60	-0.97	8.71
						350.0	-40.13	-60.19	7.82	4.60	12.72	-96.63
1	10	22.27	55.31	-1.29e-04	0.0	0.0	-28.94	13.80	-30.62	-3.66	55.31	-26.02
		-26.02	-51.85	4.16e-03	0.0	175.0	-28.94	13.80	-30.62	-3.66	1.73	-1.87
						350.0	-28.94	13.80	-30.62	-3.66	-51.85	22.27
3	3	0.05	69.54	-1.41e-06	0.0	0.0	-61.22	0.03	27.42	-3.06e-03	-26.44	-0.04
		-0.04	-26.44	-1.11e-03	0.0	175.0	-61.22	0.03	27.42	-3.06e-03	21.55	5.48e-03
						350.0	-61.22	0.03	27.42	-3.06e-03	69.54	0.05
3	5	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	175.0	0.0	0.0	0.0	0.0	0.0	0.0
						350.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7	7.76	71.22	-1.15e-04	0.0	0.0	-11.31	4.82	44.56	-1.80	-84.77	-9.11
		-9.11	-84.77	-8.55e-03	0.0	175.0	-11.31	4.82	44.56	-1.80	-6.77	-0.68
						350.0	-11.31	4.82	44.56	-1.80	71.22	7.76
3	10	252.03	0.03	4.10e-03	0.0	0.0	-0.09	-131.65	-0.02	-0.29	0.03	252.03
		-208.76	-0.05	2.56e-06	0.0	175.0	-0.09	-131.65	-0.02	-0.29	-0.01	21.63
						350.0	-0.09	-131.65	-0.02	-0.29	-0.05	-208.76
4	1	2.14	19.71	9.24e-06	0.0	0.0	-59.66	1.72	8.74	-0.38	-10.89	-3.88
		-3.88	-10.89	-2.74e-04	0.0	175.0	-51.78	1.72	8.74	-0.38	4.41	-0.87
						350.0	-43.91	1.72	8.74	-0.38	19.71	2.14
4	8	34.27	58.12	6.95e-05	0.0	0.0	-16.17	-18.21	37.91	-7.52	-74.56	34.27
		-29.49	-74.56	-7.67e-03	0.0	175.0	-16.17	-18.21	37.91	-7.52	-8.22	2.39
						350.0	-16.17	-18.21	37.91	-7.52	58.12	-29.49
4	10	240.19	6.27	4.11e-03	0.0	0.0	14.13	-124.31	3.49	0.86	-5.97	240.19
		-194.91	-5.97	-1.59e-04	0.0	175.0	14.13	-124.31	3.49	0.86	0.15	22.64
						350.0	14.13	-124.31	3.49	0.86	6.27	-194.91
5	8	114.14	14.68	4.26e-03	0.0	0.0	-40.29	-60.25	-7.83	-4.58	14.68	114.14
		-96.73	-12.72	-9.50e-05	0.0	175.0	-40.29	-60.25	-7.83	-4.58	0.98	8.71
						350.0	-40.29	-60.25	-7.83	-4.58	-12.72	-96.73
5	10	25.99	55.36	1.29e-04	0.0	0.0	28.96	-13.78	-30.64	-3.69	55.36	25.99
		-22.25	-51.88	4.16e-03	0.0	175.0	28.96	-13.78	-30.64	-3.69	1.74	1.87
						350.0	28.96	-13.78	-30.64	-3.69	-51.88	-22.25
6	1	0.91	6.61	-6.56e-06	0.0	0.0	-47.61	0.07	2.48	-0.02	-2.06	0.66
		0.66	-2.06	-8.28e-05	0.0	175.0	-39.74	0.07	2.48	-0.02	2.27	0.78
						350.0	-31.86	0.07	2.48	-0.02	6.61	0.91
6	8	235.04	5.51	4.23e-03	0.0	0.0	-8.26	-122.38	-2.88	0.66	5.51	235.04
		-193.28	-4.58	9.57e-05	0.0	175.0	-8.26	-122.38	-2.88	0.66	0.46	20.88
						350.0	-8.26	-122.38	-2.88	0.66	-4.58	-193.28
6	10	26.85	54.56	1.48e-04	0.0	0.0	13.74	-14.21	-23.06	-4.33	54.56	26.85
		-22.90	-26.52	6.89e-03	0.0	175.0	13.74	-14.21	-23.06	-4.33	14.02	1.97
						350.0	13.74	-14.21	-23.06	-4.33	-26.52	-22.90
7	1	-0.67	6.65	7.10e-06	0.0	0.0	-47.69	-0.08	2.49	0.02	-2.08	-0.67
		-0.93	-2.08	-8.31e-05	0.0	175.0	-39.82	-0.08	2.49	0.02	2.28	-0.80
						350.0	-31.94	-0.08	2.49	0.02	6.65	-0.93
7	8	235.30	4.57	4.23e-03	0.0	0.0	8.40	-122.48	2.86	0.65	-5.46	235.30
		-193.39	-5.46	-9.80e-05	0.0	175.0	8.40	-122.48	2.86	0.65	-0.45	20.95
						350.0	8.40	-122.48	2.86	0.65	4.57	-193.39
7	9	23.10	54.69	-1.55e-04	0.0	0.0	13.75	14.34	-23.12	4.21	54.69	-27.09
		-27.09	-26.60	6.91e-03	0.0	175.0	13.75	14.34	-23.12	4.21	14.04	-1.99
						350.0	13.75	14.34	-23.12	4.21	-26.60	23.10
8	1	6.21	3.67	-3.52e-05	0.0	0.0	-35.77	2.29	1.52	0.14	-1.65	-1.82
		-1.82	-1.65	-4.83e-05	0.0	175.0	-29.21	2.29	1.52	0.14	1.01	2.19
						350.0	-22.64	2.29	1.52	0.14	3.67	6.21
8	8	114.33	12.73	4.26e-03	0.0	0.0	40.15	-60.34	7.83	-4.59	-14.68	114.33
		-96.85	-14.68	9.41e-05	0.0	175.0	40.15	-60.34	7.83	-4.59	-0.98	8.74
						350.0	40.15	-60.34	7.83	-4.59	12.73	-96.85
8	9	22.41	55.48	-1.35e-04	0.0	0.0	28.98	13.89	-30.70	3.70	55.48	-26.21
		-26.21	-51.96	4.17e-03	0.0	175.0	28.98	13.89	-30.70	3.70	1.76	-1.90
						350.0	28.98	13.89	-30.70	3.70	-51.96	22.41
9	1	2.14	10.88	9.31e-06	0.0	0.0	-59.55	1.72	-8.74	0.38	10.88	-3.89
		-3.89	-19.69	2.73e-04	0.0	175.0	-51.68	1.72	-8.74	0.38	-4.41	-0.87
						350.0	-43.80	1.72	-8.74	0.38	-19.69	2.14
9	8	29.51	58.15	-7.21e-05	0.0	0.0	16.19	18.24	37.92	-7.51	-74.59	-34.32
		-34.32	-74.59	-7.67e-03	0.0	175.0	16.19	18.24	37.92	-7.51	-8.22	-2.40
						350.0	16.19	18.24	37.92	-7.51	58.15	29.51
9	9	240.68	5.97	4.12e-03	0.0	0.0	14.14	-124.57	-3.50	-0.86	5.97	240.68
		-195.32	-6.28	1.60e-04	0.0	175.0	14.14	-124.57	-3.50	-0.86	-0.15	22.68
						350.0	14.14	-124.57	-3.50	-0.86	-6.28	-195.32
10	3	0.05	26.45	1.13e-06	0.0	0.0	-61.28	-0.01	-27.43	8.45e-03	26.45	0.05

		2.95e-03	-69.55	1.12e-03	0.0	175.0	-61.28	-0.01	-27.43	8.45e-03	-21.55	0.02
						350.0	-61.28	-0.01	-27.43	8.45e-03	-69.55	2.95e-03
10	7	9.07	71.23	1.15e-04	0.0	0.0	11.36	-4.80	44.57	-1.80	-84.78	9.07
		-7.73	-84.78	-8.55e-03	0.0	175.0	11.36	-4.80	44.57	-1.80	-6.77	0.67
						350.0	11.36	-4.80	44.57	-1.80	71.23	-7.73
10	9	252.47	0.05	4.10e-03	0.0	0.0	-0.09	-131.88	0.03	0.30	-0.04	252.47
		-209.10	-0.04	-3.42e-06	0.0	175.0	-0.09	-131.88	0.03	0.30	5.89e-03	21.68
						350.0	-0.09	-131.88	0.03	0.30	0.05	-209.10
11	1	3.90	10.85	-9.05e-06	0.0	0.0	-59.45	-1.75	-8.71	-0.38	10.85	3.90
		-2.22	-19.64	2.72e-04	0.0	175.0	-51.57	-1.75	-8.71	-0.38	-4.39	0.84
						350.0	-43.70	-1.75	-8.71	-0.38	-19.64	-2.22
11	7	34.29	58.04	6.96e-05	0.0	0.0	16.18	-18.22	37.85	7.55	-74.45	34.29
		-29.47	-74.45	-7.66e-03	0.0	175.0	16.18	-18.22	37.85	7.55	-8.21	2.41
						350.0	16.18	-18.22	37.85	7.55	58.04	-29.47
11	9	240.48	6.34	4.12e-03	0.0	0.0	-13.93	-124.49	3.53	-0.86	-6.04	240.48
		-195.24	-6.04	-1.63e-04	0.0	175.0	-13.93	-124.49	3.53	-0.86	0.15	22.62
						350.0	-13.93	-124.49	3.53	-0.86	6.34	-195.24
12	1	6.20	1.64	-3.52e-05	0.0	0.0	-35.70	2.29	-1.51	-0.14	1.64	-1.81
		-1.81	-3.64	4.78e-05	0.0	175.0	-29.14	2.29	-1.51	-0.14	-1.00	2.19
						350.0	-22.58	2.29	-1.51	-0.14	-3.64	6.20
12	7	114.24	14.65	4.26e-03	0.0	0.0	40.20	-60.29	-7.82	4.59	14.65	114.24
		-96.78	-12.72	-9.44e-05	0.0	175.0	40.20	-60.29	-7.82	4.59	0.96	8.73
						350.0	40.20	-60.29	-7.82	4.59	-12.72	-96.78
12	9	26.24	55.39	1.34e-04	0.0	0.0	-29.24	-13.89	-30.65	3.70	55.39	26.24
		-22.39	-51.89	4.17e-03	0.0	175.0	-29.24	-13.89	-30.65	3.70	1.75	1.93
						350.0	-29.24	-13.89	-30.65	3.70	-51.89	-22.39
13	1	-0.66	2.08	7.04e-06	0.0	0.0	-47.69	-0.08	-2.49	-0.02	2.08	-0.66
		-0.94	-6.63	8.29e-05	0.0	175.0	-39.81	-0.08	-2.49	-0.02	-2.27	-0.80
						350.0	-31.94	-0.08	-2.49	-0.02	-6.63	-0.94
13	7	235.16	5.46	4.23e-03	0.0	0.0	8.47	-122.41	-2.86	-0.64	5.46	235.16
		-193.26	-4.59	9.53e-05	0.0	175.0	8.47	-122.41	-2.86	-0.64	0.43	20.95
						350.0	8.47	-122.41	-2.86	-0.64	-4.59	-193.26
13	9	27.21	54.67	1.54e-04	0.0	0.0	-13.94	-14.41	-23.12	4.21	54.67	27.21
		-23.22	-26.64	6.91e-03	0.0	175.0	-13.94	-14.41	-23.12	4.21	14.02	1.99
						350.0	-13.94	-14.41	-23.12	4.21	-26.64	-23.22
14	1	0.92	2.06	-6.60e-06	0.0	0.0	-47.61	0.08	-2.47	0.02	2.06	0.65
		0.65	-6.58	8.25e-05	0.0	175.0	-39.73	0.08	-2.47	0.02	-2.26	0.78
						350.0	-31.86	0.08	-2.47	0.02	-6.58	0.92
14	4	0.63	0.18	-1.84e-06	0.0	0.0	0.28	-0.31	0.16	4.45e-03	-0.39	0.63
		-0.44	-0.39	7.38e-06	0.0	175.0	0.28	-0.31	0.16	4.45e-03	-0.10	0.09
						350.0	0.28	-0.31	0.16	4.45e-03	0.18	-0.44
14	7	234.96	4.57	4.23e-03	0.0	0.0	-8.17	-122.34	2.86	-0.66	-5.48	234.96
		-193.24	-5.48	-9.57e-05	0.0	175.0	-8.17	-122.34	2.86	-0.66	-0.45	20.86
						350.0	-8.17	-122.34	2.86	-0.66	4.57	-193.24
14	10	22.84	54.56	-1.48e-04	0.0	0.0	-13.68	14.19	-23.08	-4.31	54.56	-26.82
		-26.82	-26.56	6.90e-03	0.0	175.0	-13.68	14.19	-23.08	-4.31	14.00	-1.99
						350.0	-13.68	14.19	-23.08	-4.31	-26.56	22.84
28	1	3.90	19.65	-9.01e-06	0.0	0.0	-59.55	-1.75	8.72	0.38	-10.86	3.90
		-2.22	-10.86	-2.73e-04	0.0	175.0	-51.67	-1.75	8.72	0.38	4.40	0.84
						350.0	-43.80	-1.75	8.72	0.38	19.65	-2.22
28	5	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	175.0	0.0	0.0	0.0	0.0	0.0	0.0
						350.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	29.53	58.03	-6.97e-05	0.0	0.0	-16.17	18.25	37.84	7.56	-74.43	-34.35
		-34.35	-74.43	-7.66e-03	0.0	175.0	-16.17	18.25	37.84	7.56	-8.20	-2.41
						350.0	-16.17	18.25	37.84	7.56	58.03	29.53
28	10	240.05	5.98	4.11e-03	0.0	0.0	-13.96	-124.26	-3.50	0.86	5.98	240.05
		-194.87	-6.29	1.59e-04	0.0	175.0	-13.96	-124.26	-3.50	0.86	-0.15	22.59
						350.0	-13.96	-124.26	-3.50	0.86	-6.29	-194.87

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-209.10	-84.78	-8.55e-03	0.0	-61.28	-131.88	-30.70	-7.52
	252.47	71.23	6.91e-03	0.0	40.20	18.25	44.57	7.56

Trave	**CDC**	**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
2	4	0.16	6.86e-03	-1.05e-06	0.0	0.0	-0.52	-0.03	0.07	0.01	-0.06	0.16
		0.13	-0.06	0.0	0.0	46.0	-0.52	-0.03	0.07	0.01	-0.03	0.15
						92.1	-0.52	-0.03	0.07	0.01	6.86e-03	0.13
2	7	-64.49	-0.34	3.70e-04	0.0	0.0	-44.31	46.06	-2.53	-1.14	-0.34	-106.89
		-106.89	-2.64	2.24e-05	0.0	46.0	-44.31	46.06	-2.53	-1.14	-1.49	-85.69
						92.1	-44.31	46.06	-2.53	-1.14	-2.64	-64.49
2	9	-6.14	2.09	3.09e-05	0.0	0.0	62.16	4.86	-10.60	-4.53	2.09	-9.70
		-9.70	-7.80	4.10e-04	0.0	46.0	62.16	4.86	-10.60	-4.53	-2.86	-7.92
						92.1	62.16	4.86	-10.60	-4.53	-7.80	-6.14
2	10	-1.52	1.43	2.85e-05	0.0	0.0	71.41	3.83	-8.38	-4.80	1.43	-4.11

		-4.11	-8.35	1.88e-04	0.0	46.0	71.41	3.83	-8.38	-4.80	-3.46	-2.81
						92.1	71.41	3.83	-8.38	-4.80	-8.35	-1.52
15	5	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	96.5	0.0	0.0	0.0	0.0	0.0	0.0
						193.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	11.58	9.93	4.35e-04	0.0	0.0	29.19	-3.35	18.43	4.34	-25.71	11.58
		6.22	-25.71	-1.26e-03	0.0	96.5	29.19	-3.35	18.43	4.34	-7.89	8.90
						193.0	29.19	-3.35	18.43	4.34	9.93	6.22
15	10	-8.95	3.27	2.64e-04	0.0	0.0	16.62	29.02	9.94	-9.97	-15.95	-64.49
		-64.49	-15.95	1.40e-04	0.0	96.5	16.62	29.02	9.94	-9.97	-6.34	-36.72
						193.0	16.62	29.02	9.94	-9.97	3.27	-8.95
16	7	-38.13	21.41	5.77e-04	0.0	0.0	-14.10	38.65	-14.69	0.92	21.41	-92.96
		-92.96	0.58	-1.41e-04	0.0	71.0	-14.10	38.65	-14.69	0.92	10.99	-65.55
						142.0	-14.10	38.65	-14.69	0.92	0.58	-38.13
16	10	12.22	21.72	1.84e-04	0.0	0.0	27.57	-4.66	-15.81	12.44	21.72	12.22
		6.46	-1.07	7.51e-04	0.0	71.0	27.57	-4.66	-15.81	12.44	10.32	9.34
						142.0	27.57	-4.66	-15.81	12.44	-1.07	6.46
17	3	2.42	4.22	-8.44e-05	-2.40	0.0	1.66	31.86	11.60	37.62	-7.04	-27.33
		-27.33	-7.04	-1.18e-04	0.0	48.5	1.66	30.66	11.60	37.62	-1.41	-12.16
						97.0	1.66	29.46	11.60	37.62	4.22	2.42
17	7	1.93	11.16	7.59e-05	0.0	0.0	66.37	2.63	19.32	25.92	-7.65	-2.52
		-2.52	-7.65	-4.43e-04	0.0	48.5	66.37	2.63	19.32	25.92	1.76	-0.29
						97.0	66.37	2.63	19.32	25.92	11.16	1.93
17	8	-2.31	9.73	6.97e-05	0.0	0.0	58.27	4.35	20.19	20.80	-9.87	-6.27
		-6.27	-9.87	-6.23e-04	0.0	48.5	58.27	4.35	20.19	20.80	-0.07	-4.29
						97.0	58.27	4.35	20.19	20.80	9.73	-2.31
17	10	-65.71	4.38	3.09e-04	0.0	0.0	-27.64	45.46	3.32	1.20	1.17	-109.82
		-109.82	1.17	-3.87e-05	0.0	48.5	-27.64	45.46	3.32	1.20	2.78	-87.76
						97.0	-27.64	45.46	3.32	1.20	4.38	-65.71
18	3	15.73	6.77	-9.02e-05	-4.83	0.0	3.83	20.42	8.04	17.05	-8.83	-19.22
		-19.22	-8.83	-1.63e-04	0.0	97.0	3.83	18.00	8.04	17.05	-1.03	-0.57
						194.1	3.83	15.59	8.04	17.05	6.77	15.73
18	7	-2.08	10.13	-5.32e-05	0.0	0.0	74.51	2.15	6.91	18.05	-3.72	-4.70
		-4.70	-3.72	3.18e-04	0.0	97.0	74.51	2.15	6.91	18.05	3.20	-3.39
						194.1	74.51	2.15	6.91	18.05	10.13	-2.08
18	8	-3.19	13.55	-7.98e-05	0.0	0.0	72.86	4.80	10.28	16.89	-6.56	-11.79
		-11.79	-6.56	-2.73e-04	0.0	97.0	72.86	4.80	10.28	16.89	3.50	-7.49
						194.1	72.86	4.80	10.28	16.89	13.55	-3.19
18	10	-18.31	4.33	2.87e-04	0.0	0.0	-44.02	44.56	4.02	1.43	-3.49	-104.75
		-104.75	-3.49	-7.28e-05	0.0	97.0	-44.02	44.56	4.02	1.43	0.42	-61.53
						194.1	-44.02	44.56	4.02	1.43	4.33	-18.31
19	3	5.57	2.63	-1.98e-05	-2.43	0.0	6.48	26.94	8.67	13.49	-5.88	-19.67
		-19.67	-5.88	4.05e-05	0.0	49.1	6.48	25.72	8.67	13.49	-1.62	-6.75
						98.1	6.48	24.51	8.67	13.49	2.63	5.57
19	7	-9.50	2.10	-1.32e-04	0.0	0.0	50.88	9.24	2.80	27.74	-0.65	-18.33
		-18.33	-0.65	5.82e-04	0.0	49.1	50.88	9.24	2.80	27.74	0.73	-13.92
						98.1	50.88	9.24	2.80	27.74	2.10	-9.50
19	8	-16.09	4.77	-1.50e-04	0.0	0.0	48.48	13.37	5.37	31.88	-1.40	-29.01
		-29.01	-1.40	4.34e-04	0.0	49.1	48.48	13.37	5.37	31.88	1.68	-22.55
						98.1	48.48	13.37	5.37	31.88	4.77	-16.09
19	10	-53.03	4.30	3.87e-04	0.0	0.0	-86.13	32.72	6.50	6.55	-2.09	-85.07
		-85.07	-2.09	-5.99e-05	0.0	49.1	-86.13	32.72	6.50	6.55	1.10	-69.05
						98.1	-86.13	32.72	6.50	6.55	4.30	-53.03
20	3	10.24	0.61	-9.39e-05	-1.89	0.0	2.50	6.31	3.40	5.87	-4.21	2.62
		2.62	-4.21	-1.11e-05	0.0	71.0	2.50	5.37	3.40	5.87	-1.80	6.77
						142.0	2.50	4.42	3.40	5.87	0.61	10.24
20	8	-38.05	-0.41	5.77e-04	0.0	0.0	-13.73	38.74	14.93	-0.90	-21.57	-93.01
		-93.01	-21.57	1.37e-04	0.0	71.0	-13.73	38.74	14.93	-0.90	-10.99	-65.53
						142.0	-13.73	38.74	14.93	-0.90	-0.41	-38.05
20	10	-6.58	21.95	-1.83e-04	0.0	0.0	-27.85	4.63	-16.25	12.47	21.95	-12.17
		-12.17	-1.38	7.56e-04	0.0	71.0	-27.85	4.63	-16.25	12.47	10.29	-9.37
						142.0	-27.85	4.63	-16.25	12.47	-1.38	-6.58
21	3	-0.86	0.52	-1.68e-05	-1.23	0.0	6.58	15.62	2.64	9.43	-1.92	-14.70
		-14.70	-1.92	-1.62e-05	0.0	46.1	6.58	15.01	2.64	9.43	-0.70	-7.64
						92.2	6.58	14.40	2.64	9.43	0.52	-0.86
21	8	-64.49	2.71	3.73e-04	0.0	0.0	-44.04	46.09	2.68	1.10	0.28	-106.97
		-106.97	0.28	-2.29e-05	0.0	46.1	-44.04	46.09	2.68	1.10	1.49	-85.73
						92.2	-44.04	46.09	2.68	1.10	2.71	-64.49
21	9	9.67	2.11	-3.25e-05	0.0	0.0	-61.52	-4.83	-10.89	-4.51	2.11	9.67
		6.13	-8.05	4.11e-04	0.0	46.1	-61.52	-4.83	-10.89	-4.51	-2.97	7.90
						92.2	-61.52	-4.83	-10.89	-4.51	-8.05	6.13
21	10	4.08	1.39	-3.01e-05	0.0	0.0	-70.55	-3.80	-8.67	-4.77	1.39	4.08
		1.52	-8.60	1.88e-04	0.0	46.1	-70.55	-3.80	-8.67	-4.77	-3.60	2.80
						92.2	-70.55	-3.80	-8.67	-4.77	-8.60	1.52
22	3	-8.04	-0.37	-1.81e-05	-0.56	0.0	5.92	21.18	3.76	7.13	-1.96	-16.88
		-16.88	-1.96	-1.56e-06	0.0	21.2	5.92	20.90	3.76	7.13	-1.16	-12.43
						42.3	5.92	20.62	3.76	7.13	-0.37	-8.04

22	8	-69.93	1.75	2.25e-04	0.0	0.0	-71.90	38.90	5.54	5.74	-0.62	-86.37
		-86.37	-0.62	-1.45e-05	0.0	21.2	-71.90	38.90	5.54	5.74	0.56	-78.15
						42.3	-71.90	38.90	5.54	5.74	1.75	-69.93
22	9	22.28	-5.07	2.64e-05	0.0	0.0	-57.23	-11.82	-4.33	-24.03	-5.07	22.28
		17.44	-6.52	-1.06e-04	0.0	21.2	-57.23	-11.82	-4.33	-24.03	-5.80	19.86
						42.3	-57.23	-11.82	-4.33	-24.03	-6.52	17.44
23	3	5.53	5.90	-2.00e-05	-2.43	0.0	6.34	27.00	-8.69	-13.51	5.90	-19.78
		-19.78	-2.62	-4.07e-05	0.0	49.1	6.34	25.79	-8.69	-13.51	1.64	-6.83
						98.1	6.34	24.58	-8.69	-13.51	-2.62	5.53
23	8	29.01	4.80	1.49e-04	0.0	0.0	-47.74	-13.40	5.42	31.88	-1.41	29.01
		16.05	-1.41	4.33e-04	0.0	49.1	-47.74	-13.40	5.42	31.88	1.70	22.53
						98.1	-47.74	-13.40	5.42	31.88	4.80	16.05
23	9	-53.20	2.10	3.88e-04	0.0	0.0	-86.32	32.78	-6.46	-6.55	2.10	-85.30
		-85.30	-4.24	6.05e-05	0.0	49.1	-86.32	32.78	-6.46	-6.55	-1.07	-69.25
						98.1	-86.32	32.78	-6.46	-6.55	-4.24	-53.20
24	3	15.69	8.83	-8.93e-05	-4.83	0.0	3.77	20.46	-8.03	-17.07	8.83	-19.33
		-19.33	-6.75	1.62e-04	0.0	97.0	3.77	18.05	-8.03	-17.07	1.04	-0.65
						194.1	3.77	15.63	-8.03	-17.07	-6.75	15.69
24	7	4.72	10.15	5.36e-05	0.0	0.0	-73.63	-2.16	6.93	18.07	-3.73	4.72
		2.03	-3.73	3.18e-04	0.0	97.0	-73.63	-2.16	6.93	18.07	3.21	3.37
						194.1	-73.63	-2.16	6.93	18.07	10.15	2.03
24	8	11.86	13.53	8.01e-05	0.0	0.0	-71.94	-4.84	10.27	16.91	-6.55	11.86
		3.15	-6.55	-2.73e-04	0.0	97.0	-71.94	-4.84	10.27	16.91	3.49	7.51
						194.1	-71.94	-4.84	10.27	16.91	13.53	3.15
24	9	-18.40	3.49	2.88e-04	0.0	0.0	-43.78	44.63	-3.99	-1.43	3.49	-104.97
		-104.97	-4.25	7.32e-05	0.0	97.0	-43.78	44.63	-3.99	-1.43	-0.38	-61.68
						194.1	-43.78	44.63	-3.99	-1.43	-4.25	-18.40
25	3	2.44	7.05	-8.31e-05	-2.40	0.0	1.65	31.85	-11.60	-37.65	7.05	-27.30
		-27.30	-4.20	1.18e-04	0.0	48.5	1.65	30.65	-11.60	-37.65	1.43	-12.14
						97.0	1.65	29.45	-11.60	-37.65	-4.20	2.44
25	7	2.48	11.10	-7.53e-05	0.0	0.0	-65.47	-2.61	19.28	25.94	-7.66	2.48
		-1.92	-7.66	-4.43e-04	0.0	48.5	-65.47	-2.61	19.28	25.94	1.72	0.28
						97.0	-65.47	-2.61	19.28	25.94	11.10	-1.92
25	8	6.33	9.65	-6.93e-05	0.0	0.0	-57.61	-4.37	20.13	20.82	-9.88	6.33
		2.35	-9.88	-6.23e-04	0.0	48.5	-57.61	-4.37	20.13	20.82	-0.11	4.34
						97.0	-57.61	-4.37	20.13	20.82	9.65	2.35
25	9	-65.85	-1.19	3.10e-04	0.0	0.0	-27.35	45.52	-3.27	-1.20	-1.19	-110.00
		-110.00	-4.34	3.91e-05	0.0	48.5	-27.35	45.52	-3.27	-1.20	-2.76	-87.92
						97.0	-27.35	45.52	-3.27	-1.20	-4.34	-65.85
26	1	9.61	1.83	-1.49e-04	-8.69	0.0	0.69	10.56	-1.33	-3.76	1.83	-2.39
		-2.39	-0.73	6.74e-05	0.0	96.5	0.69	6.21	-1.33	-3.76	0.55	5.71
						193.0	0.69	1.87	-1.33	-3.76	-0.73	9.61
26	7	-6.11	9.91	-4.35e-04	0.0	0.0	-28.50	3.39	18.45	4.33	-25.77	-11.57
		-11.57	-25.77	-1.26e-03	0.0	96.5	-28.50	3.39	18.45	4.33	-7.93	-8.84
						193.0	-28.50	3.39	18.45	4.33	9.91	-6.11
26	9	-9.10	16.24	2.66e-04	0.0	0.0	17.16	29.09	-10.11	10.04	16.24	-64.79
		-64.79	-3.31	-1.40e-04	0.0	96.5	17.16	29.09	-10.11	10.04	6.46	-36.95
						193.0	17.16	29.09	-10.11	10.04	-3.31	-9.10
27	3	-8.33	1.96	-1.91e-05	-0.56	0.0	5.77	21.52	-3.72	-6.97	1.96	-17.28
		-17.28	0.39	1.57e-06	0.0	21.1	5.77	21.24	-3.72	-6.97	1.18	-12.78
						42.1	5.77	20.96	-3.72	-6.97	0.39	-8.33
27	4	0.70	-6.72e-03	0.0	0.0	0.0	-0.15	-0.30	0.13	0.18	-0.06	0.70
		0.58	-0.06	0.0	0.0	21.1	-0.15	-0.30	0.13	0.18	-0.03	0.64
						42.1	-0.15	-0.30	0.13	0.18	-6.72e-03	0.58
27	7	-69.91	0.65	2.24e-04	0.0	0.0	-72.34	38.85	-5.49	-5.78	0.65	-86.27
		-86.27	-1.69	1.43e-05	0.0	21.1	-72.34	38.85	-5.49	-5.78	-0.52	-78.09
						42.1	-72.34	38.85	-5.49	-5.78	-1.69	-69.91
27	9	-17.54	-4.97	-2.71e-05	0.0	0.0	58.06	11.97	-4.11	-24.06	-4.97	-22.42
		-22.42	-6.28	-1.05e-04	0.0	21.1	58.06	11.97	-4.11	-24.06	-5.62	-19.98
						42.1	58.06	11.97	-4.11	-24.06	-6.28	-17.54
27	10	-9.32	-4.83	-3.18e-05	0.0	0.0	61.19	7.33	-2.08	-21.67	-4.83	-12.12
		-12.12	-4.85	-1.98e-04	0.0	21.1	61.19	7.33	-2.08	-21.67	-4.84	-10.72
						42.1	61.19	7.33	-2.08	-21.67	-4.85	-9.32
46	3	0.15	0.21	9.68e-05	-2.27	0.0	0.48	2.27	-0.14	-0.04	0.21	-1.55
		-1.55	0.0	9.07e-05	0.0	75.0	0.48	1.13	-0.14	-0.04	0.10	-0.27
						150.0	0.48	0.0	-0.14	-0.04	0.0	0.15
46	7	-0.73	0.0	1.08e-03	0.0	0.0	-4.00	0.44	0.54	0.17	-0.81	-0.73
		-1.28	-0.81	-6.70e-04	0.0	75.0	-4.00	0.44	0.54	0.17	-0.40	-1.01
						150.0	-4.00	0.44	0.54	0.17	0.0	-1.28
46	8	-0.42	0.0	8.09e-04	0.0	0.0	-2.52	0.37	0.89	0.29	-1.34	-0.42
		-0.81	-1.34	-7.65e-04	0.0	75.0	-2.52	0.37	0.89	0.29	-0.67	-0.61
						150.0	-2.52	0.37	0.89	0.29	0.0	-0.81
46	9	0.27	2.13	-1.36e-04	0.0	0.0	0.67	0.27	-1.42	-0.46	2.13	0.27
		0.21	0.0	-8.32e-05	0.0	75.0	0.67	0.27	-1.42	-0.46	1.07	0.24
						150.0	0.67	0.27	-1.42	-0.46	0.0	0.21
46	10	0.26	1.96	-1.80e-04	0.0	0.0	0.80	0.26	-1.30	-0.42	1.96	0.26
		0.26	0.0	-1.78e-04	0.0	75.0	0.80	0.26	-1.30	-0.42	0.98	0.26

						150.0	0.80	0.26	-1.30	-0.42	0.0	0.26
47	3	-0.02	0.0	-7.97e-04	-1.16	0.0	-0.06	0.0	-0.23	-0.07	0.0	-0.02
		-0.89	-0.35	-9.31e-05	0.0	75.0	-0.06	-0.58	-0.23	-0.07	-0.17	-0.24
						150.0	-0.06	-1.16	-0.23	-0.07	-0.35	-0.89
47	7	0.31	0.0	8.45e-04	0.0	0.0	0.97	0.22	-1.51	-0.48	0.0	0.31
		0.24	-2.27	-6.75e-04	0.0	75.0	0.97	0.22	-1.51	-0.48	-1.13	0.27
						150.0	0.97	0.22	-1.51	-0.48	-2.27	0.24
47	8	0.37	0.0	6.78e-04	0.0	0.0	1.15	-0.19	-1.04	-0.33	0.0	0.37
		0.28	-1.57	-7.94e-04	0.0	75.0	1.15	-0.19	-1.04	-0.33	-0.78	0.32
						150.0	1.15	-0.19	-1.04	-0.33	-1.57	0.28
47	10	0.30	0.11	7.00e-04	0.0	0.0	0.93	0.20	0.07	0.02	0.0	0.30
		0.17	0.0	2.19e-05	0.0	75.0	0.93	0.20	0.07	0.02	0.05	0.23
						150.0	0.93	0.20	0.07	0.02	0.11	0.17
48	3	0.04	0.09	-1.86e-03	-1.16	0.0	0.14	0.0	0.06	0.02	0.0	0.04
		-0.83	0.0	-8.21e-05	0.0	75.0	0.14	-0.58	0.06	0.02	0.05	-0.17
						150.0	0.14	-1.16	0.06	0.02	0.09	-0.83
48	7	0.33	0.0	1.51e-03	0.0	0.0	0.06	-0.23	-0.75	-0.24	0.0	0.02
		0.02	-1.13	-5.65e-04	0.0	75.0	0.06	-0.23	-0.75	-0.24	-0.56	0.18
						150.0	0.06	-0.23	-0.75	-0.24	-1.13	0.33
48	8	0.26	0.0	1.29e-03	0.0	0.0	0.26	0.21	-0.67	-0.21	0.0	0.08
		0.08	-1.00	-7.46e-04	0.0	75.0	0.26	0.21	-0.67	-0.21	-0.50	0.17
						150.0	0.26	0.21	-0.67	-0.21	-1.00	0.26
48	10	-0.12	0.12	2.66e-04	0.0	0.0	-0.38	-0.13	0.08	0.03	0.0	-0.12
		-0.30	0.0	-3.96e-05	0.0	75.0	-0.38	-0.13	0.08	0.03	0.06	-0.21
						150.0	-0.38	-0.13	0.08	0.03	0.12	-0.30
49	3	-0.05	0.0	-2.56e-03	-1.16	0.0	-0.14	0.0	-0.42	-0.13	0.0	-0.05
		-0.92	-0.63	-6.01e-05	0.0	75.0	-0.14	-0.58	-0.42	-0.13	-0.31	-0.26
						150.0	-0.14	-1.16	-0.42	-0.13	-0.63	-0.92
49	7	0.24	0.0	1.67e-03	0.0	0.0	0.31	-0.22	-1.00	-0.32	0.0	0.10
		0.10	-1.50	-3.71e-04	0.0	75.0	0.31	-0.22	-1.00	-0.32	-0.75	0.17
						150.0	0.31	-0.22	-1.00	-0.32	-1.50	0.24
49	8	0.18	0.0	1.48e-03	0.0	0.0	0.50	-0.20	-1.13	-0.36	0.0	0.16
		0.16	-1.69	-6.17e-04	0.0	75.0	0.50	-0.20	-1.13	-0.36	-0.84	0.17
						150.0	0.50	-0.20	-1.13	-0.36	-1.69	0.18
49	9	-0.10	0.20	9.75e-05	0.0	0.0	-0.30	-0.05	0.13	0.04	0.0	-0.10
		-0.14	0.0	3.16e-05	0.0	75.0	-0.30	-0.05	0.13	0.04	0.10	-0.12
						150.0	-0.30	-0.05	0.13	0.04	0.20	-0.14
49	10	-0.09	0.36	7.03e-05	0.0	0.0	-0.30	-0.05	0.24	0.08	0.0	-0.09
		-0.14	0.0	-6.15e-05	0.0	75.0	-0.30	-0.05	0.24	0.08	0.18	-0.12
						150.0	-0.30	-0.05	0.24	0.08	0.36	-0.14
50	3	-0.32	0.52	-3.03e-03	-1.17	0.0	-0.99	0.0	0.35	0.11	0.0	-0.32
		-1.19	0.0	-2.25e-05	0.0	75.0	-0.99	-0.58	0.35	0.11	0.26	-0.54
						150.0	-0.99	-1.17	0.35	0.11	0.52	-1.19
50	4	3.25e-03	0.0	-1.78e-05	0.0	0.0	0.01	0.0	-3.13e-03	-1.00e-03	0.0	3.25e-03
		3.25e-03	-4.70e-03	0.0	0.0	75.0	0.01	0.0	-3.13e-03	-1.00e-03	-2.35e-03	3.25e-03
						150.0	0.01	0.0	-3.13e-03	-1.00e-03	-4.70e-03	3.25e-03
50	7	-0.34	0.37	1.50e-03	0.0	0.0	-1.06	0.19	0.24	0.08	0.0	-0.34
		-0.61	0.0	-5.64e-05	0.0	75.0	-1.06	0.19	0.24	0.08	0.18	-0.48
						150.0	-1.06	0.19	0.24	0.08	0.37	-0.61
51	1	0.22	1.95e-03	-7.12e-04	-0.97	0.0	0.68	0.0	1.30e-03	4.17e-04	0.0	0.22
		-0.51	0.0	0.0	0.0	75.0	0.68	-0.48	1.30e-03	4.17e-04	9.77e-04	0.04
						150.0	0.68	-0.97	1.30e-03	4.17e-04	1.95e-03	-0.51
51	4	-4.99e-03	0.0	-2.23e-05	0.0	0.0	-0.02	0.0	-1.54e-04	-4.91e-05	0.0	-4.99e-03
		-4.99e-03	-2.30e-04	1.03e-06	0.0	75.0	-0.02	0.0	-1.54e-04	-4.91e-05	-1.15e-04	-4.99e-03
						150.0	-0.02	0.0	-1.54e-04	-4.91e-05	-2.30e-04	-4.99e-03
51	8	0.68	0.0	2.47e-03	0.0	0.0	2.12	-0.27	-0.16	-0.05	0.0	0.68
		0.35	-0.23	-1.75e-04	0.0	75.0	2.12	-0.27	-0.16	-0.05	-0.12	0.51
						150.0	2.12	-0.27	-0.16	-0.05	-0.23	0.35
51	10	3.23e-03	0.44	0.0	0.0	0.0	3.32e-03	1.90e-03	0.30	0.09	0.0	1.06e-03
		1.06e-03	0.0	-8.37e-05	0.0	75.0	3.32e-03	1.90e-03	0.30	0.09	0.22	2.15e-03
						150.0	3.32e-03	1.90e-03	0.30	0.09	0.44	3.23e-03
52	3	-0.32	0.0	-3.03e-03	-1.15	0.0	-1.00	0.0	-0.34	-0.11	0.0	-0.32
		-1.19	-0.51	2.22e-05	0.0	75.0	-1.00	-0.58	-0.34	-0.11	-0.26	-0.54
						150.0	-1.00	-1.15	-0.34	-0.11	-0.51	-1.19
52	8	-0.34	0.0	1.50e-03	0.0	0.0	-1.08	0.19	-0.24	-0.08	0.0	-0.34
		-0.61	-0.35	5.56e-05	0.0	75.0	-1.08	0.19	-0.24	-0.08	-0.18	-0.48
						150.0	-1.08	0.19	-0.24	-0.08	-0.35	-0.61
52	9	0.08	0.36	-1.14e-05	0.0	0.0	0.13	-0.03	0.24	0.08	0.0	0.04
		0.04	0.0	2.94e-05	0.0	75.0	0.13	-0.03	0.24	0.08	0.18	0.06
						150.0	0.13	-0.03	0.24	0.08	0.36	0.08
52	10	0.08	0.48	0.0	0.0	0.0	0.13	-0.04	0.32	0.10	0.0	0.04
		0.04	0.0	-6.33e-05	0.0	75.0	0.13	-0.04	0.32	0.10	0.24	0.06
						150.0	0.13	-0.04	0.32	0.10	0.48	0.08
53	3	-0.04	0.63	-2.55e-03	-1.16	0.0	-0.12	0.0	0.42	0.13	0.0	-0.04
		-0.91	0.0	5.97e-05	0.0	75.0	-0.12	-0.58	0.42	0.13	0.31	-0.26
						150.0	-0.12	-1.16	0.42	0.13	0.63	-0.91
53	4	1.18e-04	0.0	-1.93e-05	0.0	0.0	3.67e-04	0.0	-5.61e-03	-1.80e-03	0.0	1.18e-04

		1.18e-04	-8.42e-03	1.43e-06	0.0	75.0	3.67e-04	0.0	-5.61e-03	-1.80e-03	-4.21e-03	1.18e-04
						150.0	3.67e-04	0.0	-5.61e-03	-1.80e-03	-8.42e-03	1.18e-04
53	7	0.18	1.68	1.49e-03	0.0	0.0	0.53	0.20	1.12	0.36	0.0	0.17
		0.17	0.0	6.17e-04	0.0	75.0	0.53	0.20	1.12	0.36	0.84	0.17
						150.0	0.53	0.20	1.12	0.36	1.68	0.18
53	8	0.24	1.49	1.68e-03	0.0	0.0	0.34	0.22	0.99	0.32	0.0	0.11
		0.11	0.0	3.71e-04	0.0	75.0	0.34	0.22	0.99	0.32	0.75	0.17
						150.0	0.34	0.22	0.99	0.32	1.49	0.24
54	3	0.04	0.0	-1.87e-03	-1.16	0.0	0.12	0.0	-0.07	-0.02	0.0	0.04
		-0.83	-0.10	8.17e-05	0.0	75.0	0.12	-0.58	-0.07	-0.02	-0.05	-0.18
						150.0	0.12	-1.16	-0.07	-0.02	-0.10	-0.83
54	4	-2.21e-03	6.84e-03	-2.03e-05	0.0	0.0	-6.90e-03	0.0	4.56e-03	1.46e-03	0.0	-2.21e-03
		-2.21e-03	0.0	1.81e-06	0.0	75.0	-6.90e-03	0.0	4.56e-03	1.46e-03	3.42e-03	-2.21e-03
						150.0	-6.90e-03	0.0	4.56e-03	1.46e-03	6.84e-03	-2.21e-03
54	8	0.34	1.13	1.50e-03	0.0	0.0	0.06	0.23	0.75	0.24	0.0	0.02
		0.02	0.0	5.65e-04	0.0	75.0	0.06	0.23	0.75	0.24	0.57	0.18
						150.0	0.06	0.23	0.75	0.24	1.13	0.34
54	9	0.27	0.0	-2.82e-04	0.0	0.0	0.32	0.12	-0.16	-0.05	0.0	0.10
		0.10	-0.24	5.52e-05	0.0	75.0	0.32	0.12	-0.16	-0.05	-0.12	0.18
						150.0	0.32	0.12	-0.16	-0.05	-0.24	0.27
54	10	0.31	0.12	-2.68e-04	0.0	0.0	0.38	0.13	0.08	0.03	0.0	0.12
		0.12	0.0	-3.85e-05	0.0	75.0	0.38	0.13	0.08	0.03	0.06	0.21
						150.0	0.38	0.13	0.08	0.03	0.12	0.31
55	3	-0.02	0.35	-7.97e-04	-1.16	0.0	-0.06	0.0	0.23	0.07	0.0	-0.02
		-0.89	0.0	9.31e-05	0.0	75.0	-0.06	-0.58	0.23	0.07	0.17	-0.24
						150.0	-0.06	-1.16	0.23	0.07	0.35	-0.89
55	7	0.37	1.57	6.76e-04	0.0	0.0	1.16	0.19	1.05	0.34	0.0	0.37
		0.28	0.0	7.94e-04	0.0	75.0	1.16	0.19	1.05	0.34	0.79	0.32
						150.0	1.16	0.19	1.05	0.34	1.57	0.28
55	8	0.31	2.28	8.43e-04	0.0	0.0	0.98	0.22	1.52	0.49	0.0	0.31
		0.24	0.0	6.74e-04	0.0	75.0	0.98	0.22	1.52	0.49	1.14	0.28
						150.0	0.98	0.22	1.52	0.49	2.28	0.24
55	9	-0.20	0.0	-6.70e-04	0.0	0.0	-1.02	-0.19	-0.09	-0.03	0.0	-0.33
		-0.33	-0.13	1.17e-04	0.0	75.0	-1.02	-0.19	-0.09	-0.03	-0.07	-0.26
						150.0	-1.02	-0.19	-0.09	-0.03	-0.13	-0.20
56	3	0.15	0.0	-9.44e-05	-2.27	0.0	0.48	0.0	-0.14	-0.05	0.0	0.15
		-1.55	-0.21	9.04e-05	0.0	75.0	0.48	-1.13	-0.14	-0.05	-0.11	-0.27
						150.0	0.48	-2.27	-0.14	-0.05	-0.21	-1.55
56	7	0.80	0.0	8.11e-04	0.0	0.0	2.51	-0.37	-0.90	-0.29	0.0	0.80
		0.41	-1.34	7.65e-04	0.0	75.0	2.51	-0.37	-0.90	-0.29	-0.67	0.61
						150.0	2.51	-0.37	-0.90	-0.29	-1.34	0.41
56	8	1.28	0.0	1.08e-03	0.0	0.0	4.00	-0.44	-0.54	-0.17	0.0	1.28
		0.73	-0.81	6.70e-04	0.0	75.0	4.00	-0.44	-0.54	-0.17	-0.41	1.00
						150.0	4.00	-0.44	-0.54	-0.17	-0.81	0.73
56	9	-0.25	1.95	-1.82e-04	0.0	0.0	-0.77	0.26	1.30	0.42	0.0	-0.25
		-0.26	0.0	1.78e-04	0.0	75.0	-0.77	0.26	1.30	0.42	0.97	-0.25
						150.0	-0.77	0.26	1.30	0.42	1.95	-0.26
56	10	-0.20	2.13	-1.38e-04	0.0	0.0	-0.63	0.27	1.42	0.45	0.0	-0.20
		-0.27	0.0	8.11e-05	0.0	75.0	-0.63	0.27	1.42	0.45	1.06	-0.24
						150.0	-0.63	0.27	1.42	0.45	2.13	-0.27
57	3	0.29	0.0	6.97e-05	-2.57	0.0	1.43	2.57	0.02	3.90e-03	-0.03	-1.64
		-1.64	-0.03	4.35e-05	0.0	75.0	1.43	1.29	0.02	3.90e-03	-0.01	-0.20
						150.0	1.43	0.0	0.02	3.90e-03	0.0	0.29
57	8	0.29	0.0	-2.73e-04	0.0	0.0	1.14	-0.32	0.33	0.07	-0.49	0.29
		0.23	-0.49	3.33e-04	0.0	75.0	1.14	-0.32	0.33	0.07	-0.25	0.26
						150.0	1.14	-0.32	0.33	0.07	0.0	0.23
57	9	-0.27	0.07	5.24e-04	0.0	0.0	-1.87	0.33	-0.05	-9.60e-03	0.07	-0.27
		-0.37	0.0	5.18e-04	0.0	75.0	-1.87	0.33	-0.05	-9.60e-03	0.04	-0.32
						150.0	-1.87	0.33	-0.05	-9.60e-03	0.0	-0.37
57	10	-0.27	0.0	5.96e-04	0.0	0.0	-2.34	-0.36	0.03	5.67e-03	-0.04	-0.27
		-0.47	-0.04	5.26e-04	0.0	75.0	-2.34	-0.36	0.03	5.67e-03	-0.02	-0.37
						150.0	-2.34	-0.36	0.03	5.67e-03	0.0	-0.47
58	3	0.19	0.04	3.52e-04	-1.77	0.0	0.96	1.77	-0.03	-5.49e-03	0.04	-1.14
		-1.14	0.0	-1.89e-05	0.0	75.0	0.96	0.89	-0.03	-5.49e-03	0.02	-0.14
						150.0	0.96	0.0	-0.03	-5.49e-03	0.0	0.19
58	10	-0.13	0.0	1.14e-03	0.0	0.0	-0.65	-0.33	0.13	0.03	-0.19	-0.37
		-0.37	-0.19	9.40e-04	0.0	75.0	-0.65	-0.33	0.13	0.03	-0.10	-0.25
						150.0	-0.65	-0.33	0.13	0.03	0.0	-0.13
59	3	0.18	0.0	5.42e-04	-1.77	0.0	0.90	1.77	4.33e-03	8.67e-04	-6.50e-03	-1.15
		-1.15	-6.50e-03	-6.25e-06	0.0	75.0	0.90	0.89	4.33e-03	8.67e-04	-3.25e-03	-0.15
						150.0	0.90	0.0	4.33e-03	8.67e-04	0.0	0.18
59	4	9.84e-05	4.71e-05	-1.02e-06	0.0	0.0	4.92e-04	0.0	-3.14e-05	-6.28e-06	4.71e-05	9.84e-05
		9.84e-05	0.0	0.0	0.0	75.0	4.92e-04	0.0	-3.14e-05	-6.28e-06	2.36e-05	9.84e-05
						150.0	4.92e-04	0.0	-3.14e-05	-6.28e-06	0.0	9.84e-05
59	8	-0.03	0.0	-2.72e-04	0.0	0.0	-0.15	-0.15	0.12	0.02	-0.18	-0.20
		-0.20	-0.18	-1.35e-04	0.0	75.0	-0.15	-0.15	0.12	0.02	-0.09	-0.12
						150.0	-0.15	-0.15	0.12	0.02	0.0	-0.03

59	10	-0.15	0.0	1.84e-03	0.0	0.0	-0.75	-0.41	0.02	3.60e-03	-0.03	-0.46
		-0.46	-0.03	8.58e-04	0.0	75.0	-0.75	-0.41	0.02	3.60e-03	-0.01	-0.30
						150.0	-0.75	-0.41	0.02	3.60e-03	0.0	-0.15
60	3	0.21	0.0	5.66e-04	-1.77	0.0	1.04	1.77	0.02	4.73e-03	-0.04	-1.12
		-1.12	-0.04	-1.22e-06	0.0	75.0	1.04	0.89	0.02	4.73e-03	-0.02	-0.12
						150.0	1.04	0.0	0.02	4.73e-03	0.0	0.21
60	8	-0.03	0.0	-1.25e-04	0.0	0.0	-0.13	-0.09	0.14	0.03	-0.21	-0.12
		-0.12	-0.21	-1.16e-04	0.0	75.0	-0.13	-0.09	0.14	0.03	-0.11	-0.07
						150.0	-0.13	-0.09	0.14	0.03	0.0	-0.03
60	9	-0.20	0.12	2.53e-03	0.0	0.0	-1.00	0.44	-0.08	-0.02	0.12	-0.47
		-0.47	0.0	7.93e-04	0.0	75.0	-1.00	0.44	-0.08	-0.02	0.06	-0.34
						150.0	-1.00	0.44	-0.08	-0.02	0.0	-0.20
60	10	-0.24	0.10	2.66e-03	0.0	0.0	-1.18	-0.47	-0.07	-0.01	0.10	-0.47
		-0.47	0.0	5.67e-04	0.0	75.0	-1.18	-0.47	-0.07	-0.01	0.05	-0.35
						150.0	-1.18	-0.47	-0.07	-0.01	0.0	-0.24
61	3	0.20	0.03	7.26e-04	-1.77	0.0	0.98	1.77	-0.02	-4.46e-03	0.03	-1.13
		-1.13	0.0	-1.73e-05	0.0	75.0	0.98	0.89	-0.02	-4.46e-03	0.02	-0.14
						150.0	0.98	0.0	-0.02	-4.46e-03	0.0	0.20
61	8	0.03	0.0	-5.55e-06	0.0	0.0	0.05	-0.03	0.15	0.03	-0.23	0.03
		0.01	-0.23	-8.36e-05	0.0	75.0	0.05	-0.03	0.15	0.03	-0.11	0.02
						150.0	0.05	-0.03	0.15	0.03	0.0	0.01
61	10	-0.26	0.0	2.96e-03	0.0	0.0	-1.29	-0.52	0.05	0.01	-0.08	-0.53
		-0.53	-0.08	4.03e-04	0.0	75.0	-1.29	-0.52	0.05	0.01	-0.04	-0.39
						150.0	-1.29	-0.52	0.05	0.01	0.0	-0.26
62	3	0.18	7.06e-04	8.47e-04	-1.77	0.0	0.92	1.77	-4.70e-04	-9.41e-05	7.06e-04	-1.14
		-1.14	0.0	0.0	0.0	75.0	0.92	0.89	-4.70e-04	-9.41e-05	3.53e-04	-0.15
						150.0	0.92	0.0	-4.70e-04	-9.41e-05	0.0	0.18
62	8	3.62e-03	0.0	0.0	0.0	0.0	5.25e-03	-3.04e-03	0.14	0.03	-0.21	3.62e-03
		1.05e-03	-0.21	-7.25e-05	0.0	75.0	5.25e-03	-3.04e-03	0.14	0.03	-0.11	2.34e-03
						150.0	5.25e-03	-3.04e-03	0.14	0.03	0.0	1.05e-03
62	10	-0.22	0.0	2.94e-03	0.0	0.0	-1.08	0.53	8.69e-03	1.74e-03	-0.01	-0.58
		-0.58	-0.01	-1.84e-04	0.0	75.0	-1.08	0.53	8.69e-03	1.74e-03	-6.52e-03	-0.40
						150.0	-1.08	0.53	8.69e-03	1.74e-03	0.0	-0.22
63	3	0.19	0.0	7.40e-04	-1.77	0.0	0.97	1.77	0.02	4.27e-03	-0.03	-1.13
		-1.13	-0.03	1.85e-05	0.0	75.0	0.97	0.89	0.02	4.27e-03	-0.02	-0.14
						150.0	0.97	0.0	0.02	4.27e-03	0.0	0.19
63	8	-0.01	0.0	3.36e-06	0.0	0.0	-0.05	-0.03	0.15	0.03	-0.23	-0.03
		-0.03	-0.23	-8.20e-05	0.0	75.0	-0.05	-0.03	0.15	0.03	-0.11	-0.02
						150.0	-0.05	-0.03	0.15	0.03	0.0	-0.01
63	9	-0.25	0.08	2.97e-03	0.0	0.0	-1.26	0.52	-0.05	-0.01	0.08	-0.53
		-0.53	0.0	-4.28e-04	0.0	75.0	-1.26	0.52	-0.05	-0.01	0.04	-0.39
						150.0	-1.26	0.52	-0.05	-0.01	0.0	-0.25
64	3	0.21	0.03	5.63e-04	-1.77	0.0	1.05	1.77	-0.02	-4.47e-03	0.03	-1.12
		-1.12	0.0	2.53e-06	0.0	75.0	1.05	0.88	-0.02	-4.47e-03	0.02	-0.12
						149.9	1.05	0.0	-0.02	-4.47e-03	0.0	0.21
64	8	0.11	0.0	1.12e-04	0.0	0.0	0.12	-0.09	0.14	0.03	-0.21	0.11
		0.02	-0.21	-1.14e-04	0.0	75.0	0.12	-0.09	0.14	0.03	-0.11	0.07
						149.9	0.12	-0.09	0.14	0.03	0.0	0.02
64	9	-0.24	0.0	2.72e-03	0.0	0.0	-1.22	0.47	0.07	0.01	-0.11	-0.47
		-0.47	-0.11	-5.47e-04	0.0	75.0	-1.22	0.47	0.07	0.01	-0.05	-0.36
						149.9	-1.22	0.47	0.07	0.01	0.0	-0.24
65	3	0.18	8.79e-03	5.52e-04	-1.77	0.0	0.89	1.77	-5.86e-03	-1.17e-03	8.79e-03	-1.15
		-1.15	0.0	5.14e-06	0.0	75.0	0.89	0.88	-5.86e-03	-1.17e-03	4.39e-03	-0.15
						149.9	0.89	0.0	-5.86e-03	-1.17e-03	0.0	0.18
65	8	0.20	0.0	2.66e-04	0.0	0.0	0.15	-0.15	0.12	0.02	-0.19	0.20
		0.03	-0.19	-1.35e-04	0.0	75.0	0.15	-0.15	0.12	0.02	-0.09	0.11
						149.9	0.15	-0.15	0.12	0.02	0.0	0.03
65	9	-0.15	0.02	1.89e-03	0.0	0.0	-0.77	-0.41	-0.01	-2.41e-03	0.02	-0.46
		-0.46	0.0	-8.39e-04	0.0	75.0	-0.77	-0.41	-0.01	-2.41e-03	9.04e-03	-0.31
						149.9	-0.77	-0.41	-0.01	-2.41e-03	0.0	-0.15
66	3	0.19	0.0	3.73e-04	-1.72	0.0	0.95	1.72	0.03	5.35e-03	-0.04	-1.10
		-1.10	-0.04	1.98e-05	0.0	75.0	0.95	0.86	0.03	5.35e-03	-0.02	-0.13
						149.9	0.95	0.0	0.03	5.35e-03	0.0	0.19
66	7	0.19	0.0	2.35e-04	0.0	0.0	0.22	-0.15	0.04	8.45e-03	-0.06	0.19
		0.04	-0.06	7.07e-05	0.0	75.0	0.22	-0.15	0.04	8.45e-03	-0.03	0.12
						149.9	0.22	-0.15	0.04	8.45e-03	0.0	0.04
66	8	0.21	0.0	3.01e-04	0.0	0.0	0.25	-0.17	0.03	6.96e-03	-0.05	0.21
		0.05	-0.05	-3.55e-05	0.0	75.0	0.25	-0.17	0.03	6.96e-03	-0.03	0.13
						149.9	0.25	-0.17	0.03	6.96e-03	0.0	0.05
66	9	-0.12	0.19	1.19e-03	0.0	0.0	-0.59	0.33	-0.13	-0.03	0.19	-0.38
		-0.38	0.0	-9.50e-04	0.0	75.0	-0.59	0.33	-0.13	-0.03	0.10	-0.25
						149.9	-0.59	0.33	-0.13	-0.03	0.0	-0.12
67	8	7.50	2.78	2.31e-04	0.0	0.0	-4.06	2.80	4.03	-0.11	-2.95	3.83
		3.83	-2.95	-6.01e-05	0.0	71.0	-4.06	2.80	4.03	-0.11	-0.09	5.67
						142.0	-4.06	2.80	4.03	-0.11	2.78	7.50
67	9	4.53	1.67	1.20e-03	0.0	0.0	1.98	-7.62	3.53	-0.63	-3.36	4.53
		-6.31	-3.36	-8.50e-04	0.0	71.0	1.98	-7.62	3.53	-0.63	-0.85	-0.89

						142.0	1.98	-7.62	3.53	-0.63	1.67	-6.31
68	3	11.17	0.01	2.84e-03	-0.93	0.0	-12.38	-13.78	-0.17	-0.14	0.01	11.17
		-9.07	-0.24	1.77e-05	0.0	71.0	-12.38	-14.25	-0.17	-0.14	-0.11	1.22
						142.0	-12.38	-14.72	-0.17	-0.14	-0.24	-9.07
68	8	17.02	0.22	4.29e-04	0.0	0.0	-1.21	2.77	0.32	-0.15	-0.25	13.65
		13.65	-0.25	-4.32e-05	0.0	71.0	-1.21	2.77	0.32	-0.15	-0.01	15.33
						142.0	-1.21	2.77	0.32	-0.15	0.22	17.02
68	9	1.89	-0.17	7.51e-05	0.0	0.0	2.73	-1.30	0.93	-0.77	-1.45	0.75
		0.75	-1.45	-8.30e-04	0.0	71.0	2.73	-1.30	0.93	-0.77	-0.81	1.32
						142.0	2.73	-1.30	0.93	-0.77	-0.17	1.89
68	10	2.37	0.31	1.98e-05	0.0	0.0	2.72	1.28	0.88	-0.75	-0.98	1.30
		1.30	-0.98	-9.96e-04	0.0	71.0	2.72	1.28	0.88	-0.75	-0.34	1.83
						142.0	2.72	1.28	0.88	-0.75	0.31	2.37
69	3	14.18	0.24	3.35e-03	-0.93	0.0	-11.65	-13.78	0.18	-0.07	-0.02	14.18
		-6.06	-0.02	8.44e-06	0.0	71.0	-11.65	-14.25	0.18	-0.07	0.11	4.23
						142.0	-11.65	-14.72	0.18	-0.07	0.24	-6.06
69	7	17.83	-0.10	3.96e-04	0.0	0.0	1.63	2.42	0.07	-0.18	-0.18	14.63
		14.63	-0.18	3.13e-05	0.0	71.0	1.63	2.42	0.07	-0.18	-0.14	16.23
						142.0	1.63	2.42	0.07	-0.18	-0.10	17.83
69	8	20.02	-0.14	4.52e-04	0.0	0.0	0.64	2.81	0.02	-0.13	-0.15	16.30
		16.30	-0.15	-3.53e-05	0.0	71.0	0.64	2.81	0.02	-0.13	-0.14	18.16
						142.0	0.64	2.81	0.02	-0.13	-0.14	20.02
69	9	1.22	-0.13	1.53e-04	0.0	0.0	-1.08	-1.03	1.01	-0.79	-1.45	0.41
		0.41	-1.45	-8.30e-04	0.0	71.0	-1.08	-1.03	1.01	-0.79	-0.79	0.82
						142.0	-1.08	-1.03	1.01	-0.79	-0.13	1.22
69	10	1.04	0.42	1.62e-04	0.0	0.0	1.01	1.01	0.98	-0.77	-0.99	0.70
		0.70	-0.99	-9.96e-04	0.0	71.0	1.01	1.01	0.98	-0.77	-0.28	0.87
						142.0	1.01	1.01	0.98	-0.77	0.42	1.04
70	3	17.03	7.98e-03	3.65e-03	-0.93	0.0	-15.14	-13.83	-0.16	-0.06	7.98e-03	17.03
		-3.26	-0.22	8.32e-06	0.0	71.0	-15.14	-14.29	-0.16	-0.06	-0.11	7.05
						142.0	-15.14	-14.75	-0.16	-0.06	-0.22	-3.26
70	7	17.53	0.22	3.87e-04	0.0	0.0	2.28	2.28	0.24	-0.11	-0.13	14.58
		14.58	-0.13	3.06e-05	0.0	71.0	2.28	2.28	0.24	-0.11	0.05	16.06
						142.0	2.28	2.28	0.24	-0.11	0.22	17.53
70	8	18.32	0.26	4.08e-04	0.0	0.0	2.16	2.41	0.24	-0.03	-0.08	15.21
		15.21	-0.08	-3.59e-05	0.0	71.0	2.16	2.41	0.24	-0.03	0.09	16.76
						142.0	2.16	2.41	0.24	-0.03	0.26	18.32
70	9	1.66	-0.47	-1.82e-04	0.0	0.0	1.86	-1.53	0.68	-0.80	-1.39	0.55
		0.55	-1.39	-8.30e-04	0.0	71.0	1.86	-1.53	0.68	-0.80	-0.93	1.10
						142.0	1.86	-1.53	0.68	-0.80	-0.47	1.66
71	3	10.89	-2.29e-03	3.09e-03	-0.93	0.0	-4.47	-13.79	-3.98e-04	-3.65e-04	-2.29e-03	10.89
		-9.35	-2.86e-03	0.0	0.0	71.0	-4.47	-14.25	-3.98e-04	-3.65e-04	-2.57e-03	0.93
						142.0	-4.47	-14.72	-3.98e-04	-3.65e-04	-2.86e-03	-9.35
71	4	0.10	2.31e-03	1.26e-05	0.0	0.0	0.32	-4.13e-03	1.51e-03	-4.90e-04	1.66e-04	0.10
		0.10	1.66e-04	0.0	0.0	71.0	0.32	-4.13e-03	1.51e-03	-4.90e-04	1.24e-03	0.10
						142.0	0.32	-4.13e-03	1.51e-03	-4.90e-04	2.31e-03	0.10
71	7	30.57	0.04	5.94e-04	0.0	0.0	-2.54	4.23	0.05	-0.04	-0.04	24.78
		24.78	-0.04	3.24e-05	0.0	71.0	-2.54	4.23	0.05	-0.04	2.56e-03	27.67
						142.0	-2.54	4.23	0.05	-0.04	0.04	30.57
71	9	0.03	0.80	-3.57e-06	0.0	0.0	-0.04	0.03	1.60	-0.71	-1.47	0.02
		0.02	-1.47	-8.43e-04	0.0	71.0	-0.04	0.03	1.60	-0.71	-0.34	0.03
						142.0	-0.04	0.03	1.60	-0.71	0.80	0.03
71	10	0.03	1.06	-3.62e-06	0.0	0.0	-0.04	0.03	1.45	-0.70	-1.00	0.02
		0.02	-1.00	-1.01e-03	0.0	71.0	-0.04	0.03	1.45	-0.70	0.03	0.03
						142.0	-0.04	0.03	1.45	-0.70	1.06	0.03
72	3	16.98	0.22	3.64e-03	-0.94	0.0	-15.08	-13.74	0.16	0.06	-0.01	16.98
		-3.20	-0.01	-7.96e-06	0.0	71.0	-15.08	-14.21	0.16	0.06	0.10	7.06
						142.0	-15.08	-14.68	0.16	0.06	0.22	-3.20
72	7	18.32	0.08	4.08e-04	0.0	0.0	2.19	2.40	-0.24	0.03	0.08	15.21
		15.21	-0.26	3.58e-05	0.0	71.0	2.19	2.40	-0.24	0.03	-0.09	16.76
						142.0	2.19	2.40	-0.24	0.03	-0.26	18.32
72	8	17.54	0.13	3.87e-04	0.0	0.0	2.30	2.28	-0.24	0.11	0.13	14.58
		14.58	-0.23	-3.06e-05	0.0	71.0	2.30	2.28	-0.24	0.11	-0.05	16.06
						142.0	2.30	2.28	-0.24	0.11	-0.23	17.54
72	9	-0.56	-0.47	1.85e-04	0.0	0.0	-1.87	1.54	0.69	-0.80	-1.40	-0.56
		-1.67	-1.40	-8.31e-04	0.0	71.0	-1.87	1.54	0.69	-0.80	-0.93	-1.11
						142.0	-1.87	1.54	0.69	-0.80	-0.47	-1.67
73	3	14.24	0.02	3.35e-03	-0.93	0.0	-11.71	-13.79	-0.19	0.07	0.02	14.24
		-6.00	-0.25	-8.04e-06	0.0	71.0	-11.71	-14.25	-0.19	0.07	-0.12	4.29
						142.0	-11.71	-14.72	-0.19	0.07	-0.25	-6.00
73	7	19.89	0.15	4.50e-04	0.0	0.0	0.65	2.78	-0.02	0.14	0.15	16.19
		16.19	0.14	3.51e-05	0.0	71.0	0.65	2.78	-0.02	0.14	0.15	18.04
						142.0	0.65	2.78	-0.02	0.14	0.14	19.89
73	8	17.72	0.18	3.95e-04	0.0	0.0	1.65	2.40	-0.07	0.19	0.18	14.54
		14.54	0.10	-3.14e-05	0.0	71.0	1.65	2.40	-0.07	0.19	0.14	16.13
						142.0	1.65	2.40	-0.07	0.19	0.10	17.72
73	9	-0.41	-0.13	-1.54e-04	0.0	0.0	1.09	1.04	1.01	-0.79	-1.46	-0.41

		-1.23	-1.46	-8.30e-04	0.0	71.0	1.09	1.04	1.01	-0.79	-0.80	-0.82
						142.0	1.09	1.04	1.01	-0.79	-0.13	-1.23
73	10	-0.70	0.41	-1.63e-04	0.0	0.0	-1.03	1.02	0.97	-0.77	-0.99	-0.70
		-1.05	-0.99	-9.96e-04	0.0	71.0	-1.03	1.02	0.97	-0.77	-0.29	-0.87
						142.0	-1.03	1.02	0.97	-0.77	0.41	-1.05
74	3	11.12	0.22	2.83e-03	-0.93	0.0	-12.33	-13.78	0.17	0.14	-0.02	11.12
		-9.12	-0.02	-1.72e-05	0.0	71.0	-12.33	-14.25	0.17	0.14	0.10	1.16
						142.0	-12.33	-14.72	0.17	0.14	0.22	-9.12
74	4	0.08	0.01	1.02e-05	0.0	0.0	0.21	-1.51e-03	5.05e-03	2.62e-03	3.44e-03	0.08
		0.08	3.44e-03	0.0	0.0	71.0	0.21	-1.51e-03	5.05e-03	2.62e-03	7.03e-03	0.08
						142.0	0.21	-1.51e-03	5.05e-03	2.62e-03	0.01	0.08
74	7	17.13	0.25	4.31e-04	0.0	0.0	-1.22	2.79	-0.31	0.15	0.25	13.74
		13.74	-0.21	4.29e-05	0.0	71.0	-1.22	2.79	-0.31	0.15	0.02	15.44
						142.0	-1.22	2.79	-0.31	0.15	-0.21	17.13
74	9	-0.74	-0.17	-7.34e-05	0.0	0.0	-2.72	1.31	0.95	-0.77	-1.46	-0.74
		-1.88	-1.46	-8.31e-04	0.0	71.0	-2.72	1.31	0.95	-0.77	-0.81	-1.31
						142.0	-2.72	1.31	0.95	-0.77	-0.17	-1.88
74	10	-1.28	0.31	-1.76e-05	0.0	0.0	-2.71	-1.29	0.89	-0.75	-0.99	-1.28
		-2.35	-0.99	-9.97e-04	0.0	71.0	-2.71	-1.29	0.89	-0.75	-0.34	-1.82
						142.0	-2.71	-1.29	0.89	-0.75	0.31	-2.35
75	7	7.54	2.95	2.32e-04	0.0	0.0	-4.02	2.80	-4.02	0.11	2.95	3.86
		3.86	-2.77	5.98e-05	0.0	71.0	-4.02	2.80	-4.02	0.11	0.09	5.70
						142.0	-4.02	2.80	-4.02	0.11	-2.77	7.54
75	9	6.31	1.67	-1.20e-03	0.0	0.0	-1.96	7.62	3.54	-0.63	-3.37	-4.53
		-4.53	-3.37	-8.52e-04	0.0	71.0	-1.96	7.62	3.54	-0.63	-0.85	0.89
						142.0	-1.96	7.62	3.54	-0.63	1.67	6.31
75	10	6.03	2.33	-1.15e-03	0.0	0.0	2.09	7.06	3.88	-0.61	-3.19	-4.03
		-4.03	-3.19	-1.02e-03	0.0	71.0	2.09	7.06	3.88	-0.61	-0.43	1.00
						142.0	2.09	7.06	3.88	-0.61	2.33	6.03
76	3	0.77	0.0	-7.22e-04	-3.18	0.0	-3.64	1.59	0.0	-0.10	0.0	0.0
		0.0	0.0	1.38e-04	0.0	96.5	-3.64	0.0	0.0	-0.10	0.0	0.77
						193.0	-3.64	-1.59	0.0	-0.10	0.0	0.0
76	7	0.0	0.0	-3.28e-04	0.0	0.0	6.25	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	-8.91e-04	0.0	96.5	6.25	0.0	0.0	-0.02	0.0	0.0
						193.0	6.25	0.0	0.0	-0.02	0.0	0.0
76	9	0.0	0.0	6.71e-04	0.0	0.0	6.94	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	7.97e-05	0.0	96.5	6.94	0.0	0.0	-0.03	0.0	0.0
						193.0	6.94	0.0	0.0	-0.03	0.0	0.0
77	3	0.77	0.0	-1.24e-03	-3.18	0.0	-6.18	1.59	0.0	-0.08	0.0	0.0
		0.0	0.0	1.14e-04	0.0	96.5	-6.18	0.0	0.0	-0.08	0.0	0.77
						193.0	-6.18	-1.59	0.0	-0.08	0.0	0.0
77	7	0.0	0.0	-3.47e-04	0.0	0.0	-0.78	0.0	0.0	6.90e-03	0.0	0.0
		0.0	0.0	-9.12e-04	0.0	96.5	-0.78	0.0	0.0	6.90e-03	0.0	0.0
						193.0	-0.78	0.0	0.0	6.90e-03	0.0	0.0
77	8	0.0	0.0	-3.54e-04	0.0	0.0	-0.48	0.0	0.0	6.48e-03	0.0	0.0
		0.0	0.0	-1.24e-03	0.0	96.5	-0.48	0.0	0.0	6.48e-03	0.0	0.0
						193.0	-0.48	0.0	0.0	6.48e-03	0.0	0.0
77	9	0.0	0.0	7.52e-04	0.0	0.0	5.21	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	7.09e-05	0.0	96.5	5.21	0.0	0.0	-0.03	0.0	0.0
						193.0	5.21	0.0	0.0	-0.03	0.0	0.0
78	1	0.16	0.0	-5.73e-04	-0.65	0.0	-3.16	0.32	0.0	-0.02	0.0	0.0
		0.0	0.0	2.99e-05	0.0	96.5	-3.16	0.0	0.0	-0.02	0.0	0.16
						193.0	-3.16	-0.32	0.0	-0.02	0.0	0.0
78	3	0.77	0.0	-1.64e-03	-3.18	0.0	-7.87	1.59	0.0	-0.06	0.0	0.0
		0.0	0.0	8.20e-05	0.0	96.5	-7.87	0.0	0.0	-0.06	0.0	0.77
						193.0	-7.87	-1.59	0.0	-0.06	0.0	0.0
78	7	0.0	0.0	-2.78e-04	0.0	0.0	-1.92	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-9.30e-04	0.0	96.5	-1.92	0.0	0.0	0.02	0.0	0.0
						193.0	-1.92	0.0	0.0	0.02	0.0	0.0
78	8	0.0	0.0	-2.86e-04	0.0	0.0	-1.89	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-1.26e-03	0.0	96.5	-1.89	0.0	0.0	0.02	0.0	0.0
						193.0	-1.89	0.0	0.0	0.02	0.0	0.0
78	9	0.0	0.0	9.47e-04	0.0	0.0	3.81	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	6.42e-05	0.0	96.5	3.81	0.0	0.0	-0.03	0.0	0.0
						193.0	3.81	0.0	0.0	-0.03	0.0	0.0
79	3	0.77	0.0	-1.89e-03	-3.18	0.0	-8.60	1.59	0.0	-0.03	0.0	0.0
		0.0	0.0	4.21e-05	0.0	96.5	-8.60	0.0	0.0	-0.03	0.0	0.77
						193.0	-8.60	-1.59	0.0	-0.03	0.0	0.0
79	7	0.0	0.0	-1.51e-04	0.0	0.0	-0.82	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-9.42e-04	0.0	96.5	-0.82	0.0	0.0	0.03	0.0	0.0
						193.0	-0.82	0.0	0.0	0.03	0.0	0.0
79	8	0.0	0.0	-1.55e-04	0.0	0.0	-0.97	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-1.27e-03	0.0	96.5	-0.97	0.0	0.0	0.03	0.0	0.0
						193.0	-0.97	0.0	0.0	0.03	0.0	0.0
79	9	0.0	0.0	1.13e-03	0.0	0.0	3.40	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	5.82e-05	0.0	96.5	3.40	0.0	0.0	-0.01	0.0	0.0
						193.0	3.40	0.0	0.0	-0.01	0.0	0.0

80	1	0.16	0.0	-6.93e-04	-0.65	0.0	-3.32	0.32	0.0	3.65e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.5	-3.32	0.0	0.0	3.65e-04	0.0	0.16
						193.0	-3.32	-0.32	0.0	3.65e-04	0.0	0.0
80	3	0.77	0.0	-1.97e-03	-3.18	0.0	-8.39	1.59	0.0	1.01e-03	0.0	0.0
		0.0	0.0	-1.86e-06	0.0	96.5	-8.39	0.0	0.0	1.01e-03	0.0	0.77
						193.0	-8.39	-1.59	0.0	1.01e-03	0.0	0.0
80	8	0.0	0.0	6.93e-06	0.0	0.0	0.04	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-1.28e-03	0.0	96.5	0.04	0.0	0.0	0.03	0.0	0.0
						193.0	0.04	0.0	0.0	0.03	0.0	0.0
80	10	0.0	0.0	1.21e-03	0.0	0.0	4.39	0.0	0.0	4.00e-03	0.0	0.0
		0.0	0.0	-5.22e-05	0.0	96.5	4.39	0.0	0.0	4.00e-03	0.0	0.0
						193.0	4.39	0.0	0.0	4.00e-03	0.0	0.0
81	3	0.77	0.0	-1.88e-03	-3.18	0.0	-8.59	1.59	0.0	0.03	0.0	0.0
		0.0	0.0	-4.57e-05	0.0	96.5	-8.59	0.0	0.0	0.03	0.0	0.77
						193.0	-8.59	-1.59	0.0	0.03	0.0	0.0
81	6	0.61	0.0	-1.50e-03	-2.54	0.0	-6.87	1.27	0.0	0.03	0.0	0.0
		0.0	0.0	-3.66e-05	0.0	96.5	-6.87	0.0	0.0	0.03	0.0	0.61
						193.0	-6.87	-1.27	0.0	0.03	0.0	0.0
81	7	0.0	0.0	1.61e-04	0.0	0.0	0.89	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-9.41e-04	0.0	96.5	0.89	0.0	0.0	0.03	0.0	0.0
						193.0	0.89	0.0	0.0	0.03	0.0	0.0
81	10	0.0	0.0	1.12e-03	0.0	0.0	3.37	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-5.79e-05	0.0	96.5	3.37	0.0	0.0	0.02	0.0	0.0
						193.0	3.37	0.0	0.0	0.02	0.0	0.0
82	3	0.77	0.0	-1.62e-03	-3.18	0.0	-7.83	1.59	0.0	0.06	0.0	0.0
		0.0	0.0	-8.51e-05	0.0	96.5	-7.83	0.0	0.0	0.06	0.0	0.77
						193.0	-7.83	-1.59	0.0	0.06	0.0	0.0
82	7	0.0	0.0	2.86e-04	0.0	0.0	1.96	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-9.29e-04	0.0	96.5	1.96	0.0	0.0	0.02	0.0	0.0
						193.0	1.96	0.0	0.0	0.02	0.0	0.0
82	8	0.0	0.0	2.95e-04	0.0	0.0	1.93	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-1.26e-03	0.0	96.5	1.93	0.0	0.0	0.02	0.0	0.0
						193.0	1.93	0.0	0.0	0.02	0.0	0.0
82	10	0.0	0.0	9.34e-04	0.0	0.0	3.94	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-6.40e-05	0.0	96.5	3.94	0.0	0.0	0.03	0.0	0.0
						193.0	3.94	0.0	0.0	0.03	0.0	0.0
83	3	0.77	0.0	-1.21e-03	-3.18	0.0	-6.08	1.59	0.0	0.08	0.0	0.0
		0.0	0.0	-1.17e-04	0.0	96.5	-6.08	0.0	0.0	0.08	0.0	0.77
						193.0	-6.08	-1.59	0.0	0.08	0.0	0.0
83	7	0.0	0.0	3.50e-04	0.0	0.0	-1.10	0.0	0.0	6.89e-03	0.0	0.0
		0.0	0.0	-9.11e-04	0.0	96.5	-1.10	0.0	0.0	6.89e-03	0.0	0.0
						193.0	-1.10	0.0	0.0	6.89e-03	0.0	0.0
83	10	0.0	0.0	7.42e-04	0.0	0.0	5.15	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-7.07e-05	0.0	96.5	5.15	0.0	0.0	0.03	0.0	0.0
						193.0	5.15	0.0	0.0	0.03	0.0	0.0
84	3	0.77	0.0	-6.85e-04	-3.18	0.0	-3.61	1.59	0.0	0.10	0.0	0.0
		0.0	0.0	-1.41e-04	0.0	96.5	-3.61	0.0	0.0	0.10	0.0	0.77
						193.0	-3.61	-1.59	0.0	0.10	0.0	0.0
84	7	0.0	0.0	3.23e-04	0.0	0.0	-6.71	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	-8.90e-04	0.0	96.5	-6.71	0.0	0.0	-0.02	0.0	0.0
						193.0	-6.71	0.0	0.0	-0.02	0.0	0.0
84	8	0.0	0.0	3.21e-04	0.0	0.0	-3.09	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.22e-03	0.0	96.5	-3.09	0.0	0.0	-0.02	0.0	0.0
						193.0	-3.09	0.0	0.0	-0.02	0.0	0.0
84	10	0.0	0.0	6.71e-04	0.0	0.0	6.38	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-7.98e-05	0.0	96.5	6.38	0.0	0.0	0.03	0.0	0.0
						193.0	6.38	0.0	0.0	0.03	0.0	0.0
85	3	6.00	0.01	2.40e-04	-0.93	0.0	2.87	2.72	0.09	-0.15	-0.12	2.80
		2.80	-0.12	1.55e-05	0.0	71.0	2.87	2.26	0.09	-0.15	-0.05	4.57
						142.0	2.87	1.79	0.09	-0.15	0.01	6.00
85	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
85	8	3.34	2.40	1.48e-04	0.0	0.0	-2.12	1.02	3.61	0.07	-2.72	2.06
		2.06	-2.72	-6.36e-05	0.0	71.0	-2.12	1.02	3.61	0.07	-0.16	2.70
						142.0	-2.12	1.02	3.61	0.07	2.40	3.34
85	9	11.64	0.46	1.10e-03	0.0	0.0	2.45	-5.87	2.35	-0.50	-2.90	11.64
		3.32	-2.90	-5.88e-04	0.0	71.0	2.45	-5.87	2.35	-0.50	-1.22	7.48
						142.0	2.45	-5.87	2.35	-0.50	0.46	3.32
85	10	10.67	1.31	1.06e-03	0.0	0.0	-2.55	-5.58	3.09	-0.50	-3.09	10.67
		2.79	-3.09	-8.57e-04	0.0	71.0	-2.55	-5.58	3.09	-0.50	-0.89	6.73
						142.0	-2.55	-5.58	3.09	-0.50	1.31	2.79
86	1	8.89	0.01	9.16e-04	-0.92	0.0	-6.45	-3.40	0.03	-0.04	-0.02	8.89
		3.41	-0.02	3.34e-06	0.0	71.0	-6.45	-3.86	0.03	-0.04	-5.85e-03	6.32
						142.0	-6.45	-4.32	0.03	-0.04	0.01	3.41
86	3	24.08	0.01	2.45e-03	-0.93	0.0	-16.10	-9.67	0.05	-0.09	-0.05	24.08
		9.68	-0.05	7.39e-06	0.0	71.0	-16.10	-10.14	0.05	-0.09	-0.02	17.05

						142.0	-16.10	-10.60	0.05	-0.09	0.01	9.68
86	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
86	9	1.79	-1.45	-4.18e-05	0.0	0.0	4.47	-1.05	-0.15	-0.59	-1.61	1.79
		1.30	-1.61	-5.76e-04	0.0	71.0	4.47	-1.05	-0.15	-0.59	-1.53	1.55
						142.0	4.47	-1.05	-0.15	-0.59	-1.45	1.30
87	3	28.01	-0.02	2.84e-03	-0.93	0.0	-13.33	-9.67	7.00e-03	-0.06	-0.03	28.01
		13.61	-0.03	5.61e-06	0.0	71.0	-13.33	-10.14	7.00e-03	-0.06	-0.03	20.98
						142.0	-13.33	-10.60	7.00e-03	-0.06	-0.02	13.61
87	4	0.08	3.77e-04	6.24e-06	0.0	0.0	0.19	-3.15e-03	-1.84e-03	-1.89e-03	3.77e-04	0.08
		0.08	-2.23e-03	0.0	0.0	71.0	0.19	-3.15e-03	-1.84e-03	-1.89e-03	-9.28e-04	0.08
						142.0	0.19	-3.15e-03	-1.84e-03	-1.89e-03	-2.23e-03	0.08
87	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
87	9	1.32	-1.45	1.51e-04	0.0	0.0	1.54	-0.86	-0.16	-0.63	-1.64	1.32
		0.36	-1.64	-5.70e-04	0.0	71.0	1.54	-0.86	-0.16	-0.63	-1.54	0.84
						142.0	1.54	-0.86	-0.16	-0.63	-1.45	0.36
88	3	30.65	7.98e-03	3.05e-03	-0.93	0.0	-17.33	-9.70	0.02	-0.03	-0.01	30.65
		16.21	-0.01	2.24e-06	0.0	71.0	-17.33	-10.17	0.02	-0.03	-3.12e-03	23.60
						142.0	-17.33	-10.63	0.02	-0.03	7.98e-03	16.21
88	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
88	9	1.89	-1.39	-1.83e-04	0.0	0.0	2.70	-1.21	0.20	-0.65	-1.65	1.89
		0.24	-1.65	-5.68e-04	0.0	71.0	2.70	-1.21	0.20	-0.65	-1.52	1.07
						142.0	2.70	-1.21	0.20	-0.65	-1.39	0.24
89	3	25.52	9.09e-04	2.68e-03	-0.93	0.0	-4.25	-9.67	-2.25e-03	5.23e-04	9.09e-04	25.52
		11.12	-2.29e-03	0.0	0.0	71.0	-4.25	-10.14	-2.25e-03	5.23e-04	-6.91e-04	18.48
						142.0	-4.25	-10.61	-2.25e-03	5.23e-04	-2.29e-03	11.12
89	4	0.10	1.66e-04	9.25e-06	0.0	0.0	0.31	-4.13e-03	1.37e-04	-6.48e-04	-2.93e-05	0.10
		0.10	-2.93e-05	0.0	0.0	71.0	0.31	-4.13e-03	1.37e-04	-6.48e-04	6.83e-05	0.10
						142.0	0.31	-4.13e-03	1.37e-04	-6.48e-04	1.66e-04	0.10
89	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
89	8	24.63	0.04	-2.53e-04	0.0	0.0	-2.81	5.26	0.02	0.03	-0.01	17.23
		17.23	-0.01	-3.65e-05	0.0	71.0	-2.81	5.26	0.02	0.03	0.01	20.93
						142.0	-2.81	5.26	0.02	0.03	0.04	24.63
89	9	0.04	-1.47	-3.38e-06	0.0	0.0	-0.04	0.02	-0.15	-0.67	-1.65	0.04
		0.02	-1.65	-5.65e-04	0.0	71.0	-0.04	0.02	-0.15	-0.67	-1.56	0.03
						142.0	-0.04	0.02	-0.15	-0.67	-1.47	0.02
90	3	30.54	0.02	3.04e-03	-0.94	0.0	-17.22	-9.64	-0.02	0.03	0.02	30.54
		16.18	-0.01	-1.47e-06	0.0	71.0	-17.22	-10.11	-0.02	0.03	1.67e-03	23.52
						142.0	-17.22	-10.58	-0.02	0.03	-0.01	16.18
90	8	14.56	0.13	-1.20e-04	0.0	0.0	2.17	2.77	0.06	0.05	0.05	10.70
		10.70	0.05	-3.43e-05	0.0	71.0	2.17	2.77	0.06	0.05	0.09	12.63
						142.0	2.17	2.77	0.06	0.05	0.13	14.56
90	9	-0.25	-1.40	1.86e-04	0.0	0.0	-2.72	1.23	0.20	-0.64	-1.65	-1.92
		-1.92	-1.65	-5.68e-04	0.0	71.0	-2.72	1.23	0.20	-0.64	-1.52	-1.08
						142.0	-2.72	1.23	0.20	-0.64	-1.40	-0.25
91	3	28.05	0.04	2.84e-03	-0.93	0.0	-13.42	-9.67	-0.01	0.06	0.04	28.05
		13.65	0.02	-4.86e-06	0.0	71.0	-13.42	-10.14	-0.01	0.06	0.03	21.02
						142.0	-13.42	-10.61	-0.01	0.06	0.02	13.65
91	8	14.34	0.18	-1.09e-04	0.0	0.0	1.06	2.88	0.07	0.05	0.09	10.33
		10.33	0.09	-2.85e-05	0.0	71.0	1.06	2.88	0.07	0.05	0.14	12.34
						142.0	1.06	2.88	0.07	0.05	0.18	14.34
91	9	-0.35	-1.46	-1.51e-04	0.0	0.0	-1.55	0.87	-0.16	-0.63	-1.64	-1.33
		-1.33	-1.64	-5.69e-04	0.0	71.0	-1.55	0.87	-0.16	-0.63	-1.55	-0.84
						142.0	-1.55	0.87	-0.16	-0.63	-1.46	-0.35
91	10	-0.60	-0.99	-1.48e-04	0.0	0.0	-1.52	0.84	0.23	-0.62	-1.29	-1.54
		-1.54	-1.29	-8.37e-04	0.0	71.0	-1.52	0.84	0.23	-0.62	-1.14	-1.07
						142.0	-1.52	0.84	0.23	-0.62	-0.99	-0.60
92	3	24.04	0.06	2.45e-03	-0.93	0.0	-16.04	-9.67	-0.05	0.09	0.06	24.04
		9.64	-0.02	-6.66e-06	0.0	71.0	-16.04	-10.14	-0.05	0.09	0.02	17.00
						142.0	-16.04	-10.60	-0.05	0.09	-0.02	9.64
92	4	0.08	3.44e-03	7.50e-06	0.0	0.0	0.21	-1.51e-03	3.03e-03	1.52e-03	-8.58e-04	0.08
		0.08	-8.58e-04	-1.10e-06	0.0	71.0	0.21	-1.51e-03	3.03e-03	1.52e-03	1.29e-03	0.08
						142.0	0.21	-1.51e-03	3.03e-03	1.52e-03	3.44e-03	0.08
92	7	13.71	0.25	-6.28e-05	0.0	0.0	-1.28	2.97	0.08	-0.02	0.14	9.68
		9.68	0.14	5.13e-05	0.0	71.0	-1.28	2.97	0.08	-0.02	0.19	11.69
						142.0	-1.28	2.97	0.08	-0.02	0.25	13.71
92	9	-1.28	-1.46	4.40e-05	0.0	0.0	-4.46	1.05	-0.14	-0.59	-1.61	-1.80
		-1.80	-1.61	-5.75e-04	0.0	71.0	-4.46	1.05	-0.14	-0.59	-1.53	-1.54
						142.0	-4.46	1.05	-0.14	-0.59	-1.46	-1.28
92	10	-1.87	-0.99	1.05e-04	0.0	0.0	-4.35	-1.08	0.23	-0.58	-1.28	-2.02

		-2.02	-1.28	-8.44e-04	0.0	71.0	-4.35	-1.08	0.23	-0.58	-1.13	-1.95
						142.0	-4.35	-1.08	0.23	-0.58	-0.99	-1.87
93	3	5.95	0.13	2.41e-04	-0.93	0.0	2.83	2.70	-0.11	0.16	0.13	2.78
		2.78	-0.02	-1.48e-05	0.0	71.0	2.83	2.23	-0.11	0.16	0.05	4.53
						142.0	2.83	1.77	-0.11	0.16	-0.02	5.95
93	7	3.37	2.73	1.48e-04	0.0	0.0	-2.09	1.03	-3.62	-0.07	2.73	2.08
		2.08	-2.41	6.39e-05	0.0	71.0	-2.09	1.03	-3.62	-0.07	0.16	2.73
						142.0	-2.09	1.03	-3.62	-0.07	-2.41	3.37
93	9	-3.32	0.44	-1.10e-03	0.0	0.0	-2.44	5.88	2.33	-0.50	-2.89	-11.64
		-11.64	-2.89	-5.87e-04	0.0	71.0	-2.44	5.88	2.33	-0.50	-1.23	-7.48
						142.0	-2.44	5.88	2.33	-0.50	0.44	-3.32
93	10	-2.79	1.30	-1.06e-03	0.0	0.0	2.58	5.58	3.08	-0.50	-3.08	-10.68
		-10.68	-3.08	-8.56e-04	0.0	71.0	2.58	5.58	3.08	-0.50	-0.89	-6.74
						142.0	2.58	5.58	3.08	-0.50	1.30	-2.79
94	3	0.77	0.0	-5.20e-04	-3.18	0.0	-5.69	1.59	0.0	-0.06	0.0	0.0
		0.0	0.0	6.21e-05	0.0	96.5	-5.69	0.0	0.0	-0.06	0.0	0.77
						193.0	-5.69	-1.59	0.0	-0.06	0.0	0.0
94	6	0.61	0.0	-4.16e-04	-2.54	0.0	-4.55	1.27	0.0	-0.05	0.0	0.0
		0.0	0.0	4.97e-05	0.0	96.5	-4.55	0.0	0.0	-0.05	0.0	0.61
						193.0	-4.55	-1.27	0.0	-0.05	0.0	0.0
94	7	0.0	0.0	-4.32e-05	0.0	0.0	10.65	0.0	0.0	0.01	0.0	0.0
		0.0	0.0	-4.41e-04	0.0	96.5	10.65	0.0	0.0	0.01	0.0	0.0
						193.0	10.65	0.0	0.0	0.01	0.0	0.0
94	8	0.0	0.0	-7.24e-05	0.0	0.0	8.03	0.0	0.0	8.50e-03	0.0	0.0
		0.0	0.0	-9.43e-04	0.0	96.5	8.03	0.0	0.0	8.50e-03	0.0	0.0
						193.0	8.03	0.0	0.0	8.50e-03	0.0	0.0
95	3	0.77	0.0	-8.04e-04	-3.18	0.0	-5.89	1.59	0.0	-0.04	0.0	0.0
		0.0	0.0	4.39e-05	0.0	96.5	-5.89	0.0	0.0	-0.04	0.0	0.77
						193.0	-5.89	-1.59	0.0	-0.04	0.0	0.0
95	8	0.0	0.0	-6.48e-05	0.0	0.0	1.14	0.0	0.0	4.16e-03	0.0	0.0
		0.0	0.0	-9.43e-04	0.0	96.5	1.14	0.0	0.0	4.16e-03	0.0	0.0
						193.0	1.14	0.0	0.0	4.16e-03	0.0	0.0
95	9	0.0	0.0	-7.88e-04	0.0	0.0	3.00	0.0	0.0	-0.05	0.0	0.0
		0.0	0.0	8.67e-05	0.0	96.5	3.00	0.0	0.0	-0.05	0.0	0.0
						193.0	3.00	0.0	0.0	-0.05	0.0	0.0
95	10	0.0	0.0	-7.80e-04	0.0	0.0	2.61	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	-2.57e-05	0.0	96.5	2.61	0.0	0.0	-0.06	0.0	0.0
						193.0	2.61	0.0	0.0	-0.06	0.0	0.0
96	1	0.16	0.0	-3.93e-04	-0.65	0.0	-3.07	0.32	0.0	-9.79e-03	0.0	0.0
		0.0	0.0	1.05e-05	0.0	96.5	-3.07	0.0	0.0	-9.79e-03	0.0	0.16
						193.0	-3.07	-0.32	0.0	-9.79e-03	0.0	0.0
96	3	0.77	0.0	-1.00e-03	-3.18	0.0	-7.68	1.59	0.0	-0.03	0.0	0.0
		0.0	0.0	2.81e-05	0.0	96.5	-7.68	0.0	0.0	-0.03	0.0	0.77
						193.0	-7.68	-1.59	0.0	-0.03	0.0	0.0
96	8	0.0	0.0	-5.16e-05	0.0	0.0	-1.62	0.0	0.0	4.37e-03	0.0	0.0
		0.0	0.0	-9.46e-04	0.0	96.5	-1.62	0.0	0.0	4.37e-03	0.0	0.0
						193.0	-1.62	0.0	0.0	4.37e-03	0.0	0.0
96	9	0.0	0.0	-1.13e-03	0.0	0.0	2.36	0.0	0.0	-0.05	0.0	0.0
		0.0	0.0	8.42e-05	0.0	96.5	2.36	0.0	0.0	-0.05	0.0	0.0
						193.0	2.36	0.0	0.0	-0.05	0.0	0.0
97	3	0.77	0.0	-1.11e-03	-3.18	0.0	-8.46	1.59	0.0	-0.01	0.0	0.0
		0.0	0.0	1.34e-05	0.0	96.5	-8.46	0.0	0.0	-0.01	0.0	0.77
						193.0	-8.46	-1.59	0.0	-0.01	0.0	0.0
97	7	0.0	0.0	1.00e-05	0.0	0.0	-1.01	0.0	0.0	-7.96e-03	0.0	0.0
		0.0	0.0	-4.28e-04	0.0	96.5	-1.01	0.0	0.0	-7.96e-03	0.0	0.0
						193.0	-1.01	0.0	0.0	-7.96e-03	0.0	0.0
97	8	0.0	0.0	-2.73e-05	0.0	0.0	-1.08	0.0	0.0	9.70e-03	0.0	0.0
		0.0	0.0	-9.48e-04	0.0	96.5	-1.08	0.0	0.0	9.70e-03	0.0	0.0
						193.0	-1.08	0.0	0.0	9.70e-03	0.0	0.0
97	9	0.0	0.0	-1.36e-03	0.0	0.0	2.11	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	7.65e-05	0.0	96.5	2.11	0.0	0.0	-0.02	0.0	0.0
						193.0	2.11	0.0	0.0	-0.02	0.0	0.0
98	1	0.16	0.0	-4.49e-04	-0.65	0.0	-3.32	0.32	0.0	1.69e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.5	-3.32	0.0	0.0	1.69e-04	0.0	0.16
						193.0	-3.32	-0.32	0.0	1.69e-04	0.0	0.0
98	3	0.77	0.0	-1.15e-03	-3.18	0.0	-8.37	1.59	0.0	4.38e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.5	-8.37	0.0	0.0	4.38e-04	0.0	0.77
						193.0	-8.37	-1.59	0.0	4.38e-04	0.0	0.0
98	7	0.0	0.0	3.39e-06	0.0	0.0	0.04	0.0	0.0	-9.95e-03	0.0	0.0
		0.0	0.0	-4.28e-04	0.0	96.5	0.04	0.0	0.0	-9.95e-03	0.0	0.0
						193.0	0.04	0.0	0.0	-9.95e-03	0.0	0.0
98	10	0.0	0.0	-1.45e-03	0.0	0.0	2.62	0.0	0.0	-1.47e-03	0.0	0.0
		0.0	0.0	-6.31e-05	0.0	96.5	2.62	0.0	0.0	-1.47e-03	0.0	0.0
						193.0	2.62	0.0	0.0	-1.47e-03	0.0	0.0
99	3	0.77	0.0	-1.11e-03	-3.18	0.0	-8.45	1.59	0.0	0.01	0.0	0.0
		0.0	0.0	-1.52e-05	0.0	96.5	-8.45	0.0	0.0	0.01	0.0	0.77
						193.0	-8.45	-1.59	0.0	0.01	0.0	0.0

99	8	0.0	0.0	3.58e-05	0.0	0.0	1.16	0.0	0.0	9.35e-03	0.0	0.0
		0.0	0.0	-9.48e-04	0.0	96.5	1.16	0.0	0.0	9.35e-03	0.0	0.0
						193.0	1.16	0.0	0.0	9.35e-03	0.0	0.0
99	10	0.0	0.0	-1.35e-03	0.0	0.0	2.11	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-7.59e-05	0.0	96.5	2.11	0.0	0.0	0.03	0.0	0.0
						193.0	2.11	0.0	0.0	0.03	0.0	0.0
100	3	0.77	0.0	-9.90e-04	-3.18	0.0	-7.63	1.59	0.0	0.03	0.0	0.0
		0.0	0.0	-2.99e-05	0.0	96.5	-7.63	0.0	0.0	0.03	0.0	0.77
						193.0	-7.63	-1.59	0.0	0.03	0.0	0.0
100	7	0.0	0.0	-6.06e-06	0.0	0.0	1.62	0.0	0.0	2.85e-03	0.0	0.0
		0.0	0.0	-4.29e-04	0.0	96.5	1.62	0.0	0.0	2.85e-03	0.0	0.0
						193.0	1.62	0.0	0.0	2.85e-03	0.0	0.0
100	10	0.0	0.0	-1.11e-03	0.0	0.0	2.43	0.0	0.0	0.05	0.0	0.0
		0.0	0.0	-8.30e-05	0.0	96.5	2.43	0.0	0.0	0.05	0.0	0.0
						193.0	2.43	0.0	0.0	0.05	0.0	0.0
101	3	0.77	0.0	-7.89e-04	-3.18	0.0	-5.82	1.59	0.0	0.04	0.0	0.0
		0.0	0.0	-4.58e-05	0.0	96.5	-5.82	0.0	0.0	0.04	0.0	0.77
						193.0	-5.82	-1.59	0.0	0.04	0.0	0.0
101	7	0.0	0.0	6.16e-06	0.0	0.0	-1.93	0.0	0.0	6.63e-03	0.0	0.0
		0.0	0.0	-4.33e-04	0.0	96.5	-1.93	0.0	0.0	6.63e-03	0.0	0.0
						193.0	-1.93	0.0	0.0	6.63e-03	0.0	0.0
101	10	0.0	0.0	-7.64e-04	0.0	0.0	2.88	0.0	0.0	0.05	0.0	0.0
		0.0	0.0	-8.50e-05	0.0	96.5	2.88	0.0	0.0	0.05	0.0	0.0
						193.0	2.88	0.0	0.0	0.05	0.0	0.0
102	3	0.77	0.0	-4.99e-04	-3.18	0.0	-5.77	1.59	0.0	0.06	0.0	0.0
		0.0	0.0	-6.42e-05	0.0	96.5	-5.77	0.0	0.0	0.06	0.0	0.77
						193.0	-5.77	-1.59	0.0	0.06	0.0	0.0
102	7	0.0	0.0	5.01e-05	0.0	0.0	-11.18	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	-4.42e-04	0.0	96.5	-11.18	0.0	0.0	0.02	0.0	0.0
						193.0	-11.18	0.0	0.0	0.02	0.0	0.0
102	10	0.0	0.0	-4.29e-04	0.0	0.0	3.65	0.0	0.0	0.05	0.0	0.0
		0.0	0.0	-8.20e-05	0.0	96.5	3.65	0.0	0.0	0.05	0.0	0.0
						193.0	3.65	0.0	0.0	0.05	0.0	0.0
103	3	3.90	-0.03	1.36e-04	-0.93	0.0	5.53	1.44	-0.04	-0.06	-0.03	2.52
		2.52	-0.08	6.50e-06	0.0	71.0	5.53	0.97	-0.04	-0.06	-0.05	3.37
						142.0	5.53	0.51	-0.04	-0.06	-0.08	3.90
103	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
103	8	1.82	2.22	1.43e-04	0.0	0.0	-1.20	-0.68	3.19	0.20	-2.31	1.82
		1.58	-2.31	-5.94e-05	0.0	71.0	-1.20	-0.68	3.19	0.20	-0.05	1.70
						142.0	-1.20	-0.68	3.19	0.20	2.22	1.58
103	9	14.19	-0.58	7.02e-04	0.0	0.0	2.95	-2.53	1.18	-0.34	-2.25	14.19
		10.64	-2.25	-2.71e-04	0.0	71.0	2.95	-2.53	1.18	-0.34	-1.42	12.41
						142.0	2.95	-2.53	1.18	-0.34	-0.58	10.64
103	10	13.61	0.33	6.98e-04	0.0	0.0	-3.16	-2.83	2.10	-0.34	-2.66	13.61
		9.63	-2.66	-6.15e-04	0.0	71.0	-3.16	-2.83	2.10	-0.34	-1.16	11.62
						142.0	-3.16	-2.83	2.10	-0.34	0.33	9.63
104	3	31.43	-0.04	1.62e-03	-0.93	0.0	-19.11	-5.56	-6.35e-03	-0.04	-0.04	31.43
		22.87	-0.05	4.25e-06	0.0	71.0	-19.11	-6.03	-6.35e-03	-0.04	-0.05	27.32
						142.0	-19.11	-6.49	-6.35e-03	-0.04	-0.05	22.87
104	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
104	8	9.77	0.06	-3.53e-04	0.0	0.0	-0.90	3.44	-0.13	0.09	0.06	4.91
		4.91	-0.13	-4.42e-05	0.0	71.0	-0.90	3.44	-0.13	0.09	-0.04	7.34
						142.0	-0.90	3.44	-0.13	0.09	-0.13	9.77
104	9	2.65	-1.61	-7.48e-05	0.0	0.0	5.88	-0.69	-0.04	-0.36	-1.65	2.65
		1.98	-1.65	-2.69e-04	0.0	71.0	5.88	-0.69	-0.04	-0.36	-1.63	2.32
						142.0	5.88	-0.69	-0.04	-0.36	-1.61	1.98
105	3	36.17	-0.03	1.87e-03	-0.93	0.0	-14.49	-5.56	-3.07e-03	-0.03	-0.03	36.17
		27.61	-0.03	2.89e-06	0.0	71.0	-14.49	-6.03	-3.07e-03	-0.03	-0.03	32.06
						142.0	-14.49	-6.49	-3.07e-03	-0.03	-0.03	27.61
105	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
105	8	11.54	0.02	-4.88e-04	0.0	0.0	0.28	3.96	-0.07	0.05	0.02	5.93
		5.93	-0.09	-3.91e-05	0.0	71.0	0.28	3.96	-0.07	0.05	-0.04	8.74
						142.0	0.28	3.96	-0.07	0.05	-0.09	11.54
105	9	1.97	-1.64	1.09e-04	0.0	0.0	1.96	-0.59	-0.04	-0.38	-1.67	1.97
		1.18	-1.67	-2.66e-04	0.0	71.0	1.96	-0.59	-0.04	-0.38	-1.66	1.57
						142.0	1.96	-0.59	-0.04	-0.38	-1.64	1.18
106	3	38.71	-0.01	1.99e-03	-0.93	0.0	-18.73	-5.58	6.52e-05	-0.02	-0.01	38.71
		30.13	-0.01	1.65e-06	0.0	71.0	-18.73	-6.04	6.52e-05	-0.02	-0.01	34.58
						142.0	-18.73	-6.51	6.52e-05	-0.02	-0.01	30.13
106	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0

						142.0	0.0	0.0	0.0	0.0	0.0	0.0
106	7	10.48	0.01	-4.65e-04	0.0	0.0	1.51	3.38	-0.03	-0.02	0.01	5.68
		5.68	-0.05	3.55e-05	0.0	71.0	1.51	3.38	-0.03	-0.02	-0.02	8.08
						142.0	1.51	3.38	-0.03	-0.02	-0.05	10.48
106	9	2.68	-1.65	-1.28e-04	0.0	0.0	3.44	-0.78	-0.04	-0.39	-1.69	2.68
		1.59	-1.69	-2.64e-04	0.0	71.0	3.44	-0.78	-0.04	-0.39	-1.67	2.13
						142.0	3.44	-0.78	-0.04	-0.39	-1.65	1.59
107	3	34.20	9.09e-04	1.78e-03	-0.93	0.0	-4.18	-5.56	6.51e-04	6.99e-04	-1.61e-05	34.20
		25.64	-1.61e-05	0.0	0.0	71.0	-4.18	-6.03	6.51e-04	6.99e-04	4.46e-04	30.08
						142.0	-4.18	-6.49	6.51e-04	6.99e-04	9.09e-04	25.64
107	4	0.10	1.20e-04	5.89e-06	0.0	0.0	0.30	-4.13e-03	-1.05e-04	-6.19e-04	1.20e-04	0.10
		0.10	-2.93e-05	0.0	0.0	71.0	0.30	-4.13e-03	-1.05e-04	-6.19e-04	4.54e-05	0.10
						142.0	0.30	-4.13e-03	-1.05e-04	-6.19e-04	-2.93e-05	0.10
107	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
107	7	17.54	0.01	-8.34e-04	0.0	0.0	-2.08	6.29	4.49e-03	-0.02	9.27e-03	8.62
		8.62	9.27e-03	3.62e-05	0.0	71.0	-2.08	6.29	4.49e-03	-0.02	0.01	13.08
						142.0	-2.08	6.29	4.49e-03	-0.02	0.01	17.54
107	9	0.05	-1.65	-2.31e-06	0.0	0.0	-0.05	0.02	-0.04	-0.39	-1.69	0.05
		0.04	-1.69	-2.64e-04	0.0	71.0	-0.05	0.02	-0.04	-0.39	-1.67	0.04
						142.0	-0.05	0.02	-0.04	-0.39	-1.65	0.04
108	3	38.56	0.02	1.99e-03	-0.94	0.0	-18.58	-5.54	1.29e-03	0.02	0.01	38.56
		30.03	0.01	-1.28e-06	0.0	71.0	-18.58	-6.01	1.29e-03	0.02	0.02	34.46
						142.0	-18.58	-6.48	1.29e-03	0.02	0.02	30.03
108	8	10.47	0.05	-4.65e-04	0.0	0.0	1.52	3.38	0.03	0.02	-0.01	5.68
		5.68	-0.01	-3.61e-05	0.0	71.0	1.52	3.38	0.03	0.02	0.02	8.08
						142.0	1.52	3.38	0.03	0.02	0.05	10.47
108	9	-1.61	-1.65	1.29e-04	0.0	0.0	-3.46	0.78	-0.04	-0.39	-1.69	-2.71
		-2.71	-1.69	-2.64e-04	0.0	71.0	-3.46	0.78	-0.04	-0.39	-1.67	-2.16
						142.0	-3.46	0.78	-0.04	-0.39	-1.65	-1.61
109	3	36.20	0.04	1.87e-03	-0.93	0.0	-14.60	-5.56	4.76e-03	0.03	0.03	36.20
		27.64	0.03	-2.61e-06	0.0	71.0	-14.60	-6.03	4.76e-03	0.03	0.03	32.09
						142.0	-14.60	-6.49	4.76e-03	0.03	0.04	27.64
109	7	11.48	0.09	-4.84e-04	0.0	0.0	0.28	3.93	0.07	-0.05	-0.02	5.90
		5.90	-0.02	3.85e-05	0.0	71.0	0.28	3.93	0.07	-0.05	0.04	8.69
						142.0	0.28	3.93	0.07	-0.05	0.09	11.48
109	8	10.21	0.09	-4.41e-04	0.0	0.0	0.62	3.43	0.06	-0.01	-0.01	5.34
		5.34	-0.01	-3.36e-05	0.0	71.0	0.62	3.43	0.06	-0.01	0.04	7.77
						142.0	0.62	3.43	0.06	-0.01	0.09	10.21
109	9	-1.18	-1.64	-1.09e-04	0.0	0.0	-1.98	0.60	-0.04	-0.38	-1.67	-1.98
		-1.98	-1.67	-2.66e-04	0.0	71.0	-1.98	0.60	-0.04	-0.38	-1.65	-1.58
						142.0	-1.98	0.60	-0.04	-0.38	-1.64	-1.18
109	10	-1.38	-1.29	-9.90e-05	0.0	0.0	-1.96	0.55	0.12	-0.38	-1.44	-2.09
		-2.09	-1.44	-6.09e-04	0.0	71.0	-1.96	0.55	0.12	-0.38	-1.37	-1.74
						142.0	-1.96	0.55	0.12	-0.38	-1.29	-1.38
110	3	31.39	0.06	1.62e-03	-0.93	0.0	-19.04	-5.56	8.64e-03	0.05	0.04	31.39
		22.83	0.04	-4.08e-06	0.0	71.0	-19.04	-6.03	8.64e-03	0.05	0.05	27.28
						142.0	-19.04	-6.49	8.64e-03	0.05	0.06	22.83
110	4	0.09	5.96e-04	4.73e-06	0.0	0.0	0.21	-1.51e-03	-1.02e-03	1.23e-03	5.96e-04	0.09
		0.08	-8.58e-04	0.0	0.0	71.0	0.21	-1.51e-03	-1.02e-03	1.23e-03	-1.31e-04	0.08
						142.0	0.21	-1.51e-03	-1.02e-03	1.23e-03	-8.58e-04	0.08
110	7	9.83	0.14	-3.57e-04	0.0	0.0	-0.91	3.46	0.14	-0.09	-0.06	4.93
		4.93	-0.06	4.35e-05	0.0	71.0	-0.91	3.46	0.14	-0.09	0.04	7.38
						142.0	-0.91	3.46	0.14	-0.09	0.14	9.83
110	9	-1.98	-1.61	7.60e-05	0.0	0.0	-5.87	0.69	-0.04	-0.36	-1.65	-2.67
		-2.67	-1.65	-2.68e-04	0.0	71.0	-5.87	0.69	-0.04	-0.36	-1.63	-2.33
						142.0	-5.87	0.69	-0.04	-0.36	-1.61	-1.98
110	10	-2.30	-1.28	1.04e-04	0.0	0.0	-5.75	-0.75	0.10	-0.37	-1.40	-2.75
		-2.75	-1.40	-6.11e-04	0.0	71.0	-5.75	-0.75	0.10	-0.37	-1.34	-2.53
						142.0	-5.75	-0.75	0.10	-0.37	-1.28	-2.30
111	3	3.87	0.09	1.38e-04	-0.93	0.0	5.48	1.42	0.04	0.07	0.03	2.52
		2.52	0.03	-6.38e-06	0.0	71.0	5.48	0.95	0.04	0.07	0.06	3.36
						142.0	5.48	0.49	0.04	0.07	0.09	3.87
111	7	1.83	2.31	1.42e-04	0.0	0.0	-1.16	-0.67	-3.18	-0.20	2.31	1.83
		1.59	-2.21	5.84e-05	0.0	71.0	-1.16	-0.67	-3.18	-0.20	0.05	1.71
						142.0	-1.16	-0.67	-3.18	-0.20	-2.21	1.59
111	9	-10.64	-0.59	-7.02e-04	0.0	0.0	2.96	2.53	1.17	-0.34	-2.24	-14.19
		-14.19	-2.24	-2.70e-04	0.0	71.0	2.96	2.53	1.17	-0.34	-1.41	-12.41
						142.0	2.96	2.53	1.17	-0.34	-0.59	-10.64
111	10	-9.64	0.33	-6.98e-04	0.0	0.0	3.20	2.83	2.08	-0.34	-2.65	-13.62
		-13.62	-2.65	-6.14e-04	0.0	71.0	3.20	2.83	2.08	-0.34	-1.16	-11.63
						142.0	3.20	2.83	2.08	-0.34	0.33	-9.64
112	3	0.75	0.0	9.35e-04	-3.14	0.0	-4.03	1.57	0.0	0.11	0.0	0.0
		0.0	0.0	-1.05e-04	0.0	96.0	-4.03	-1.68e-05	0.0	0.11	0.0	0.75
						192.0	-4.03	-1.57	0.0	0.11	0.0	0.0
112	7	0.0	0.0	-7.48e-04	0.0	0.0	9.78	0.0	0.0	-0.07	0.0	0.0

		0.0	0.0	1.53e-04	0.0	96.0	9.78	0.0	0.0	-0.07	0.0	0.0
						192.0	9.78	0.0	0.0	-0.07	0.0	0.0
112	8	0.0	0.0	-7.71e-04	0.0	0.0	9.13	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	-4.37e-04	0.0	96.0	9.13	0.0	0.0	-0.08	0.0	0.0
						192.0	9.13	0.0	0.0	-0.08	0.0	0.0
113	3	0.75	0.0	1.48e-03	-3.15	0.0	-6.02	1.57	0.0	0.08	0.0	0.0
		0.0	0.0	-6.73e-05	0.0	96.0	-6.02	0.0	0.0	0.08	0.0	0.75
						192.0	-6.02	-1.57	0.0	0.08	0.0	0.0
113	7	0.0	0.0	-9.34e-04	0.0	0.0	1.98	0.0	0.0	-7.70e-03	0.0	0.0
		0.0	0.0	7.44e-05	0.0	96.0	1.98	0.0	0.0	-7.70e-03	0.0	0.0
						192.0	1.98	0.0	0.0	-7.70e-03	0.0	0.0
113	8	0.0	0.0	-9.78e-04	0.0	0.0	1.84	0.0	0.0	-9.56e-03	0.0	0.0
		0.0	0.0	-5.21e-04	0.0	96.0	1.84	0.0	0.0	-9.56e-03	0.0	0.0
						192.0	1.84	0.0	0.0	-9.56e-03	0.0	0.0
114	3	0.75	0.0	1.84e-03	-3.15	0.0	-7.60	1.57	0.0	0.05	0.0	0.0
		0.0	0.0	-3.97e-05	0.0	96.0	-7.60	0.0	0.0	0.05	0.0	0.75
						192.0	-7.60	-1.57	0.0	0.05	0.0	0.0
114	6	0.60	0.0	1.47e-03	-2.52	0.0	-6.08	1.26	0.0	0.04	0.0	0.0
		0.0	0.0	-3.18e-05	0.0	96.0	-6.08	0.0	0.0	0.04	0.0	0.60
						192.0	-6.08	-1.26	0.0	0.04	0.0	0.0
114	7	0.0	0.0	-7.98e-04	0.0	0.0	-1.48	0.0	0.0	0.04	0.0	0.0
		0.0	0.0	1.93e-05	0.0	96.0	-1.48	0.0	0.0	0.04	0.0	0.0
						192.0	-1.48	0.0	0.0	0.04	0.0	0.0
114	8	0.0	0.0	-8.40e-04	0.0	0.0	-1.47	0.0	0.0	0.04	0.0	0.0
		0.0	0.0	-5.80e-04	0.0	96.0	-1.47	0.0	0.0	0.04	0.0	0.0
						192.0	-1.47	0.0	0.0	0.04	0.0	0.0
114	9	0.0	0.0	7.18e-04	0.0	0.0	0.84	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	6.38e-05	0.0	96.0	0.84	0.0	0.0	-0.03	0.0	0.0
						192.0	0.84	0.0	0.0	-0.03	0.0	0.0
115	3	0.75	0.0	2.05e-03	-3.15	0.0	-8.39	1.57	0.0	0.02	0.0	0.0
		0.0	0.0	-1.83e-05	0.0	96.0	-8.39	0.0	0.0	0.02	0.0	0.75
						192.0	-8.39	-1.57	0.0	0.02	0.0	0.0
115	7	0.0	0.0	-4.47e-04	0.0	0.0	-1.09	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-1.34e-05	0.0	96.0	-1.09	0.0	0.0	0.07	0.0	0.0
						192.0	-1.09	0.0	0.0	0.07	0.0	0.0
115	9	0.0	0.0	8.49e-04	0.0	0.0	0.73	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	6.46e-05	0.0	96.0	0.73	0.0	0.0	-0.01	0.0	0.0
						192.0	0.73	0.0	0.0	-0.01	0.0	0.0
116	3	0.75	0.0	2.11e-03	-3.15	0.0	-8.37	1.57	0.0	-9.01e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.0	-8.37	0.0	0.0	-9.01e-04	0.0	0.75
						192.0	-8.37	-1.57	0.0	-9.01e-04	0.0	0.0
116	7	0.0	0.0	1.12e-05	0.0	0.0	0.04	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-2.38e-05	0.0	96.0	0.04	0.0	0.0	0.07	0.0	0.0
						192.0	0.04	0.0	0.0	0.07	0.0	0.0
116	10	0.0	0.0	8.92e-04	0.0	0.0	0.91	0.0	0.0	2.19e-03	0.0	0.0
		0.0	0.0	-6.59e-05	0.0	96.0	0.91	0.0	0.0	2.19e-03	0.0	0.0
						192.0	0.91	0.0	0.0	2.19e-03	0.0	0.0
117	3	0.75	0.0	2.04e-03	-3.15	0.0	-8.37	1.57	0.0	-0.02	0.0	0.0
		0.0	0.0	1.89e-05	0.0	96.0	-8.37	0.0	0.0	-0.02	0.0	0.75
						192.0	-8.37	-1.57	0.0	-0.02	0.0	0.0
117	7	0.0	0.0	4.66e-04	0.0	0.0	1.16	0.0	0.0	0.06	0.0	0.0
		0.0	0.0	-1.20e-05	0.0	96.0	1.16	0.0	0.0	0.06	0.0	0.0
						192.0	1.16	0.0	0.0	0.06	0.0	0.0
117	8	0.0	0.0	4.93e-04	0.0	0.0	1.18	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-6.14e-04	0.0	96.0	1.18	0.0	0.0	0.07	0.0	0.0
						192.0	1.18	0.0	0.0	0.07	0.0	0.0
118	3	0.75	0.0	1.82e-03	-3.15	0.0	-7.54	1.57	0.0	-0.05	0.0	0.0
		0.0	0.0	4.06e-05	0.0	96.0	-7.54	0.0	0.0	-0.05	0.0	0.75
						192.0	-7.54	-1.57	0.0	-0.05	0.0	0.0
118	7	0.0	0.0	8.08e-04	0.0	0.0	1.43	0.0	0.0	0.04	0.0	0.0
		0.0	0.0	2.21e-05	0.0	96.0	1.43	0.0	0.0	0.04	0.0	0.0
						192.0	1.43	0.0	0.0	0.04	0.0	0.0
118	8	0.0	0.0	8.50e-04	0.0	0.0	1.43	0.0	0.0	0.04	0.0	0.0
		0.0	0.0	-5.77e-04	0.0	96.0	1.43	0.0	0.0	0.04	0.0	0.0
						192.0	1.43	0.0	0.0	0.04	0.0	0.0
118	9	0.0	0.0	6.80e-04	0.0	0.0	0.77	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	8.36e-05	0.0	96.0	0.77	0.0	0.0	0.03	0.0	0.0
						192.0	0.77	0.0	0.0	0.03	0.0	0.0
119	3	0.75	0.0	1.45e-03	-3.15	0.0	-5.94	1.57	0.0	-0.08	0.0	0.0
		0.0	0.0	6.86e-05	0.0	96.0	-5.94	0.0	0.0	-0.08	0.0	0.75
						192.0	-5.94	-1.57	0.0	-0.08	0.0	0.0
119	7	0.0	0.0	9.28e-04	0.0	0.0	-2.50	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	7.87e-05	0.0	96.0	-2.50	0.0	0.0	-0.01	0.0	0.0
						192.0	-2.50	0.0	0.0	-0.01	0.0	0.0
119	8	0.0	0.0	9.70e-04	0.0	0.0	-2.33	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	-5.17e-04	0.0	96.0	-2.33	0.0	0.0	-0.01	0.0	0.0
						192.0	-2.33	0.0	0.0	-0.01	0.0	0.0

119	10	0.0	0.0	5.15e-04	0.0	0.0	1.29	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-6.17e-05	0.0	96.0	1.29	0.0	0.0	0.03	0.0	0.0
						192.0	1.29	0.0	0.0	0.03	0.0	0.0
120	3	0.75	0.0	8.86e-04	-3.15	0.0	-3.97	1.57	0.0	-0.12	0.0	0.0
		0.0	0.0	1.07e-04	0.0	96.0	-3.97	0.0	0.0	-0.12	0.0	0.75
						192.0	-3.97	-1.57	0.0	-0.12	0.0	0.0
120	4	0.0	0.0	2.99e-06	0.0	0.0	0.12	0.0	0.0	4.85e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.0	0.12	0.0	0.0	4.85e-04	0.0	0.0
						192.0	0.12	0.0	0.0	4.85e-04	0.0	0.0
120	7	0.0	0.0	7.17e-04	0.0	0.0	-10.13	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	1.60e-04	0.0	96.0	-10.13	0.0	0.0	-0.08	0.0	0.0
						192.0	-10.13	0.0	0.0	-0.08	0.0	0.0
120	8	0.0	0.0	7.38e-04	0.0	0.0	-9.46	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	-4.31e-04	0.0	96.0	-9.46	0.0	0.0	-0.08	0.0	0.0
						192.0	-9.46	0.0	0.0	-0.08	0.0	0.0
121	3	3.19	0.03	4.67e-05	-0.93	0.0	6.78	0.57	-0.10	-0.01	0.03	2.95
		2.95	-0.11	4.13e-06	0.0	71.0	6.78	0.10	-0.10	-0.01	-0.04	3.19
						142.0	6.78	-0.37	-0.10	-0.01	-0.11	3.09
121	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
121	8	1.08	2.76	1.20e-04	0.0	0.0	-0.49	0.66	3.82	-0.05	-2.66	0.46
		0.46	-2.66	-2.84e-05	0.0	71.0	-0.49	0.66	3.82	-0.05	0.05	0.77
						142.0	-0.49	0.66	3.82	-0.05	2.76	1.08
121	10	14.26	-0.37	2.34e-04	0.0	0.0	-3.40	-0.85	1.42	-0.13	-2.37	14.26
		13.09	-2.37	-3.49e-04	0.0	71.0	-3.40	-0.85	1.42	-0.13	-1.37	13.68
						142.0	-3.40	-0.85	1.42	-0.13	-0.37	13.09
122	3	33.49	4.09e-03	5.41e-04	-0.93	0.0	-20.75	-1.45	-0.03	-9.46e-03	4.09e-03	33.49
		30.77	-0.04	2.76e-06	0.0	71.0	-20.75	-1.91	-0.03	-9.46e-03	-0.02	32.30
						142.0	-20.75	-2.38	-0.03	-9.46e-03	-0.04	30.77
122	8	5.16	0.06	-5.25e-04	0.0	0.0	-0.30	3.86	0.04	0.03	-2.32e-03	-0.32
		-0.32	-2.32e-03	-3.68e-05	0.0	71.0	-0.30	3.86	0.04	0.03	0.03	2.42
						142.0	-0.30	3.86	0.04	0.03	0.06	5.16
122	9	3.01	-1.65	-3.10e-05	0.0	0.0	6.62	-0.25	0.08	-0.11	-1.76	3.01
		2.72	-1.76	7.56e-05	0.0	71.0	6.62	-0.25	0.08	-0.11	-1.71	2.86
						142.0	6.62	-0.25	0.08	-0.11	-1.65	2.72
122	10	2.99	-1.41	-4.05e-05	0.0	0.0	6.58	0.32	0.25	-0.13	-1.77	2.99
		2.84	-1.77	-3.43e-04	0.0	71.0	6.58	0.32	0.25	-0.13	-1.59	2.92
						142.0	6.58	0.32	0.25	-0.13	-1.41	2.84
123	3	38.68	-2.21e-03	6.22e-04	-0.93	0.0	-15.08	-1.45	-0.02	-7.36e-03	-2.21e-03	38.68
		35.97	-0.03	1.97e-06	0.0	71.0	-15.08	-1.91	-0.02	-7.36e-03	-0.02	37.49
						142.0	-15.08	-2.38	-0.02	-7.36e-03	-0.03	35.97
123	8	5.96	0.02	-6.91e-04	0.0	0.0	0.10	4.37	0.01	0.03	-1.33e-03	-0.25
		-0.25	-1.33e-03	-3.97e-05	0.0	71.0	0.10	4.37	0.01	0.03	8.14e-03	2.86
						142.0	0.10	4.37	0.01	0.03	0.02	5.96
123	9	2.19	-1.67	4.22e-05	0.0	0.0	2.20	-0.25	0.05	-0.11	-1.73	2.19
		1.89	-1.73	7.74e-05	0.0	71.0	2.20	-0.25	0.05	-0.11	-1.70	2.04
						142.0	2.20	-0.25	0.05	-0.11	-1.67	1.89
123	10	2.20	-1.45	2.82e-05	0.0	0.0	2.20	0.20	0.21	-0.14	-1.74	2.20
		1.99	-1.74	-3.39e-04	0.0	71.0	2.20	0.20	0.21	-0.14	-1.59	2.09
						142.0	2.20	0.20	0.21	-0.14	-1.45	1.99
124	3	41.18	-2.77e-03	6.61e-04	-0.93	0.0	-19.40	-1.46	-8.12e-03	-3.52e-03	-2.77e-03	41.18
		38.46	-0.01	1.08e-06	0.0	71.0	-19.40	-1.92	-8.12e-03	-3.52e-03	-8.54e-03	39.98
						142.0	-19.40	-2.38	-8.12e-03	-3.52e-03	-0.01	38.46
124	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0
124	7	5.34	0.01	-6.54e-04	0.0	0.0	0.53	3.78	8.16e-03	-0.01	-9.87e-04	0.09
		0.09	-9.87e-04	3.76e-05	0.0	71.0	0.53	3.78	8.16e-03	-0.01	5.10e-03	2.71
						142.0	0.53	3.78	8.16e-03	-0.01	0.01	5.34
124	9	2.86	-1.69	-3.93e-05	0.0	0.0	3.85	-0.26	0.03	-0.11	-1.72	2.86
		2.51	-1.72	7.84e-05	0.0	71.0	3.85	-0.26	0.03	-0.11	-1.70	2.68
						142.0	3.85	-0.26	0.03	-0.11	-1.69	2.51
124	10	2.86	-1.47	-5.23e-05	0.0	0.0	3.85	0.29	0.18	-0.14	-1.73	2.86
		2.47	-1.73	-3.38e-04	0.0	71.0	3.85	0.29	0.18	-0.14	-1.60	2.67
						142.0	3.85	0.29	0.18	-0.14	-1.47	2.47
125	3	36.97	-1.61e-05	5.96e-04	-0.93	0.0	-4.18	-1.45	1.14e-03	7.63e-04	-1.63e-03	36.97
		34.25	-1.63e-03	0.0	0.0	71.0	-4.18	-1.92	1.14e-03	7.63e-04	-8.24e-04	35.77
						142.0	-4.18	-2.38	1.14e-03	7.63e-04	-1.61e-05	34.25
125	4	0.11	1.20e-04	2.41e-06	0.0	0.0	0.29	-4.13e-03	1.09e-04	-6.53e-04	-3.41e-05	0.11
		0.10	-3.41e-05	0.0	0.0	71.0	0.29	-4.13e-03	1.09e-04	-6.53e-04	4.30e-05	0.11
						142.0	0.29	-4.13e-03	1.09e-04	-6.53e-04	1.20e-04	0.10
125	7	9.17	9.27e-03	-1.14e-03	0.0	0.0	-0.73	6.91	6.84e-03	-0.02	1.05e-03	-0.65
		-0.65	1.05e-03	3.67e-05	0.0	71.0	-0.73	6.91	6.84e-03	-0.02	5.16e-03	4.26
						142.0	-0.73	6.91	6.84e-03	-0.02	9.27e-03	9.17
125	10	0.05	-1.47	0.0	0.0	0.0	-0.05	0.01	0.18	-0.14	-1.72	0.05
		0.05	-1.72	-3.37e-04	0.0	71.0	-0.05	0.01	0.18	-0.14	-1.60	0.05

						142.0	-0.05	0.01	0.18	-0.14	-1.47	0.05
126	3	41.03	0.01	6.59e-04	-0.94	0.0	-19.23	-1.44	0.01	5.02e-03	-6.85e-04	41.03
		38.32	-6.85e-04	0.0	0.0	71.0	-19.23	-1.91	0.01	5.02e-03	6.76e-03	39.84
						142.0	-19.23	-2.38	0.01	5.02e-03	0.01	38.32
126	8	5.33	1.32e-03	-6.54e-04	0.0	0.0	0.53	3.77	-8.62e-03	0.01	1.32e-03	0.09
		0.09	-0.01	-4.27e-05	0.0	71.0	0.53	3.77	-8.62e-03	0.01	-5.36e-03	2.71
						142.0	0.53	3.77	-8.62e-03	0.01	-0.01	5.33
126	10	-2.50	-1.47	5.29e-05	0.0	0.0	-3.88	-0.29	0.19	-0.14	-1.73	-2.90
		-2.90	-1.73	-3.38e-04	0.0	71.0	-3.88	-0.29	0.19	-0.14	-1.60	-2.70
						142.0	-3.88	-0.29	0.19	-0.14	-1.47	-2.50
127	3	38.71	0.03	6.23e-04	-0.93	0.0	-15.21	-1.45	0.02	8.92e-03	-1.77e-03	38.71
		35.99	-1.77e-03	-1.61e-06	0.0	71.0	-15.21	-1.92	0.02	8.92e-03	0.01	37.52
						142.0	-15.21	-2.38	0.02	8.92e-03	0.03	35.99
127	8	5.24	1.55e-03	-6.21e-04	0.0	0.0	0.20	3.80	-9.30e-03	-0.02	1.55e-03	-0.15
		-0.15	-0.01	-4.29e-05	0.0	71.0	0.20	3.80	-9.30e-03	-0.02	-5.57e-03	2.54
						142.0	0.20	3.80	-9.30e-03	-0.02	-0.01	5.24
127	10	-1.99	-1.44	-2.87e-05	0.0	0.0	-2.22	0.20	0.21	-0.14	-1.75	-2.20
		-2.20	-1.75	-3.40e-04	0.0	71.0	-2.22	0.20	0.21	-0.14	-1.59	-2.10
						142.0	-2.22	0.20	0.21	-0.14	-1.44	-1.99
128	3	33.46	0.04	5.40e-04	-0.93	0.0	-20.67	-1.45	0.04	0.01	-8.98e-03	33.46
		30.74	-8.98e-03	-2.47e-06	0.0	71.0	-20.67	-1.91	0.04	0.01	0.02	32.26
						142.0	-20.67	-2.38	0.04	0.01	0.04	30.74
128	4	0.09	1.99e-03	1.88e-06	0.0	0.0	0.21	-1.51e-03	-9.78e-04	2.64e-04	1.99e-03	0.09
		0.09	5.96e-04	0.0	0.0	71.0	0.21	-1.51e-03	-9.78e-04	2.64e-04	1.29e-03	0.09
						142.0	0.21	-1.51e-03	-9.78e-04	2.64e-04	5.96e-04	0.09
128	9	-2.73	-1.65	3.13e-05	0.0	0.0	-6.60	0.25	0.09	-0.11	-1.77	-3.02
		-3.02	-1.77	7.53e-05	0.0	71.0	-6.60	0.25	0.09	-0.11	-1.71	-2.87
						142.0	-6.60	0.25	0.09	-0.11	-1.65	-2.73
128	10	-2.86	-1.40	4.05e-05	0.0	0.0	-6.56	-0.32	0.26	-0.13	-1.78	-3.00
		-3.00	-1.78	-3.44e-04	0.0	71.0	-6.56	-0.32	0.26	-0.13	-1.59	-2.93
						142.0	-6.56	-0.32	0.26	-0.13	-1.40	-2.86
129	3	3.20	0.11	4.80e-05	-0.93	0.0	6.72	0.55	0.10	0.01	-0.03	2.97
		2.97	-0.03	-3.95e-06	0.0	71.0	6.72	0.08	0.10	0.01	0.04	3.20
						142.0	6.72	-0.38	0.10	0.01	0.11	3.09
129	7	1.08	2.65	1.13e-04	0.0	0.0	-0.47	0.66	-3.81	0.05	2.65	0.47
		0.47	-2.76	2.84e-05	0.0	71.0	-0.47	0.66	-3.81	0.05	-0.05	0.77
						142.0	-0.47	0.66	-3.81	0.05	-2.76	1.08
129	10	-13.10	-0.36	-2.34e-04	0.0	0.0	3.44	0.84	1.43	-0.13	-2.38	-14.27
		-14.27	-2.38	-3.50e-04	0.0	71.0	3.44	0.84	1.43	-0.13	-1.37	-13.69
						142.0	3.44	0.84	1.43	-0.13	-0.36	-13.10
130	3	0.78	0.0	-9.46e-04	-3.21	0.0	-4.05	1.61	0.0	-0.11	0.0	0.0
		0.0	0.0	1.06e-04	0.0	97.0	-4.05	1.72e-05	0.0	-0.11	0.0	0.78
						194.1	-4.05	-1.61	0.0	-0.11	0.0	0.0
130	8	0.0	0.0	7.48e-04	0.0	0.0	9.81	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-1.58e-04	0.0	97.0	9.81	0.0	0.0	0.07	0.0	0.0
						194.1	9.81	0.0	0.0	0.07	0.0	0.0
131	3	0.78	0.0	-1.51e-03	-3.21	0.0	-6.03	1.61	0.0	-0.08	0.0	0.0
		0.0	0.0	6.87e-05	0.0	97.0	-6.03	0.0	0.0	-0.08	0.0	0.78
						194.1	-6.03	-1.61	0.0	-0.08	0.0	0.0
131	8	0.0	0.0	9.34e-04	0.0	0.0	2.00	0.0	0.0	7.61e-03	0.0	0.0
		0.0	0.0	-7.86e-05	0.0	97.0	2.00	0.0	0.0	7.61e-03	0.0	0.0
						194.1	2.00	0.0	0.0	7.61e-03	0.0	0.0
132	3	0.78	0.0	-1.88e-03	-3.21	0.0	-7.59	1.61	0.0	-0.05	0.0	0.0
		0.0	0.0	4.07e-05	0.0	97.0	-7.59	0.0	0.0	-0.05	0.0	0.78
						194.1	-7.59	-1.61	0.0	-0.05	0.0	0.0
132	4	0.0	0.0	2.12e-06	0.0	0.0	0.06	0.0	0.0	2.58e-04	0.0	0.0
		0.0	0.0	1.08e-06	0.0	97.0	0.06	0.0	0.0	2.58e-04	0.0	0.0
						194.1	0.06	0.0	0.0	2.58e-04	0.0	0.0
132	7	0.0	0.0	8.41e-04	0.0	0.0	-1.47	0.0	0.0	-0.04	0.0	0.0
		0.0	0.0	5.84e-04	0.0	97.0	-1.47	0.0	0.0	-0.04	0.0	0.0
						194.1	-1.47	0.0	0.0	-0.04	0.0	0.0
133	2	0.26	0.0	-6.97e-04	-1.07	0.0	-2.79	0.54	0.0	-7.80e-03	0.0	0.0
		0.0	0.0	6.15e-06	0.0	97.0	-2.79	0.0	0.0	-7.80e-03	0.0	0.26
						194.1	-2.79	-0.54	0.0	-7.80e-03	0.0	0.0
133	3	0.78	0.0	-2.09e-03	-3.21	0.0	-8.38	1.61	0.0	-0.02	0.0	0.0
		0.0	0.0	1.85e-05	0.0	97.0	-8.38	0.0	0.0	-0.02	0.0	0.78
						194.1	-8.38	-1.61	0.0	-0.02	0.0	0.0
133	4	0.0	0.0	3.48e-06	0.0	0.0	0.04	0.0	0.0	1.97e-04	0.0	0.0
		0.0	0.0	1.31e-06	0.0	97.0	0.04	0.0	0.0	1.97e-04	0.0	0.0
						194.1	0.04	0.0	0.0	1.97e-04	0.0	0.0
133	8	0.0	0.0	4.47e-04	0.0	0.0	-1.08	0.0	0.0	-0.07	0.0	0.0
		0.0	0.0	9.19e-06	0.0	97.0	-1.08	0.0	0.0	-0.07	0.0	0.0
						194.1	-1.08	0.0	0.0	-0.07	0.0	0.0
134	3	0.78	0.0	-2.15e-03	-3.21	0.0	-8.37	1.61	0.0	8.90e-04	0.0	0.0
		0.0	0.0	-1.04e-06	0.0	97.0	-8.37	0.0	0.0	8.90e-04	0.0	0.78
						194.1	-8.37	-1.61	0.0	8.90e-04	0.0	0.0
134	6	0.62	0.0	-1.72e-03	-2.57	0.0	-6.70	1.29	0.0	7.12e-04	0.0	0.0

		0.0	0.0	0.0	0.0	97.0	-6.70	0.0	0.0	7.12e-04	0.0	0.62
						194.1	-6.70	-1.29	0.0	7.12e-04	0.0	0.0
134	7	0.0	0.0	-1.10e-05	0.0	0.0	0.04	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	6.30e-04	0.0	97.0	0.04	0.0	0.0	-0.08	0.0	0.0
						194.1	0.04	0.0	0.0	-0.08	0.0	0.0
135	3	0.78	0.0	-2.08e-03	-3.21	0.0	-8.37	1.61	0.0	0.03	0.0	0.0
		0.0	0.0	-2.06e-05	0.0	97.0	-8.37	0.0	0.0	0.03	0.0	0.78
						194.1	-8.37	-1.61	0.0	0.03	0.0	0.0
135	7	0.0	0.0	-4.92e-04	0.0	0.0	1.18	0.0	0.0	-0.07	0.0	0.0
		0.0	0.0	6.18e-04	0.0	97.0	1.18	0.0	0.0	-0.07	0.0	0.0
						194.1	1.18	0.0	0.0	-0.07	0.0	0.0
135	8	0.0	0.0	-4.65e-04	0.0	0.0	1.16	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	7.86e-06	0.0	97.0	1.16	0.0	0.0	-0.06	0.0	0.0
						194.1	1.16	0.0	0.0	-0.06	0.0	0.0
135	9	0.0	0.0	7.93e-04	0.0	0.0	-0.56	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	8.17e-05	0.0	97.0	-0.56	0.0	0.0	0.02	0.0	0.0
						194.1	-0.56	0.0	0.0	0.02	0.0	0.0
136	3	0.78	0.0	-1.86e-03	-3.21	0.0	-7.53	1.61	0.0	0.05	0.0	0.0
		0.0	0.0	-4.31e-05	0.0	97.0	-7.53	0.0	0.0	0.05	0.0	0.78
						194.1	-7.53	-1.61	0.0	0.05	0.0	0.0
136	7	0.0	0.0	-8.50e-04	0.0	0.0	1.42	0.0	0.0	-0.04	0.0	0.0
		0.0	0.0	5.81e-04	0.0	97.0	1.42	0.0	0.0	-0.04	0.0	0.0
						194.1	1.42	0.0	0.0	-0.04	0.0	0.0
136	8	0.0	0.0	-8.06e-04	0.0	0.0	1.42	0.0	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.62e-05	0.0	97.0	1.42	0.0	0.0	-0.04	0.0	0.0
						194.1	1.42	0.0	0.0	-0.04	0.0	0.0
137	3	0.78	0.0	-1.47e-03	-3.21	0.0	-5.94	1.61	0.0	0.08	0.0	0.0
		0.0	0.0	-7.15e-05	0.0	97.0	-5.94	0.0	0.0	0.08	0.0	0.78
						194.1	-5.94	-1.61	0.0	0.08	0.0	0.0
137	4	0.0	0.0	4.84e-06	0.0	0.0	0.04	0.0	0.0	-1.50e-04	0.0	0.0
		0.0	0.0	2.33e-06	0.0	97.0	0.04	0.0	0.0	-1.50e-04	0.0	0.0
						194.1	0.04	0.0	0.0	-1.50e-04	0.0	0.0
137	7	0.0	0.0	-9.70e-04	0.0	0.0	-2.33	0.0	0.0	0.01	0.0	0.0
		0.0	0.0	5.20e-04	0.0	97.0	-2.33	0.0	0.0	0.01	0.0	0.0
						194.1	-2.33	0.0	0.0	0.01	0.0	0.0
137	8	0.0	0.0	-9.26e-04	0.0	0.0	-2.51	0.0	0.0	0.01	0.0	0.0
		0.0	0.0	-8.28e-05	0.0	97.0	-2.51	0.0	0.0	0.01	0.0	0.0
						194.1	-2.51	0.0	0.0	0.01	0.0	0.0
138	3	3.21	0.03	-5.34e-05	-0.93	0.0	6.73	0.33	0.10	0.01	-0.11	3.12
		2.93	-0.11	-3.17e-06	0.0	71.0	6.73	-0.14	0.10	0.01	-0.04	3.19
						142.0	6.73	-0.60	0.10	0.01	0.03	2.93
138	8	-0.57	2.64	1.33e-04	0.0	0.0	0.37	0.64	3.80	-0.04	-2.75	-1.17
		-1.17	-2.75	-3.33e-05	0.0	71.0	0.37	0.64	3.80	-0.04	-0.05	-0.87
						142.0	0.37	0.64	3.80	-0.04	2.64	-0.57
138	9	14.26	-0.29	-2.70e-04	0.0	0.0	-3.40	0.98	-1.52	0.15	-0.29	12.91
		12.91	-2.43	3.75e-04	0.0	71.0	-3.40	0.98	-1.52	0.15	-1.36	13.58
						142.0	-3.40	0.98	-1.52	0.15	-2.43	14.26
139	1	12.49	5.78e-03	-2.32e-04	-0.92	0.0	-8.18	1.29	0.02	2.31e-03	-0.02	11.31
		11.31	-0.02	0.0	0.0	71.0	-8.18	0.84	0.02	2.31e-03	-7.04e-03	12.06
						142.0	-8.18	0.38	0.02	2.31e-03	5.78e-03	12.49
139	3	33.52	4.09e-03	-6.21e-04	-0.93	0.0	-20.69	2.66	0.04	0.01	-0.05	30.39
		30.39	-0.05	-2.07e-06	0.0	71.0	-20.69	2.20	0.04	0.01	-0.02	32.12
						142.0	-20.69	1.73	0.04	0.01	4.09e-03	33.52
139	8	-0.07	-2.32e-03	-5.18e-04	0.0	0.0	0.32	3.84	0.04	0.03	-0.06	-5.51
		-5.51	-0.06	-2.82e-05	0.0	71.0	0.32	3.84	0.04	0.03	-0.03	-2.79
						142.0	0.32	3.84	0.04	0.03	-2.32e-03	-0.07
139	10	3.00	-1.64	3.40e-05	0.0	0.0	6.60	0.28	-0.10	0.13	-1.64	2.68
		2.68	-1.77	4.23e-05	0.0	71.0	6.60	0.28	-0.10	0.13	-1.71	2.84
						142.0	6.60	0.28	-0.10	0.13	-1.77	3.00
140	1	14.36	5.21e-04	-2.66e-04	-0.92	0.0	-6.05	1.29	8.79e-03	2.93e-03	-0.01	13.17
		13.17	-0.01	0.0	0.0	71.0	-6.05	0.83	8.79e-03	2.93e-03	-5.72e-03	13.93
						142.0	-6.05	0.38	8.79e-03	2.93e-03	5.21e-04	14.36
140	3	38.69	-2.21e-03	-7.13e-04	-0.93	0.0	-15.06	2.66	0.02	9.52e-03	-0.03	35.57
		35.57	-0.03	-1.31e-06	0.0	71.0	-15.06	2.20	0.02	9.52e-03	-0.02	37.30
						142.0	-15.06	1.73	0.02	9.52e-03	-2.21e-03	38.69
140	8	-0.22	-1.33e-03	-6.82e-04	0.0	0.0	-0.11	4.35	0.01	0.03	-0.02	-6.39
		-6.39	-0.02	-3.10e-05	0.0	71.0	-0.11	4.35	0.01	0.03	-8.93e-03	-3.30
						142.0	-0.11	4.35	0.01	0.03	-1.33e-03	-0.22
140	10	2.19	-1.67	-4.74e-05	0.0	0.0	2.19	0.27	-0.06	0.13	-1.67	1.85
		1.85	-1.74	4.08e-05	0.0	71.0	2.19	0.27	-0.06	0.13	-1.70	2.02
						142.0	2.19	0.27	-0.06	0.13	-1.74	2.19
141	3	41.19	-2.77e-03	-7.58e-04	-0.93	0.0	-19.38	2.67	7.85e-03	5.44e-03	-0.01	38.06
		38.06	-0.01	0.0	0.0	71.0	-19.38	2.20	7.85e-03	5.44e-03	-8.34e-03	39.79
						142.0	-19.38	1.74	7.85e-03	5.44e-03	-2.77e-03	41.19
141	5	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	71.0	0.0	0.0	0.0	0.0	0.0	0.0
						142.0	0.0	0.0	0.0	0.0	0.0	0.0

141	8	-0.43	-1.21e-03	-6.71e-04	0.0	0.0	-0.55	3.95	-6.85e-03	0.02	-0.01	-6.03
		-6.03	-0.01	-3.21e-05	0.0	71.0	-0.55	3.95	-6.85e-03	0.02	-5.66e-03	-3.23
						142.0	-0.55	3.95	-6.85e-03	0.02	-1.21e-03	-0.43
141	10	2.87	-1.68	4.62e-05	0.0	0.0	3.84	0.29	-0.04	0.14	-1.68	2.47
		2.47	-1.73	4.00e-05	0.0	71.0	3.84	0.29	-0.04	0.14	-1.70	2.67
						142.0	3.84	0.29	-0.04	0.14	-1.73	2.87
142	3	36.97	8.66e-04	-6.82e-04	-0.93	0.0	-4.18	2.66	-1.76e-03	8.87e-04	8.66e-04	33.85
		33.85	-1.63e-03	0.0	0.0	71.0	-4.18	2.20	-1.76e-03	8.87e-04	-3.83e-04	35.57
						142.0	-4.18	1.73	-1.76e-03	8.87e-04	-1.63e-03	36.97
142	7	-0.06	1.05e-03	-1.13e-03	0.0	0.0	0.82	6.89	6.55e-03	-0.02	-9.80e-03	-9.79
		-9.79	-9.80e-03	3.64e-05	0.0	71.0	0.82	6.89	6.55e-03	-0.02	-4.37e-03	-4.92
						142.0	0.82	6.89	6.55e-03	-0.02	1.05e-03	-0.06
142	8	-0.06	0.01	-1.13e-03	0.0	0.0	0.81	6.88	-7.42e-03	0.02	0.01	-9.78
		-9.78	1.25e-03	-3.32e-05	0.0	71.0	0.81	6.88	-7.42e-03	0.02	6.06e-03	-4.92
						142.0	0.81	6.88	-7.42e-03	0.02	1.25e-03	-0.06
142	10	0.05	-1.69	0.0	0.0	0.0	-0.05	0.01	-0.03	0.14	-1.69	0.05
		0.05	-1.72	3.98e-05	0.0	71.0	-0.05	0.01	-0.03	0.14	-1.70	0.05
						142.0	-0.05	0.01	-0.03	0.14	-1.72	0.05
143	3	41.04	0.02	-7.55e-04	-0.94	0.0	-19.21	2.66	-0.01	-3.61e-03	0.02	37.93
		37.93	-6.85e-04	1.33e-06	0.0	71.0	-19.21	2.19	-0.01	-3.61e-03	7.44e-03	39.65
						142.0	-19.21	1.72	-0.01	-3.61e-03	-6.85e-04	41.04
143	4	0.10	5.41e-04	-1.22e-06	0.0	0.0	0.12	-2.09e-03	5.84e-04	-7.88e-04	-2.89e-04	0.10
		0.10	-2.89e-04	0.0	0.0	71.0	0.12	-2.09e-03	5.84e-04	-7.88e-04	1.26e-04	0.10
						142.0	0.12	-2.09e-03	5.84e-04	-7.88e-04	5.41e-04	0.10
143	7	-0.43	1.19e-03	-6.70e-04	0.0	0.0	-0.56	3.94	6.49e-03	-0.03	-9.73e-03	-6.01
		-6.01	-9.73e-03	3.53e-05	0.0	71.0	-0.56	3.94	6.49e-03	-0.03	-4.27e-03	-3.22
						142.0	-0.56	3.94	6.49e-03	-0.03	1.19e-03	-0.43
143	10	-2.50	-1.68	-4.68e-05	0.0	0.0	-3.87	-0.30	-0.04	0.14	-1.68	-2.50
		-2.90	-1.73	4.01e-05	0.0	71.0	-3.87	-0.30	-0.04	0.14	-1.71	-2.70
						142.0	-3.87	-0.30	-0.04	0.14	-1.73	-2.90
144	3	38.72	0.03	-7.14e-04	-0.93	0.0	-15.19	2.66	-0.02	-7.66e-03	0.03	35.60
		35.60	-1.77e-03	2.27e-06	0.0	71.0	-15.19	2.20	-0.02	-7.66e-03	0.01	37.33
						142.0	-15.19	1.73	-0.02	-7.66e-03	-1.77e-03	38.72
144	4	0.09	1.20e-03	-1.17e-06	0.0	0.0	0.19	-1.62e-03	9.93e-04	-8.73e-04	-2.15e-04	0.09
		0.09	-2.15e-04	0.0	0.0	71.0	0.19	-1.62e-03	9.93e-04	-8.73e-04	4.90e-04	0.09
						142.0	0.19	-1.62e-03	9.93e-04	-8.73e-04	1.20e-03	0.09
144	7	-0.22	0.01	-6.78e-04	0.0	0.0	-0.11	4.32	-9.63e-03	-0.03	0.01	-6.34
		-6.34	1.62e-03	3.43e-05	0.0	71.0	-0.11	4.32	-9.63e-03	-0.03	8.26e-03	-3.28
						142.0	-0.11	4.32	-9.63e-03	-0.03	1.62e-03	-0.22
144	10	-1.86	-1.66	4.73e-05	0.0	0.0	-2.21	0.27	-0.06	0.13	-1.66	-1.86
		-2.20	-1.75	4.09e-05	0.0	71.0	-2.21	0.27	-0.06	0.13	-1.71	-2.03
						142.0	-2.21	0.27	-0.06	0.13	-1.75	-2.20
145	3	33.48	0.05	-6.21e-04	-0.93	0.0	-20.60	2.66	-0.04	-9.79e-03	0.05	30.36
		30.36	-8.98e-03	3.12e-06	0.0	71.0	-20.60	2.20	-0.04	-9.79e-03	0.02	32.08
						142.0	-20.60	1.73	-0.04	-9.79e-03	-8.98e-03	33.48
145	7	-0.07	0.06	-5.22e-04	0.0	0.0	0.33	3.86	-0.04	-0.03	0.06	-5.54
		-5.54	3.00e-03	3.15e-05	0.0	71.0	0.33	3.86	-0.04	-0.03	0.03	-2.81
						142.0	0.33	3.86	-0.04	-0.03	3.00e-03	-0.07
145	10	-2.68	-1.64	-3.49e-05	0.0	0.0	-6.59	-0.29	-0.11	0.13	-1.64	-2.68
		-3.01	-1.78	4.24e-05	0.0	71.0	-6.59	-0.29	-0.11	0.13	-1.71	-2.85
						142.0	-6.59	-0.29	-0.11	0.13	-1.78	-3.01
146	3	3.23	0.12	-5.29e-05	-0.93	0.0	6.66	0.32	-0.11	-0.01	0.12	3.16
		2.95	-0.04	4.40e-06	0.0	71.0	6.66	-0.15	-0.11	-0.01	0.04	3.22
						142.0	6.66	-0.61	-0.11	-0.01	-0.04	2.95
146	4	0.14	6.12e-03	-2.59e-06	0.0	0.0	-0.17	3.54e-03	6.57e-03	-1.12e-03	-3.21e-03	0.14
		0.14	-3.21e-03	0.0	0.0	71.0	-0.17	3.54e-03	6.57e-03	-1.12e-03	1.45e-03	0.14
						142.0	-0.17	3.54e-03	6.57e-03	-1.12e-03	6.12e-03	0.14
146	7	-0.57	2.74	1.38e-04	0.0	0.0	0.38	0.64	-3.79	0.04	2.74	-1.19
		-1.19	-2.64	3.16e-05	0.0	71.0	0.38	0.64	-3.79	0.04	0.05	-0.88
						142.0	0.38	0.64	-3.79	0.04	-2.64	-0.57
146	9	-12.91	-0.27	2.70e-04	0.0	0.0	3.44	-0.98	-1.54	0.15	-0.27	-12.91
		-14.26	-2.44	3.76e-04	0.0	71.0	3.44	-0.98	-1.54	0.15	-1.36	-13.59
						142.0	3.44	-0.98	-1.54	0.15	-2.44	-14.26
147	1	0.16	0.0	2.24e-04	-0.65	0.0	-2.38	0.32	0.0	0.02	0.0	0.0
		0.0	0.0	-2.40e-05	0.0	96.5	-2.38	0.0	0.0	0.02	0.0	0.16
						193.0	-2.38	-0.32	0.0	0.02	0.0	0.0
147	3	0.77	0.0	5.42e-04	-3.18	0.0	-5.70	1.59	0.0	0.06	0.0	0.0
		0.0	0.0	-6.58e-05	0.0	96.5	-5.70	0.0	0.0	0.06	0.0	0.77
						193.0	-5.70	-1.59	0.0	0.06	0.0	0.0
147	7	0.0	0.0	6.59e-05	0.0	0.0	8.03	0.0	0.0	-8.85e-03	0.0	0.0
		0.0	0.0	9.44e-04	0.0	96.5	8.03	0.0	0.0	-8.85e-03	0.0	0.0
						193.0	8.03	0.0	0.0	-8.85e-03	0.0	0.0
147	8	0.0	0.0	3.56e-05	0.0	0.0	10.67	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	4.42e-04	0.0	96.5	10.67	0.0	0.0	-0.02	0.0	0.0
						193.0	10.67	0.0	0.0	-0.02	0.0	0.0
148	3	0.77	0.0	8.42e-04	-3.18	0.0	-5.91	1.59	0.0	0.04	0.0	0.0
		0.0	0.0	-4.73e-05	0.0	96.5	-5.91	0.0	0.0	0.04	0.0	0.77

						193.0	-5.91	-1.59	0.0	0.04	0.0	0.0
148	7	0.0	0.0	5.68e-05	0.0	0.0	1.15	0.0	0.0	-4.22e-03	0.0	0.0
		0.0	0.0	9.43e-04	0.0	96.5	1.15	0.0	0.0	-4.22e-03	0.0	0.0
						193.0	1.15	0.0	0.0	-4.22e-03	0.0	0.0
148	8	0.0	0.0	-8.81e-06	0.0	0.0	1.45	0.0	0.0	-6.42e-03	0.0	0.0
		0.0	0.0	4.33e-04	0.0	96.5	1.45	0.0	0.0	-6.42e-03	0.0	0.0
						193.0	1.45	0.0	0.0	-6.42e-03	0.0	0.0
148	9	0.0	0.0	-7.78e-04	0.0	0.0	-2.72	0.0	0.0	-0.05	0.0	0.0
		0.0	0.0	8.65e-05	0.0	96.5	-2.72	0.0	0.0	-0.05	0.0	0.0
						193.0	-2.72	0.0	0.0	-0.05	0.0	0.0
149	3	0.77	0.0	1.05e-03	-3.18	0.0	-7.67	1.59	0.0	0.03	0.0	0.0
		0.0	0.0	-3.08e-05	0.0	96.5	-7.67	0.0	0.0	0.03	0.0	0.77
						193.0	-7.67	-1.59	0.0	0.03	0.0	0.0
149	4	0.0	0.0	-7.02e-06	0.0	0.0	0.06	0.0	0.0	2.09e-04	0.0	0.0
		0.0	0.0	1.73e-06	0.0	96.5	0.06	0.0	0.0	2.09e-04	0.0	0.0
						193.0	0.06	0.0	0.0	2.09e-04	0.0	0.0
149	7	0.0	0.0	4.51e-05	0.0	0.0	-1.60	0.0	0.0	-4.17e-03	0.0	0.0
		0.0	0.0	9.45e-04	0.0	96.5	-1.60	0.0	0.0	-4.17e-03	0.0	0.0
						193.0	-1.60	0.0	0.0	-4.17e-03	0.0	0.0
149	9	0.0	0.0	-1.11e-03	0.0	0.0	-2.23	0.0	0.0	-0.04	0.0	0.0
		0.0	0.0	8.42e-05	0.0	96.5	-2.23	0.0	0.0	-0.04	0.0	0.0
						193.0	-2.23	0.0	0.0	-0.04	0.0	0.0
150	3	0.77	0.0	1.18e-03	-3.18	0.0	-8.46	1.59	0.0	0.01	0.0	0.0
		0.0	0.0	-1.52e-05	0.0	96.5	-8.46	0.0	0.0	0.01	0.0	0.77
						193.0	-8.46	-1.59	0.0	0.01	0.0	0.0
150	4	0.0	0.0	-5.91e-06	0.0	0.0	0.04	0.0	0.0	1.79e-04	0.0	0.0
		0.0	0.0	1.72e-06	0.0	96.5	0.04	0.0	0.0	1.79e-04	0.0	0.0
						193.0	0.04	0.0	0.0	1.79e-04	0.0	0.0
150	8	0.0	0.0	-1.40e-05	0.0	0.0	-1.01	0.0	0.0	8.19e-03	0.0	0.0
		0.0	0.0	4.28e-04	0.0	96.5	-1.01	0.0	0.0	8.19e-03	0.0	0.0
						193.0	-1.01	0.0	0.0	8.19e-03	0.0	0.0
150	9	0.0	0.0	-1.35e-03	0.0	0.0	-2.05	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	7.67e-05	0.0	96.5	-2.05	0.0	0.0	-0.02	0.0	0.0
						193.0	-2.05	0.0	0.0	-0.02	0.0	0.0
151	3	0.77	0.0	1.21e-03	-3.18	0.0	-8.39	1.59	0.0	-4.85e-04	0.0	0.0
		0.0	0.0	0.0	0.0	96.5	-8.39	0.0	0.0	-4.85e-04	0.0	0.77
						193.0	-8.39	-1.59	0.0	-4.85e-04	0.0	0.0
151	7	0.0	0.0	-4.28e-06	0.0	0.0	0.04	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	9.49e-04	0.0	96.5	0.04	0.0	0.0	-0.01	0.0	0.0
						193.0	0.04	0.0	0.0	-0.01	0.0	0.0
151	8	0.0	0.0	-2.98e-06	0.0	0.0	0.04	0.0	0.0	0.01	0.0	0.0
		0.0	0.0	4.27e-04	0.0	96.5	0.04	0.0	0.0	0.01	0.0	0.0
						193.0	0.04	0.0	0.0	0.01	0.0	0.0
151	10	0.0	0.0	-1.43e-03	0.0	0.0	-2.49	0.0	0.0	-1.38e-03	0.0	0.0
		0.0	0.0	-6.29e-05	0.0	96.5	-2.49	0.0	0.0	-1.38e-03	0.0	0.0
						193.0	-2.49	0.0	0.0	-1.38e-03	0.0	0.0
152	3	0.77	0.0	1.17e-03	-3.18	0.0	-8.44	1.59	0.0	-0.01	0.0	0.0
		0.0	0.0	1.55e-05	0.0	96.5	-8.44	0.0	0.0	-0.01	0.0	0.77
						193.0	-8.44	-1.59	0.0	-0.01	0.0	0.0
152	7	0.0	0.0	-3.14e-05	0.0	0.0	1.15	0.0	0.0	-9.26e-03	0.0	0.0
		0.0	0.0	9.47e-04	0.0	96.5	1.15	0.0	0.0	-9.26e-03	0.0	0.0
						193.0	1.15	0.0	0.0	-9.26e-03	0.0	0.0
152	8	0.0	0.0	8.84e-06	0.0	0.0	1.08	0.0	0.0	7.90e-03	0.0	0.0
		0.0	0.0	4.27e-04	0.0	96.5	1.08	0.0	0.0	7.90e-03	0.0	0.0
						193.0	1.08	0.0	0.0	7.90e-03	0.0	0.0
152	9	0.0	0.0	-1.34e-03	0.0	0.0	-1.74	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	4.79e-05	0.0	96.5	-1.74	0.0	0.0	0.03	0.0	0.0
						193.0	-1.74	0.0	0.0	0.03	0.0	0.0
153	1	0.16	0.0	4.03e-04	-0.65	0.0	-3.03	0.32	0.0	-0.01	0.0	0.0
		0.0	0.0	1.13e-05	0.0	96.5	-3.03	0.0	0.0	-0.01	0.0	0.16
						193.0	-3.03	-0.32	0.0	-0.01	0.0	0.0
153	3	0.77	0.0	1.04e-03	-3.18	0.0	-7.61	1.59	0.0	-0.03	0.0	0.0
		0.0	0.0	3.12e-05	0.0	96.5	-7.61	0.0	0.0	-0.03	0.0	0.77
						193.0	-7.61	-1.59	0.0	-0.03	0.0	0.0
153	8	0.0	0.0	1.43e-05	0.0	0.0	1.58	0.0	0.0	-2.70e-03	0.0	0.0
		0.0	0.0	4.29e-04	0.0	96.5	1.58	0.0	0.0	-2.70e-03	0.0	0.0
						193.0	1.58	0.0	0.0	-2.70e-03	0.0	0.0
154	3	0.77	0.0	8.25e-04	-3.18	0.0	-5.83	1.59	0.0	-0.04	0.0	0.0
		0.0	0.0	4.78e-05	0.0	96.5	-5.83	0.0	0.0	-0.04	0.0	0.77
						193.0	-5.83	-1.59	0.0	-0.04	0.0	0.0
154	4	0.0	0.0	-3.24e-06	0.0	0.0	0.04	0.0	0.0	7.20e-05	0.0	0.0
		0.0	0.0	1.65e-06	0.0	96.5	0.04	0.0	0.0	7.20e-05	0.0	0.0
						193.0	0.04	0.0	0.0	7.20e-05	0.0	0.0
154	6	0.61	0.0	6.60e-04	-2.54	0.0	-4.66	1.27	0.0	-0.04	0.0	0.0
		0.0	0.0	3.82e-05	0.0	96.5	-4.66	0.0	0.0	-0.04	0.0	0.61
						193.0	-4.66	-1.27	0.0	-0.04	0.0	0.0
154	7	0.0	0.0	-6.10e-05	0.0	0.0	-1.56	0.0	0.0	-4.51e-03	0.0	0.0

		0.0	0.0	9.43e-04	0.0	96.5	-1.56	0.0	0.0	-4.51e-03	0.0	0.0
						193.0	-1.56	0.0	0.0	-4.51e-03	0.0	0.0
155	1	0.16	0.0	2.15e-04	-0.65	0.0	-2.37	0.32	0.0	-0.02	0.0	0.0
		0.0	0.0	2.44e-05	0.0	96.5	-2.37	0.0	0.0	-0.02	0.0	0.16
						193.0	-2.37	-0.32	0.0	-0.02	0.0	0.0
155	3	0.77	0.0	5.18e-04	-3.18	0.0	-5.71	1.59	0.0	-0.06	0.0	0.0
		0.0	0.0	6.64e-05	0.0	96.5	-5.71	0.0	0.0	-0.06	0.0	0.77
						193.0	-5.71	-1.59	0.0	-0.06	0.0	0.0
155	4	0.0	0.0	-2.83e-06	0.0	0.0	0.10	0.0	0.0	7.43e-05	0.0	0.0
		0.0	0.0	1.59e-06	0.0	96.5	0.10	0.0	0.0	7.43e-05	0.0	0.0
						193.0	0.10	0.0	0.0	7.43e-05	0.0	0.0
155	8	0.0	0.0	-4.28e-05	0.0	0.0	-11.05	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	4.43e-04	0.0	96.5	-11.05	0.0	0.0	-0.02	0.0	0.0
						193.0	-11.05	0.0	0.0	-0.02	0.0	0.0
156	3	4.04	-0.03	-1.42e-04	-0.93	0.0	5.38	-0.61	0.03	0.07	-0.08	4.04
		2.51	-0.08	-6.38e-06	0.0	71.0	5.38	-1.08	0.03	0.07	-0.05	3.44
						142.0	5.38	-1.54	0.03	0.07	-0.03	2.51
156	8	-1.65	2.31	1.44e-04	0.0	0.0	1.07	-0.65	3.17	0.20	-2.20	-1.65
		-1.91	-2.20	-6.09e-05	0.0	71.0	1.07	-0.65	3.17	0.20	0.05	-1.78
						142.0	1.07	-0.65	3.17	0.20	2.31	-1.91
156	9	13.47	0.38	-7.29e-04	0.0	0.0	-3.13	3.04	-2.14	0.35	0.38	9.18
		9.18	-2.67	6.35e-04	0.0	71.0	-3.13	3.04	-2.14	0.35	-1.14	11.33
						142.0	-3.13	3.04	-2.14	0.35	-2.67	13.47
156	10	14.08	-0.53	-7.36e-04	0.0	0.0	2.91	2.77	-1.25	0.36	-0.53	10.19
		10.19	-2.29	2.97e-04	0.0	71.0	2.91	2.77	-1.25	0.36	-1.41	12.14
						142.0	2.91	2.77	-1.25	0.36	-2.29	14.08
157	3	31.09	-0.05	-1.69e-03	-0.93	0.0	-18.94	6.78	4.63e-03	0.05	-0.05	22.13
		22.13	-0.05	-3.65e-06	0.0	71.0	-18.94	6.31	4.63e-03	0.05	-0.05	26.78
						142.0	-18.94	5.84	4.63e-03	0.05	-0.05	31.09
157	8	-5.27	0.15	-3.35e-04	0.0	0.0	0.91	3.40	-0.14	0.09	0.15	-10.07
		-10.07	-0.06	-4.45e-05	0.0	71.0	0.91	3.40	-0.14	0.09	0.05	-7.67
						142.0	0.91	3.40	-0.14	0.09	-0.06	-5.27
157	10	2.61	-1.61	7.60e-05	0.0	0.0	5.82	0.72	0.04	0.38	-1.61	1.91
		1.91	-1.64	2.95e-04	0.0	71.0	5.82	0.72	0.04	0.38	-1.63	2.26
						142.0	5.82	0.72	0.04	0.38	-1.64	2.61
158	3	35.79	-0.03	-1.95e-03	-0.93	0.0	-14.43	6.78	2.44e-03	0.03	-0.03	26.83
		26.83	-0.03	-2.30e-06	0.0	71.0	-14.43	6.31	2.44e-03	0.03	-0.03	31.47
						142.0	-14.43	5.84	2.44e-03	0.03	-0.03	35.79
158	8	-6.36	0.10	-4.66e-04	0.0	0.0	-0.29	3.91	-0.08	0.05	0.10	-11.91
		-11.91	-0.02	-3.91e-05	0.0	71.0	-0.29	3.91	-0.08	0.05	0.04	-9.13
						142.0	-0.29	3.91	-0.08	0.05	-0.02	-6.36
158	10	1.94	-1.63	-1.13e-04	0.0	0.0	1.94	0.62	0.04	0.40	-1.63	1.11
		1.11	-1.67	2.92e-04	0.0	71.0	1.94	0.62	0.04	0.40	-1.65	1.53
						142.0	1.94	0.62	0.04	0.40	-1.67	1.94
159	3	38.33	-0.01	-2.08e-03	-0.93	0.0	-18.66	6.79	-6.41e-04	0.02	-0.01	29.35
		29.35	-0.01	-1.07e-06	0.0	71.0	-18.66	6.33	-6.41e-04	0.02	-0.01	34.00
						142.0	-18.66	5.86	-6.41e-04	0.02	-0.01	38.33
159	7	-6.09	0.05	-4.44e-04	0.0	0.0	-1.53	3.33	-0.03	-0.02	0.05	-10.82
		-10.82	-0.01	3.56e-05	0.0	71.0	-1.53	3.33	-0.03	-0.02	0.02	-8.46
						142.0	-1.53	3.33	-0.03	-0.02	-0.01	-6.09
159	8	-6.35	0.05	-4.60e-04	0.0	0.0	-1.49	3.50	-0.04	0.03	0.05	-11.32
		-11.32	-0.01	-3.71e-05	0.0	71.0	-1.49	3.50	-0.04	0.03	0.02	-8.84
						142.0	-1.49	3.50	-0.04	0.03	-0.01	-6.35
159	10	2.65	-1.64	1.33e-04	0.0	0.0	3.41	0.81	0.04	0.41	-1.64	1.51
		1.51	-1.68	2.90e-04	0.0	71.0	3.41	0.81	0.04	0.41	-1.66	2.08
						142.0	3.41	0.81	0.04	0.41	-1.68	2.65
160	3	33.80	1.86e-03	-1.85e-03	-0.93	0.0	-4.18	6.77	-6.99e-04	5.97e-04	1.86e-03	24.84
		24.84	8.66e-04	0.0	0.0	71.0	-4.18	6.31	-6.99e-04	5.97e-04	1.36e-03	29.48
						142.0	-4.18	5.84	-6.99e-04	5.97e-04	8.66e-04	33.80
160	7	-9.24	-9.80e-03	-8.02e-04	0.0	0.0	2.14	6.22	4.74e-03	-0.02	-0.01	-18.07
		-18.07	-0.01	3.63e-05	0.0	71.0	2.14	6.22	4.74e-03	-0.02	-0.01	-13.66
						142.0	2.14	6.22	4.74e-03	-0.02	-9.80e-03	-9.24
160	8	-9.24	0.02	-8.02e-04	0.0	0.0	2.14	6.22	-3.68e-03	0.02	0.02	-18.06
		-18.06	0.01	-3.66e-05	0.0	71.0	2.14	6.22	-3.68e-03	0.02	0.01	-13.65
						142.0	2.14	6.22	-3.68e-03	0.02	0.01	-9.24
160	10	0.05	-1.65	2.44e-06	0.0	0.0	-0.05	0.02	0.04	0.41	-1.65	-0.03
		-0.03	-1.69	2.90e-04	0.0	71.0	-0.05	0.02	0.04	0.41	-1.67	7.41e-03
						142.0	-0.05	0.02	0.04	0.41	-1.69	0.05
161	3	38.19	0.02	-2.07e-03	-0.94	0.0	-18.51	6.76	-8.45e-04	-0.02	0.02	29.25
		29.25	0.02	1.82e-06	0.0	71.0	-18.51	6.29	-8.45e-04	-0.02	0.02	33.89
						142.0	-18.51	5.82	-8.45e-04	-0.02	0.02	38.19
161	4	0.10	-2.89e-04	-4.57e-06	0.0	0.0	0.12	-2.09e-03	1.64e-04	-1.03e-03	-5.22e-04	0.10
		0.10	-5.22e-04	0.0	0.0	71.0	0.12	-2.09e-03	1.64e-04	-1.03e-03	-4.06e-04	0.10
						142.0	0.12	-2.09e-03	1.64e-04	-1.03e-03	-2.89e-04	0.10
161	7	-6.34	-9.73e-03	-4.60e-04	0.0	0.0	-1.51	3.50	0.04	-0.03	-0.06	-11.31
		-11.31	-0.06	3.68e-05	0.0	71.0	-1.51	3.50	0.04	-0.03	-0.03	-8.82
						142.0	-1.51	3.50	0.04	-0.03	-9.73e-03	-6.34

161	10	-1.53	-1.64	-1.35e-04	0.0	0.0	-3.43	-0.82	0.04	0.41	-1.64	-1.53
		-2.68	-1.68	2.90e-04	0.0	71.0	-3.43	-0.82	0.04	0.41	-1.66	-2.10
						142.0	-3.43	-0.82	0.04	0.41	-1.68	-2.68
162	3	35.82	0.04	-1.95e-03	-0.93	0.0	-14.54	6.78	-4.24e-03	-0.03	0.04	26.86
		26.86	0.03	3.07e-06	0.0	71.0	-14.54	6.31	-4.24e-03	-0.03	0.03	31.51
						142.0	-14.54	5.84	-4.24e-03	-0.03	0.03	35.82
162	4	0.10	-2.15e-04	-4.31e-06	0.0	0.0	0.19	-1.62e-03	3.90e-04	-1.35e-03	-7.68e-04	0.10
		0.10	-7.68e-04	0.0	0.0	71.0	0.19	-1.62e-03	3.90e-04	-1.35e-03	-4.91e-04	0.10
						142.0	0.19	-1.62e-03	3.90e-04	-1.35e-03	-2.15e-04	0.10
162	7	-6.32	0.01	-4.63e-04	0.0	0.0	-0.29	3.89	0.08	-0.05	-0.11	-11.83
		-11.83	-0.11	3.88e-05	0.0	71.0	-0.29	3.89	0.08	-0.05	-0.05	-9.08
						142.0	-0.29	3.89	0.08	-0.05	0.01	-6.32
162	10	-1.12	-1.64	1.13e-04	0.0	0.0	-1.96	0.62	0.04	0.40	-1.64	-1.12
		-1.95	-1.66	2.92e-04	0.0	71.0	-1.96	0.62	0.04	0.40	-1.65	-1.53
						142.0	-1.96	0.62	0.04	0.40	-1.66	-1.95
163	3	31.06	0.06	-1.69e-03	-0.93	0.0	-18.86	6.78	-7.00e-03	-0.05	0.06	22.10
		22.10	0.05	4.44e-06	0.0	71.0	-18.86	6.31	-7.00e-03	-0.05	0.05	26.74
						142.0	-18.86	5.84	-7.00e-03	-0.05	0.05	31.06
163	7	-5.30	0.06	-3.38e-04	0.0	0.0	0.93	3.42	0.15	-0.09	-0.16	-10.13
		-10.13	-0.16	4.42e-05	0.0	71.0	0.93	3.42	0.15	-0.09	-0.05	-7.71
						142.0	0.93	3.42	0.15	-0.09	0.06	-5.30
163	10	-1.91	-1.61	-7.77e-05	0.0	0.0	-5.80	-0.73	0.03	0.38	-1.61	-1.91
		-2.62	-1.64	2.95e-04	0.0	71.0	-5.80	-0.73	0.03	0.38	-1.63	-2.27
						142.0	-5.80	-0.73	0.03	0.38	-1.64	-2.62
164	3	4.08	0.08	-1.43e-04	-0.93	0.0	5.31	-0.62	-0.04	-0.07	0.08	4.08
		2.54	0.03	7.22e-06	0.0	71.0	5.31	-1.08	-0.04	-0.07	0.06	3.47
						142.0	5.31	-1.55	-0.04	-0.07	0.03	2.54
164	4	0.14	2.77e-03	-7.31e-06	0.0	0.0	-0.16	0.02	3.79e-03	-2.45e-03	-2.62e-03	0.12
		0.12	-2.62e-03	0.0	0.0	71.0	-0.16	0.02	3.79e-03	-2.45e-03	7.40e-05	0.13
						142.0	-0.16	0.02	3.79e-03	-2.45e-03	2.77e-03	0.14
164	7	-1.67	2.19	1.41e-04	0.0	0.0	1.07	-0.64	-3.16	-0.20	2.19	-1.67
		-1.92	-2.30	6.06e-05	0.0	71.0	1.07	-0.64	-3.16	-0.20	-0.06	-1.79
						142.0	1.07	-0.64	-3.16	-0.20	-2.30	-1.92
164	9	-9.19	0.38	7.29e-04	0.0	0.0	3.18	-3.04	-2.13	0.35	0.38	-9.19
		-13.48	-2.66	6.35e-04	0.0	71.0	3.18	-3.04	-2.13	0.35	-1.14	-11.33
						142.0	3.18	-3.04	-2.13	0.35	-2.66	-13.48
164	10	-10.18	-0.53	7.36e-04	0.0	0.0	2.92	-2.78	-1.24	0.36	-0.53	-10.18
		-14.09	-2.29	2.97e-04	0.0	71.0	2.92	-2.78	-1.24	0.36	-1.41	-12.14
						142.0	2.92	-2.78	-1.24	0.36	-2.29	-14.09
165	1	0.16	0.0	2.36e-04	-0.65	0.0	-1.39	0.32	0.0	0.03	0.0	0.0
		0.0	0.0	-4.89e-05	0.0	96.5	-1.39	0.0	0.0	0.03	0.0	0.16
						193.0	-1.39	-0.32	0.0	0.03	0.0	0.0
165	3	0.77	0.0	7.04e-04	-3.18	0.0	-3.70	1.59	0.0	0.10	0.0	0.0
		0.0	0.0	-1.37e-04	0.0	96.5	-3.70	0.0	0.0	0.10	0.0	0.77
						193.0	-3.70	-1.59	0.0	0.10	0.0	0.0
165	7	0.0	0.0	3.38e-04	0.0	0.0	2.81	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	1.22e-03	0.0	96.5	2.81	0.0	0.0	0.02	0.0	0.0
						193.0	2.81	0.0	0.0	0.02	0.0	0.0
165	8	0.0	0.0	3.41e-04	0.0	0.0	6.30	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	8.89e-04	0.0	96.5	6.30	0.0	0.0	0.02	0.0	0.0
						193.0	6.30	0.0	0.0	0.02	0.0	0.0
165	9	0.0	0.0	6.73e-04	0.0	0.0	-6.75	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	8.04e-05	0.0	96.5	-6.75	0.0	0.0	-0.03	0.0	0.0
						193.0	-6.75	0.0	0.0	-0.03	0.0	0.0
166	3	0.77	0.0	1.21e-03	-3.18	0.0	-6.21	1.59	0.0	0.08	0.0	0.0
		0.0	0.0	-1.14e-04	0.0	96.5	-6.21	0.0	0.0	0.08	0.0	0.77
						193.0	-6.21	-1.59	0.0	0.08	0.0	0.0
166	4	0.0	0.0	-1.19e-05	0.0	0.0	0.07	0.0	0.0	2.23e-04	0.0	0.0
		0.0	0.0	1.74e-06	0.0	96.5	0.07	0.0	0.0	2.23e-04	0.0	0.0
						193.0	0.07	0.0	0.0	2.23e-04	0.0	0.0
166	6	0.61	0.0	9.70e-04	-2.54	0.0	-4.97	1.27	0.0	0.06	0.0	0.0
		0.0	0.0	-9.11e-05	0.0	96.5	-4.97	0.0	0.0	0.06	0.0	0.61
						193.0	-4.97	-1.27	0.0	0.06	0.0	0.0
166	7	0.0	0.0	3.68e-04	0.0	0.0	-0.48	0.0	0.0	-6.50e-03	0.0	0.0
		0.0	0.0	1.24e-03	0.0	96.5	-0.48	0.0	0.0	-6.50e-03	0.0	0.0
						193.0	-0.48	0.0	0.0	-6.50e-03	0.0	0.0
166	8	0.0	0.0	3.64e-04	0.0	0.0	-0.79	0.0	0.0	-6.91e-03	0.0	0.0
		0.0	0.0	9.12e-04	0.0	96.5	-0.79	0.0	0.0	-6.91e-03	0.0	0.0
						193.0	-0.79	0.0	0.0	-6.91e-03	0.0	0.0
167	3	0.77	0.0	1.60e-03	-3.18	0.0	-7.85	1.59	0.0	0.06	0.0	0.0
		0.0	0.0	-8.20e-05	0.0	96.5	-7.85	0.0	0.0	0.06	0.0	0.77
						193.0	-7.85	-1.59	0.0	0.06	0.0	0.0
167	4	0.0	0.0	-1.06e-05	0.0	0.0	0.07	0.0	0.0	2.21e-04	0.0	0.0
		0.0	0.0	1.73e-06	0.0	96.5	0.07	0.0	0.0	2.21e-04	0.0	0.0
						193.0	0.07	0.0	0.0	2.21e-04	0.0	0.0
167	7	0.0	0.0	2.98e-04	0.0	0.0	-1.85	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	1.26e-03	0.0	96.5	-1.85	0.0	0.0	-0.02	0.0	0.0

						193.0	-1.85	0.0	0.0	-0.02	0.0	0.0
168	3	0.77	0.0	1.85e-03	-3.18	0.0	-8.59	1.59	0.0	0.03	0.0	0.0
		0.0	0.0	-4.26e-05	0.0	96.5	-8.59	0.0	0.0	0.03	0.0	0.77
						193.0	-8.59	-1.59	0.0	0.03	0.0	0.0
168	4	0.0	0.0	-9.27e-06	0.0	0.0	0.04	0.0	0.0	2.28e-04	0.0	0.0
		0.0	0.0	1.70e-06	0.0	96.5	0.04	0.0	0.0	2.28e-04	0.0	0.0
						193.0	0.04	0.0	0.0	2.28e-04	0.0	0.0
168	8	0.0	0.0	1.57e-04	0.0	0.0	-0.81	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	9.43e-04	0.0	96.5	-0.81	0.0	0.0	-0.03	0.0	0.0
						193.0	-0.81	0.0	0.0	-0.03	0.0	0.0
169	3	0.77	0.0	1.93e-03	-3.18	0.0	-8.42	1.59	0.0	-1.02e-03	0.0	0.0
		0.0	0.0	1.12e-06	0.0	96.5	-8.42	0.0	0.0	-1.02e-03	0.0	0.77
						193.0	-8.42	-1.59	0.0	-1.02e-03	0.0	0.0
169	7	0.0	0.0	-9.04e-06	0.0	0.0	0.04	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	1.28e-03	0.0	96.5	0.04	0.0	0.0	-0.03	0.0	0.0
						193.0	0.04	0.0	0.0	-0.03	0.0	0.0
169	8	0.0	0.0	-8.44e-06	0.0	0.0	0.03	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	9.47e-04	0.0	96.5	0.03	0.0	0.0	-0.03	0.0	0.0
						193.0	0.03	0.0	0.0	-0.03	0.0	0.0
169	9	0.0	0.0	1.20e-03	0.0	0.0	-4.23	0.0	0.0	-3.98e-03	0.0	0.0
		0.0	0.0	5.31e-05	0.0	96.5	-4.23	0.0	0.0	-3.98e-03	0.0	0.0
						193.0	-4.23	0.0	0.0	-3.98e-03	0.0	0.0
170	3	0.77	0.0	1.84e-03	-3.18	0.0	-8.58	1.59	0.0	-0.03	0.0	0.0
		0.0	0.0	4.47e-05	0.0	96.5	-8.58	0.0	0.0	-0.03	0.0	0.77
						193.0	-8.58	-1.59	0.0	-0.03	0.0	0.0
170	6	0.61	0.0	1.47e-03	-2.54	0.0	-6.86	1.27	0.0	-0.02	0.0	0.0
		0.0	0.0	3.57e-05	0.0	96.5	-6.86	0.0	0.0	-0.02	0.0	0.61
						193.0	-6.86	-1.27	0.0	-0.02	0.0	0.0
170	7	0.0	0.0	-1.77e-04	0.0	0.0	1.04	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	1.27e-03	0.0	96.5	1.04	0.0	0.0	-0.03	0.0	0.0
						193.0	1.04	0.0	0.0	-0.03	0.0	0.0
170	8	0.0	0.0	-1.73e-04	0.0	0.0	0.89	0.0	0.0	-0.03	0.0	0.0
		0.0	0.0	9.43e-04	0.0	96.5	0.89	0.0	0.0	-0.03	0.0	0.0
						193.0	0.89	0.0	0.0	-0.03	0.0	0.0
171	1	0.16	0.0	5.49e-04	-0.65	0.0	-3.12	0.32	0.0	-0.02	0.0	0.0
		0.0	0.0	3.02e-05	0.0	96.5	-3.12	0.0	0.0	-0.02	0.0	0.16
						193.0	-3.12	-0.32	0.0	-0.02	0.0	0.0
171	3	0.77	0.0	1.58e-03	-3.18	0.0	-7.79	1.59	0.0	-0.06	0.0	0.0
		0.0	0.0	8.37e-05	0.0	96.5	-7.79	0.0	0.0	-0.06	0.0	0.77
						193.0	-7.79	-1.59	0.0	-0.06	0.0	0.0
171	8	0.0	0.0	-3.04e-04	0.0	0.0	1.90	0.0	0.0	-0.02	0.0	0.0
		0.0	0.0	9.30e-04	0.0	96.5	1.90	0.0	0.0	-0.02	0.0	0.0
						193.0	1.90	0.0	0.0	-0.02	0.0	0.0
172	3	0.77	0.0	1.18e-03	-3.18	0.0	-6.10	1.59	0.0	-0.08	0.0	0.0
		0.0	0.0	1.15e-04	0.0	96.5	-6.10	0.0	0.0	-0.08	0.0	0.77
						193.0	-6.10	-1.59	0.0	-0.08	0.0	0.0
172	7	0.0	0.0	-3.74e-04	0.0	0.0	0.63	0.0	0.0	-6.45e-03	0.0	0.0
		0.0	0.0	1.24e-03	0.0	96.5	0.63	0.0	0.0	-6.45e-03	0.0	0.0
						193.0	0.63	0.0	0.0	-6.45e-03	0.0	0.0
173	1	0.16	0.0	2.22e-04	-0.65	0.0	-1.30	0.32	0.0	-0.03	0.0	0.0
		0.0	0.0	4.93e-05	0.0	96.5	-1.30	0.0	0.0	-0.03	0.0	0.16
						193.0	-1.30	-0.32	0.0	-0.03	0.0	0.0
173	3	0.77	0.0	6.66e-04	-3.18	0.0	-3.54	1.59	0.0	-0.10	0.0	0.0
		0.0	0.0	1.38e-04	0.0	96.5	-3.54	0.0	0.0	-0.10	0.0	0.77
						193.0	-3.54	-1.59	0.0	-0.10	0.0	0.0
173	4	0.0	0.0	-2.66e-06	0.0	0.0	0.06	0.0	0.0	1.91e-04	0.0	0.0
		0.0	0.0	1.69e-06	0.0	96.5	0.06	0.0	0.0	1.91e-04	0.0	0.0
						193.0	0.06	0.0	0.0	1.91e-04	0.0	0.0
173	8	0.0	0.0	-3.37e-04	0.0	0.0	-6.52	0.0	0.0	0.02	0.0	0.0
		0.0	0.0	8.87e-04	0.0	96.5	-6.52	0.0	0.0	0.02	0.0	0.0
						193.0	-6.52	0.0	0.0	0.02	0.0	0.0
173	10	0.0	0.0	6.73e-04	0.0	0.0	-6.82	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-7.97e-05	0.0	96.5	-6.82	0.0	0.0	0.03	0.0	0.0
						193.0	-6.82	0.0	0.0	0.03	0.0	0.0
174	3	6.10	0.02	-2.52e-04	-0.93	0.0	2.65	-1.78	-0.10	0.16	0.02	6.10
		2.91	-0.12	-1.53e-05	0.0	71.0	2.65	-2.24	-0.10	0.16	-0.05	4.67
						142.0	2.65	-2.71	-0.10	0.16	-0.12	2.91
174	8	-2.15	2.77	1.53e-04	0.0	0.0	2.03	1.13	3.66	0.05	-2.43	-3.55
		-3.55	-2.43	-6.64e-05	0.0	71.0	2.03	1.13	3.66	0.05	0.17	-2.85
						142.0	2.03	1.13	3.66	0.05	2.77	-2.15
174	9	10.26	1.41	-1.07e-03	0.0	0.0	-2.50	5.69	-3.19	0.51	1.41	2.22
		2.22	-3.13	8.75e-04	0.0	71.0	-2.50	5.69	-3.19	0.51	-0.86	6.24
						142.0	-2.50	5.69	-3.19	0.51	-3.13	10.26
174	10	11.22	0.57	-1.12e-03	0.0	0.0	2.42	6.01	-2.47	0.51	0.57	2.71
		2.71	-2.96	6.14e-04	0.0	71.0	2.42	6.01	-2.47	0.51	-1.19	6.96
						142.0	2.42	6.01	-2.47	0.51	-2.96	11.22
175	3	23.37	0.02	-2.49e-03	-0.93	0.0	-15.86	10.89	-0.05	0.09	0.02	8.57

		8.57	-0.05	-7.08e-06	0.0	71.0	-15.86	10.42	-0.05	0.09	-0.02	16.13
						142.0	-15.86	9.96	-0.05	0.09	-0.05	23.37
175	8	-9.93	0.25	5.20e-05	0.0	0.0	1.26	2.93	-0.07	0.01	0.25	-13.86
		-13.86	0.15	-5.14e-05	0.0	71.0	1.26	2.93	-0.07	0.01	0.20	-11.89
						142.0	1.26	2.93	-0.07	0.01	0.15	-9.93
175	10	1.72	-1.39	3.65e-05	0.0	0.0	4.38	1.07	-0.18	0.60	-1.39	1.28
		1.28	-1.61	6.00e-04	0.0	71.0	4.38	1.07	-0.18	0.60	-1.50	1.50
						142.0	4.38	1.07	-0.18	0.60	-1.61	1.72
176	3	27.24	-0.02	-2.89e-03	-0.93	0.0	-13.23	10.89	-0.01	0.06	-0.02	12.44
		12.44	-0.03	-5.25e-06	0.0	71.0	-13.23	10.42	-0.01	0.06	-0.02	20.00
						142.0	-13.23	9.96	-0.01	0.06	-0.03	27.24
176	7	-10.72	0.19	-6.23e-05	0.0	0.0	-1.05	2.85	-0.07	-0.06	0.19	-14.69
		-14.69	0.09	2.86e-05	0.0	71.0	-1.05	2.85	-0.07	-0.06	0.14	-12.70
						142.0	-1.05	2.85	-0.07	-0.06	0.09	-10.72
176	8	-11.92	0.15	-6.13e-05	0.0	0.0	-0.43	3.28	-0.04	-0.01	0.15	-16.49
		-16.49	0.10	-4.34e-05	0.0	71.0	-0.43	3.28	-0.04	-0.01	0.13	-14.20
						142.0	-0.43	3.28	-0.04	-0.01	0.10	-11.92
176	10	1.26	-1.38	-1.52e-04	0.0	0.0	1.51	0.88	-0.20	0.65	-1.38	0.34
		0.34	-1.63	5.94e-04	0.0	71.0	1.51	0.88	-0.20	0.65	-1.51	0.80
						142.0	1.51	0.88	-0.20	0.65	-1.63	1.26
177	3	29.89	8.43e-03	-3.11e-03	-0.93	0.0	-17.21	10.91	-0.02	0.03	8.43e-03	15.05
		15.05	-0.01	-1.76e-06	0.0	71.0	-17.21	10.45	-0.02	0.03	-2.29e-03	22.63
						142.0	-17.21	9.99	-0.02	0.03	-0.01	29.89
177	7	-11.03	0.13	-7.23e-05	0.0	0.0	-2.15	2.71	-0.06	-0.06	0.13	-14.80
		-14.80	0.05	3.45e-05	0.0	71.0	-2.15	2.71	-0.06	-0.06	0.09	-12.92
						142.0	-2.15	2.71	-0.06	-0.06	0.05	-11.03
177	8	-11.51	0.08	-7.22e-05	0.0	0.0	-2.08	2.85	-0.02	-4.13e-03	0.08	-15.47
		-15.47	0.05	-3.79e-05	0.0	71.0	-2.08	2.85	-0.02	-4.13e-03	0.06	-13.49
						142.0	-2.08	2.85	-0.02	-4.13e-03	0.05	-11.51
177	10	1.82	-1.32	1.86e-04	0.0	0.0	2.65	1.24	-0.24	0.66	-1.32	0.19
		0.19	-1.64	5.93e-04	0.0	71.0	2.65	1.24	-0.24	0.66	-1.48	1.00
						142.0	2.65	1.24	-0.24	0.66	-1.64	1.82
178	3	24.71	1.86e-03	-2.72e-03	-0.93	0.0	-4.26	10.89	1.48e-03	-1.18e-05	-2.47e-04	9.91
		9.91	-2.47e-04	0.0	0.0	71.0	-4.26	10.42	1.48e-03	-1.18e-05	8.06e-04	17.48
						142.0	-4.26	9.95	1.48e-03	-1.18e-05	1.86e-03	24.71
178	7	-17.79	0.04	-1.92e-04	0.0	0.0	2.82	5.18	-0.03	-0.03	0.04	-25.08
		-25.08	-0.01	3.69e-05	0.0	71.0	2.82	5.18	-0.03	-0.03	0.01	-21.43
						142.0	2.82	5.18	-0.03	-0.03	-0.01	-17.79
178	10	-0.02	-1.40	3.45e-06	0.0	0.0	-0.04	0.02	-0.19	0.68	-1.40	-0.02
		-0.04	-1.65	5.90e-04	0.0	71.0	-0.04	0.02	-0.19	0.68	-1.53	-0.03
						142.0	-0.04	0.02	-0.19	0.68	-1.65	-0.04
179	3	29.78	0.02	-3.10e-03	-0.94	0.0	-17.10	10.86	0.02	-0.03	-9.74e-03	15.02
		15.02	-9.74e-03	2.13e-06	0.0	71.0	-17.10	10.39	0.02	-0.03	3.51e-03	22.57
						142.0	-17.10	9.92	0.02	-0.03	0.02	29.78
179	4	0.11	-6.67e-05	-8.03e-06	0.0	0.0	0.12	-2.09e-03	-3.21e-04	-1.08e-03	-6.67e-05	0.11
		0.10	-5.22e-04	0.0	0.0	71.0	0.12	-2.09e-03	-3.21e-04	-1.08e-03	-2.94e-04	0.10
						142.0	0.12	-2.09e-03	-3.21e-04	-1.08e-03	-5.22e-04	0.10
179	7	-11.50	-0.06	-7.26e-05	0.0	0.0	-2.10	2.85	0.01	4.72e-03	-0.08	-15.47
		-15.47	-0.08	3.87e-05	0.0	71.0	-2.10	2.85	0.01	4.72e-03	-0.07	-13.49
						142.0	-2.10	2.85	0.01	4.72e-03	-0.06	-11.50
179	10	-0.18	-1.33	-1.88e-04	0.0	0.0	-2.67	-1.26	-0.24	0.66	-1.33	-0.18
		-1.84	-1.64	5.93e-04	0.0	71.0	-2.67	-1.26	-0.24	0.66	-1.48	-1.01
						142.0	-2.67	-1.26	-0.24	0.66	-1.64	-1.84
180	3	27.29	0.04	-2.90e-03	-0.93	0.0	-13.32	10.89	0.02	-0.06	0.01	12.49
		12.49	0.01	5.56e-06	0.0	71.0	-13.32	10.42	0.02	-0.06	0.03	20.05
						142.0	-13.32	9.96	0.02	-0.06	0.04	27.29
180	4	0.10	8.38e-04	-7.59e-06	0.0	0.0	0.19	-1.62e-03	-1.13e-03	-1.50e-03	8.38e-04	0.10
		0.10	-7.68e-04	0.0	0.0	71.0	0.19	-1.62e-03	-1.13e-03	-1.50e-03	3.51e-05	0.10
						142.0	0.19	-1.62e-03	-1.13e-03	-1.50e-03	-7.68e-04	0.10
180	7	-11.84	-0.11	-6.04e-05	0.0	0.0	-0.44	3.26	0.04	0.01	-0.16	-16.39
		-16.39	-0.16	4.43e-05	0.0	71.0	-0.44	3.26	0.04	0.01	-0.13	-14.12
						142.0	-0.44	3.26	0.04	0.01	-0.11	-11.84
180	10	-0.35	-1.39	1.53e-04	0.0	0.0	-1.52	0.88	-0.19	0.65	-1.39	-0.35
		-1.27	-1.64	5.94e-04	0.0	71.0	-1.52	0.88	-0.19	0.65	-1.51	-0.81
						142.0	-1.52	0.88	-0.19	0.65	-1.64	-1.27
181	3	23.33	0.06	-2.49e-03	-0.93	0.0	-15.79	10.89	0.05	-0.09	-0.02	8.53
		8.53	-0.02	7.20e-06	0.0	71.0	-15.79	10.42	0.05	-0.09	0.02	16.09
						142.0	-15.79	9.96	0.05	-0.09	0.06	23.33
181	7	-9.99	-0.16	5.18e-05	0.0	0.0	1.28	2.95	0.07	-0.01	-0.26	-13.95
		-13.95	-0.26	5.24e-05	0.0	71.0	1.28	2.95	0.07	-0.01	-0.21	-11.97
						142.0	1.28	2.95	0.07	-0.01	-0.16	-9.99
181	10	-1.28	-1.41	-3.89e-05	0.0	0.0	-4.36	-1.08	0.18	0.60	-1.41	-1.28
		-1.72	-1.61	6.01e-04	0.0	71.0	-4.36	-1.08	0.18	0.60	-1.51	-1.50
						142.0	-4.36	-1.08	0.18	0.60	-1.61	-1.72
182	3	6.13	0.13	-2.54e-04	-0.93	0.0	2.58	-1.77	0.11	-0.16	-0.03	6.13
		2.95	-0.03	1.51e-05	0.0	71.0	2.58	-2.24	0.11	-0.16	0.05	4.71
						142.0	2.58	-2.70	0.11	-0.16	0.13	2.95

182	7	-2.17	2.42	1.50e-04	0.0	0.0	2.03	1.14	-3.67	-0.05	2.42	-3.58
		-3.58	-2.78	6.75e-05	0.0	71.0	2.03	1.14	-3.67	-0.05	-0.18	-2.87
						142.0	2.03	1.14	-3.67	-0.05	-2.78	-2.17
182	9	-2.23	1.40	1.07e-03	0.0	0.0	2.55	-5.70	-3.18	0.51	1.40	-2.23
		-10.26	-3.13	8.76e-04	0.0	71.0	2.55	-5.70	-3.18	0.51	-0.87	-6.24
						142.0	2.55	-5.70	-3.18	0.51	-3.13	-10.26
182	10	-2.70	0.55	1.12e-03	0.0	0.0	-2.41	-6.02	-2.46	0.51	0.55	-2.70
		-11.22	-2.96	6.15e-04	0.0	71.0	-2.41	-6.02	-2.46	0.51	-1.20	-6.96
						142.0	-2.41	-6.02	-2.46	0.51	-2.96	-11.22
183	3	0.77	0.0	2.06e-03	-3.18	0.0	-5.07	1.59	0.0	0.35	0.0	0.0
		0.0	0.0	-3.84e-04	0.0	96.5	-5.07	0.0	0.0	0.35	0.0	0.77
						193.0	-5.07	-1.59	0.0	0.35	0.0	0.0
183	7	0.0	0.0	9.35e-04	0.0	0.0	-1.40	0.0	0.0	0.06	0.0	0.0
		0.0	0.0	1.43e-03	0.0	96.5	-1.40	0.0	0.0	0.06	0.0	0.0
						193.0	-1.40	0.0	0.0	0.06	0.0	0.0
183	8	0.0	0.0	1.10e-03	0.0	0.0	2.67	0.0	0.0	0.06	0.0	0.0
		0.0	0.0	1.29e-03	0.0	96.5	2.67	0.0	0.0	0.06	0.0	0.0
						193.0	2.67	0.0	0.0	0.06	0.0	0.0
183	9	0.0	0.0	-9.46e-04	0.0	0.0	-10.89	0.0	0.0	-0.16	0.0	0.0
		0.0	0.0	2.09e-04	0.0	96.5	-10.89	0.0	0.0	-0.16	0.0	0.0
						193.0	-10.89	0.0	0.0	-0.16	0.0	0.0
184	3	0.77	0.0	4.47e-03	-3.18	0.0	-6.12	1.59	0.0	0.37	0.0	0.0
		0.0	0.0	-4.30e-04	0.0	96.5	-6.12	0.0	0.0	0.37	0.0	0.77
						193.0	-6.12	-1.59	0.0	0.37	0.0	0.0
184	4	0.0	0.0	-4.09e-05	0.0	0.0	0.07	0.0	0.0	-7.60e-04	0.0	0.0
		0.0	0.0	2.15e-06	0.0	96.5	0.07	0.0	0.0	-7.60e-04	0.0	0.0
						193.0	0.07	0.0	0.0	-7.60e-04	0.0	0.0
184	7	0.0	0.0	1.12e-03	0.0	0.0	-1.40	0.0	0.0	-8.95e-03	0.0	0.0
		0.0	0.0	1.50e-03	0.0	96.5	-1.40	0.0	0.0	-8.95e-03	0.0	0.0
						193.0	-1.40	0.0	0.0	-8.95e-03	0.0	0.0
184	9	0.0	0.0	-2.07e-03	0.0	0.0	-7.14	0.0	0.0	-0.17	0.0	0.0
		0.0	0.0	2.20e-04	0.0	96.5	-7.14	0.0	0.0	-0.17	0.0	0.0
						193.0	-7.14	0.0	0.0	-0.17	0.0	0.0
184	10	0.0	0.0	-2.00e-03	0.0	0.0	-6.35	0.0	0.0	-0.16	0.0	0.0
		0.0	0.0	2.97e-04	0.0	96.5	-6.35	0.0	0.0	-0.16	0.0	0.0
						193.0	-6.35	0.0	0.0	-0.16	0.0	0.0
185	3	0.77	0.0	6.68e-03	-3.18	0.0	-8.16	1.59	0.0	0.30	0.0	0.0
		0.0	0.0	-3.51e-04	0.0	96.5	-8.16	0.0	0.0	0.30	0.0	0.77
						193.0	-8.16	-1.59	0.0	0.30	0.0	0.0
185	4	0.0	0.0	-4.56e-05	0.0	0.0	0.07	0.0	0.0	-4.41e-04	0.0	0.0
		0.0	0.0	2.08e-06	0.0	96.5	0.07	0.0	0.0	-4.41e-04	0.0	0.0
						193.0	0.07	0.0	0.0	-4.41e-04	0.0	0.0
185	8	0.0	0.0	1.13e-03	0.0	0.0	-2.32	0.0	0.0	-0.05	0.0	0.0
		0.0	0.0	1.44e-03	0.0	96.5	-2.32	0.0	0.0	-0.05	0.0	0.0
						193.0	-2.32	0.0	0.0	-0.05	0.0	0.0
185	9	0.0	0.0	-3.21e-03	0.0	0.0	-4.97	0.0	0.0	-0.13	0.0	0.0
		0.0	0.0	1.76e-04	0.0	96.5	-4.97	0.0	0.0	-0.13	0.0	0.0
						193.0	-4.97	0.0	0.0	-0.13	0.0	0.0
186	3	0.77	0.0	8.17e-03	-3.18	0.0	-8.81	1.59	0.0	0.16	0.0	0.0
		0.0	0.0	-1.91e-04	0.0	96.5	-8.81	0.0	0.0	0.16	0.0	0.77
						193.0	-8.81	-1.59	0.0	0.16	0.0	0.0
186	4	0.0	0.0	-4.69e-05	0.0	0.0	0.04	0.0	0.0	8.05e-05	0.0	0.0
		0.0	0.0	1.77e-06	0.0	96.5	0.04	0.0	0.0	8.05e-05	0.0	0.0
						193.0	0.04	0.0	0.0	8.05e-05	0.0	0.0
186	8	0.0	0.0	6.30e-04	0.0	0.0	-0.37	0.0	0.0	-0.09	0.0	0.0
		0.0	0.0	1.48e-03	0.0	96.5	-0.37	0.0	0.0	-0.09	0.0	0.0
						193.0	-0.37	0.0	0.0	-0.09	0.0	0.0
186	10	0.0	0.0	-3.96e-03	0.0	0.0	-3.79	0.0	0.0	-0.07	0.0	0.0
		0.0	0.0	3.22e-04	0.0	96.5	-3.79	0.0	0.0	-0.07	0.0	0.0
						193.0	-3.79	0.0	0.0	-0.07	0.0	0.0
187	3	0.77	0.0	8.67e-03	-3.18	0.0	-8.41	1.59	0.0	-6.00e-03	0.0	0.0
		0.0	0.0	6.62e-06	0.0	96.5	-8.41	0.0	0.0	-6.00e-03	0.0	0.77
						193.0	-8.41	-1.59	0.0	-6.00e-03	0.0	0.0
187	7	0.0	0.0	-1.28e-05	0.0	0.0	0.03	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	1.61e-03	0.0	96.5	0.03	0.0	0.0	-0.08	0.0	0.0
						193.0	0.03	0.0	0.0	-0.08	0.0	0.0
187	8	0.0	0.0	-1.54e-05	0.0	0.0	0.02	0.0	0.0	-0.10	0.0	0.0
		0.0	0.0	1.49e-03	0.0	96.5	0.02	0.0	0.0	-0.10	0.0	0.0
						193.0	0.02	0.0	0.0	-0.10	0.0	0.0
187	10	0.0	0.0	-4.24e-03	0.0	0.0	-6.09	0.0	0.0	-4.16e-03	0.0	0.0
		0.0	0.0	-3.20e-05	0.0	96.5	-6.09	0.0	0.0	-4.16e-03	0.0	0.0
						193.0	-6.09	0.0	0.0	-4.16e-03	0.0	0.0
188	3	0.77	0.0	8.10e-03	-3.18	0.0	-8.81	1.59	0.0	-0.17	0.0	0.0
		0.0	0.0	2.03e-04	0.0	96.5	-8.81	0.0	0.0	-0.17	0.0	0.77
						193.0	-8.81	-1.59	0.0	-0.17	0.0	0.0
188	7	0.0	0.0	-5.88e-04	0.0	0.0	0.68	0.0	0.0	-0.07	0.0	0.0
		0.0	0.0	1.59e-03	0.0	96.5	0.68	0.0	0.0	-0.07	0.0	0.0

						193.0	0.68	0.0	0.0	-0.07	0.0	0.0
188	8	0.0	0.0	-6.67e-04	0.0	0.0	0.42	0.0	0.0	-0.08	0.0	0.0
		0.0	0.0	1.48e-03	0.0	96.5	0.42	0.0	0.0	-0.08	0.0	0.0
						193.0	0.42	0.0	0.0	-0.08	0.0	0.0
188	10	0.0	0.0	-3.95e-03	0.0	0.0	-4.44	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-1.07e-04	0.0	96.5	-4.44	0.0	0.0	0.07	0.0	0.0
						193.0	-4.44	0.0	0.0	0.07	0.0	0.0
189	3	0.77	0.0	6.55e-03	-3.18	0.0	-8.10	1.59	0.0	-0.31	0.0	0.0
		0.0	0.0	3.59e-04	0.0	96.5	-8.10	0.0	0.0	-0.31	0.0	0.77
						193.0	-8.10	-1.59	0.0	-0.31	0.0	0.0
189	8	0.0	0.0	-1.15e-03	0.0	0.0	2.42	0.0	0.0	-0.05	0.0	0.0
		0.0	0.0	1.44e-03	0.0	96.5	2.42	0.0	0.0	-0.05	0.0	0.0
						193.0	2.42	0.0	0.0	-0.05	0.0	0.0
189	9	0.0	0.0	-3.08e-03	0.0	0.0	-4.91	0.0	0.0	0.14	0.0	0.0
		0.0	0.0	-2.99e-04	0.0	96.5	-4.91	0.0	0.0	0.14	0.0	0.0
						193.0	-4.91	0.0	0.0	0.14	0.0	0.0
190	3	0.77	0.0	4.31e-03	-3.18	0.0	-5.99	1.59	0.0	-0.38	0.0	0.0
		0.0	0.0	4.30e-04	0.0	96.5	-5.99	0.0	0.0	-0.38	0.0	0.77
						193.0	-5.99	-1.59	0.0	-0.38	0.0	0.0
190	7	0.0	0.0	-1.12e-03	0.0	0.0	1.27	0.0	0.0	0.01	0.0	0.0
		0.0	0.0	1.49e-03	0.0	96.5	1.27	0.0	0.0	0.01	0.0	0.0
						193.0	1.27	0.0	0.0	0.01	0.0	0.0
190	10	0.0	0.0	-1.98e-03	0.0	0.0	-7.44	0.0	0.0	0.17	0.0	0.0
		0.0	0.0	-2.20e-04	0.0	96.5	-7.44	0.0	0.0	0.17	0.0	0.0
						193.0	-7.44	0.0	0.0	0.17	0.0	0.0
191	3	0.77	0.0	1.91e-03	-3.18	0.0	-5.00	1.59	0.0	-0.34	0.0	0.0
		0.0	0.0	3.74e-04	0.0	96.5	-5.00	0.0	0.0	-0.34	0.0	0.77
						193.0	-5.00	-1.59	0.0	-0.34	0.0	0.0
191	7	0.0	0.0	-9.13e-04	0.0	0.0	1.39	0.0	0.0	0.06	0.0	0.0
		0.0	0.0	1.43e-03	0.0	96.5	1.39	0.0	0.0	0.06	0.0	0.0
						193.0	1.39	0.0	0.0	0.06	0.0	0.0
191	8	0.0	0.0	-1.08e-03	0.0	0.0	-2.86	0.0	0.0	0.06	0.0	0.0
		0.0	0.0	1.29e-03	0.0	96.5	-2.86	0.0	0.0	0.06	0.0	0.0
						193.0	-2.86	0.0	0.0	0.06	0.0	0.0
191	10	0.0	0.0	-8.89e-04	0.0	0.0	-10.90	0.0	0.0	0.15	0.0	0.0
		0.0	0.0	-2.03e-04	0.0	96.5	-10.90	0.0	0.0	0.15	0.0	0.0
						193.0	-10.90	0.0	0.0	0.15	0.0	0.0
192	3	0.84	0.30	8.37e-04	-3.17	0.0	-0.47	-0.38	0.22	0.09	-0.13	0.84
		-2.95	-0.13	-1.34e-04	0.0	96.4	-0.47	-1.96	0.22	0.09	0.08	-0.29
						192.9	-0.47	-3.55	0.22	0.09	0.30	-2.95
192	8	1.36	5.25	3.75e-04	0.0	0.0	4.36	-0.96	-5.58	0.03	5.25	1.36
		-0.51	-5.50	1.34e-03	0.0	96.4	4.36	-0.96	-5.58	0.03	-0.12	0.42
						192.9	4.36	-0.96	-5.58	0.03	-5.50	-0.51
192	9	2.33	4.81	1.29e-03	0.0	0.0	-10.70	0.37	-4.89	0.15	4.81	1.69
		1.69	-4.63	-2.12e-04	0.0	96.4	-10.70	0.37	-4.89	0.15	0.09	2.01
						192.9	-10.70	0.37	-4.89	0.15	-4.63	2.33
193	3	1.80	0.07	1.29e-03	-3.17	0.0	2.88	-1.88	0.03	0.07	0.01	1.80
		-4.88	0.01	-8.97e-05	0.0	96.4	2.88	-3.47	0.03	0.07	0.04	-0.77
						192.9	2.88	-5.05	0.03	0.07	0.07	-4.88
193	8	1.14	5.35	4.82e-04	0.0	0.0	3.26	-1.56	-5.75	0.01	5.35	1.14
		-1.88	-5.73	1.38e-03	0.0	96.4	3.26	-1.56	-5.75	0.01	-0.19	-0.37
						192.9	3.26	-1.56	-5.75	0.01	-5.73	-1.88
193	9	2.14	3.79	2.24e-03	0.0	0.0	-7.73	1.01	-3.88	0.15	3.79	0.50
		0.50	-3.68	-2.10e-04	0.0	96.4	-7.73	1.01	-3.88	0.15	0.05	1.32
						192.9	-7.73	1.01	-3.88	0.15	-3.68	2.14
194	3	2.75	0.03	1.61e-03	-3.17	0.0	4.92	-3.81	-0.02	0.05	0.03	2.75
		-7.65	-5.65e-03	-5.47e-05	0.0	96.4	4.92	-5.39	-0.02	0.05	0.01	-1.69
						192.9	4.92	-6.98	-0.02	0.05	-5.65e-03	-7.65
194	8	0.87	4.94	3.05e-04	0.0	0.0	0.81	-1.51	-5.33	-0.09	4.94	0.87
		-2.05	-5.34	1.40e-03	0.0	96.4	0.81	-1.51	-5.33	-0.09	-0.20	-0.59
						192.9	0.81	-1.51	-5.33	-0.09	-5.34	-2.05
194	9	4.01	2.32	3.15e-03	0.0	0.0	-8.45	2.31	-2.30	0.13	2.32	-0.62
		-0.62	-2.12	-1.46e-04	0.0	96.4	-8.45	2.31	-2.30	0.13	0.10	1.69
						192.9	-8.45	2.31	-2.30	0.13	-2.12	4.01
195	3	2.72	0.17	1.75e-03	-3.17	0.0	4.42	-3.40	0.13	0.01	-0.08	2.72
		-6.89	-0.08	-2.82e-05	0.0	96.4	4.42	-4.99	0.13	0.01	0.04	-1.32
						192.8	4.42	-6.57	0.13	0.01	0.17	-6.89
195	8	1.03	5.07	-1.54e-04	0.0	0.0	-0.85	0.83	-5.44	-0.03	5.07	-0.58
		-0.58	-5.42	1.41e-03	0.0	96.4	-0.85	0.83	-5.44	-0.03	-0.17	0.22
						192.8	-0.85	0.83	-5.44	-0.03	-5.42	1.03
195	9	2.28	0.89	3.79e-03	0.0	0.0	-5.61	1.47	-0.94	0.07	0.89	-0.81
		-0.81	-0.93	-4.67e-05	0.0	96.4	-5.61	1.47	-0.94	0.07	-0.02	0.74
						192.8	-5.61	1.47	-0.94	0.07	-0.93	2.28
196	3	2.49	-5.13e-04	1.77e-03	-3.17	0.0	4.24	-2.76	-8.10e-04	-3.64e-04	-5.13e-04	2.49
		-5.89	-2.07e-03	0.0	0.0	96.4	4.24	-4.35	-8.10e-04	-3.64e-04	-1.29e-03	-0.93
						192.8	4.24	-5.93	-8.10e-04	-3.64e-04	-2.07e-03	-5.89
196	8	0.02	5.30	0.0	0.0	0.0	0.04	-0.03	-5.66	0.03	5.30	0.02

		-0.04	-5.61	1.41e-03	0.0	96.4	0.04	-0.03	-5.66	0.03	-0.15	-9.07e-03
						192.8	0.04	-0.03	-5.66	0.03	-5.61	-0.04
196	10	2.20	0.72	3.98e-03	0.0	0.0	-6.37	1.64	-0.76	3.32e-03	0.72	1.03
		1.03	-0.75	-4.65e-05	0.0	96.4	-6.37	1.64	-0.76	3.32e-03	-0.02	1.61
						192.8	-6.37	1.64	-0.76	3.32e-03	-0.75	2.20
197	3	2.74	0.08	1.74e-03	-3.17	0.0	4.48	-3.46	-0.12	-0.01	0.08	2.74
		-7.00	-0.16	2.92e-05	0.0	96.4	4.48	-5.05	-0.12	-0.01	-0.04	-1.37
						192.8	4.48	-6.64	-0.12	-0.01	-0.16	-7.00
197	8	0.56	5.05	1.54e-04	0.0	0.0	0.83	-0.80	-5.42	-0.03	5.05	0.56
		-0.98	-5.40	1.41e-03	0.0	96.4	0.83	-0.80	-5.42	-0.03	-0.17	-0.21
						192.8	0.83	-0.80	-5.42	-0.03	-5.40	-0.98
197	10	2.38	1.04	3.76e-03	0.0	0.0	-5.63	1.51	1.07	-0.07	-1.01	-0.78
		-0.78	-1.01	5.81e-05	0.0	96.4	-5.63	1.51	1.07	-0.07	0.01	0.80
						192.8	-5.63	1.51	1.07	-0.07	1.04	2.38
198	3	2.70	0.02	1.60e-03	-3.17	0.0	4.75	-3.69	0.03	-0.05	-0.05	2.70
		-7.47	-0.05	5.62e-05	0.0	96.4	4.75	-5.28	0.03	-0.05	-0.01	-1.62
						192.8	4.75	-6.86	0.03	-0.05	0.02	-7.47
198	8	2.15	4.97	-3.32e-04	0.0	0.0	-0.80	1.60	-5.36	-0.08	4.97	-0.93
		-0.93	-5.37	1.40e-03	0.0	96.4	-0.80	1.60	-5.36	-0.08	-0.20	0.61
						192.8	-0.80	1.60	-5.36	-0.08	-5.37	2.15
198	10	3.87	2.23	3.09e-03	0.0	0.0	-8.55	2.22	2.42	-0.13	-2.44	-0.60
		-0.60	-2.44	1.56e-04	0.0	96.4	-8.55	2.22	2.42	-0.13	-0.10	1.64
						192.8	-8.55	2.22	2.42	-0.13	2.23	3.87
199	3	1.75	-7.39e-03	1.26e-03	-3.17	0.0	2.77	-1.79	-0.04	-0.08	-7.39e-03	1.75
		-4.76	-0.08	9.19e-05	0.0	96.4	2.77	-3.38	-0.04	-0.08	-0.04	-0.74
						192.8	2.77	-4.96	-0.04	-0.08	-0.08	-4.76
199	8	1.79	5.37	-4.80e-04	0.0	0.0	-3.48	1.51	-5.77	0.02	5.37	-1.13
		-1.13	-5.75	1.37e-03	0.0	96.4	-3.48	1.51	-5.77	0.02	-0.19	0.33
						192.8	-3.48	1.51	-5.77	0.02	-5.75	1.79
199	10	2.13	3.79	2.17e-03	0.0	0.0	-7.72	0.97	3.98	-0.15	-3.88	0.54
		0.54	-3.88	2.16e-04	0.0	96.4	-7.72	0.97	3.98	-0.15	-0.05	1.33
						192.8	-7.72	0.97	3.98	-0.15	3.79	2.13
200	3	0.78	0.13	8.01e-04	-3.17	0.0	-0.67	-0.29	-0.22	-0.09	0.13	0.78
		-2.84	-0.30	1.36e-04	0.0	96.4	-0.67	-1.87	-0.22	-0.09	-0.08	-0.27
						192.8	-0.67	-3.46	-0.22	-0.09	-0.30	-2.84
200	4	7.04e-03	0.01	-3.35e-06	0.0	0.0	2.64e-03	5.92e-03	-0.02	1.70e-04	0.01	-4.38e-03
		-4.38e-03	-0.02	4.79e-06	0.0	96.4	2.64e-03	5.92e-03	-0.02	1.70e-04	-8.77e-04	1.33e-03
						192.8	2.64e-03	5.92e-03	-0.02	1.70e-04	-0.02	7.04e-03
200	8	0.46	5.16	-3.71e-04	0.0	0.0	-4.16	0.95	-5.48	0.03	5.16	-1.40
		-1.40	-5.41	1.33e-03	0.0	96.4	-4.16	0.95	-5.48	0.03	-0.12	-0.47
						192.8	-4.16	0.95	-5.48	0.03	-5.41	0.46
200	10	2.38	4.57	1.23e-03	0.0	0.0	-10.96	0.36	4.84	-0.14	-4.76	1.76
		1.76	-4.76	2.13e-04	0.0	96.4	-10.96	0.36	4.84	-0.14	-0.09	2.07
						192.8	-10.96	0.36	4.84	-0.14	4.57	2.38
201	3	7.01	0.01	-4.45e-04	-0.93	0.0	-0.26	-1.04	0.07	0.21	-0.09	7.01
		4.86	-0.09	-2.83e-05	0.0	71.0	-0.26	-1.51	0.07	0.21	-0.04	6.10
						142.0	-0.26	-1.98	0.07	0.21	0.01	4.86
201	8	-4.04	2.94	2.46e-04	0.0	0.0	3.99	2.87	4.12	-0.11	-2.90	-7.83
		-7.83	-2.90	-5.94e-05	0.0	71.0	3.99	2.87	4.12	-0.11	0.02	-5.93
						142.0	3.99	2.87	4.12	-0.11	2.94	-4.04
201	9	3.45	2.51	-1.13e-03	0.0	0.0	-2.02	7.11	-3.97	0.61	2.51	-6.68
		-6.68	-3.14	1.02e-03	0.0	71.0	-2.02	7.11	-3.97	0.61	-0.32	-1.61
						142.0	-2.02	7.11	-3.97	0.61	-3.14	3.45
201	10	3.92	1.88	-1.18e-03	0.0	0.0	1.94	7.68	-3.67	0.63	1.88	-7.02
		-7.02	-3.34	8.62e-04	0.0	71.0	1.94	7.68	-3.67	0.63	-0.73	-1.55
						142.0	1.94	7.68	-3.67	0.63	-3.34	3.92
202	3	10.06	0.02	-2.85e-03	-0.93	0.0	-12.12	15.00	0.19	0.15	-0.25	-10.59
		-10.59	-0.25	-1.83e-05	0.0	71.0	-12.12	14.53	0.19	0.15	-0.12	-0.10
						142.0	-12.12	14.07	0.19	0.15	0.02	10.06
202	8	-13.90	0.25	4.63e-04	0.0	0.0	1.18	2.77	0.43	-0.16	-0.37	-17.24
		-17.24	-0.37	-4.16e-05	0.0	71.0	1.18	2.77	0.43	-0.16	-0.06	-15.57
						142.0	1.18	2.77	0.43	-0.16	0.25	-13.90
202	9	2.44	0.60	-3.20e-05	0.0	0.0	2.63	-1.29	-1.05	0.74	0.60	2.44
		1.28	-0.92	1.00e-03	0.0	71.0	2.63	-1.29	-1.05	0.74	-0.16	1.86
						142.0	2.63	-1.29	-1.05	0.74	-0.92	1.28
202	10	1.99	0.24	-8.32e-05	0.0	0.0	2.64	1.32	-1.12	0.76	0.24	1.99
		0.71	-1.39	8.44e-04	0.0	71.0	2.64	1.32	-1.12	0.76	-0.57	1.35
						142.0	2.64	1.32	-1.12	0.76	-1.39	0.71
203	3	13.02	0.23	-3.36e-03	-0.93	0.0	-11.52	15.00	-0.17	0.07	0.23	-7.62
		-7.62	-0.02	-8.35e-06	0.0	71.0	-11.52	14.53	-0.17	0.07	0.10	2.86
						142.0	-11.52	14.07	-0.17	0.07	-0.02	13.02
203	8	-16.59	0.15	4.96e-04	0.0	0.0	-0.65	2.77	0.10	-0.14	0.03	-20.25
		-20.25	0.03	-3.41e-05	0.0	71.0	-0.65	2.77	0.10	-0.14	0.09	-18.42
						142.0	-0.65	2.77	0.10	-0.14	0.15	-16.59
203	9	1.12	0.71	-1.61e-04	0.0	0.0	0.98	-1.02	-1.14	0.75	0.71	1.12
		0.65	-0.92	1.00e-03	0.0	71.0	0.98	-1.02	-1.14	0.75	-0.11	0.88
						142.0	0.98	-1.02	-1.14	0.75	-0.92	0.65

203	10	1.31	0.33	-1.51e-04	0.0	0.0	-1.06	1.04	-1.19	0.78	0.33	1.31
		0.36	-1.38	8.44e-04	0.0	71.0	-1.06	1.04	-1.19	0.78	-0.53	0.84
						142.0	-1.06	1.04	-1.19	0.78	-1.38	0.36
204	3	15.89	8.43e-03	-3.67e-03	-0.93	0.0	-14.96	15.04	0.15	0.06	-0.21	-4.81
		-4.81	-0.21	-7.27e-06	0.0	71.0	-14.96	14.57	0.15	0.06	-0.10	5.71
						142.0	-14.96	14.11	0.15	0.06	8.43e-03	15.89
204	8	-15.44	0.08	4.50e-04	0.0	0.0	-2.12	2.37	0.25	-0.03	-0.28	-18.47
		-18.47	-0.28	-3.54e-05	0.0	71.0	-2.12	2.37	0.25	-0.03	-0.10	-16.96
						142.0	-2.12	2.37	0.25	-0.03	0.08	-15.44
204	9	1.94	0.42	1.89e-04	0.0	0.0	1.78	-1.55	-0.88	0.75	0.42	1.94
		0.38	-0.87	1.00e-03	0.0	71.0	1.78	-1.55	-0.88	0.75	-0.22	1.16
						142.0	1.78	-1.55	-0.88	0.75	-0.87	0.38
204	10	1.80	-0.24	1.80e-04	0.0	0.0	1.82	1.55	-0.83	0.79	-0.24	1.80
		0.44	-1.32	8.44e-04	0.0	71.0	1.82	1.55	-0.83	0.79	-0.78	1.12
						142.0	1.82	1.55	-0.83	0.79	-1.32	0.44
205	3	9.68	2.44e-03	-3.09e-03	-0.93	0.0	-4.49	15.00	-1.89e-03	-7.73e-04	2.44e-03	-10.96
		-10.96	-2.47e-04	0.0	0.0	71.0	-4.49	14.53	-1.89e-03	-7.73e-04	1.10e-03	-0.48
						142.0	-4.49	14.07	-1.89e-03	-7.73e-04	-2.47e-04	9.68
205	7	-25.24	0.04	6.59e-04	0.0	0.0	2.47	4.17	0.07	-0.03	-0.07	-30.93
		-30.93	-0.07	3.29e-05	0.0	71.0	2.47	4.17	0.07	-0.03	-0.01	-28.09
						142.0	2.47	4.17	0.07	-0.03	0.04	-25.24
205	9	-0.02	1.39	3.47e-06	0.0	0.0	-0.03	0.03	-1.63	0.67	1.39	-0.03
		-0.03	-0.93	1.02e-03	0.0	71.0	-0.03	0.03	-1.63	0.67	0.23	-0.03
						142.0	-0.03	0.03	-1.63	0.67	-0.93	-0.02
205	10	-0.02	1.16	3.52e-06	0.0	0.0	-0.03	0.03	-1.80	0.68	1.16	-0.03
		-0.03	-1.40	8.59e-04	0.0	71.0	-0.03	0.03	-1.80	0.68	-0.12	-0.03
						142.0	-0.03	0.03	-1.80	0.68	-1.40	-0.02
206	3	15.85	0.22	-3.66e-03	-0.94	0.0	-14.90	14.96	-0.16	-0.06	0.22	-4.74
		-4.74	-9.74e-03	8.02e-06	0.0	71.0	-14.90	14.49	-0.16	-0.06	0.10	5.72
						142.0	-14.90	14.02	-0.16	-0.06	-9.74e-03	15.85
206	4	0.11	-6.67e-05	-1.15e-05	0.0	0.0	0.11	-2.09e-03	2.25e-03	-5.81e-04	-3.26e-03	0.11
		0.10	-3.26e-03	0.0	0.0	71.0	0.11	-2.09e-03	2.25e-03	-5.81e-04	-1.66e-03	0.10
						142.0	0.11	-2.09e-03	2.25e-03	-5.81e-04	-6.67e-05	0.10
206	7	-15.44	0.30	4.49e-04	0.0	0.0	-2.15	2.37	-0.27	0.03	0.30	-18.48
		-18.48	-0.08	3.62e-05	0.0	71.0	-2.15	2.37	-0.27	0.03	0.11	-16.96
						142.0	-2.15	2.37	-0.27	0.03	-0.08	-15.44
206	9	-0.38	0.43	-1.92e-04	0.0	0.0	-1.77	1.57	-0.89	0.75	0.43	-1.95
		-1.95	-0.87	1.00e-03	0.0	71.0	-1.77	1.57	-0.89	0.75	-0.22	-1.17
						142.0	-1.77	1.57	-0.89	0.75	-0.87	-0.38
206	10	-0.44	-0.23	-1.82e-04	0.0	0.0	-1.82	-1.56	-0.84	0.78	-0.23	-1.81
		-1.81	-1.33	8.45e-04	0.0	71.0	-1.82	-1.56	-0.84	0.78	-0.78	-1.13
						142.0	-1.82	-1.56	-0.84	0.78	-1.33	-0.44
207	3	13.08	0.01	-3.37e-03	-0.93	0.0	-11.58	15.00	0.17	-0.07	-0.22	-7.56
		-7.56	-0.22	9.13e-06	0.0	71.0	-11.58	14.53	0.17	-0.07	-0.10	2.93
						142.0	-11.58	14.07	0.17	-0.07	0.01	13.08
207	7	-16.48	0.03	4.93e-04	0.0	0.0	-0.67	2.75	-0.12	0.14	0.03	-20.12
		-20.12	-0.16	3.50e-05	0.0	71.0	-0.67	2.75	-0.12	0.14	-0.06	-18.30
						142.0	-0.67	2.75	-0.12	0.14	-0.16	-16.48
207	9	-0.65	0.72	1.62e-04	0.0	0.0	1.00	1.03	-1.15	0.75	0.72	-1.13
		-1.13	-0.93	1.00e-03	0.0	71.0	1.00	1.03	-1.15	0.75	-0.10	-0.89
						142.0	1.00	1.03	-1.15	0.75	-0.93	-0.65
207	10	-0.37	0.33	1.52e-04	0.0	0.0	1.08	1.05	-1.20	0.78	0.33	-1.32
		-1.32	-1.39	8.45e-04	0.0	71.0	1.08	1.05	-1.20	0.78	-0.53	-0.84
						142.0	1.08	1.05	-1.20	0.78	-1.39	-0.37
208	3	10.01	0.25	-2.84e-03	-0.93	0.0	-12.08	15.00	-0.19	-0.15	0.25	-10.63
		-10.63	-0.02	1.92e-05	0.0	71.0	-12.08	14.53	-0.19	-0.15	0.12	-0.15
						142.0	-12.08	14.07	-0.19	-0.15	-0.02	10.01
208	7	-13.99	0.40	4.66e-04	0.0	0.0	1.19	2.78	-0.45	0.16	0.40	-17.36
		-17.36	-0.26	4.29e-05	0.0	71.0	1.19	2.78	-0.45	0.16	0.07	-15.67
						142.0	1.19	2.78	-0.45	0.16	-0.26	-13.99
208	9	-1.28	0.64	2.99e-05	0.0	0.0	-2.60	1.30	-1.09	0.74	0.64	-2.43
		-2.43	-0.93	1.00e-03	0.0	71.0	-2.60	1.30	-1.09	0.74	-0.15	-1.86
						142.0	-2.60	1.30	-1.09	0.74	-0.93	-1.28
208	10	-0.71	0.28	8.13e-05	0.0	0.0	-2.61	-1.33	-1.17	0.76	0.28	-1.98
		-1.98	-1.41	8.46e-04	0.0	71.0	-2.61	-1.33	-1.17	0.76	-0.56	-1.35
						142.0	-2.61	-1.33	-1.17	0.76	-1.41	-0.71
209	7	-4.07	2.94	2.45e-04	0.0	0.0	4.01	2.88	-4.15	0.11	2.94	-7.87
		-7.87	-2.96	6.13e-05	0.0	71.0	4.01	2.88	-4.15	0.11	-9.76e-03	-5.97
						142.0	4.01	2.88	-4.15	0.11	-2.96	-4.07
209	10	7.04	1.94	1.18e-03	0.0	0.0	-1.89	-7.69	-3.74	0.63	1.94	7.04
		-3.91	-3.38	8.66e-04	0.0	71.0	-1.89	-7.69	-3.74	0.63	-0.72	1.57
						142.0	-1.89	-7.69	-3.74	0.63	-3.38	-3.91
210	3	0.06	0.04	-4.03e-04	-0.89	0.0	0.31	0.0	0.03	5.86e-03	0.0	0.06
		-0.60	0.0	1.93e-05	0.0	75.0	0.31	-0.44	0.03	5.86e-03	0.02	-0.10
						150.0	0.31	-0.89	0.03	5.86e-03	0.04	-0.60
210	8	-0.10	0.31	2.39e-04	0.0	0.0	-0.51	0.09	0.21	0.04	0.0	-0.10
		-0.20	0.0	-1.74e-04	0.0	75.0	-0.51	0.09	0.21	0.04	0.16	-0.15

						150.0	-0.51	0.09	0.21	0.04	0.31	-0.20
210	9	-0.10	0.39	1.08e-03	0.0	0.0	-0.51	-0.18	0.26	0.05	0.0	-0.10
		-0.33	0.0	8.93e-04	0.0	75.0	-0.51	-0.18	0.26	0.05	0.20	-0.22
						150.0	-0.51	-0.18	0.26	0.05	0.39	-0.33
211	3	0.77	0.0	-4.46e-03	-3.18	0.0	-6.07	1.59	0.0	-0.37	0.0	0.0
		0.0	0.0	4.29e-04	0.0	96.5	-6.07	0.0	0.0	-0.37	0.0	0.77
						193.0	-6.07	-1.59	0.0	-0.37	0.0	0.0
211	7	0.0	0.0	-1.30e-03	0.0	0.0	-0.98	0.0	0.0	8.90e-03	0.0	0.0
		0.0	0.0	-1.37e-03	0.0	96.5	-0.98	0.0	0.0	8.90e-03	0.0	0.0
						193.0	-0.98	0.0	0.0	8.90e-03	0.0	0.0
211	9	0.0	0.0	-2.07e-03	0.0	0.0	7.47	0.0	0.0	-0.17	0.0	0.0
		0.0	0.0	2.20e-04	0.0	96.5	7.47	0.0	0.0	-0.17	0.0	0.0
						193.0	7.47	0.0	0.0	-0.17	0.0	0.0
212	3	0.09	0.0	-5.43e-04	-1.77	0.0	0.44	0.0	-0.02	-3.75e-03	0.0	0.09
		-1.24	-0.03	1.37e-05	0.0	75.0	0.44	-0.89	-0.02	-3.75e-03	-0.01	-0.24
						150.0	0.44	-1.77	-0.02	-3.75e-03	-0.03	-1.24
212	4	7.52e-05	9.88e-04	1.07e-05	0.0	0.0	3.76e-04	0.0	6.59e-04	1.32e-04	0.0	7.52e-05
		7.52e-05	0.0	0.0	0.0	75.0	3.76e-04	0.0	6.59e-04	1.32e-04	4.94e-04	7.52e-05
						150.0	3.76e-04	0.0	6.59e-04	1.32e-04	9.88e-04	7.52e-05
212	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
212	10	0.45	0.0	1.83e-03	0.0	0.0	0.90	-0.40	-0.22	-0.04	0.0	0.18
		0.18	-0.33	9.88e-04	0.0	75.0	0.90	-0.40	-0.22	-0.04	-0.17	0.32
						150.0	0.90	-0.40	-0.22	-0.04	-0.33	0.45
213	3	0.77	0.0	-2.06e-03	-3.18	0.0	-4.93	1.59	0.0	-0.35	0.0	0.0
		0.0	0.0	3.82e-04	0.0	96.5	-4.93	0.0	0.0	-0.35	0.0	0.77
						193.0	-4.93	-1.59	0.0	-0.35	0.0	0.0
213	7	0.0	0.0	-1.10e-03	0.0	0.0	2.55	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	96.5	2.55	0.0	0.0	-0.06	0.0	0.0
						193.0	2.55	0.0	0.0	-0.06	0.0	0.0
213	8	0.0	0.0	-9.37e-04	0.0	0.0	-1.44	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.43e-03	0.0	96.5	-1.44	0.0	0.0	-0.06	0.0	0.0
						193.0	-1.44	0.0	0.0	-0.06	0.0	0.0
213	9	0.0	0.0	-9.41e-04	0.0	0.0	11.01	0.0	0.0	-0.16	0.0	0.0
		0.0	0.0	2.08e-04	0.0	96.5	11.01	0.0	0.0	-0.16	0.0	0.0
						193.0	11.01	0.0	0.0	-0.16	0.0	0.0
214	3	0.09	7.07e-03	-5.59e-04	-1.77	0.0	0.45	0.0	4.71e-03	9.43e-04	0.0	0.09
		-1.24	0.0	-1.45e-05	0.0	75.0	0.45	-0.89	4.71e-03	9.43e-04	3.54e-03	-0.24
						150.0	0.45	-1.77	4.71e-03	9.43e-04	7.07e-03	-1.24
214	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
214	10	0.53	0.0	2.66e-03	0.0	0.0	0.93	-0.47	-0.30	-0.06	0.0	0.19
		0.19	-0.45	6.79e-04	0.0	75.0	0.93	-0.47	-0.30	-0.06	-0.22	0.36
						150.0	0.93	-0.47	-0.30	-0.06	-0.45	0.53
215	3	0.77	0.0	-8.15e-03	-3.18	0.0	-8.82	1.59	0.0	-0.16	0.0	0.0
		0.0	0.0	1.89e-04	0.0	96.5	-8.82	0.0	0.0	-0.16	0.0	0.77
						193.0	-8.82	-1.59	0.0	-0.16	0.0	0.0
215	7	0.0	0.0	-6.29e-04	0.0	0.0	-0.36	0.0	0.0	0.09	0.0	0.0
		0.0	0.0	-1.48e-03	0.0	96.5	-0.36	0.0	0.0	0.09	0.0	0.0
						193.0	-0.36	0.0	0.0	0.09	0.0	0.0
215	9	0.0	0.0	-3.99e-03	0.0	0.0	4.57	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	1.02e-04	0.0	96.5	4.57	0.0	0.0	-0.06	0.0	0.0
						193.0	4.57	0.0	0.0	-0.06	0.0	0.0
216	3	0.09	0.04	-7.18e-04	-1.77	0.0	0.47	0.0	0.03	5.95e-03	0.0	0.09
		-1.24	0.0	1.51e-05	0.0	75.0	0.47	-0.89	0.03	5.95e-03	0.02	-0.24
						150.0	0.47	-1.77	0.03	5.95e-03	0.04	-1.24
216	4	-7.97e-05	0.0	3.13e-06	0.0	0.0	-3.99e-04	0.0	-6.95e-04	-1.39e-04	0.0	-7.97e-05
		-7.97e-05	-1.04e-03	0.0	0.0	75.0	-3.99e-04	0.0	-6.95e-04	-1.39e-04	-5.21e-04	-7.97e-05
						150.0	-3.99e-04	0.0	-6.95e-04	-1.39e-04	-1.04e-03	-7.97e-05
216	7	0.08	0.0	-2.65e-06	0.0	0.0	0.31	0.04	-0.24	-0.05	0.0	0.06
		0.06	-0.36	1.29e-04	0.0	75.0	0.31	0.04	-0.24	-0.05	-0.18	0.07
						150.0	0.31	0.04	-0.24	-0.05	-0.36	0.08
216	10	0.60	0.0	2.97e-03	0.0	0.0	1.00	-0.52	-0.20	-0.04	0.0	0.20
		0.20	-0.30	4.36e-04	0.0	75.0	1.00	-0.52	-0.20	-0.04	-0.15	0.40
						150.0	1.00	-0.52	-0.20	-0.04	-0.30	0.60
217	3	0.77	0.0	-8.64e-03	-3.18	0.0	-8.37	1.59	0.0	6.19e-03	0.0	0.0
		0.0	0.0	-7.63e-06	0.0	96.5	-8.37	0.0	0.0	6.19e-03	0.0	0.77
						193.0	-8.37	-1.59	0.0	6.19e-03	0.0	0.0
217	8	0.0	0.0	9.50e-06	0.0	0.0	0.03	0.0	0.0	0.08	0.0	0.0
		0.0	0.0	-1.61e-03	0.0	96.5	0.03	0.0	0.0	0.08	0.0	0.0
						193.0	0.03	0.0	0.0	0.08	0.0	0.0
217	10	0.0	0.0	-4.24e-03	0.0	0.0	6.27	0.0	0.0	-4.15e-03	0.0	0.0
		0.0	0.0	-3.27e-05	0.0	96.5	6.27	0.0	0.0	-4.15e-03	0.0	0.0
						193.0	6.27	0.0	0.0	-4.15e-03	0.0	0.0
218	3	0.09	0.0	-8.37e-04	-1.77	0.0	0.44	0.0	-0.02	-3.44e-03	0.0	0.09

		-1.24	-0.03	1.06e-05	0.0	75.0	0.44	-0.89	-0.02	-3.44e-03	-0.01	-0.24
						150.0	0.44	-1.77	-0.02	-3.44e-03	-0.03	-1.24
218	4	5.12e-05	6.75e-04	2.91e-06	0.0	0.0	2.56e-04	0.0	4.50e-04	9.00e-05	0.0	5.12e-05
		5.12e-05	0.0	-1.10e-06	0.0	75.0	2.56e-04	0.0	4.50e-04	9.00e-05	3.38e-04	5.12e-05
						150.0	2.56e-04	0.0	4.50e-04	9.00e-05	6.75e-04	5.12e-05
218	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
218	9	0.63	0.0	2.93e-03	0.0	0.0	0.93	-0.53	-0.32	-0.06	0.0	0.19
		0.19	-0.48	3.79e-04	0.0	75.0	0.93	-0.53	-0.32	-0.06	-0.24	0.41
						150.0	0.93	-0.53	-0.32	-0.06	-0.48	0.63
218	10	0.64	0.0	2.94e-03	0.0	0.0	0.89	-0.54	-0.30	-0.06	0.0	0.18
		0.18	-0.45	-3.67e-05	0.0	75.0	0.89	-0.54	-0.30	-0.06	-0.22	0.41
						150.0	0.89	-0.54	-0.30	-0.06	-0.45	0.64
219	3	0.77	0.0	-6.67e-03	-3.18	0.0	-8.20	1.59	0.0	-0.30	0.0	0.0
		0.0	0.0	3.50e-04	0.0	96.5	-8.20	0.0	0.0	-0.30	0.0	0.77
						193.0	-8.20	-1.59	0.0	-0.30	0.0	0.0
219	7	0.0	0.0	-1.13e-03	0.0	0.0	-2.38	0.0	0.0	0.05	0.0	0.0
		0.0	0.0	-1.44e-03	0.0	96.5	-2.38	0.0	0.0	0.05	0.0	0.0
						193.0	-2.38	0.0	0.0	0.05	0.0	0.0
219	9	0.0	0.0	-3.21e-03	0.0	0.0	5.09	0.0	0.0	-0.13	0.0	0.0
		0.0	0.0	1.75e-04	0.0	96.5	5.09	0.0	0.0	-0.13	0.0	0.0
						193.0	5.09	0.0	0.0	-0.13	0.0	0.0
220	3	0.09	0.0	-7.27e-04	-1.77	0.0	0.44	0.0	-0.01	-2.34e-03	0.0	0.09
		-1.24	-0.02	-2.39e-05	0.0	75.0	0.44	-0.89	-0.01	-2.34e-03	-8.78e-03	-0.24
						150.0	0.44	-1.77	-0.01	-2.34e-03	-0.02	-1.24
220	4	4.91e-05	6.48e-04	2.50e-06	0.0	0.0	2.46e-04	0.0	4.32e-04	8.64e-05	0.0	4.91e-05
		4.91e-05	0.0	0.0	0.0	75.0	2.46e-04	0.0	4.32e-04	8.64e-05	3.24e-04	4.91e-05
						150.0	2.46e-04	0.0	4.32e-04	8.64e-05	6.48e-04	4.91e-05
220	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
220	9	0.61	0.0	2.97e-03	0.0	0.0	0.95	0.52	-0.30	-0.06	0.0	0.19
		0.19	-0.45	1.80e-05	0.0	75.0	0.95	0.52	-0.30	-0.06	-0.22	0.40
						150.0	0.95	0.52	-0.30	-0.06	-0.45	0.61
220	10	0.61	0.0	2.89e-03	0.0	0.0	0.81	-0.51	-0.23	-0.05	0.0	0.16
		0.16	-0.35	-4.28e-04	0.0	75.0	0.81	-0.51	-0.23	-0.05	-0.18	0.39
						150.0	0.81	-0.51	-0.23	-0.05	-0.35	0.61
221	3	0.77	0.0	-8.08e-03	-3.18	0.0	-8.83	1.59	0.0	0.17	0.0	0.0
		0.0	0.0	-2.03e-04	0.0	96.5	-8.83	0.0	0.0	0.17	0.0	0.77
						193.0	-8.83	-1.59	0.0	0.17	0.0	0.0
221	7	0.0	0.0	6.73e-04	0.0	0.0	0.43	0.0	0.0	0.09	0.0	0.0
		0.0	0.0	-1.48e-03	0.0	96.5	0.43	0.0	0.0	0.09	0.0	0.0
						193.0	0.43	0.0	0.0	0.09	0.0	0.0
221	10	0.0	0.0	-3.95e-03	0.0	0.0	4.49	0.0	0.0	0.07	0.0	0.0
		0.0	0.0	-1.08e-04	0.0	96.5	4.49	0.0	0.0	0.07	0.0	0.0
						193.0	4.49	0.0	0.0	0.07	0.0	0.0
222	3	0.10	0.07	-5.46e-04	-1.77	0.0	0.48	0.0	0.05	9.39e-03	0.0	0.10
		-1.23	0.0	-1.54e-05	0.0	75.0	0.48	-0.89	0.05	9.39e-03	0.04	-0.24
						150.0	0.48	-1.77	0.05	9.39e-03	0.07	-1.23
222	4	-1.17e-04	0.0	3.99e-06	0.0	0.0	-5.86e-04	0.0	-1.02e-03	-2.05e-04	0.0	-1.17e-04
		-1.17e-04	-1.53e-03	-1.11e-06	0.0	75.0	-5.86e-04	0.0	-1.02e-03	-2.05e-04	-7.67e-04	-1.17e-04
						150.0	-5.86e-04	0.0	-1.02e-03	-2.05e-04	-1.53e-03	-1.17e-04
222	7	0.19	0.0	-1.21e-04	0.0	0.0	0.29	-0.09	-0.19	-0.04	0.0	0.06
		0.06	-0.29	1.38e-04	0.0	75.0	0.29	-0.09	-0.19	-0.04	-0.14	0.12
						150.0	0.29	-0.09	-0.19	-0.04	-0.29	0.19
222	9	0.54	0.0	2.72e-03	0.0	0.0	0.97	0.48	-0.16	-0.03	0.0	0.19
		0.19	-0.24	-4.54e-04	0.0	75.0	0.97	0.48	-0.16	-0.03	-0.12	0.37
						150.0	0.97	0.48	-0.16	-0.03	-0.24	0.54
222	10	0.54	0.0	2.59e-03	0.0	0.0	0.76	-0.46	-0.08	-0.02	0.0	0.15
		0.15	-0.13	-6.83e-04	0.0	75.0	0.76	-0.46	-0.08	-0.02	-0.06	0.35
						150.0	0.76	-0.46	-0.08	-0.02	-0.13	0.54
223	3	0.77	0.0	-6.53e-03	-3.18	0.0	-8.15	1.59	0.0	0.31	0.0	0.0
		0.0	0.0	-3.59e-04	0.0	96.5	-8.15	0.0	0.0	0.31	0.0	0.77
						193.0	-8.15	-1.59	0.0	0.31	0.0	0.0
223	7	0.0	0.0	1.15e-03	0.0	0.0	2.51	0.0	0.0	0.05	0.0	0.0
		0.0	0.0	-1.43e-03	0.0	96.5	2.51	0.0	0.0	0.05	0.0	0.0
						193.0	2.51	0.0	0.0	0.05	0.0	0.0
223	8	0.0	0.0	1.01e-03	0.0	0.0	2.39	0.0	0.0	0.04	0.0	0.0
		0.0	0.0	-1.55e-03	0.0	96.5	2.39	0.0	0.0	0.04	0.0	0.0
						193.0	2.39	0.0	0.0	0.04	0.0	0.0
223	10	0.0	0.0	-3.14e-03	0.0	0.0	5.29	0.0	0.0	0.13	0.0	0.0
		0.0	0.0	-1.79e-04	0.0	96.5	5.29	0.0	0.0	0.13	0.0	0.0
						193.0	5.29	0.0	0.0	0.13	0.0	0.0
224	3	0.09	0.0	-5.31e-04	-1.77	0.0	0.44	0.0	-9.15e-03	-1.83e-03	0.0	0.09
		-1.24	-0.01	3.12e-06	0.0	75.0	0.44	-0.89	-9.15e-03	-1.83e-03	-6.87e-03	-0.24
						150.0	0.44	-1.77	-9.15e-03	-1.83e-03	-0.01	-1.24

224	4	8.57e-05	1.13e-03	9.81e-06	0.0	0.0	4.29e-04	0.0	7.50e-04	1.50e-04	0.0	8.57e-05
		8.57e-05	0.0	-1.61e-06	0.0	75.0	4.29e-04	0.0	7.50e-04	1.50e-04	5.63e-04	8.57e-05
						150.0	4.29e-04	0.0	7.50e-04	1.50e-04	1.13e-03	8.57e-05
224	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
224	9	0.49	0.0	1.89e-03	0.0	0.0	0.81	0.42	-0.24	-0.05	0.0	0.16
		0.16	-0.36	-7.26e-04	0.0	75.0	0.81	0.42	-0.24	-0.05	-0.18	0.33
						150.0	0.81	0.42	-0.24	-0.05	-0.36	0.49
224	10	0.50	0.0	1.82e-03	0.0	0.0	0.57	-0.40	-0.14	-0.03	0.0	0.11
		0.11	-0.21	-9.26e-04	0.0	75.0	0.57	-0.40	-0.14	-0.03	-0.10	0.31
						150.0	0.57	-0.40	-0.14	-0.03	-0.21	0.50
225	3	0.77	0.0	-4.29e-03	-3.18	0.0	-5.95	1.59	0.0	0.37	0.0	0.0
		0.0	0.0	-4.30e-04	0.0	96.5	-5.95	0.0	0.0	0.37	0.0	0.77
						193.0	-5.95	-1.59	0.0	0.37	0.0	0.0
225	7	0.0	0.0	1.30e-03	0.0	0.0	0.82	0.0	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.37e-03	0.0	96.5	0.82	0.0	0.0	-0.01	0.0	0.0
						193.0	0.82	0.0	0.0	-0.01	0.0	0.0
225	9	0.0	0.0	-1.91e-03	0.0	0.0	6.62	0.0	0.0	0.16	0.0	0.0
		0.0	0.0	-3.03e-04	0.0	96.5	6.62	0.0	0.0	0.16	0.0	0.0
						193.0	6.62	0.0	0.0	0.16	0.0	0.0
225	10	0.0	0.0	-1.98e-03	0.0	0.0	7.55	0.0	0.0	0.17	0.0	0.0
		0.0	0.0	-2.20e-04	0.0	96.5	7.55	0.0	0.0	0.17	0.0	0.0
						193.0	7.55	0.0	0.0	0.17	0.0	0.0
226	3	0.24	0.0	-3.10e-04	-2.61	0.0	1.20	0.0	-0.02	-4.64e-03	0.0	0.24
		-1.72	-0.03	-2.18e-05	0.0	75.0	1.20	-1.30	-0.02	-4.64e-03	-0.02	-0.25
						150.0	1.20	-2.61	-0.02	-4.64e-03	-0.03	-1.72
226	4	7.62e-04	1.55e-04	1.43e-05	0.0	0.0	3.81e-03	0.0	1.03e-04	2.07e-05	0.0	7.62e-04
		7.62e-04	0.0	0.0	0.0	75.0	3.81e-03	0.0	1.03e-04	2.07e-05	7.76e-05	7.62e-04
						150.0	3.81e-03	0.0	1.03e-04	2.07e-05	1.55e-04	7.62e-04
226	9	-0.14	0.0	1.21e-03	0.0	0.0	-0.72	-0.50	-0.12	-0.02	0.0	-0.14
		-0.60	-0.18	-9.57e-04	0.0	75.0	-0.72	-0.50	-0.12	-0.02	-0.09	-0.37
						150.0	-0.72	-0.50	-0.12	-0.02	-0.18	-0.60
226	10	0.56	0.0	1.14e-03	0.0	0.0	0.69	-0.47	-0.09	-0.02	0.0	0.14
		0.14	-0.14	-1.00e-03	0.0	75.0	0.69	-0.47	-0.09	-0.02	-0.07	0.35
						150.0	0.69	-0.47	-0.09	-0.02	-0.14	0.56
227	3	0.77	0.0	-1.90e-03	-3.18	0.0	-5.08	1.59	0.0	0.34	0.0	0.0
		0.0	0.0	-3.74e-04	0.0	96.5	-5.08	0.0	0.0	0.34	0.0	0.77
						193.0	-5.08	-1.59	0.0	0.34	0.0	0.0
227	7	0.0	0.0	1.08e-03	0.0	0.0	-3.12	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	96.5	-3.12	0.0	0.0	-0.06	0.0	0.0
						193.0	-3.12	0.0	0.0	-0.06	0.0	0.0
227	8	0.0	0.0	9.15e-04	0.0	0.0	-1.19	0.0	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.42e-03	0.0	96.5	-1.19	0.0	0.0	-0.06	0.0	0.0
						193.0	-1.19	0.0	0.0	-0.06	0.0	0.0
227	10	0.0	0.0	-8.85e-04	0.0	0.0	10.25	0.0	0.0	0.15	0.0	0.0
		0.0	0.0	-2.04e-04	0.0	96.5	10.25	0.0	0.0	0.15	0.0	0.0
						193.0	10.25	0.0	0.0	0.15	0.0	0.0
228	3	-0.02	0.0	7.94e-04	-1.16	0.0	-0.07	1.16	0.23	0.07	-0.34	-0.89
		-0.89	-0.34	9.32e-05	0.0	75.0	-0.07	0.58	0.23	0.07	-0.17	-0.24
						150.0	-0.07	0.0	0.23	0.07	0.0	-0.02
228	7	-0.24	2.28	8.45e-04	0.0	0.0	-0.97	0.22	-1.52	-0.49	2.28	-0.24
		-0.31	0.0	-6.74e-04	0.0	75.0	-0.97	0.22	-1.52	-0.49	1.14	-0.27
						150.0	-0.97	0.22	-1.52	-0.49	0.0	-0.31
228	8	-0.28	1.58	6.78e-04	0.0	0.0	-1.15	-0.19	-1.05	-0.34	1.58	-0.28
		-0.37	0.0	-7.94e-04	0.0	75.0	-1.15	-0.19	-1.05	-0.34	0.79	-0.32
						150.0	-1.15	-0.19	-1.05	-0.34	0.0	-0.37
228	10	0.32	0.0	-6.72e-04	0.0	0.0	1.01	-0.19	0.10	0.03	-0.14	0.20
		0.20	-0.14	-1.16e-04	0.0	75.0	1.01	-0.19	0.10	0.03	-0.07	0.26
						150.0	1.01	-0.19	0.10	0.03	0.0	0.32
229	3	0.04	0.10	1.86e-03	-1.16	0.0	0.14	1.16	-0.07	-0.02	0.10	-0.83
		-0.83	0.0	8.18e-05	0.0	75.0	0.14	0.58	-0.07	-0.02	0.05	-0.17
						150.0	0.14	0.0	-0.07	-0.02	0.0	0.04
229	7	-0.02	1.13	1.51e-03	0.0	0.0	-0.07	-0.23	-0.75	-0.24	1.13	-0.33
		-0.33	0.0	-5.65e-04	0.0	75.0	-0.07	-0.23	-0.75	-0.24	0.57	-0.18
						150.0	-0.07	-0.23	-0.75	-0.24	0.0	-0.02
229	9	-0.12	0.12	-2.67e-04	0.0	0.0	-0.38	-0.13	-0.08	-0.03	0.12	-0.31
		-0.31	0.0	3.96e-05	0.0	75.0	-0.38	-0.13	-0.08	-0.03	0.06	-0.22
						150.0	-0.38	-0.13	-0.08	-0.03	0.0	-0.12
229	10	-0.10	0.0	-2.81e-04	0.0	0.0	-0.32	-0.12	0.16	0.05	-0.25	-0.27
		-0.27	-0.25	-5.41e-05	0.0	75.0	-0.32	-0.12	0.16	0.05	-0.12	-0.19
						150.0	-0.32	-0.12	0.16	0.05	0.0	-0.10
230	3	0.78	0.0	-8.98e-04	-3.21	0.0	-3.96	1.61	0.0	0.12	0.0	0.0
		0.0	0.0	-1.10e-04	0.0	97.0	-3.96	0.0	0.0	0.12	0.0	0.78
						194.1	-3.96	-1.61	0.0	0.12	0.0	0.0
230	6	0.62	0.0	-7.18e-04	-2.57	0.0	-3.17	1.29	0.0	0.09	0.0	0.0
		0.0	0.0	-8.78e-05	0.0	97.0	-3.17	0.0	0.0	0.09	0.0	0.62

						194.1	-3.17	-1.29	0.0	0.09	0.0	0.0
230	7	0.0	0.0	-7.38e-04	0.0	0.0	-9.42	0.0	0.0	0.08	0.0	0.0
		0.0	0.0	4.34e-04	0.0	97.0	-9.42	0.0	0.0	0.08	0.0	0.0
						194.1	-9.42	0.0	0.0	0.08	0.0	0.0
230	8	0.0	0.0	-7.17e-04	0.0	0.0	-10.10	0.0	0.0	0.08	0.0	0.0
		0.0	0.0	-1.64e-04	0.0	97.0	-10.10	0.0	0.0	0.08	0.0	0.0
						194.1	-10.10	0.0	0.0	0.08	0.0	0.0
230	10	0.0	0.0	3.19e-04	0.0	0.0	1.25	0.0	0.0	0.03	0.0	0.0
		0.0	0.0	-6.86e-05	0.0	97.0	1.25	0.0	0.0	0.03	0.0	0.0
						194.1	1.25	0.0	0.0	0.03	0.0	0.0
231	3	-0.05	0.0	2.56e-03	-1.16	0.0	-0.14	1.16	0.42	0.13	-0.63	-0.92
		-0.92	-0.63	5.97e-05	0.0	75.0	-0.14	0.58	0.42	0.13	-0.31	-0.26
						150.0	-0.14	0.0	0.42	0.13	0.0	-0.05
231	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
231	8	-0.16	1.70	1.48e-03	0.0	0.0	-0.50	0.20	-1.13	-0.36	1.70	-0.18
		-0.18	0.0	-6.17e-04	0.0	75.0	-0.50	0.20	-1.13	-0.36	0.85	-0.17
						150.0	-0.50	0.20	-1.13	-0.36	0.0	-0.16
232	4	8.38e-03	0.02	1.62e-05	0.0	0.0	-0.07	-0.09	-0.02	6.02e-03	0.02	8.38e-03
		-0.12	-0.01	1.51e-06	0.0	75.9	-0.07	-0.09	-0.02	6.02e-03	7.25e-04	-0.06
						151.8	-0.07	-0.09	-0.02	6.02e-03	-0.01	-0.12
232	7	14.18	2.48	5.37e-04	0.0	0.0	-5.71	4.16	-7.96	-0.14	2.48	8.07
		8.07	-9.61	-9.58e-05	0.0	75.9	-5.71	4.16	-7.96	-0.14	-3.56	11.12
						151.8	-5.71	4.16	-7.96	-0.14	-9.61	14.18
232	9	17.54	10.81	-1.22e-03	0.0	0.0	-1.32	8.20	9.20	-0.46	-3.16	5.12
		5.12	-3.16	-8.71e-04	0.0	75.9	-1.32	8.20	9.20	-0.46	3.82	11.33
						151.8	-1.32	8.20	9.20	-0.46	10.81	17.54
232	10	16.26	10.43	-1.16e-03	0.0	0.0	1.78	7.59	8.59	-0.42	-2.62	4.77
		4.77	-2.62	-9.40e-04	0.0	75.9	1.78	7.59	8.59	-0.42	3.91	10.52
						151.8	1.78	7.59	8.59	-0.42	10.43	16.26
233	3	-0.32	0.53	3.02e-03	-1.17	0.0	-0.99	1.17	-0.35	-0.11	0.53	-1.19
		-1.19	0.0	1.94e-05	0.0	75.0	-0.99	0.58	-0.35	-0.11	0.26	-0.54
						150.0	-0.99	0.0	-0.35	-0.11	0.0	-0.32
233	7	0.61	0.0	1.50e-03	0.0	0.0	1.06	-0.19	0.25	0.08	-0.37	0.61
		0.34	-0.37	-5.62e-05	0.0	75.0	1.06	-0.19	0.25	0.08	-0.18	0.48
						150.0	1.06	-0.19	0.25	0.08	0.0	0.34
234	3	0.54	3.83e-03	2.06e-03	-1.16	0.0	1.70	1.16	-2.56e-03	-8.18e-04	3.83e-03	-0.33
		-0.33	0.0	0.0	0.0	75.0	1.70	0.58	-2.56e-03	-8.18e-04	1.92e-03	0.33
						150.0	1.70	0.0	-2.56e-03	-8.18e-04	0.0	0.54
234	7	-0.35	0.0	2.47e-03	0.0	0.0	-2.12	0.27	0.16	0.05	-0.24	-0.35
		-0.68	-0.24	1.73e-04	0.0	75.0	-2.12	0.27	0.16	0.05	-0.12	-0.51
						150.0	-2.12	0.27	0.16	0.05	0.0	-0.68
234	8	-0.35	0.23	2.46e-03	0.0	0.0	-2.12	-0.27	-0.16	-0.05	0.23	-0.35
		-0.68	0.0	-1.75e-04	0.0	75.0	-2.12	-0.27	-0.16	-0.05	0.12	-0.51
						150.0	-2.12	-0.27	-0.16	-0.05	0.0	-0.68
234	9	3.43e-03	0.45	1.48e-06	0.0	0.0	2.41e-03	-2.07e-03	-0.30	-0.10	0.45	3.43e-03
		7.70e-04	0.0	8.46e-05	0.0	75.0	2.41e-03	-2.07e-03	-0.30	-0.10	0.22	2.10e-03
						150.0	2.41e-03	-2.07e-03	-0.30	-0.10	0.0	7.70e-04
235	3	-0.32	0.0	3.03e-03	-1.15	0.0	-1.00	1.15	0.34	0.11	-0.52	-1.19
		-1.19	-0.52	-2.01e-05	0.0	75.0	-1.00	0.58	0.34	0.11	-0.26	-0.54
						150.0	-1.00	0.0	0.34	0.11	0.0	-0.32
235	8	0.61	0.36	1.50e-03	0.0	0.0	1.08	0.19	-0.24	-0.08	0.36	0.61
		0.34	0.0	5.66e-05	0.0	75.0	1.08	0.19	-0.24	-0.08	0.18	0.48
						150.0	1.08	0.19	-0.24	-0.08	0.0	0.34
235	9	0.08	0.48	1.12e-06	0.0	0.0	0.13	0.04	-0.32	-0.10	0.48	0.08
		0.04	0.0	6.45e-05	0.0	75.0	0.13	0.04	-0.32	-0.10	0.24	0.06
						150.0	0.13	0.04	-0.32	-0.10	0.0	0.04
236	8	14.13	9.60	5.35e-04	0.0	0.0	-5.76	4.16	7.96	0.14	-2.48	8.03
		8.03	-2.48	9.68e-05	0.0	75.9	-5.76	4.16	7.96	0.14	3.56	11.08
						151.8	-5.76	4.16	7.96	0.14	9.60	14.13
236	9	-5.11	10.81	1.22e-03	0.0	0.0	1.34	-8.18	9.20	-0.46	-3.16	-5.11
		-17.50	-3.16	-8.70e-04	0.0	75.9	1.34	-8.18	9.20	-0.46	3.82	-11.31
						151.8	1.34	-8.18	9.20	-0.46	10.81	-17.50
237	3	-0.04	0.63	2.55e-03	-1.16	0.0	-0.12	1.16	-0.42	-0.13	0.63	-0.91
		-0.91	0.0	-6.02e-05	0.0	75.0	-0.12	0.58	-0.42	-0.13	0.32	-0.26
						150.0	-0.12	0.0	-0.42	-0.13	0.0	-0.04
237	7	-0.17	0.0	1.49e-03	0.0	0.0	-0.53	0.20	1.13	0.36	-1.69	-0.18
		-0.18	-1.69	6.17e-04	0.0	75.0	-0.53	0.20	1.13	0.36	-0.84	-0.17
						150.0	-0.53	0.20	1.13	0.36	0.0	-0.17
237	10	0.14	0.19	9.81e-05	0.0	0.0	0.31	0.05	-0.13	-0.04	0.19	0.14
		0.10	0.0	-3.09e-05	0.0	75.0	0.31	0.05	-0.13	-0.04	0.10	0.12
						150.0	0.31	0.05	-0.13	-0.04	0.0	0.10
238	3	-7.73	0.12	2.75e-03	-1.22	0.0	-8.97	-17.90	0.24	-0.28	-0.24	-7.73
		-35.82	-0.24	2.32e-05	0.0	75.9	-8.97	-18.50	0.24	-0.28	-0.06	-21.54
						151.8	-8.97	-19.11	0.24	-0.28	0.12	-35.82
238	8	20.86	5.93	1.14e-03	0.0	0.0	0.63	2.85	3.79	0.22	0.22	17.33

		17.33	0.22	-7.92e-05	0.0	75.9	0.63	2.85	3.79	0.22	3.08	19.10
						151.8	0.63	2.85	3.79	0.22	5.93	20.86
238	9	3.71	9.38	1.99e-04	0.0	0.0	1.58	-1.54	6.26	0.15	-0.17	1.45
		1.45	-0.17	-9.34e-04	0.0	75.9	1.58	-1.54	6.26	0.15	4.60	2.58
						151.8	1.58	-1.54	6.26	0.15	9.38	3.71
238	10	3.99	9.33	1.95e-04	0.0	0.0	1.74	1.47	5.96	0.12	0.31	1.93
		1.93	0.31	-1.00e-03	0.0	75.9	1.74	1.47	5.96	0.12	4.82	2.96
						151.8	1.74	1.47	5.96	0.12	9.33	3.99
239	3	0.04	0.0	1.87e-03	-1.16	0.0	0.12	1.16	0.07	0.02	-0.10	-0.83
		-0.83	-0.10	-8.22e-05	0.0	75.0	0.12	0.58	0.07	0.02	-0.05	-0.18
						150.0	0.12	0.0	0.07	0.02	0.0	0.04
239	7	-0.08	0.0	1.28e-03	0.0	0.0	-0.24	0.21	0.67	0.21	-1.00	-0.27
		-0.27	-1.00	7.46e-04	0.0	75.0	-0.24	0.21	0.67	0.21	-0.50	-0.17
						150.0	-0.24	0.21	0.67	0.21	0.0	-0.08
239	8	-0.02	0.0	1.50e-03	0.0	0.0	-0.06	0.23	0.75	0.24	-1.13	-0.34
		-0.34	-1.13	5.65e-04	0.0	75.0	-0.06	0.23	0.75	0.24	-0.57	-0.18
						150.0	-0.06	0.23	0.75	0.24	0.0	-0.02
239	9	0.31	0.12	2.69e-04	0.0	0.0	0.38	0.13	-0.08	-0.03	0.12	0.31
		0.12	0.0	3.99e-05	0.0	75.0	0.38	0.13	-0.08	-0.03	0.06	0.22
						150.0	0.38	0.13	-0.08	-0.03	0.0	0.12
240	3	-5.32	0.24	3.39e-03	-1.22	0.0	-9.46	-17.90	-1.18	-0.10	0.24	-5.32
		-33.41	-1.56	3.37e-05	0.0	75.9	-9.46	-18.50	-1.18	-0.10	-0.66	-19.13
						151.8	-9.46	-19.11	-1.18	-0.10	-1.56	-33.41
240	7	21.15	7.18	1.12e-03	0.0	0.0	2.76	2.22	4.78	0.28	-0.10	18.22
		18.22	-0.10	9.40e-05	0.0	75.9	2.76	2.22	4.78	0.28	3.54	19.68
						151.8	2.76	2.22	4.78	0.28	7.18	21.15
240	8	23.77	5.33	1.26e-03	0.0	0.0	1.35	2.59	3.60	0.14	-0.14	20.31
		20.31	-0.14	-8.16e-05	0.0	75.9	1.35	2.59	3.60	0.14	2.60	22.04
						151.8	1.35	2.59	3.60	0.14	5.33	23.77
240	9	2.70	8.84	1.76e-04	0.0	0.0	-0.76	-1.12	5.84	0.22	-0.13	1.07
		1.07	-0.13	-9.66e-04	0.0	75.9	-0.76	-1.12	5.84	0.22	4.36	1.88
						151.8	-0.76	-1.12	5.84	0.22	8.84	2.70
241	3	-9.77	-1.50e-03	2.97e-03	-1.22	0.0	-5.08	-17.90	8.93e-04	-4.84e-04	-2.86e-03	-9.77
		-37.86	-2.86e-03	0.0	0.0	75.9	-5.08	-18.51	8.93e-04	-4.84e-04	-2.18e-03	-23.59
						151.8	-5.08	-19.11	8.93e-04	-4.84e-04	-1.50e-03	-37.86
241	7	36.42	1.41	1.81e-03	0.0	0.0	1.27	3.58	0.91	0.10	0.04	31.42
		31.42	0.04	3.84e-05	0.0	75.9	1.27	3.58	0.91	0.10	0.72	33.92
						151.8	1.27	3.58	0.91	0.10	1.41	36.42
241	8	36.41	-0.05	1.81e-03	0.0	0.0	1.27	3.58	-0.91	-0.11	-0.05	31.41
		31.41	-1.41	-3.75e-05	0.0	75.9	1.27	3.58	-0.91	-0.11	-0.73	33.91
						151.8	1.27	3.58	-0.91	-0.11	-1.41	36.41
241	10	0.07	7.57	-1.64e-06	0.0	0.0	-0.03	0.03	4.29	0.54	1.06	0.03
		0.03	1.06	-1.05e-03	0.0	75.9	-0.03	0.03	4.29	0.54	4.32	0.05
						151.8	-0.03	0.03	4.29	0.54	7.57	0.07
242	3	-2.05	0.97	3.83e-03	-1.21	0.0	-11.90	-17.95	0.78	-0.09	-0.22	-2.05
		-30.22	-0.22	-1.03e-05	0.0	75.9	-11.90	-18.56	0.78	-0.09	0.37	-15.90
						151.8	-11.90	-19.16	0.78	-0.09	0.97	-30.22
242	7	19.89	3.13	1.10e-03	0.0	0.0	1.77	2.13	1.95	0.21	0.22	17.27
		17.27	0.22	6.55e-05	0.0	75.9	1.77	2.13	1.95	0.21	1.68	18.58
						151.8	1.77	2.13	1.95	0.21	3.13	19.89
242	8	20.78	0.26	1.15e-03	0.0	0.0	1.62	2.27	-0.30	0.05	0.26	18.00
		18.00	-0.39	-1.08e-05	0.0	75.9	1.62	2.27	-0.30	0.05	-0.06	19.39
						151.8	1.62	2.27	-0.30	0.05	-0.39	20.78
242	9	3.96	9.44	-1.03e-04	0.0	0.0	1.21	-1.72	6.51	0.09	-0.47	1.36
		1.36	-0.47	-9.79e-04	0.0	75.9	1.21	-1.72	6.51	0.09	4.48	2.66
						151.8	1.21	-1.72	6.51	0.09	9.44	3.96
243	3	-2.01	0.22	3.82e-03	-1.22	0.0	-11.88	-17.84	-0.79	0.08	0.22	-2.01
		-30.02	-0.98	1.02e-05	0.0	75.9	-11.88	-18.45	-0.79	0.08	-0.38	-15.78
						151.8	-11.88	-19.06	-0.79	0.08	-0.98	-30.02
243	7	20.80	0.38	1.15e-03	0.0	0.0	1.65	2.26	0.30	-0.05	-0.26	18.01
		18.01	-0.26	1.18e-05	0.0	75.9	1.65	2.26	0.30	-0.05	0.06	19.40
						151.8	1.65	2.26	0.30	-0.05	0.38	20.80
243	8	19.91	-0.23	1.10e-03	0.0	0.0	1.79	2.13	-1.94	-0.21	-0.23	17.27
		17.27	-3.12	-6.46e-05	0.0	75.9	1.79	2.13	-1.94	-0.21	-1.67	18.59
						151.8	1.79	2.13	-1.94	-0.21	-3.12	19.91
243	9	-1.37	9.44	1.06e-04	0.0	0.0	-1.21	1.74	6.50	0.09	-0.47	-1.37
		-3.99	-0.47	-9.79e-04	0.0	75.9	-1.21	1.74	6.50	0.09	4.48	-2.68
						151.8	-1.21	1.74	6.50	0.09	9.44	-3.99
244	3	-0.02	0.35	7.98e-04	-1.16	0.0	-0.07	1.16	-0.23	-0.07	0.35	-0.89
		-0.89	0.0	-9.36e-05	0.0	75.0	-0.07	0.58	-0.23	-0.07	0.17	-0.24
						150.0	-0.07	0.0	-0.23	-0.07	0.0	-0.02
244	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
244	7	-0.28	0.0	6.76e-04	0.0	0.0	-1.16	0.19	1.05	0.34	-1.58	-0.28
		-0.37	-1.58	7.94e-04	0.0	75.0	-1.16	0.19	1.05	0.34	-0.79	-0.32
						150.0	-1.16	0.19	1.05	0.34	0.0	-0.37

244	8	-0.24	0.0	8.41e-04	0.0	0.0	-0.97	0.22	1.52	0.49	-2.28	-0.24
		-0.31	-2.28	6.74e-04	0.0	75.0	-0.97	0.22	1.52	0.49	-1.14	-0.27
						150.0	-0.97	0.22	1.52	0.49	0.0	-0.31
245	3	0.30	0.03	-6.71e-05	-2.52	0.0	1.48	0.0	0.02	4.35e-03	0.0	0.30
		-1.59	0.0	4.39e-05	0.0	75.0	1.48	-1.26	0.02	4.35e-03	0.02	-0.18
						150.0	1.48	-2.52	0.02	4.35e-03	0.03	-1.59
245	7	-0.23	0.0	-2.72e-04	0.0	0.0	-1.13	0.32	-0.34	-0.07	0.0	-0.23
		-0.29	-0.51	-3.30e-04	0.0	75.0	-1.13	0.32	-0.34	-0.07	-0.25	-0.26
						150.0	-1.13	0.32	-0.34	-0.07	-0.51	-0.29
245	8	-0.25	0.0	-2.13e-04	0.0	0.0	-1.23	-0.28	-0.16	-0.03	0.0	-0.25
		-0.26	-0.24	-4.56e-04	0.0	75.0	-1.23	-0.28	-0.16	-0.03	-0.12	-0.25
						150.0	-1.23	-0.28	-0.16	-0.03	-0.24	-0.26
245	9	0.48	0.05	5.98e-04	0.0	0.0	2.38	0.36	0.03	6.79e-03	0.0	0.48
		0.27	0.0	-5.39e-04	0.0	75.0	2.38	0.36	0.03	6.79e-03	0.03	0.37
						150.0	2.38	0.36	0.03	6.79e-03	0.05	0.27
245	10	0.38	0.09	5.26e-04	0.0	0.0	1.91	0.33	0.06	0.01	0.0	0.38
		0.26	0.0	-5.28e-04	0.0	75.0	1.91	0.33	0.06	0.01	0.05	0.32
						150.0	1.91	0.33	0.06	0.01	0.09	0.26
246	3	0.28	0.0	-7.35e-05	-2.58	0.0	1.41	0.0	-0.02	-3.91e-03	0.0	0.28
		-1.65	-0.03	-4.25e-05	0.0	75.0	1.41	-1.29	-0.02	-3.91e-03	-0.01	-0.20
						150.1	1.41	-2.58	-0.02	-3.91e-03	-0.03	-1.65
246	4	-4.58e-04	0.0	1.85e-05	0.0	0.0	-2.29e-03	0.0	-8.51e-04	-1.70e-04	0.0	-4.58e-04
		-4.58e-04	-1.28e-03	0.0	0.0	75.0	-2.29e-03	0.0	-8.51e-04	-1.70e-04	-6.39e-04	-4.58e-04
						150.1	-2.29e-03	0.0	-8.51e-04	-1.70e-04	-1.28e-03	-4.58e-04
246	7	0.28	0.0	2.70e-04	0.0	0.0	1.30	0.32	-0.33	-0.07	0.0	0.26
		0.26	-0.49	-3.37e-04	0.0	75.0	1.30	0.32	-0.33	-0.07	-0.25	0.27
						150.1	1.30	0.32	-0.33	-0.07	-0.49	0.28
246	10	0.50	0.04	5.94e-04	0.0	0.0	2.48	-0.36	0.03	5.65e-03	0.0	0.50
		0.27	0.0	5.23e-04	0.0	75.0	2.48	-0.36	0.03	5.65e-03	0.02	0.38
						150.1	2.48	-0.36	0.03	5.65e-03	0.04	0.27
247	3	0.28	0.03	7.37e-05	-2.52	0.0	1.42	2.52	-0.02	-4.59e-03	0.03	-1.61
		-1.61	0.0	-4.30e-05	0.0	75.0	1.42	1.26	-0.02	-4.59e-03	0.02	-0.19
						150.0	1.42	0.0	-0.02	-4.59e-03	0.0	0.28
247	8	-0.23	0.0	2.70e-04	0.0	0.0	-1.16	0.32	0.34	0.07	-0.51	-0.28
		-0.28	-0.51	3.30e-04	0.0	75.0	-1.16	0.32	0.34	0.07	-0.25	-0.26
						150.0	-1.16	0.32	0.34	0.07	0.0	-0.23
247	9	-0.26	0.0	5.97e-04	0.0	0.0	-2.35	-0.35	0.03	6.78e-03	-0.05	-0.26
		-0.47	-0.05	-5.38e-04	0.0	75.0	-2.35	-0.35	0.03	6.78e-03	-0.03	-0.37
						150.0	-2.35	-0.35	0.03	6.78e-03	0.0	-0.47
248	3	-7.80	0.22	2.74e-03	-1.22	0.0	-8.95	-17.90	-0.21	0.28	0.22	-7.80
		-35.89	-0.10	-2.40e-05	0.0	75.9	-8.95	-18.50	-0.21	0.28	0.06	-21.61
						151.8	-8.95	-19.11	-0.21	0.28	-0.10	-35.89
248	7	21.01	-0.21	1.15e-03	0.0	0.0	0.63	2.86	-3.81	-0.22	-0.21	17.46
		17.46	-5.94	7.99e-05	0.0	75.9	0.63	2.86	-3.81	-0.22	-3.08	19.23
						151.8	0.63	2.86	-3.81	-0.22	-5.94	21.01
248	8	18.01	-0.26	9.89e-04	0.0	0.0	0.92	2.48	-4.30	-0.29	-0.26	15.02
		15.02	-6.76	-1.30e-04	0.0	75.9	0.92	2.48	-4.30	-0.29	-3.51	16.52
						151.8	0.92	2.48	-4.30	-0.29	-6.76	18.01
248	9	-1.43	9.37	-1.97e-04	0.0	0.0	-1.57	1.54	6.25	0.15	-0.17	-1.43
		-3.70	-0.17	-9.36e-04	0.0	75.9	-1.57	1.54	6.25	0.15	4.60	-2.57
						151.8	-1.57	1.54	6.25	0.15	9.37	-3.70
249	3	-5.24	1.57	3.40e-03	-1.22	0.0	-9.47	-17.90	1.20	0.10	-0.25	-5.24
		-33.33	-0.25	-3.43e-05	0.0	75.9	-9.47	-18.50	1.20	0.10	0.66	-19.06
						151.8	-9.47	-19.11	1.20	0.10	1.57	-33.33
249	7	23.61	0.14	1.26e-03	0.0	0.0	1.35	2.58	-3.61	-0.14	0.14	20.17
		20.17	-5.35	8.24e-05	0.0	75.9	1.35	2.58	-3.61	-0.14	-2.60	21.89
						151.8	1.35	2.58	-3.61	-0.14	-5.35	23.61
249	8	21.01	0.10	1.12e-03	0.0	0.0	2.75	2.21	-4.80	-0.28	0.10	18.09
		18.09	-7.19	-9.32e-05	0.0	75.9	2.75	2.21	-4.80	-0.28	-3.55	19.55
						151.8	2.75	2.21	-4.80	-0.28	-7.19	21.01
249	9	-1.07	8.87	-1.75e-04	0.0	0.0	0.77	1.13	5.86	0.21	-0.13	-1.07
		-2.73	-0.13	-9.67e-04	0.0	75.9	0.77	1.13	5.86	0.21	4.37	-1.90
						151.8	0.77	1.13	5.86	0.21	8.87	-2.73
250	3	0.16	0.0	9.49e-05	-2.27	0.0	0.49	2.27	0.14	0.04	-0.21	-1.55
		-1.55	-0.21	-9.10e-05	0.0	75.0	0.49	1.13	0.14	0.04	-0.11	-0.27
						150.0	0.49	0.0	0.14	0.04	0.0	0.16
250	8	-0.74	0.81	1.08e-03	0.0	0.0	-4.01	0.44	-0.54	-0.17	0.81	-0.74
		-1.28	0.0	6.70e-04	0.0	75.0	-4.01	0.44	-0.54	-0.17	0.40	-1.01
						150.0	-4.01	0.44	-0.54	-0.17	0.0	-1.28
250	9	-0.21	2.13	1.36e-04	0.0	0.0	-0.67	0.27	-1.42	-0.46	2.13	-0.27
		-0.27	0.0	-8.27e-05	0.0	75.0	-0.67	0.27	-1.42	-0.46	1.07	-0.24
						150.0	-0.67	0.27	-1.42	-0.46	0.0	-0.21
251	1	0.33	0.14	-3.43e-04	-0.65	0.0	-0.71	0.90	-0.11	-0.03	0.14	-0.79
		-0.79	-0.07	5.16e-05	0.0	96.5	-0.71	0.58	-0.11	-0.03	0.03	-0.07
						193.0	-0.71	0.25	-0.11	-0.03	-0.07	0.33
251	3	0.85	0.30	-8.23e-04	-3.18	0.0	-0.23	3.61	-0.22	-0.09	0.30	-3.06
		-3.06	-0.13	1.33e-04	0.0	96.5	-0.23	2.02	-0.22	-0.09	0.08	-0.34

						193.0	-0.23	0.43	-0.22	-0.09	-0.13	0.85
251	7	1.37	5.25	-3.81e-04	0.0	0.0	4.24	0.96	5.57	-0.03	-5.50	-0.51
		-0.51	-5.50	-1.34e-03	0.0	96.5	4.24	0.96	5.57	-0.03	-0.12	0.43
						193.0	4.24	0.96	5.57	-0.03	5.25	1.37
251	8	1.53	4.70	-2.89e-04	0.0	0.0	1.69	1.05	4.97	-0.02	-4.90	-0.52
		-0.52	-4.90	-1.30e-03	0.0	96.5	1.69	1.05	4.97	-0.02	-0.10	0.51
						193.0	1.69	1.05	4.97	-0.02	4.70	1.53
251	9	-1.69	4.63	1.29e-03	0.0	0.0	10.81	0.38	-4.89	0.15	4.63	-2.35
		-2.35	-4.81	-2.13e-04	0.0	96.5	10.81	0.38	-4.89	0.15	-0.09	-2.02
						193.0	10.81	0.38	-4.89	0.15	-4.81	-1.69
252	3	1.81	0.06	-1.27e-03	-3.18	0.0	2.98	5.07	-0.02	-0.08	0.06	-4.91
		-4.91	0.02	8.96e-05	0.0	96.5	2.98	3.48	-0.02	-0.08	0.04	-0.78
						193.0	2.98	1.89	-0.02	-0.08	0.02	1.81
252	4	0.03	0.02	1.56e-05	0.0	0.0	-0.01	-0.02	-0.01	-7.66e-04	0.02	0.03
		-0.02	-0.01	3.37e-06	0.0	96.5	-0.01	-0.02	-0.01	-7.66e-04	1.50e-03	5.59e-03
						193.0	-0.01	-0.02	-0.01	-7.66e-04	-0.01	-0.02
252	7	1.14	5.35	-4.88e-04	0.0	0.0	3.30	1.56	5.74	-0.01	-5.73	-1.88
		-1.88	-5.73	-1.38e-03	0.0	96.5	3.30	1.56	5.74	-0.01	-0.19	-0.37
						193.0	3.30	1.56	5.74	-0.01	5.35	1.14
252	9	-0.50	3.67	2.24e-03	0.0	0.0	8.13	1.01	-3.86	0.15	3.67	-2.13
		-2.13	-3.78	-2.11e-04	0.0	96.5	8.13	1.01	-3.86	0.15	-0.06	-1.32
						193.0	8.13	1.01	-3.86	0.15	-3.78	-0.50
253	3	2.75	0.04	-1.61e-03	-3.18	0.0	4.87	6.98	0.03	-0.05	-0.01	-7.66
		-7.66	-0.01	5.49e-05	0.0	96.5	4.87	5.39	0.03	-0.05	0.02	-1.69
						193.0	4.87	3.80	0.03	-0.05	0.04	2.75
253	5	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	96.5	0.0	0.0	0.0	0.0	0.0	0.0
						193.0	0.0	0.0	0.0	0.0	0.0	0.0
253	7	0.86	4.94	-3.10e-04	0.0	0.0	0.71	1.51	5.32	0.09	-5.34	-2.05
		-2.05	-5.34	-1.41e-03	0.0	96.5	0.71	1.51	5.32	0.09	-0.20	-0.59
						193.0	0.71	1.51	5.32	0.09	4.94	0.86
253	9	0.63	2.10	3.15e-03	0.0	0.0	8.55	2.32	-2.28	0.13	2.10	-4.02
		-4.02	-2.31	-1.47e-04	0.0	96.5	8.55	2.32	-2.28	0.13	-0.10	-1.70
						193.0	8.55	2.32	-2.28	0.13	-2.31	0.63
254	3	2.72	0.17	-1.75e-03	-3.18	0.0	4.41	6.57	-0.13	-0.01	0.17	-6.89
		-6.89	-0.08	2.71e-05	0.0	96.5	4.41	4.98	-0.13	-0.01	0.04	-1.32
						193.0	4.41	3.39	-0.13	-0.01	-0.08	2.72
254	7	1.01	5.07	1.51e-04	0.0	0.0	-0.84	-0.82	5.43	0.03	-5.41	1.01
		-0.58	-5.41	-1.41e-03	0.0	96.5	-0.84	-0.82	5.43	0.03	-0.17	0.22
						193.0	-0.84	-0.82	5.43	0.03	5.07	-0.58
254	8	0.84	4.60	1.38e-04	0.0	0.0	-0.89	-0.64	4.93	0.02	-4.91	0.84
		-0.41	-4.91	-1.36e-03	0.0	96.5	-0.89	-0.64	4.93	0.02	-0.15	0.21
						193.0	-0.89	-0.64	4.93	0.02	4.60	-0.41
254	9	0.81	0.92	3.80e-03	0.0	0.0	5.60	1.48	-0.94	0.07	0.92	-2.29
		-2.29	-0.89	-4.78e-05	0.0	96.5	5.60	1.48	-0.94	0.07	0.02	-0.74
						193.0	5.60	1.48	-0.94	0.07	-0.89	0.81
255	3	2.49	5.65e-03	-1.77e-03	-3.18	0.0	4.32	5.93	7.12e-03	-1.25e-04	-8.09e-03	-5.89
		-5.89	-8.09e-03	0.0	0.0	96.5	4.32	4.34	7.12e-03	-1.25e-04	-1.22e-03	-0.93
						193.0	4.32	2.75	7.12e-03	-1.25e-04	5.65e-03	2.49
255	4	2.72e-03	6.62e-03	4.12e-06	0.0	0.0	-0.01	-9.95e-04	-6.73e-03	7.42e-05	6.62e-03	2.72e-03
		8.03e-04	-6.37e-03	0.0	0.0	96.5	-0.01	-9.95e-04	-6.73e-03	7.42e-05	1.27e-04	1.76e-03
						193.0	-0.01	-9.95e-04	-6.73e-03	7.42e-05	-6.37e-03	8.03e-04
255	7	0.02	5.29	2.29e-06	0.0	0.0	0.04	0.04	5.64	-0.03	-5.60	-0.05
		-0.05	-5.60	-1.41e-03	0.0	96.5	0.04	0.04	5.64	-0.03	-0.15	-0.01
						193.0	0.04	0.04	5.64	-0.03	5.29	0.02
255	10	-1.03	0.74	3.98e-03	0.0	0.0	6.60	1.65	-0.75	3.24e-03	0.74	-2.20
		-2.20	-0.71	-4.73e-05	0.0	96.5	6.60	1.65	-0.75	3.24e-03	0.02	-1.62
						193.0	6.60	1.65	-0.75	3.24e-03	-0.71	-1.03
256	3	2.74	0.09	-1.75e-03	-3.18	0.0	4.46	6.64	0.13	0.01	-0.17	-7.01
		-7.01	-0.17	-2.78e-05	0.0	96.5	4.46	5.05	0.13	0.01	-0.04	-1.37
						193.0	4.46	3.46	0.13	0.01	0.09	2.74
256	5	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	96.5	0.0	0.0	0.0	0.0	0.0	0.0
						193.0	0.0	0.0	0.0	0.0	0.0	0.0
256	7	0.56	5.05	-1.54e-04	0.0	0.0	0.83	0.79	5.41	0.03	-5.39	-0.97
		-0.97	-5.39	-1.41e-03	0.0	96.5	0.83	0.79	5.41	0.03	-0.17	-0.21
						193.0	0.83	0.79	5.41	0.03	5.05	0.56
256	10	0.78	1.02	3.76e-03	0.0	0.0	5.65	1.51	1.07	-0.07	-1.05	-2.39
		-2.39	-1.05	5.73e-05	0.0	96.5	5.65	1.51	1.07	-0.07	-0.02	-0.80
						193.0	5.65	1.51	1.07	-0.07	1.02	0.78
257	3	2.70	0.02	-1.60e-03	-3.18	0.0	4.66	6.86	-0.03	0.05	0.02	-7.47
		-7.47	-0.04	-5.63e-05	0.0	96.5	4.66	5.27	-0.03	0.05	-0.01	-1.62
						193.0	4.66	3.68	-0.03	0.05	-0.04	2.70
257	7	2.16	4.97	3.32e-04	0.0	0.0	-0.72	-1.60	5.36	0.08	-5.37	2.16
		-0.93	-5.37	-1.40e-03	0.0	96.5	-0.72	-1.60	5.36	0.08	-0.20	0.62
						193.0	-0.72	-1.60	5.36	0.08	4.97	-0.93
257	10	0.60	2.44	3.09e-03	0.0	0.0	8.66	2.22	2.42	-0.13	-2.24	-3.87

		-3.87	-2.24	1.55e-04	0.0	96.5	8.66	2.22	2.42	-0.13	0.10	-1.64
						193.0	8.66	2.22	2.42	-0.13	2.44	0.60
258	3	1.74	-3.15e-03	-1.27e-03	-3.18	0.0	2.80	4.94	0.04	0.08	-0.08	-4.72
		-4.72	-0.08	-9.21e-05	0.0	96.5	2.80	3.35	0.04	0.08	-0.04	-0.72
						193.0	2.80	1.76	0.04	0.08	-3.15e-03	1.74
258	7	1.80	5.38	4.82e-04	0.0	0.0	-3.39	-1.52	5.78	-0.02	-5.76	1.80
		-1.13	-5.76	-1.38e-03	0.0	96.5	-3.39	-1.52	5.78	-0.02	-0.19	0.33
						193.0	-3.39	-1.52	5.78	-0.02	5.38	-1.13
258	10	-0.54	3.91	2.17e-03	0.0	0.0	7.96	0.97	4.00	-0.15	-3.82	-2.12
		-2.12	-3.82	2.15e-04	0.0	96.5	7.96	0.97	4.00	-0.15	0.04	-1.33
						193.0	7.96	0.97	4.00	-0.15	3.91	-0.54
259	3	0.76	0.13	-8.10e-04	-3.18	0.0	-0.92	3.39	0.22	0.09	-0.30	-2.72
		-2.72	-0.30	-1.36e-04	0.0	96.5	-0.92	1.80	0.22	0.09	-0.09	-0.21
						193.0	-0.92	0.21	0.22	0.09	0.13	0.76
259	7	0.46	5.15	3.72e-04	0.0	0.0	-4.61	-0.96	5.47	-0.03	-5.40	0.46
		-1.40	-5.40	-1.33e-03	0.0	96.5	-4.61	-0.96	5.47	-0.03	-0.12	-0.47
						193.0	-4.61	-0.96	5.47	-0.03	5.15	-1.40
259	10	-1.75	4.76	1.23e-03	0.0	0.0	10.09	0.36	4.83	-0.14	-4.57	-2.38
		-2.38	-4.57	2.12e-04	0.0	96.5	10.09	0.36	4.83	-0.14	0.09	-2.07
						193.0	10.09	0.36	4.83	-0.14	4.76	-1.75
260	3	6.21	0.04	-6.91e-04	-0.93	0.0	-1.85	1.19	0.65	0.30	-0.88	5.18
		5.18	-0.88	-2.98e-05	0.0	71.0	-1.85	0.73	0.65	0.30	-0.42	5.86
						142.0	-1.85	0.26	0.65	0.30	0.04	6.21
260	8	-8.33	2.26	5.13e-04	0.0	0.0	5.70	4.23	8.46	0.16	-9.76	-14.13
		-14.13	-9.76	1.61e-04	0.0	71.0	5.70	4.23	8.46	0.16	-3.75	-11.23
						142.0	5.70	4.23	8.46	0.16	2.26	-8.33
260	10	-5.87	10.95	-1.16e-03	0.0	0.0	1.29	8.18	-9.75	0.45	10.95	-17.46
		-17.46	-2.89	8.03e-04	0.0	71.0	1.29	8.18	-9.75	0.45	4.03	-11.67
						142.0	1.29	8.18	-9.75	0.45	-2.89	-5.87
261	3	-9.30	0.15	-2.55e-03	-0.93	0.0	-8.87	19.11	-0.28	0.29	0.15	-35.79
		-35.79	-0.25	-2.18e-05	0.0	71.0	-8.87	18.65	-0.28	0.29	-0.05	-22.38
						142.0	-8.87	18.18	-0.28	0.29	-0.25	-9.30
261	7	-15.12	-0.44	9.44e-04	0.0	0.0	-0.93	2.48	4.54	0.32	-6.87	-17.91
		-17.91	-6.87	1.75e-04	0.0	71.0	-0.93	2.48	4.54	0.32	-3.66	-16.51
						142.0	-0.93	2.48	4.54	0.32	-0.44	-15.12
261	9	3.97	9.43	-1.87e-04	0.0	0.0	1.73	-1.48	-6.23	-0.16	9.43	3.97
		2.02	0.60	9.26e-04	0.0	71.0	1.73	-1.48	-6.23	-0.16	5.01	2.99
						142.0	1.73	-1.48	-6.23	-0.16	0.60	2.02
261	10	3.70	9.49	-1.88e-04	0.0	0.0	1.58	1.56	-6.54	-0.19	9.49	3.70
		1.57	0.24	8.68e-04	0.0	71.0	1.58	1.56	-6.54	-0.19	4.87	2.63
						142.0	1.58	1.56	-6.54	-0.19	0.24	1.57
262	3	-6.90	0.23	-3.16e-03	-0.93	0.0	-9.39	19.11	1.30	0.10	-1.62	-33.38
		-33.38	-1.62	1.58e-05	0.0	71.0	-9.39	18.65	1.30	0.10	-0.70	-19.98
						142.0	-9.39	18.18	1.30	0.10	0.23	-6.90
262	4	0.11	0.01	-1.64e-05	0.0	0.0	0.18	-3.15e-03	-0.02	1.36e-03	0.01	0.11
		0.11	-8.75e-03	0.0	0.0	71.0	0.18	-3.15e-03	-0.02	1.36e-03	2.82e-03	0.11
						142.0	0.18	-3.15e-03	-0.02	1.36e-03	-8.75e-03	0.11
262	7	-18.42	-0.09	1.08e-03	0.0	0.0	-2.79	2.21	5.11	0.31	-7.34	-21.15
		-21.15	-7.34	1.56e-04	0.0	71.0	-2.79	2.21	5.11	0.31	-3.72	-19.78
						142.0	-2.79	2.21	5.11	0.31	-0.09	-18.42
262	10	2.70	8.94	-1.67e-04	0.0	0.0	-0.76	1.12	-6.08	-0.27	8.94	2.70
		1.17	0.33	8.99e-04	0.0	71.0	-0.76	1.12	-6.08	-0.27	4.63	1.93
						142.0	-0.76	1.12	-6.08	-0.27	0.33	1.17
263	3	-3.61	1.01	-3.57e-03	-0.93	0.0	-11.79	19.16	-0.86	0.09	1.01	-30.17
		-30.17	-0.21	-1.46e-05	0.0	71.0	-11.79	18.70	-0.86	0.09	0.40	-16.73
						142.0	-11.79	18.23	-0.86	0.09	-0.21	-3.61
263	7	-17.41	-0.30	1.05e-03	0.0	0.0	-1.74	2.12	2.07	0.23	-3.19	-19.84
		-19.84	-3.19	8.46e-05	0.0	71.0	-1.74	2.12	2.07	0.23	-1.75	-18.63
						142.0	-1.74	2.12	2.07	0.23	-0.30	-17.41
263	9	4.07	9.25	9.43e-05	0.0	0.0	1.15	-1.71	-6.25	-0.13	9.25	4.07
		1.66	0.42	9.67e-04	0.0	71.0	1.15	-1.71	-6.25	-0.13	4.84	2.86
						142.0	1.15	-1.71	-6.25	-0.13	0.42	1.66
263	10	3.95	9.59	9.30e-05	0.0	0.0	1.21	1.72	-6.86	-0.12	9.59	3.95
		1.52	-0.24	9.12e-04	0.0	71.0	1.21	1.72	-6.86	-0.12	4.68	2.74
						142.0	1.21	1.72	-6.86	-0.12	-0.24	1.52
264	3	-11.39	2.44e-03	-2.76e-03	-0.93	0.0	-5.09	19.11	5.90e-03	-9.29e-04	-5.94e-03	-37.87
		-37.87	-5.94e-03	0.0	0.0	71.0	-5.09	18.64	5.90e-03	-9.29e-04	-1.75e-03	-24.46
						142.0	-5.09	18.18	5.90e-03	-9.29e-04	2.44e-03	-11.39
264	4	0.16	-4.02e-03	-1.86e-05	0.0	0.0	0.34	-4.13e-03	6.35e-04	1.25e-03	-4.92e-03	0.16
		0.15	-4.92e-03	0.0	0.0	71.0	0.34	-4.13e-03	6.35e-04	1.25e-03	-4.47e-03	0.15
						142.0	0.34	-4.13e-03	6.35e-04	1.25e-03	-4.02e-03	0.15
264	7	-31.80	-0.07	1.74e-03	0.0	0.0	-1.27	3.57	0.98	0.11	-1.44	-36.47
		-36.47	-1.44	4.13e-05	0.0	71.0	-1.27	3.57	0.98	0.11	-0.75	-34.14
						142.0	-1.27	3.57	0.98	0.11	-0.07	-31.80
264	9	-0.03	7.57	1.67e-06	0.0	0.0	-0.03	0.03	-4.35	-0.61	7.57	-0.07
		-0.07	1.39	9.72e-04	0.0	71.0	-0.03	0.03	-4.35	-0.61	4.48	-0.05
						142.0	-0.03	0.03	-4.35	-0.61	1.39	-0.03

265	3	-3.56	0.22	-3.56e-03	-0.94	0.0	-11.77	19.06	0.88	-0.09	-1.03	-29.97
		-29.97	-1.03	1.48e-05	0.0	71.0	-11.77	18.59	0.88	-0.09	-0.40	-16.60
						142.0	-11.77	18.13	0.88	-0.09	0.22	-3.56
265	4	0.10	-1.53e-04	-1.50e-05	0.0	0.0	0.10	-2.09e-03	-2.19e-03	8.37e-04	-1.53e-04	0.10
		0.10	-3.26e-03	0.0	0.0	71.0	0.10	-2.09e-03	-2.19e-03	8.37e-04	-1.71e-03	0.10
						142.0	0.10	-2.09e-03	-2.19e-03	8.37e-04	-3.26e-03	0.10
265	10	-1.53	9.58	-9.56e-05	0.0	0.0	-1.20	-1.74	-6.84	-0.12	9.58	-3.99
		-3.99	-0.23	9.12e-04	0.0	71.0	-1.20	-1.74	-6.84	-0.12	4.68	-2.76
						142.0	-1.20	-1.74	-6.84	-0.12	-0.23	-1.53
266	3	-6.82	1.62	-3.17e-03	-0.93	0.0	-9.40	19.11	-1.29	-0.10	1.62	-33.30
		-33.30	-0.22	1.60e-05	0.0	71.0	-9.40	18.65	-1.29	-0.10	0.70	-19.89
						142.0	-9.40	18.18	-1.29	-0.10	-0.22	-6.82
266	4	0.11	3.91e-04	-1.45e-05	0.0	0.0	0.20	-1.62e-03	0.02	1.47e-03	-0.03	0.11
		0.10	-0.03	0.0	0.0	71.0	0.20	-1.62e-03	0.02	1.47e-03	-0.01	0.11
						142.0	0.20	-1.62e-03	0.02	1.47e-03	3.91e-04	0.10
266	10	-1.17	8.95	1.66e-04	0.0	0.0	0.78	1.13	-6.09	-0.26	8.95	-2.72
		-2.72	0.33	8.98e-04	0.0	71.0	0.78	1.13	-6.09	-0.26	4.64	-1.94
						142.0	0.78	1.13	-6.09	-0.26	0.33	-1.17
267	1	-3.84	0.18	-9.39e-04	-0.92	0.0	-3.74	7.55	0.31	-0.15	-0.26	-13.91
		-13.91	-0.26	8.67e-06	0.0	71.0	-3.74	7.09	0.31	-0.15	-0.04	-8.71
						142.0	-3.74	6.64	0.31	-0.15	0.18	-3.84
267	3	-9.36	0.25	-2.55e-03	-0.93	0.0	-8.85	19.11	0.28	-0.29	-0.14	-35.84
		-35.84	-0.14	2.21e-05	0.0	71.0	-8.85	18.65	0.28	-0.29	0.06	-22.44
						142.0	-8.85	18.18	0.28	-0.29	0.25	-9.36
267	4	0.10	5.27e-03	-1.34e-05	0.0	0.0	0.22	-1.51e-03	0.01	-2.55e-03	-0.01	0.10
		0.10	-0.01	-1.22e-06	0.0	71.0	0.22	-1.51e-03	0.01	-2.55e-03	-3.27e-03	0.10
						142.0	0.22	-1.51e-03	0.01	-2.55e-03	5.27e-03	0.10
267	10	-1.57	9.45	1.87e-04	0.0	0.0	-1.54	-1.56	-6.48	-0.20	9.45	-3.70
		-3.70	0.28	8.67e-04	0.0	71.0	-1.54	-1.56	-6.48	-0.20	4.86	-2.63
						142.0	-1.54	-1.56	-6.48	-0.20	0.28	-1.57
268	3	6.20	0.87	-6.94e-04	-0.93	0.0	-1.90	1.30	-0.63	-0.31	0.87	5.01
		5.01	-0.03	3.02e-05	0.0	71.0	-1.90	0.83	-0.63	-0.31	0.42	5.77
						142.0	-1.90	0.37	-0.63	-0.31	-0.03	6.20
268	7	-8.37	9.71	5.14e-04	0.0	0.0	5.71	4.24	-8.39	-0.16	9.71	-14.20
		-14.20	-2.22	-1.62e-04	0.0	71.0	5.71	4.24	-8.39	-0.16	3.75	-11.28
						142.0	5.71	4.24	-8.39	-0.16	-2.22	-8.37
268	10	17.49	10.90	1.16e-03	0.0	0.0	-1.24	-8.19	-9.67	0.44	10.90	17.49
		5.89	-2.84	8.00e-04	0.0	71.0	-1.24	-8.19	-9.67	0.44	4.03	11.69
						142.0	-1.24	-8.19	-9.67	0.44	-2.84	5.89
269	3	0.15	0.22	-9.20e-05	-2.27	0.0	0.48	0.0	0.15	0.05	0.0	0.15
		-1.55	0.0	-9.02e-05	0.0	75.0	0.48	-1.13	0.15	0.05	0.11	-0.27
						150.0	0.48	-2.27	0.15	0.05	0.22	-1.55
269	4	2.01e-03	0.0	-5.81e-06	0.0	0.0	6.29e-03	0.0	-3.84e-03	-1.23e-03	0.0	2.01e-03
		2.01e-03	-5.76e-03	0.0	0.0	75.0	6.29e-03	0.0	-3.84e-03	-1.23e-03	-2.88e-03	2.01e-03
						150.0	6.29e-03	0.0	-3.84e-03	-1.23e-03	-5.76e-03	2.01e-03
269	5	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	75.0	0.0	0.0	0.0	0.0	0.0	0.0
						150.0	0.0	0.0	0.0	0.0	0.0	0.0
269	7	1.27	0.80	1.08e-03	0.0	0.0	3.98	-0.44	0.54	0.17	0.0	1.27
		0.73	0.0	-6.70e-04	0.0	75.0	3.98	-0.44	0.54	0.17	0.40	1.00
						150.0	3.98	-0.44	0.54	0.17	0.80	0.73
269	10	0.27	2.12	1.39e-04	0.0	0.0	0.62	-0.27	1.41	0.45	0.0	0.20
		0.20	0.0	7.94e-05	0.0	75.0	0.62	-0.27	1.41	0.45	1.06	0.23
						150.0	0.62	-0.27	1.41	0.45	2.12	0.27
270	3	-0.22	1.91	1.75e-05	-1.33	0.0	6.57	-13.88	2.48	9.05	-0.58	-0.22
		-14.75	-0.58	-1.84e-05	0.0	49.9	6.57	-14.55	2.48	9.05	0.66	-7.32
						99.9	6.57	-15.21	2.48	9.05	1.91	-14.75
270	4	0.07	4.12e-03	1.04e-06	0.0	0.0	-0.58	-9.48e-03	-0.05	-0.03	4.12e-03	0.07
		0.06	-0.05	0.0	0.0	49.9	-0.58	-9.48e-03	-0.05	-0.03	-0.02	0.07
						99.9	-0.58	-9.48e-03	-0.05	-0.03	-0.05	0.06
270	7	107.01	2.66	3.79e-04	0.0	0.0	42.28	46.07	-2.67	-1.18	2.66	61.00
		61.00	0.13	2.46e-05	0.0	49.9	42.28	46.07	-2.67	-1.18	1.40	84.01
						99.9	42.28	46.07	-2.67	-1.18	0.13	107.01
270	9	-1.53	1.36	-3.09e-05	0.0	0.0	71.79	-3.77	8.39	4.59	-8.91	-1.53
		-4.14	-8.91	-1.92e-04	0.0	49.9	71.79	-3.77	8.39	4.59	-3.77	-2.83
						99.9	71.79	-3.77	8.39	4.59	1.36	-4.14
271	3	5.33	2.55	1.82e-05	-2.37	0.0	6.50	-24.69	-8.76	-13.68	2.55	5.33
		-19.50	-5.86	-4.08e-05	0.0	48.0	6.50	-25.87	-8.76	-13.68	-1.66	-6.80
						96.0	6.50	-27.06	-8.76	-13.68	-5.86	-19.50
271	5	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	48.0	0.0	0.0	0.0	0.0	0.0	0.0
						96.0	0.0	0.0	0.0	0.0	0.0	0.0
271	7	-16.30	4.70	1.45e-04	0.0	0.0	48.55	-13.43	-5.45	-32.13	4.70	-16.30
		-29.01	-1.38	-4.26e-04	0.0	48.0	48.55	-13.43	-5.45	-32.13	1.66	-22.65
						96.0	48.55	-13.43	-5.45	-32.13	-1.38	-29.01
271	10	85.10	2.01	3.82e-04	0.0	0.0	85.75	32.86	6.53	6.59	-4.26	53.63
		53.63	-4.26	-5.85e-05	0.0	48.0	85.75	32.86	6.53	6.59	-1.12	69.36

						96.0	85.75	32.86	6.53	6.59	2.01	85.10
272	3	-6.56	2.04	2.07e-05	-0.66	0.0	5.98	-19.62	3.52	6.70	0.28	-6.56
		-16.53	0.28	-2.53e-06	0.0	25.0	5.98	-19.95	3.52	6.70	1.16	-11.50
						50.0	5.98	-20.29	3.52	6.70	2.04	-16.53
272	4	0.61	-6.99e-03	-1.23e-06	0.0	0.0	-0.21	0.25	-0.09	-0.17	-6.99e-03	0.48
		0.48	-0.05	0.0	0.0	25.0	-0.21	0.25	-0.09	-0.17	-0.03	0.54
						50.0	-0.21	0.25	-0.09	-0.17	-0.05	0.61
272	7	86.36	1.71	2.57e-04	0.0	0.0	70.24	39.06	-5.33	-5.71	1.71	66.87
		66.87	-0.97	1.79e-05	0.0	25.0	70.24	39.06	-5.33	-5.71	0.37	76.62
						50.0	70.24	39.06	-5.33	-5.71	-0.97	86.36
272	10	-16.54	-5.19	3.39e-05	0.0	0.0	57.88	-11.54	4.02	23.88	-6.76	-16.54
		-22.12	-6.76	1.31e-04	0.0	25.0	57.88	-11.54	4.02	23.88	-5.98	-19.33
						50.0	57.88	-11.54	4.02	23.88	-5.19	-22.12
273	3	15.61	6.74	8.89e-05	-4.72	0.0	3.80	-15.81	-8.12	-17.13	6.74	15.61
		-19.27	-8.84	1.61e-04	0.0	96.0	3.80	-18.17	-8.12	-17.13	-1.05	-0.70
						192.0	3.80	-20.53	-8.12	-17.13	-8.84	-19.27
273	5	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	96.0	0.0	0.0	0.0	0.0	0.0	0.0
						192.0	0.0	0.0	0.0	0.0	0.0	0.0
273	7	-3.23	13.53	7.97e-05	0.0	0.0	72.85	-4.85	-10.38	-17.08	13.53	-3.23
		-11.86	-6.56	2.69e-04	0.0	96.0	72.85	-4.85	-10.38	-17.08	3.48	-7.54
						192.0	72.85	-4.85	-10.38	-17.08	-6.56	-11.86
273	8	-2.06	10.12	5.33e-05	0.0	0.0	74.49	-2.19	-6.98	-18.23	10.12	-2.06
		-4.75	-3.73	-3.15e-04	0.0	96.0	74.49	-2.19	-6.98	-18.23	3.19	-3.41
						192.0	74.49	-2.19	-6.98	-18.23	-3.73	-4.75
273	10	104.68	3.48	2.32e-04	0.0	0.0	43.51	44.52	4.05	1.43	-4.31	19.27
		19.27	-4.31	-6.57e-05	0.0	96.0	43.51	44.52	4.05	1.43	-0.42	61.97
						192.0	43.51	44.52	4.05	1.43	3.48	104.68
274	3	1.95	4.12	8.11e-05	-2.35	0.0	1.69	-29.77	-11.76	-37.99	4.12	1.95
		-27.41	-7.04	1.15e-04	0.0	47.5	1.69	-30.94	-11.76	-37.99	-1.46	-12.45
						94.9	1.69	-32.12	-11.76	-37.99	-7.04	-27.41
274	5	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	47.5	0.0	0.0	0.0	0.0	0.0	0.0
						94.9	0.0	0.0	0.0	0.0	0.0	0.0
274	7	-2.38	9.55	-6.84e-05	0.0	0.0	58.16	-4.40	-20.34	-21.11	9.55	-2.38
		-6.32	-9.75	6.07e-04	0.0	47.5	58.16	-4.40	-20.34	-21.11	-0.10	-4.35
						94.9	58.16	-4.40	-20.34	-21.11	-9.75	-6.32
274	8	1.91	10.99	-7.41e-05	0.0	0.0	66.27	-2.67	-19.47	-26.27	10.99	1.91
		-2.51	-7.56	4.30e-04	0.0	47.5	66.27	-2.67	-19.47	-26.27	1.71	-0.30
						94.9	66.27	-2.67	-19.47	-26.27	-7.56	-2.51
274	10	109.89	-1.26	3.07e-04	0.0	0.0	27.31	45.49	3.31	1.20	-4.39	66.72
		66.72	-4.39	-3.75e-05	0.0	47.5	27.31	45.49	3.31	1.20	-2.82	88.31
						94.9	27.31	45.49	3.31	1.20	-1.26	109.89
275	8	4.28	11.71	-4.94e-04	0.0	0.0	41.25	9.68	-7.31	11.40	11.71	-15.12
		-15.12	3.00	1.23e-03	0.0	96.5	41.25	9.68	-7.31	11.40	7.35	-5.42
						193.0	41.25	9.68	-7.31	11.40	3.00	4.28
275	9	12.23	8.01	9.58e-05	0.0	0.0	-41.75	27.63	6.96	7.20	-5.44	-41.44
		-41.44	-5.44	-2.22e-05	0.0	96.5	-41.75	27.63	6.96	7.20	1.29	-14.61
						193.0	-41.75	27.63	6.96	7.20	8.01	12.23
275	10	12.71	7.71	9.59e-05	0.0	0.0	-53.33	34.92	6.75	7.90	-5.33	-54.94
		-54.94	-5.33	-1.13e-04	0.0	96.5	-53.33	34.92	6.75	7.90	1.19	-21.12
						193.0	-53.33	34.92	6.75	7.90	7.71	12.71
276	3	-6.83	-0.19	2.24e-05	-0.66	0.0	5.89	-19.96	-3.59	-6.57	-0.19	-6.83
		-16.95	-1.98	2.51e-06	0.0	24.9	5.89	-20.29	-3.59	-6.57	-1.08	-11.85
						49.9	5.89	-20.63	-3.59	-6.57	-1.98	-16.95
276	8	86.34	0.91	2.57e-04	0.0	0.0	70.55	39.03	5.44	5.64	-1.81	66.89
		66.89	-1.81	-1.80e-05	0.0	24.9	70.55	39.03	5.44	5.64	-0.45	76.61
						49.9	70.55	39.03	5.44	5.64	0.91	86.34
276	9	11.91	-4.93	-3.76e-05	0.0	0.0	-59.86	6.98	1.99	21.51	-4.93	8.77
		8.77	-5.03	2.40e-04	0.0	24.9	-59.86	6.98	1.99	21.51	-4.98	10.34
						49.9	-59.86	6.98	1.99	21.51	-5.03	11.91
276	10	22.22	-5.16	-3.29e-05	0.0	0.0	-56.99	11.61	3.88	23.83	-6.65	16.62
		16.62	-6.65	1.31e-04	0.0	24.9	-56.99	11.61	3.88	23.83	-5.90	19.42
						49.9	-56.99	11.61	3.88	23.83	-5.16	22.22
277	3	6.29	0.85	-2.86e-05	-1.89	0.0	7.00	5.99	0.37	2.86	0.32	-0.87
		-0.87	0.32	-1.63e-05	0.0	71.0	7.00	5.04	0.37	2.86	0.59	3.05
						142.0	7.00	4.10	0.37	2.86	0.85	6.29
277	8	-1.13	2.70	4.05e-05	0.0	0.0	-15.60	45.35	3.64	0.56	-2.47	-65.54
		-65.54	-2.47	-2.34e-05	0.0	71.0	-15.60	45.35	3.64	0.56	0.12	-33.33
						142.0	-15.60	45.35	3.64	0.56	2.70	-1.13
277	9	6.70	-5.49	-6.20e-06	0.0	0.0	-69.19	-2.70	-2.99	-1.98	-5.49	6.70
		3.96	-9.73	4.01e-04	0.0	71.0	-69.19	-2.70	-2.99	-1.98	-7.61	5.33
						142.0	-69.19	-2.70	-2.99	-1.98	-9.73	3.96
277	10	3.97	-7.49	-3.70e-05	0.0	0.0	-72.55	2.67	-1.08	-1.55	-7.49	1.60
		1.60	-8.98	5.54e-05	0.0	71.0	-72.55	2.67	-1.08	-1.55	-8.23	2.78
						142.0	-72.55	2.67	-1.08	-1.55	-8.98	3.97
278	3	8.91	-0.28	4.47e-05	-4.77	0.0	4.34	4.31	1.10	18.57	-2.40	5.16

		5.16	-2.40	-1.56e-04	0.0	96.5	4.34	1.92	1.10	18.57	-1.34	8.17
						193.0	4.34	-0.46	1.10	18.57	-0.28	8.87
278	8	15.13	11.63	4.92e-04	0.0	0.0	-40.64	-9.71	-7.22	11.41	11.63	15.13
		-4.31	2.92	1.23e-03	0.0	96.5	-40.64	-9.71	-7.22	11.41	7.28	5.41
						193.0	-40.64	-9.71	-7.22	11.41	2.92	-4.31
278	9	12.69	5.28	9.52e-05	0.0	0.0	-53.52	34.98	-6.66	-7.92	5.28	-55.08
		-55.08	-7.58	1.15e-04	0.0	96.5	-53.52	34.98	-6.66	-7.92	-1.15	-21.19
						193.0	-53.52	34.98	-6.66	-7.92	-7.58	12.69
278	10	12.22	5.39	9.44e-05	0.0	0.0	-42.01	27.70	-6.88	-7.22	5.39	-41.58
		-41.58	-7.90	2.10e-05	0.0	96.5	-42.01	27.70	-6.88	-7.22	-1.25	-14.68
						193.0	-42.01	27.70	-6.88	-7.22	-7.90	12.22
279	3	1.97	7.07	8.11e-05	-2.35	0.0	1.65	-29.73	11.76	37.99	-4.09	1.97
		-27.35	-4.09	-1.15e-04	0.0	47.5	1.65	-30.90	11.76	37.99	1.49	-12.41
						94.9	1.65	-32.07	11.76	37.99	7.07	-27.35
279	7	6.32	9.47	6.78e-05	0.0	0.0	-57.64	4.39	-20.28	-21.13	9.47	2.39
		2.39	-9.77	6.07e-04	0.0	47.5	-57.64	4.39	-20.28	-21.13	-0.15	4.36
						94.9	-57.64	4.39	-20.28	-21.13	-9.77	6.32
279	8	2.51	10.92	7.33e-05	0.0	0.0	-65.54	2.65	-19.42	-26.29	10.92	-1.94
		-1.94	-7.58	4.31e-04	0.0	47.5	-65.54	2.65	-19.42	-26.29	1.67	0.29
						94.9	-65.54	2.65	-19.42	-26.29	-7.58	2.51
279	9	110.07	4.34	3.08e-04	0.0	0.0	27.37	45.56	-3.26	-1.20	4.34	66.84
		66.84	1.26	3.81e-05	0.0	47.5	27.37	45.56	-3.26	-1.20	2.80	88.46
						94.9	27.37	45.56	-3.26	-1.20	1.26	110.07
280	3	15.59	8.85	9.01e-05	-4.72	0.0	3.78	-15.83	8.11	17.13	-6.72	15.59
		-19.32	-6.72	-1.62e-04	0.0	96.0	3.78	-18.18	8.11	17.13	1.06	-0.74
						192.0	3.78	-20.54	8.11	17.13	8.85	-19.32
280	7	11.85	13.50	-8.04e-05	0.0	0.0	-71.92	4.86	-10.35	-17.10	13.50	3.19
		3.19	-6.54	2.69e-04	0.0	96.0	-71.92	4.86	-10.35	-17.10	3.48	7.52
						192.0	-71.92	4.86	-10.35	-17.10	-6.54	11.85
280	8	4.71	10.12	-5.41e-05	0.0	0.0	-73.63	2.18	-6.99	-18.24	10.12	2.01
		2.01	-3.73	-3.15e-04	0.0	96.0	-73.63	2.18	-6.99	-18.24	3.19	3.36
						192.0	-73.63	2.18	-6.99	-18.24	-3.73	4.71
280	9	104.87	4.25	2.33e-04	0.0	0.0	43.69	44.58	-4.03	-1.43	4.25	19.33
		19.33	-3.48	6.84e-05	0.0	96.0	43.69	44.58	-4.03	-1.43	0.38	62.10
						192.0	43.69	44.58	-4.03	-1.43	-3.48	104.87
281	3	5.15	5.88	1.92e-05	-2.37	0.0	6.36	-24.62	8.77	13.68	-2.54	5.15
		-19.63	-2.54	4.03e-05	0.0	48.0	6.36	-25.81	8.77	13.68	1.67	-6.95
						96.0	6.36	-27.00	8.77	13.68	5.88	-19.63
281	8	18.25	2.08	-1.29e-04	0.0	0.0	-50.38	9.26	-2.90	-27.93	2.08	9.58
		9.58	-0.72	-5.70e-04	0.0	48.0	-50.38	9.26	-2.90	-27.93	0.68	13.91
						96.0	-50.38	9.26	-2.90	-27.93	-0.72	18.25
281	9	85.29	4.23	3.83e-04	0.0	0.0	86.26	32.92	-6.51	-6.63	4.23	53.74
		53.74	-2.02	5.89e-05	0.0	48.0	86.26	32.92	-6.51	-6.63	1.10	69.51
						96.0	86.26	32.92	-6.51	-6.63	-2.02	85.29
282	1	7.66	1.75	9.11e-05	-6.83	0.0	-0.27	-3.72	1.43	1.63	-0.42	7.66
		-3.16	-0.42	-1.07e-05	0.0	75.9	-0.27	-7.13	1.43	1.63	0.67	3.54
						151.8	-0.27	-10.55	1.43	1.63	1.75	-3.16
282	4	-0.14	0.04	7.83e-06	0.0	0.0	-0.29	-0.22	-0.02	0.08	0.04	-0.14
		-0.48	0.01	1.38e-06	0.0	75.9	-0.29	-0.22	-0.02	0.08	0.03	-0.31
						151.8	-0.29	-0.22	-0.02	0.08	0.01	-0.48
282	7	93.12	0.43	5.92e-04	0.0	0.0	13.06	38.65	-14.39	0.90	0.43	34.53
		34.53	-21.47	-1.26e-04	0.0	75.9	13.06	38.65	-14.39	0.90	-10.52	63.83
						151.8	13.06	38.65	-14.39	0.90	-21.47	93.12
282	9	12.28	22.04	-1.98e-04	0.0	0.0	28.31	4.70	15.95	-12.73	-2.31	6.35
		6.35	-2.31	-8.25e-04	0.0	75.9	28.31	4.70	15.95	-12.73	9.86	9.31
						151.8	28.31	4.70	15.95	-12.73	22.04	12.28
283	4	0.10	9.84e-03	0.0	0.0	0.0	-0.55	-0.02	4.91e-04	-9.68e-03	9.14e-03	0.10
		0.07	9.14e-03	0.0	0.0	71.0	-0.55	-0.02	4.91e-04	-9.68e-03	9.49e-03	0.09
						142.0	-0.55	-0.02	4.91e-04	-9.68e-03	9.84e-03	0.07
283	7	62.05	2.65	-6.65e-05	0.0	0.0	13.71	45.31	-3.58	-0.58	2.65	-2.30
		-2.30	-2.44	2.69e-05	0.0	71.0	13.71	45.31	-3.58	-0.58	0.10	29.88
						142.0	13.71	45.31	-3.58	-0.58	-2.44	62.05
283	9	-1.62	-7.55	-3.56e-05	0.0	0.0	73.53	2.66	1.20	1.49	-9.22	-4.13
		-4.13	-9.22	5.51e-05	0.0	71.0	73.53	2.66	1.20	1.49	-8.39	-2.88
						142.0	73.53	2.66	1.20	1.49	-7.55	-1.62
283	10	-3.84	-5.66	1.10e-05	0.0	0.0	70.63	-2.61	3.11	1.74	-10.07	-3.84
		-6.50	-10.07	-3.74e-04	0.0	71.0	70.63	-2.61	3.11	1.74	-7.86	-5.17
						142.0	70.63	-2.61	3.11	1.74	-5.66	-6.50
284	5	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	96.5	0.0	0.0	0.0	0.0	0.0	0.0
						193.0	0.0	0.0	0.0	0.0	0.0	0.0
284	7	4.19	11.62	4.92e-04	0.0	0.0	41.40	-9.74	7.24	-11.52	2.96	4.19
		-15.34	2.96	-1.22e-03	0.0	96.5	41.40	-9.74	7.24	-11.52	7.29	-5.57
						193.0	41.40	-9.74	7.24	-11.52	11.62	-15.34
284	9	41.89	5.42	1.01e-04	0.0	0.0	41.73	27.72	6.95	7.21	-8.00	-11.97
		-11.97	-8.00	1.83e-05	0.0	96.5	41.73	27.72	6.95	7.21	-1.29	14.96
						193.0	41.73	27.72	6.95	7.21	5.42	41.89

284	10	55.51	5.32	8.58e-05	0.0	0.0	53.06	35.03	6.74	7.92	-7.71	-12.37
		-12.37	-7.71	-1.13e-04	0.0	96.5	53.06	35.03	6.74	7.92	-1.19	21.57
						193.0	53.06	35.03	6.74	7.92	5.32	55.51
285	4	0.48	0.02	-6.71e-06	0.0	0.0	-0.22	0.22	-0.02	-0.13	0.02	0.17
		0.17	-8.80e-03	0.0	0.0	71.0	-0.22	0.22	-0.02	-0.13	6.02e-03	0.33
						142.0	-0.22	0.22	-0.02	-0.13	-8.80e-03	0.48
285	7	67.85	1.84	2.99e-04	0.0	0.0	42.80	38.18	-3.62	-3.32	1.84	13.75
		13.75	-3.30	7.84e-05	0.0	71.0	42.80	38.18	-3.62	-3.32	-0.73	40.80
						142.0	42.80	38.18	-3.62	-3.32	-3.30	67.85
285	10	-4.72	-6.40	1.97e-04	0.0	0.0	51.11	-8.41	-1.74	19.45	-6.40	-4.72
		-15.95	-8.55	6.03e-04	0.0	71.0	51.11	-8.41	-1.74	19.45	-7.47	-10.33
						142.0	51.11	-8.41	-1.74	19.45	-8.55	-15.95
286	5	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	96.5	0.0	0.0	0.0	0.0	0.0	0.0
						193.0	0.0	0.0	0.0	0.0	0.0	0.0
286	7	1.08	13.25	1.54e-04	0.0	0.0	71.23	-2.10	4.68	3.06	4.25	1.08
		-3.33	4.25	-4.61e-04	0.0	96.5	71.23	-2.10	4.68	3.06	8.75	-1.12
						193.0	71.23	-2.10	4.68	3.06	13.25	-3.33
286	8	-1.74	13.33	9.44e-05	0.0	0.0	67.60	1.36	6.56	1.29	1.24	-3.56
		-3.56	1.24	-9.52e-04	0.0	96.5	67.60	1.36	6.56	1.29	7.28	-2.65
						193.0	67.60	1.36	6.56	1.29	13.33	-1.74
286	10	21.37	4.83	-1.67e-04	0.0	0.0	6.70	45.98	4.69	2.34	-4.24	-67.40
		-67.40	-4.24	-6.84e-05	0.0	96.5	6.70	45.98	4.69	2.34	0.30	-23.02
						193.0	6.70	45.98	4.69	2.34	4.83	21.37
287	7	-1.74	13.40	-9.41e-05	0.0	0.0	67.55	-1.41	-6.68	-1.41	13.40	-1.74
		-3.65	1.13	9.54e-04	0.0	96.5	67.55	-1.41	-6.68	-1.41	7.27	-2.70
						193.0	67.55	-1.41	-6.68	-1.41	1.13	-3.65
287	8	1.06	13.33	-1.53e-04	0.0	0.0	71.18	2.06	-4.82	-3.25	13.33	-3.27
		-3.27	4.06	4.63e-04	0.0	96.5	71.18	2.06	-4.82	-3.25	8.70	-1.10
						193.0	71.18	2.06	-4.82	-3.25	4.06	1.06
287	10	68.40	4.22	-1.86e-04	0.0	0.0	-7.01	46.00	4.68	2.30	-4.82	-20.41
		-20.41	-4.82	-6.79e-05	0.0	96.5	-7.01	46.00	4.68	2.30	-0.30	24.00
						193.0	-7.01	46.00	4.68	2.30	4.22	68.40
288	3	7.86	0.87	8.69e-05	-1.89	0.0	5.22	-9.44	-0.78	0.51	0.87	7.86
		-6.88	-0.24	8.22e-06	0.0	71.0	5.22	-10.38	-0.78	0.51	0.31	0.82
						142.0	5.22	-11.33	-0.78	0.51	-0.24	-6.88
288	8	67.87	3.35	3.01e-04	0.0	0.0	43.13	38.15	3.82	3.33	-2.07	13.80
		13.80	-2.07	-7.72e-05	0.0	71.0	43.13	38.15	3.82	3.33	0.64	40.84
						142.0	43.13	38.15	3.82	3.33	3.35	67.87
288	10	16.00	-5.85	-1.97e-04	0.0	0.0	-50.29	8.48	-2.22	19.44	-5.85	4.71
		4.71	-8.78	6.03e-04	0.0	71.0	-50.29	8.48	-2.22	19.44	-7.32	10.36
						142.0	-50.29	8.48	-2.22	19.44	-8.78	16.00
289	3	15.35	-1.90	1.08e-04	-4.77	0.0	2.91	-4.68	1.74	8.48	-5.27	15.35
		1.70	-5.27	-8.97e-05	0.0	96.5	2.91	-7.07	1.74	8.48	-3.58	9.68
						193.0	2.91	-9.45	1.74	8.48	-1.90	1.70
289	7	3.58	13.36	9.36e-05	0.0	0.0	-66.76	1.39	-6.62	-1.42	13.36	1.72
		1.72	1.17	9.54e-04	0.0	96.5	-66.76	1.39	-6.62	-1.42	7.26	2.65
						193.0	-66.76	1.39	-6.62	-1.42	1.17	3.58
289	8	3.23	13.32	1.53e-04	0.0	0.0	-70.23	-2.08	-4.79	-3.26	13.32	3.23
		-1.12	4.12	4.63e-04	0.0	96.5	-70.23	-2.08	-4.79	-3.26	8.72	1.05
						193.0	-70.23	-2.08	-4.79	-3.26	4.12	-1.12
289	9	68.51	4.75	-1.86e-04	0.0	0.0	-6.95	46.07	-4.62	-2.30	4.75	-20.44
		-20.44	-4.17	6.99e-05	0.0	96.5	-6.95	46.07	-4.62	-2.30	0.29	24.03
						193.0	-6.95	46.07	-4.62	-2.30	-4.17	68.51
290	3	15.25	-2.00	-1.06e-04	-4.77	0.0	2.91	9.18	-1.67	-8.21	-2.00	2.14
		2.14	-5.21	9.56e-05	0.0	96.5	2.91	6.79	-1.67	-8.21	-3.61	9.85
						193.0	2.91	4.41	-1.67	-8.21	-5.21	15.25
290	7	3.26	13.26	-1.54e-04	0.0	0.0	-70.18	2.09	4.67	3.08	4.28	-1.10
		-1.10	4.28	-4.61e-04	0.0	96.5	-70.18	2.09	4.67	3.08	8.77	1.08
						193.0	-70.18	2.09	4.67	3.08	13.26	3.26
290	8	3.55	13.31	-9.40e-05	0.0	0.0	-66.75	-1.38	6.52	1.30	1.26	3.55
		1.69	1.26	-9.52e-04	0.0	96.5	-66.75	-1.38	6.52	1.30	7.29	2.62
						193.0	-66.75	-1.38	6.52	1.30	13.31	1.69
290	9	21.37	4.20	-1.68e-04	0.0	0.0	7.02	46.04	-4.63	-2.34	4.20	-67.53
		-67.53	-4.75	6.97e-05	0.0	96.5	7.02	46.04	-4.63	-2.34	-0.28	-23.08
						193.0	7.02	46.04	-4.63	-2.34	-4.75	21.37
291	7	15.32	11.56	-4.91e-04	0.0	0.0	-40.57	9.74	7.17	-11.51	2.89	-4.17
		-4.17	2.89	-1.22e-03	0.0	96.5	-40.57	9.74	7.17	-11.51	7.23	5.57
						193.0	-40.57	9.74	7.17	-11.51	11.56	15.32
291	9	55.61	7.59	8.56e-05	0.0	0.0	53.49	35.09	-6.66	-7.95	7.59	-12.39
		-12.39	-5.27	1.14e-04	0.0	96.5	53.49	35.09	-6.66	-7.95	1.16	21.61
						193.0	53.49	35.09	-6.66	-7.95	-5.27	55.61
291	10	41.99	7.91	1.00e-04	0.0	0.0	41.97	27.80	-6.88	-7.25	7.91	-12.00
		-12.00	-5.38	-1.79e-05	0.0	96.5	41.97	27.80	-6.88	-7.25	1.26	14.99
						193.0	41.97	27.80	-6.88	-7.25	-5.38	41.99
292	7	35.66	3.41	1.25e-04	0.0	0.0	-15.49	37.82	-5.96	-0.90	3.41	-18.15
		-18.15	-5.06	8.49e-05	0.0	71.0	-15.49	37.82	-5.96	-0.90	-0.83	8.76

						142.0	-15.49	37.82	-5.96	-0.90	-5.06	35.66
292	9	5.32	2.79	-2.45e-04	0.0	0.0	40.92	6.30	9.06	-16.58	-10.22	-4.48
		-4.48	-10.22	-8.72e-04	0.0	71.0	40.92	6.30	9.06	-16.58	-3.71	0.42
						142.0	40.92	6.30	9.06	-16.58	2.79	5.32
292	10	2.43	5.35	-1.87e-04	0.0	0.0	36.09	2.17	9.04	-16.27	-7.60	-2.84
		-2.84	-7.60	-1.03e-03	0.0	71.0	36.09	2.17	9.04	-16.27	-1.12	-0.21
						142.0	36.09	2.17	9.04	-16.27	5.35	2.43
293	1	9.69	0.73	1.51e-04	-8.68	0.0	0.78	-1.95	-1.34	-3.79	0.73	9.69
		-2.42	-1.86	6.73e-05	0.0	96.4	0.78	-6.28	-1.34	-3.79	-0.57	5.73
						192.8	0.78	-10.62	-1.34	-3.79	-1.86	-2.42
293	8	11.59	9.94	-4.35e-04	0.0	0.0	28.95	3.31	-18.53	-4.38	9.94	6.33
		6.33	-25.86	1.25e-03	0.0	96.4	28.95	3.31	-18.53	-4.38	-7.96	8.96
						192.8	28.95	3.31	-18.53	-4.38	-25.86	11.59
293	10	64.53	16.13	2.62e-04	0.0	0.0	-16.80	28.91	10.07	-10.00	-3.32	9.26
		9.26	-3.32	1.36e-04	0.0	96.4	-16.80	28.91	10.07	-10.00	6.40	36.89
						192.8	-16.80	28.91	10.07	-10.00	16.13	64.53
294	3	-0.16	0.60	1.94e-05	-1.33	0.0	6.58	-13.84	-2.51	-9.00	0.60	-0.16
		-14.64	-1.91	1.84e-05	0.0	49.9	6.58	-14.51	-2.51	-9.00	-0.65	-7.24
						99.8	6.58	-15.17	-2.51	-9.00	-1.91	-14.64
294	8	107.04	-0.13	3.77e-04	0.0	0.0	42.79	46.09	2.74	1.12	-2.70	61.05
		61.05	-2.70	-2.49e-05	0.0	49.9	42.79	46.09	2.74	1.12	-1.41	84.05
						99.8	42.79	46.09	2.74	1.12	-0.13	107.04
294	9	4.14	1.39	3.18e-05	0.0	0.0	-70.88	3.76	8.21	4.57	-8.83	1.53
		1.53	-8.83	-1.92e-04	0.0	49.9	-70.88	3.76	8.21	4.57	-3.72	2.83
						99.8	-70.88	3.76	8.21	4.57	1.39	4.14
294	10	9.60	2.15	3.30e-05	0.0	0.0	-62.26	4.66	10.44	4.33	-8.39	5.95
		5.95	-8.39	-4.36e-04	0.0	49.9	-62.26	4.66	10.44	4.33	-3.12	7.77
						99.8	-62.26	4.66	10.44	4.33	2.15	9.60
295	3	8.77	4.48	2.05e-04	-4.76	0.0	2.76	-2.91	3.10	11.95	-1.50	8.77
		-1.43	-1.50	-1.79e-04	0.0	96.4	2.76	-5.29	3.10	11.95	1.49	4.82
						192.9	2.76	-7.67	3.10	11.95	4.48	-1.43
295	8	-6.25	9.89	4.32e-04	0.0	0.0	-28.67	-3.38	-18.45	-4.39	9.89	-6.25
		-11.65	-25.78	1.26e-03	0.0	96.4	-28.67	-3.38	-18.45	-4.39	-7.95	-8.95
						192.9	-28.67	-3.38	-18.45	-4.39	-25.78	-11.65
295	9	64.83	3.32	2.61e-04	0.0	0.0	-17.25	28.98	-10.15	10.05	3.32	9.40
		9.40	-16.27	-1.33e-04	0.0	96.4	-17.25	28.98	-10.15	10.05	-6.48	37.12
						192.9	-17.25	28.98	-10.15	10.05	-16.27	64.83
296	3	6.30	-0.31	-3.08e-05	-1.89	0.0	7.05	5.94	-0.42	-2.82	-0.31	-0.80
		-0.80	-0.90	1.79e-05	0.0	71.0	7.05	5.00	-0.42	-2.82	-0.60	3.09
						142.0	7.05	4.05	-0.42	-2.82	-0.90	6.30
296	7	-1.15	2.41	4.16e-05	0.0	0.0	-15.97	45.33	-3.56	-0.55	2.41	-65.53
		-65.53	-2.64	2.65e-05	0.0	71.0	-15.97	45.33	-3.56	-0.55	-0.11	-33.34
						142.0	-15.97	45.33	-3.56	-0.55	-2.64	-1.15
296	9	-3.97	-5.57	5.83e-06	0.0	0.0	70.10	2.71	-2.87	-1.98	-5.57	-6.71
		-6.71	-9.63	4.03e-04	0.0	71.0	70.10	2.71	-2.87	-1.98	-7.60	-5.34
						142.0	70.10	2.71	-2.87	-1.98	-9.63	-3.97
296	10	-1.60	-7.60	3.62e-05	0.0	0.0	73.58	-2.68	-0.94	-1.58	-7.60	-1.60
		-3.97	-8.88	5.60e-05	0.0	71.0	73.58	-2.68	-0.94	-1.58	-8.24	-2.79
						142.0	73.58	-2.68	-0.94	-1.58	-8.88	-3.97
297	4	0.17	0.02	-8.67e-06	0.0	0.0	-0.24	0.20	-3.13e-03	-0.10	0.02	-0.12
		-0.12	0.02	0.0	0.0	71.0	-0.24	0.20	-3.13e-03	-0.10	0.02	0.02
						142.0	-0.24	0.20	-3.13e-03	-0.10	0.02	0.17
297	7	14.89	6.19	1.36e-04	0.0	0.0	12.74	38.05	-6.92	-0.81	6.19	-39.24
		-39.24	-3.63	8.62e-05	0.0	71.0	12.74	38.05	-6.92	-0.81	1.28	-12.18
						142.0	12.74	38.05	-6.92	-0.81	-3.63	14.89
297	9	2.11	6.84	1.87e-04	0.0	0.0	34.50	-1.97	-9.94	16.21	6.84	2.11
		-2.61	-7.38	1.04e-03	0.0	71.0	34.50	-1.97	-9.94	16.21	-0.27	-0.25
						142.0	34.50	-1.97	-9.94	16.21	-7.38	-2.61
297	10	5.41	4.29	2.43e-04	0.0	0.0	39.69	-6.03	-9.89	16.52	4.29	5.41
		-3.89	-9.86	8.89e-04	0.0	71.0	39.69	-6.03	-9.89	16.52	-2.78	0.76
						142.0	39.69	-6.03	-9.89	16.52	-9.86	-3.89
298	8	14.95	3.51	1.36e-04	0.0	0.0	13.52	38.03	6.53	0.80	-5.77	-39.17
		-39.17	-5.77	-8.28e-05	0.0	71.0	13.52	38.03	6.53	0.80	-1.13	-12.11
						142.0	13.52	38.03	6.53	0.80	3.51	14.95
298	9	2.64	6.26	-1.87e-04	0.0	0.0	-34.76	2.00	-9.37	16.24	6.26	-2.24
		-2.24	-7.14	1.04e-03	0.0	71.0	-34.76	2.00	-9.37	16.24	-0.44	0.20
						142.0	-34.76	2.00	-9.37	16.24	-7.14	2.64
298	10	3.89	3.76	-2.44e-04	0.0	0.0	-39.61	6.08	-9.36	16.56	3.76	-5.53
		-5.53	-9.64	8.82e-04	0.0	71.0	-39.61	6.08	-9.36	16.56	-2.94	-0.82
						142.0	-39.61	6.08	-9.36	16.56	-9.64	3.89
299	3	7.60	0.47	-9.34e-05	-1.89	0.0	5.13	12.20	-0.99	0.34	0.47	-8.39
		-8.39	-0.93	9.68e-06	0.0	71.0	5.13	11.26	-0.99	0.34	-0.23	-0.06
						142.0	5.13	10.31	-0.99	0.34	-0.93	7.60
299	7	-17.01	3.38	3.26e-04	0.0	0.0	-45.16	38.01	-3.82	-3.51	3.38	-70.88
		-70.88	-2.06	7.55e-05	0.0	71.0	-45.16	38.01	-3.82	-3.51	0.66	-43.95
						142.0	-45.16	38.01	-3.82	-3.51	-2.06	-17.01
299	9	-5.30	-6.22	-1.92e-04	0.0	0.0	51.71	8.77	1.92	-19.52	-8.61	-16.98

		-16.98	-8.61	-5.72e-04	0.0	71.0	51.71	8.77	1.92	-19.52	-7.42	-11.14
						142.0	51.71	8.77	1.92	-19.52	-6.22	-5.30
300	8	62.10	2.51	-6.45e-05	0.0	0.0	14.14	45.33	3.67	0.57	-2.70	-2.28
		-2.28	-2.70	-3.23e-05	0.0	71.0	14.14	45.33	3.67	0.57	-0.10	29.91
						142.0	14.14	45.33	3.67	0.57	2.51	62.10
300	9	4.12	-7.83	3.47e-05	0.0	0.0	-72.49	-2.66	0.75	1.48	-8.86	4.12
		1.62	-8.86	5.57e-05	0.0	71.0	-72.49	-2.66	0.75	1.48	-8.34	2.87
						142.0	-72.49	-2.66	0.75	1.48	-7.83	1.62
300	10	6.49	-5.92	-1.14e-05	0.0	0.0	-69.63	2.61	2.67	1.76	-9.71	3.84
		3.84	-9.71	-3.72e-04	0.0	71.0	-69.63	2.61	2.67	1.76	-7.82	5.17
						142.0	-69.63	2.61	2.67	1.76	-5.92	6.49
301	3	10.42	0.72	9.79e-05	-2.35	0.0	2.50	-4.01	-3.21	-5.88	0.72	10.42
		2.56	-4.16	2.03e-05	0.0	75.9	2.50	-5.18	-3.21	-5.88	-1.72	6.94
						151.7	2.50	-6.36	-3.21	-5.88	-4.16	2.56
301	8	93.12	21.47	5.92e-04	0.0	0.0	13.16	38.60	14.39	-0.87	-0.40	34.63
		34.63	-0.40	1.27e-04	0.0	75.9	13.16	38.60	14.39	-0.87	10.53	63.88
						151.7	13.16	38.60	14.39	-0.87	21.47	93.12
301	9	-6.16	22.07	1.98e-04	0.0	0.0	-28.33	-4.70	16.06	-12.68	-2.42	-6.16
		-12.26	-2.42	-8.23e-04	0.0	75.9	-28.33	-4.70	16.06	-12.68	9.82	-9.21
						151.7	-28.33	-4.70	16.06	-12.68	22.07	-12.26
302	3	10.47	0.94	-2.44e-05	-1.89	0.0	4.12	3.15	-0.39	-4.31	0.94	7.34
		7.34	0.38	1.94e-05	0.0	71.0	4.12	2.21	-0.39	-4.31	0.66	9.24
						142.0	4.12	1.26	-0.39	-4.31	0.38	10.47
302	7	25.94	5.48	1.18e-04	0.0	0.0	-9.29	27.26	6.11	0.65	-3.20	-12.91
		-12.91	-3.20	-1.27e-04	0.0	71.0	-9.29	27.26	6.11	0.65	1.14	6.52
						142.0	-9.29	27.26	6.11	0.65	5.48	25.94
302	8	35.77	5.14	1.24e-04	0.0	0.0	-15.05	37.88	6.08	0.89	-3.50	-18.11
		-18.11	-3.50	-8.54e-05	0.0	71.0	-15.05	37.88	6.08	0.89	0.82	8.83
						142.0	-15.05	37.88	6.08	0.89	5.14	35.77
302	9	4.47	2.69	2.44e-04	0.0	0.0	-40.43	-6.22	8.76	-16.67	-9.90	4.47
		-5.12	-9.90	-8.70e-04	0.0	71.0	-40.43	-6.22	8.76	-16.67	-3.61	-0.33
						142.0	-40.43	-6.22	8.76	-16.67	2.69	-5.12
303	3	7.40	0.87	-8.80e-05	-1.89	0.0	5.24	11.86	0.90	-0.18	-0.41	-8.10
		-8.10	-0.41	-8.94e-06	0.0	71.0	5.24	10.92	0.90	-0.18	0.23	-0.01
						141.9	5.24	9.98	0.90	-0.18	0.87	7.40
303	8	-16.97	2.07	3.25e-04	0.0	0.0	-44.70	38.06	3.84	3.49	-3.39	-70.89
		-70.89	-3.39	-7.53e-05	0.0	71.0	-44.70	38.06	3.84	3.49	-0.66	-43.93
						141.9	-44.70	38.06	3.84	3.49	2.07	-16.97
303	9	16.87	-6.23	1.90e-04	0.0	0.0	-50.87	-8.64	1.83	-19.54	-8.53	16.87
		5.30	-8.53	-5.74e-04	0.0	71.0	-50.87	-8.64	1.83	-19.54	-7.38	11.08
						141.9	-50.87	-8.64	1.83	-19.54	-6.23	5.30

Trave	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-110.00	-25.86	-8.64e-03	-8.69	-86.32	-32.12	-20.34	-37.99
	110.07	22.07	8.67e-03	0.0	86.26	46.09	20.19	37.99

Trave f.	**CDC**	**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
29	3	36.71	6.36	-1.98e-04	-9.39	0.0	5.14	-11.37	-0.88	17.97	6.36	-8.73
		-16.73	2.13	-2.23e-05		241.0	5.14	8.81	-0.88	18.48	4.25	-12.37
						482.1	5.14	32.58	-0.88	19.59	2.13	36.71
29	7	-1.38	65.98	1.05e-03	18.87	0.0	13.91	-59.12	-25.25	43.21	65.98	-30.75
		-67.04	-55.74	4.92e-04		241.0	13.91	-16.37	-25.25	46.26	5.12	-55.95
						482.1	13.91	-8.45	-25.25	50.79	-55.74	-63.02
29	8	-3.95	50.57	-8.08e-04	14.87	0.0	15.58	-44.17	-20.14	43.00	50.57	-19.71
		-48.03	-46.58	2.87e-04		241.0	15.58	-10.36	-20.14	45.55	2.00	-42.72
						482.1	15.58	-9.79	-20.14	49.57	-46.58	-41.52
29	9	-4.67	4.16	1.45e-03	11.90	0.0	-60.09	-14.57	12.00	10.61	-53.82	-100.84
		-100.84	-53.82	7.31e-05		241.0	-60.09	-42.74	12.00	9.92	-24.83	-29.86
						482.1	-60.09	-60.49	12.00	9.55	4.16	-96.88
30	1	22.13	2.48	2.53e-05	-21.50	0.0	3.41	-16.07	1.48	-1.85	-4.59	-0.93
		-15.52	-4.59	-1.59e-05		237.9	3.41	4.78	1.48	-1.89	-1.05	-14.28
						475.8	3.41	25.98	1.48	-1.97	2.48	22.13
30	8	-9.13	61.46	1.94e-03	17.51	0.0	-46.92	-19.34	-10.46	16.08	61.46	-157.18
		-157.18	11.71	-1.23e-04		237.9	-46.92	-52.67	-10.46	15.35	36.58	-67.48
						475.8	-46.92	-69.56	-10.46	14.96	11.71	-80.73
30	9	-3.67	40.61	5.53e-04	10.82	0.0	23.33	-33.37	18.85	44.17	-49.11	-20.82
		-40.75	-49.11	-1.76e-04		237.9	23.33	-11.46	18.85	45.42	-4.25	-30.69
						475.8	23.33	-5.92	18.85	47.69	40.61	-40.46
30	10	-3.54	39.89	6.44e-04	12.23	0.0	20.21	-42.23	20.47	45.42	-57.53	-36.50
		-52.98	-57.53	-3.58e-04		237.9	20.21	-17.14	20.47	46.74	-8.82	-31.96
						475.8	20.21	-5.71	20.47	49.12	39.89	-52.98
31	3	37.79	-2.16	2.15e-04	-9.33	0.0	5.29	-10.54	0.87	-18.11	-6.34	-9.24
		-16.33	-6.34	2.26e-05		241.0	5.29	9.10	0.87	-18.61	-4.25	-11.61
						482.0	5.29	32.60	0.87	-19.70	-2.16	37.79
31	7	-1.38	66.00	2.12e-03	18.89	0.0	-13.93	-59.17	-25.26	43.16	66.00	-30.77

		-67.09	-55.78	4.92e-04		241.0	-13.93	-16.39	-25.26	46.21	5.11	-55.98
						482.0	-13.93	-8.48	-25.26	50.74	-55.78	-63.09
31	10	-4.84	53.93	1.45e-03	11.93	0.0	-59.95	-14.36	-12.04	10.52	53.93	-100.70
		-100.70	-4.22	-7.19e-05		241.0	-59.95	-42.61	-12.04	9.82	24.85	-30.13
						482.0	-59.95	-60.37	-12.04	9.45	-4.22	-96.29
32	1	22.10	4.58	2.53e-05	-21.50	0.0	3.41	-16.09	-1.48	1.85	4.58	-0.90
		-15.53	-2.47	1.59e-05		238.0	3.41	4.77	-1.48	1.89	1.05	-14.30
						476.0	3.41	25.97	-1.48	1.97	-2.47	22.10
32	7	-9.09	-11.73	1.93e-03	17.48	0.0	-46.88	-19.34	10.45	16.05	-61.47	-157.22
		-157.22	-61.47	1.24e-04		238.0	-46.88	-52.67	10.45	15.32	-36.60	-67.46
						476.0	-46.88	-69.53	10.45	14.94	-11.73	-80.75
32	9	-3.57	40.61	1.35e-03	10.85	0.0	-23.39	-33.42	18.85	44.19	-49.15	-20.67
		-40.82	-49.15	-1.76e-04		238.0	-23.39	-11.42	18.85	45.44	-4.27	-30.88
						476.0	-23.39	-5.59	18.85	47.73	40.61	-40.48
33	3	-1.57	0.02	8.83e-04	-2.30	0.0	20.89	-1.35	1.55e-04	-3.72e-03	0.01	-1.57
		-2.84	0.01	-6.31e-06		715.0	20.89	-4.07e-04	1.55e-04	3.74e-04	0.02	-1.95
						1430.0	20.89	1.35	1.55e-04	4.47e-03	0.02	-1.59
33	4	4.44	0.02	4.99e-04	-1.82	0.0	0.47	-2.60	-5.92e-04	-0.02	0.02	4.44
		-2.05	6.92e-03	-3.50e-06		715.0	0.47	-0.01	-5.92e-04	-0.02	0.01	-2.05
						1430.0	0.47	2.64	-5.92e-04	-0.02	6.92e-03	4.37
33	8	-0.02	2.36	1.10e-03	2.39	0.0	0.02	-5.96	-0.33	0.83	2.36	-29.63
		-29.63	-2.36	-1.47e-04		715.0	0.02	-2.12	-0.33	0.82	1.44e-04	-0.02
						1430.0	0.02	-5.96	-0.33	0.83	-2.36	-29.61
33	10	-0.20	0.30	-3.03e-04	1.20	0.0	-10.52	-1.43	0.05	0.12	-0.40	-2.11
		-2.11	-0.40	-2.82e-04		715.0	-10.52	-0.02	0.05	0.10	-0.05	-1.07
						1430.0	-10.52	-1.08	0.05	0.09	0.30	-1.36
34	1	3.98	2.73e-05	-8.22e-04	-9.21	0.0	10.90	5.49	2.74e-06	3.40e-05	-1.19e-05	-10.61
		-10.61	-1.19e-05	0.0		715.0	10.90	5.05e-04	2.74e-06	3.08e-05	7.67e-06	3.98
						1430.0	10.90	-5.49	2.74e-06	2.82e-05	2.73e-05	-10.61
34	3	-2.05	1.15e-03	1.05e-03	-2.57	0.0	29.12	-1.09	1.65e-04	1.04e-03	-1.22e-03	-3.36
		-4.04	-1.22e-03	0.0		715.0	29.12	-9.39e-04	1.65e-04	1.01e-03	-3.53e-05	-2.05
						1430.0	29.12	1.08	1.65e-04	1.01e-03	1.15e-03	-3.39
34	7	-5.06e-03	0.26	1.31e-03	3.51	0.0	-0.02	-8.58	0.04	0.03	-0.26	-37.56
		-37.56	-0.26	1.28e-04		715.0	-0.02	-2.29	0.04	0.03	5.04e-06	-5.06e-03
						1430.0	-0.02	-8.58	0.04	0.03	0.26	-37.55
34	8	-0.01	0.26	1.31e-03	3.51	0.0	-0.02	-8.58	-0.04	0.04	0.26	-37.55
		-37.55	-0.26	-1.28e-04		715.0	-0.02	-2.29	-0.04	0.04	-3.91e-05	-0.01
						1430.0	-0.02	-8.57	-0.04	0.04	-0.26	-37.54
34	9	-0.02	0.47	1.30e-05	0.12	0.0	0.02	-0.06	-0.07	0.09	0.47	-0.09
		-0.10	-0.46	2.87e-04		715.0	0.02	-1.77e-03	-0.07	0.10	7.25e-03	-0.05
						1430.0	0.02	-0.06	-0.07	0.11	-0.46	-0.10
35	3	-1.55	-0.02	8.81e-04	-2.30	0.0	20.82	-1.35	1.34e-04	0.01	-0.02	-1.55
		-2.84	-0.02	5.96e-06		715.0	20.82	-2.81e-03	1.34e-04	6.65e-03	-0.02	-1.95
						1430.0	20.82	1.35	1.34e-04	2.61e-03	-0.02	-1.58
35	4	4.48	-6.86e-03	5.08e-04	-1.82	0.0	0.50	-2.66	-5.94e-04	-1.24e-03	-6.86e-03	4.48
		-2.08	-0.02	5.05e-06		715.0	0.50	-1.19e-03	-5.94e-04	-2.53e-04	-0.01	-2.08
						1430.0	0.50	2.64	-5.94e-04	7.32e-04	-0.02	4.41
35	5	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		715.0	0.0	0.0	0.0	0.0	0.0	0.0
						1430.0	0.0	0.0	0.0	0.0	0.0	0.0
35	7	-0.01	2.36	1.10e-03	2.39	0.0	0.01	-5.94	0.33	0.83	-2.36	-29.56
		-29.56	-2.36	1.47e-04		715.0	0.01	-2.12	0.33	0.83	-9.71e-05	-0.01
						1430.0	0.01	-5.93	0.33	0.83	2.36	-29.55
36	3	37.46	-2.12	-2.07e-04	-9.38	0.0	5.26	-32.72	-0.88	19.62	-2.12	37.46
		-16.67	-6.39	-2.24e-05		241.9	5.26	-8.96	-0.88	18.52	-4.26	-12.14
						483.9	5.26	11.03	-0.88	18.01	-6.39	-9.03
36	7	-4.03	50.57	1.69e-03	14.89	0.0	-15.62	-9.83	20.09	49.50	-46.70	-41.70
		-48.29	-46.70	-2.88e-04		241.9	-15.62	-10.34	20.09	45.46	1.93	-42.99
						483.9	-15.62	-44.30	20.09	42.89	50.57	-19.78
36	8	-1.48	65.95	2.12e-03	18.92	0.0	-13.98	-8.55	25.17	50.66	-55.86	-63.23
		-67.33	-55.86	-4.94e-04		241.9	-13.98	-16.32	25.17	46.10	5.04	-56.29
						483.9	-13.98	-59.27	25.17	43.03	65.95	-30.81
36	10	-5.20	4.26	7.16e-04	11.90	0.0	60.07	-60.24	-11.99	9.52	4.26	-96.50
		-100.72	-53.88	-7.20e-05		241.9	60.07	-42.49	-11.99	9.89	-24.81	-30.14
						483.9	60.07	-14.53	-11.99	10.58	-53.88	-100.72
37	1	22.23	2.51	2.62e-05	-21.50	0.0	3.41	-26.03	-1.48	1.97	2.51	22.23
		-15.63	-4.58	1.60e-05		239.0	3.41	-4.77	-1.48	1.89	-1.03	-14.40
						478.0	3.41	16.11	-1.48	1.85	-4.58	-0.92
37	5	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		239.0	0.0	0.0	0.0	0.0	0.0	0.0
						478.0	0.0	0.0	0.0	0.0	0.0	0.0
37	8	-8.57	-11.58	1.24e-03	17.47	0.0	46.97	-69.67	-10.42	14.95	-11.58	-81.83
		-157.46	-61.37	-1.15e-04		239.0	46.97	-52.73	-10.42	15.33	-36.48	-67.24
						478.0	46.97	-19.41	-10.42	16.06	-61.37	-157.46
37	10	-3.43	40.73	5.52e-04	10.79	0.0	23.31	-5.68	-18.78	47.73	40.73	-40.89
		-41.14	-49.07	1.78e-04		239.0	23.31	-11.60	-18.78	45.44	-4.17	-30.72
						478.0	23.31	-33.56	-18.78	44.19	-49.07	-21.37

38	1	31.93	1.66	-5.05e-05	-22.55	0.0	4.61	-29.54	-0.16	-0.54	1.66	28.87
		-6.29	0.91	-4.61e-06		241.0	4.61	0.49	-0.16	-0.57	1.28	-6.29
						482.0	4.61	31.38	-0.16	-0.61	0.91	31.93
38	3	38.04	-0.97	-1.01e-04	-10.91	0.0	10.03	-24.97	-0.04	-5.46	-0.97	28.68
		0.17	-1.14	4.41e-06		241.0	10.03	1.65	-0.04	-6.96	-1.05	0.17
						482.0	10.03	30.02	-0.04	-8.68	-1.14	38.04
38	7	-27.79	-41.72	7.62e-04	12.10	0.0	-27.55	-13.25	1.19	7.59	-46.15	-27.79
		-41.26	-46.15	2.55e-04		241.0	-27.55	-0.98	1.19	13.03	-43.93	-41.26
						482.0	-27.55	-9.10	1.19	18.90	-41.72	-29.85
38	10	-2.21	-0.27	3.81e-04	3.94	0.0	-22.29	-48.07	0.61	3.75	-3.09	-141.53
		-141.53	-3.09	-2.36e-05		241.0	-22.29	-55.87	0.61	3.58	-1.68	-14.96
						482.0	-22.29	-59.05	0.61	3.52	-0.27	-124.54
39	1	22.20	4.57	2.60e-05	-21.50	0.0	3.41	-26.02	1.48	-1.97	-2.50	22.20
		-15.63	-2.50	-1.60e-05		239.0	3.41	-4.76	1.48	-1.89	1.04	-14.41
						478.0	3.41	16.13	1.48	-1.86	4.57	-0.89
39	7	-8.66	61.46	1.24e-03	17.47	0.0	46.92	-69.67	10.44	14.92	11.58	-81.70
		-157.45	11.58	1.15e-04		239.0	46.92	-52.71	10.44	15.30	36.52	-67.34
						478.0	46.92	-19.25	10.44	16.03	61.46	-157.45
39	9	-3.12	39.99	1.52e-03	12.24	0.0	-20.18	-5.20	-20.39	49.08	39.99	-53.58
		-53.58	-57.49	3.61e-04		239.0	-20.18	-17.33	-20.39	46.68	-8.75	-32.09
						478.0	-20.18	-42.57	-20.39	45.34	-57.49	-37.28
39	10	-3.33	40.73	1.35e-03	10.83	0.0	-23.33	-5.39	-18.80	47.75	40.73	-40.98
		-41.27	-49.13	1.78e-04		239.0	-23.33	-11.64	-18.80	45.45	-4.20	-30.82
						478.0	-23.33	-33.72	-18.80	44.20	-49.13	-21.49
40	3	37.87	1.13	-9.67e-05	-10.92	0.0	9.78	-24.91	0.04	5.37	0.95	27.87
		-0.39	0.95	-4.18e-06		241.0	9.78	1.79	0.04	6.88	1.04	-0.37
						482.0	9.78	30.18	0.04	8.60	1.13	37.87
40	7	-27.78	-41.73	-3.06e-04	12.09	0.0	27.50	-13.20	1.18	7.62	-46.11	-27.78
		-41.19	-46.11	2.55e-04		241.0	27.50	-1.00	1.18	13.05	-43.92	-41.19
						482.0	27.50	-9.16	1.18	18.92	-41.73	-29.67
40	9	-2.34	3.04	3.82e-04	3.93	0.0	-22.35	-48.23	-0.60	3.65	3.04	-141.84
		-141.84	0.27	2.43e-05		241.0	-22.35	-56.01	-0.60	3.49	1.65	-14.92
						482.0	-22.35	-59.19	-0.60	3.44	0.27	-124.92
40	10	-1.32	13.28	3.05e-04	3.24	0.0	-18.42	-38.47	-2.86	4.11	13.28	-115.52
		-115.52	-0.53	-3.42e-05		241.0	-18.42	-44.56	-2.86	3.93	6.37	-14.40
						482.0	-18.42	-46.98	-2.86	3.87	-0.53	-96.70
41	1	21.56	2.49	-2.75e-06	-21.52	0.0	3.31	-21.63	5.88e-03	0.10	2.46	21.47
		-4.24	2.46	-3.82e-06		238.0	3.31	0.02	5.88e-03	-2.60e-03	2.47	-4.24
						476.0	3.31	21.66	5.88e-03	-0.11	2.49	21.56
41	5	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		238.0	0.0	0.0	0.0	0.0	0.0	0.0
						476.0	0.0	0.0	0.0	0.0	0.0	0.0
41	8	-0.41	12.36	6.88e-04	3.82	0.0	0.06	-62.03	-5.16	9.47	12.36	-154.79
		-154.79	-12.21	8.63e-05		238.0	0.06	-66.13	-5.16	9.36	0.08	-0.41
						476.0	0.06	-62.01	-5.16	9.47	-12.21	-153.96
41	9	-26.61	35.88	-7.93e-05	9.50	0.0	29.26	-7.96	0.47	0.50	33.83	-38.75
		-44.01	33.83	9.91e-05		238.0	29.26	-2.92	0.47	2.81	34.86	-43.14
						476.0	29.26	-13.30	0.47	5.67	35.88	-26.61
41	10	-26.95	35.66	-8.05e-05	9.53	0.0	29.29	-13.04	-0.39	5.44	35.66	-26.95
		-43.87	34.05	-1.14e-04		238.0	29.29	-2.71	-0.39	2.58	34.86	-43.15
						476.0	29.29	-8.28	-0.39	0.57	34.05	-38.33
42	1	21.53	-2.45	-2.66e-06	-21.52	0.0	3.31	-21.64	-5.74e-03	-0.10	-2.45	21.45
		-4.26	-2.48	3.81e-06		238.0	3.31	0.02	-5.74e-03	4.94e-03	-2.47	-4.26
						476.0	3.31	21.66	-5.74e-03	0.11	-2.48	21.53
42	7	-0.33	12.21	6.86e-04	3.81	0.0	0.07	-62.03	5.17	9.46	-12.37	-154.66
		-154.66	-12.37	-8.63e-05		238.0	0.07	-66.10	5.17	9.36	-0.08	-0.33
						476.0	0.07	-61.93	5.17	9.46	12.21	-153.90
42	9	-26.43	35.88	8.34e-04	9.49	0.0	-29.32	-7.71	0.47	0.50	33.85	-38.98
		-44.20	33.85	9.91e-05		238.0	-29.32	-3.00	0.47	2.81	34.87	-43.28
						476.0	-29.32	-13.34	0.47	5.67	35.88	-26.43
42	10	-27.14	35.67	8.36e-04	9.51	0.0	-29.34	-12.90	-0.39	5.46	35.67	-27.14
		-43.95	34.06	-1.14e-04		238.0	-29.34	-2.64	-0.39	2.60	34.87	-43.28
						476.0	-29.34	-8.26	-0.39	0.57	34.06	-38.18
43	3	38.08	-0.94	-9.79e-05	-10.91	0.0	9.98	-30.11	0.04	8.56	-1.14	38.08
		3.08e-03	-1.14	-4.17e-06		241.0	9.98	-1.72	0.04	6.84	-1.04	3.08e-03
						482.0	9.98	24.98	0.04	5.33	-0.94	28.43
43	8	-27.96	-41.69	7.59e-04	12.08	0.0	-27.56	-9.05	-1.21	18.78	-41.69	-29.82
		-41.24	-46.28	-2.54e-04		241.0	-27.56	-1.06	-1.21	12.91	-43.98	-41.24
						482.0	-27.56	-13.15	-1.21	7.47	-46.28	-27.96
43	9	-1.40	13.36	2.92e-04	3.25	0.0	18.51	-47.00	2.89	3.86	-0.56	-96.97
		-115.32	-0.56	3.54e-05		241.0	18.51	-44.57	2.89	3.92	6.40	-14.16
						482.0	18.51	-38.55	2.89	4.10	13.36	-115.32
43	10	-2.69	3.13	3.65e-04	3.94	0.0	22.49	-59.23	0.62	3.40	0.28	-125.25
		-141.62	0.28	-2.32e-05		241.0	22.49	-56.03	0.62	3.46	1.71	-14.67
						482.0	22.49	-48.28	0.62	3.62	3.13	-141.62
44	3	37.83	1.14	-9.82e-05	-10.92	0.0	9.81	-30.02	-0.04	-8.60	1.14	37.83
		-0.04	0.94	4.33e-06		241.0	9.81	-1.64	-0.04	-6.88	1.04	-0.04

						482.0	9.81	25.04	-0.04	-5.37	0.94	28.55
44	4	-2.34	0.76	-2.17e-05	-6.32	0.0	-1.72	1.08	0.04	-1.07	0.57	-3.52
		-3.57	0.57	2.32e-06		241.0	-1.72	0.14	0.04	-0.81	0.66	-2.34
						482.0	-1.72	-0.86	0.04	-0.59	0.76	-3.57
44	8	-27.71	-41.70	-3.04e-04	12.08	0.0	27.48	-9.05	-1.20	18.80	-41.70	-29.73
		-41.08	-46.22	-2.54e-04		241.0	27.48	-1.04	-1.20	12.93	-43.96	-41.08
						482.0	27.48	-13.21	-1.20	7.49	-46.22	-27.71
44	9	-2.83	-0.28	3.65e-04	3.94	0.0	22.51	-59.39	-0.61	3.26	-0.28	-125.70
		-141.86	-3.09	2.44e-05		241.0	22.51	-56.17	-0.61	3.32	-1.69	-14.58
						482.0	22.51	-48.43	-0.61	3.48	-3.09	-141.86
45	3	37.41	6.34	2.08e-04	-9.38	0.0	5.22	-32.69	0.87	-19.66	2.13	37.41
		-16.64	2.13	2.25e-05		242.0	5.22	-8.94	0.87	-18.55	4.23	-12.13
						484.0	5.22	11.03	0.87	-18.04	6.34	-9.00
45	4	1.80	0.76	-7.28e-05	-6.79	0.0	-0.64	1.37	-0.33	-3.64	0.76	-5.81
		-5.81	-0.83	6.04e-06		242.0	-0.64	1.28	-0.33	-3.48	-0.03	-2.72
						484.0	-0.64	2.62	-0.33	-3.44	-0.83	1.80
45	8	-1.44	65.90	1.06e-03	18.87	0.0	13.90	-8.60	25.14	50.74	-55.81	-63.02
		-67.12	-55.81	-4.94e-04		242.0	13.90	-16.29	25.14	46.19	5.05	-56.11
						484.0	13.90	-59.15	25.14	43.12	65.90	-30.83
45	9	-4.94	53.79	-7.14e-04	11.85	0.0	60.19	-60.39	11.96	9.48	-4.22	-97.17
		-100.90	-4.22	7.31e-05		242.0	60.19	-42.64	11.96	9.85	24.79	-29.84
						484.0	60.19	-14.76	11.96	10.53	53.79	-100.90

Trave f.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Pt**	**N**	**V 2**	**V 3**	**T**
	-157.46	-61.47	-8.22e-04	-22.55	-60.09	-69.67	-25.26	-19.70
	38.08	66.00	2.12e-03	18.92	60.19	32.60	25.17	50.79

VERIFICHE S.L. ELEMENTI IN LEGNO

LEGENDA TABELLA VERIFICHE S.L. ELEMENTI IN LEGNO

Il programma consente la verifica dei seguenti tipi di elementi:
1. Aste 2. Travi 3. Pilastri

L'esito delle verifiche è espresso con un codice come di seguito indicato:
ok: verifica con esito positivo
NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018, oppure seguendo le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici" ; in particolare le verifiche effettuate sono riconducibili ai punti:

NTC 2018
- 4.4.8 Stati limite ultimi
- 4.4.8.1.7 Tensoflessione
- 4.4.8.1.8 Pressoflessione
- 4.4.8.1.11 Taglio e torsione
- 4.4.8.2.1 Elementi inflessi
- 4.4.8.2.2 Elementi compressi

EC5
- 2.2.2 Ultimate limit states
- 2.2.3 Serviceability limit states
- 2.4.1 Design value of material property
- 2.4.3 Design resistances
- 3.1.3 Strength modification (kmod)
- 3.1.4 Deformation modification (kdef)
- 6. Ultimate limit states
- 6.2 Design of cross-sections subjected to combined stresses
- 6.3 Stability of members

Simbologia adottata nelle tabelle di verifica

Le verifiche effettuate ai sensi delle NTC 2018 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T),** Pilastro **(P),** Asta **(A)**
Stato	Codice della verifica: **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver N-/M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità a compressione come da par. 4.4.8.2.2
Kcy(z)	Fattore di instabilità Kcrit,c utilizzato nella formula 4.4.13, in funzione della snellezza relativa
Ver M(s)	Verifica instabilità laterale come da par. 4.4.8.2.1, effettuata in entrambi i piani principali y e z
Kcrit (y)/(z)	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito

kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Le verifiche effettuate ai sensi dell'EC5 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T),** Pilastro **(P),** Asta **(A)**
Stato	Codice della verifica **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formula 6.17 e 6.18 per tensoflessione
Ver N-/M	Verifica come da formula 6.19 e 6.20 per pressoflessione
Ver V/T	Verifica come da formula 6.13 e 6.14 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica come da formula 6.23 e 6.24 per pressoflessione di elementi con snellezza relativa in un piano maggiore di 0.3
Kcy (z)	Fattore di instabilità utilizzato nella formula 6.23 (6.24)
Ver M(s)	Verifica come da formula 6.35 (effettuata in entrambi i piani principali) per instabilità laterale
Kcrit (y) (z)	Fattore di instabilità laterale utilizzato nella formula 6.35 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Si sottolinea che le cinque verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).
Le deformazioni dell' elemento espresse in rapporto ad un millesimo di lunghezza sono rappresentate dal valore istantaneo e dal valore a tempo infinito. Il valore della deformazione a tempo infinito per una combinazione di carichi è ottenuta sommando per ogni caso di carico sia il valore istantaneo che il valore ottenuto dall' aliquota quasi-permanente amplificata del fattore kdef (formula 2.2 e 2.3).
In termini analitici il contributo del caso di carico con coefficiente di combinazione ***Psi*** (diverso da 0) è:
Psi + kdef × Psi2

Elem. Note	Pos. cm	Ver N+/M	Ver N-/M	Ver V/T	Rif. cmb	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)	Rif. cmb
46 ok T,s=8,m=129	0.0	3.50e-02	2.78e-02	1.77e-02	9,37,36	2.80e-02	1.0	1.0	1.41e-03	1.0	1.0	37,21
	75.0	1.45e-02	1.23e-02	1.73e-02	36,37,36	1.25e-02	1.0	1.0	1.29e-03	1.0	1.0	37,21
	150.0	7.99e-03	3.78e-03	1.72e-02	20,21,36	5.03e-03	1.0	1.0	1.28e-03	1.0	1.0	21,21
47 ok T,s=8,m=129	0.0	2.08e-03	1.77e-03	1.73e-02	26,23,18	3.20e-03	0.4	1.0	1.43e-03	1.0	1.0	23,23
	75.0	1.44e-02	1.14e-02	1.73e-02	21,9,18	1.15e-02	0.4	1.0	1.45e-03	1.0	1.0	9,23
	150.0	3.14e-02	2.91e-02	1.74e-02	18,9,18	2.95e-02	0.4	1.0	1.52e-03	1.0	1.0	9,23
48 ok T,s=8,m=129	0.0	1.12e-03	2.25e-04	8.18e-03	9,44,15	4.07e-04	0.4	1.0	1.82e-04	1.0	1.0	44,44
	75.0	7.77e-03	7.12e-03	8.19e-03	20,28,15	7.16e-03	0.4	1.0	1.89e-04	1.0	1.0	28,44
	150.0	2.02e-02	1.64e-02	8.32e-03	9,28,15	1.65e-02	0.4	1.0	2.79e-04	1.0	1.0	28,9
49 ok T,s=8,m=129	0.0	5.70e-04	9.14e-04	1.86e-02	25,24,9	1.65e-03	0.4	1.0	7.39e-04	1.0	1.0	24,24
	75.0	1.43e-02	1.81e-02	1.89e-02	29,9,9	1.83e-02	0.4	1.0	8.29e-04	1.0	1.0	9,9
	150.0	3.09e-02	4.17e-02	2.00e-02	29,9,9	4.20e-02	0.4	1.0	1.46e-03	1.0	1.0	9,9
50 ok T,s=8,m=129	0.0		5.50e-03	1.55e-02	0,9,9	9.93e-03	0.4	1.0	4.44e-03	1.0	1.0	9,9
	75.0		1.90e-02	1.58e-02	0,9,9	2.28e-02	0.4	1.0	4.58e-03	1.0	1.0	9,9
	150.0		4.03e-02	1.69e-02	0,9,9	4.44e-02	0.4	1.0	5.02e-03	1.0	1.0	9,9
51 ok T,s=8,m=129	0.0	1.34e-02		3.09e-03	9,0,42				8.88e-05	1.0	1.0	0,9
	75.0	9.04e-03		3.13e-03	9,0,42				2.55e-05	1.0	1.0	0,9
	150.0	1.21e-02		3.28e-03	9,0,42				6.85e-05	1.0	1.0	0,1
52 ok T,s=8,m=129	0.0		5.54e-03	1.52e-02	0,9,9	1.00e-02	0.4	1.0	4.48e-03	1.0	1.0	9,9
	75.0		1.88e-02	1.55e-02	0,9,9	2.27e-02	0.4	1.0	4.62e-03	1.0	1.0	9,9
	150.0		3.97e-02	1.66e-02	0,9,9	4.40e-02	0.4	1.0	5.04e-03	1.0	1.0	9,9
53 ok T,s=8,m=129	0.0	6.92e-04	8.94e-04	1.87e-02	18,15,9	1.62e-03	0.4	1.0	7.22e-04	1.0	1.0	15,15
	75.0	1.42e-02	1.80e-02	1.89e-02	22,9,9	1.82e-02	0.4	1.0	7.31e-04	1.0	1.0	9,15
	150.0	3.09e-02	4.16e-02	2.00e-02	22,9,9	4.18e-02	0.4	1.0	1.33e-03	1.0	1.0	9,9

54 ok T,s=8,m=129	0.0	1.04e-03	2.55e-04	8.24e-03	42,39,24	4.61e-04	0.4	1.0	2.06e-04	1.0	1.0	39,39
	75.0	7.84e-03	7.20e-03	8.28e-03	27,19,24	7.25e-03	0.4	1.0	2.14e-04	1.0	1.0	19,39
	150.0	2.04e-02	1.66e-02	8.45e-03	9,19,24	1.66e-02	0.4	1.0	2.83e-04	1.0	1.0	19,9
55 ok T,s=8,m=129	0.0	2.09e-03	1.78e-03	1.74e-02	17,16,25	3.21e-03	0.4	1.0	1.43e-03	1.0	1.0	16,16
	75.0	1.45e-02	1.14e-02	1.74e-02	30,9,25	1.16e-02	0.4	1.0	1.46e-03	1.0	1.0	9,16
	150.0	3.15e-02	2.93e-02	1.75e-02	25,9,25	2.96e-02	0.4	1.0	1.52e-03	1.0	1.0	9,24
56 ok T,s=8,m=129	0.0	7.98e-03	3.75e-03	1.73e-02	25,24,41	5.00e-03	1.0	1.0	1.27e-03	1.0	1.0	24,24
	75.0	1.46e-02	1.22e-02	1.73e-02	41,40,41	1.24e-02	1.0	1.0	1.29e-03	1.0	1.0	40,24
	150.0	3.53e-02	2.76e-02	1.78e-02	9,40,41	2.78e-02	1.0	1.0	1.41e-03	1.0	1.0	40,24
57 ok T,s=9,m=129	0.0	8.97e-02	3.16e-02	1.86e-02	9,32,9	3.16e-02	1.0	1.0	6.63e-03	1.0	1.0	32,9
	75.0	1.67e-02	8.25e-03	5.83e-03	9,44,25	8.56e-03	1.0	1.0	4.00e-04	1.0	1.0	44,40
	150.0	2.03e-02	1.00e-03	5.57e-03	9,40,25	1.34e-03	1.0	1.0	3.39e-04	1.0	1.0	40,40
58 ok T,s=9,m=129	0.0	6.56e-02		1.07e-02	9,0,9				3.41e-03	1.0	1.0	0,9
	75.0	1.29e-02		4.20e-03	9,0,9				5.24e-05	1.0	1.0	0,9
	150.0	1.39e-02		2.79e-03	9,0,39				9.63e-05	1.0	1.0	0,9
59 ok T,s=9,m=129	0.0	6.33e-02		9.00e-03	9,0,9				3.48e-03	1.0	1.0	0,9
	75.0	1.19e-02		2.50e-03	9,0,9				6.14e-05	1.0	1.0	0,9
	150.0	1.30e-02		1.96e-03	9,0,30				8.48e-05	1.0	1.0	0,9
60 ok T,s=9,m=129	0.0	6.46e-02		1.04e-02	9,0,9				3.31e-03	1.0	1.0	0,9
	75.0	1.21e-02		3.88e-03	9,0,9				4.04e-05	1.0	1.0	0,9
	150.0	1.51e-02		3.01e-03	9,0,25				1.14e-04	1.0	1.0	0,9
61 ok T,s=9,m=129	0.0	6.48e-02		1.03e-02	9,0,9				3.37e-03	1.0	1.0	0,9
	75.0	1.24e-02		3.78e-03	9,0,9				4.83e-05	1.0	1.0	0,9
	150.0	1.43e-02		3.01e-03	9,0,27				1.02e-04	1.0	1.0	0,9
62 ok T,s=9,m=129	0.0	6.27e-02		8.69e-03	9,0,9				3.45e-03	1.0	1.0	0,9
	75.0	1.16e-02		2.40e-03	9,0,30				5.78e-05	1.0	1.0	0,9
	150.0	1.34e-02		2.12e-03	9,0,27				8.92e-05	1.0	1.0	0,9
63 ok T,s=9,m=129	0.0	6.47e-02		1.02e-02	9,0,9				3.38e-03	1.0	1.0	0,9
	75.0	1.24e-02		3.71e-03	9,0,9				4.98e-05	1.0	1.0	0,9
	150.0	1.41e-02		2.97e-03	9,0,25				9.97e-05	1.0	1.0	0,9
64 ok T,s=9,m=129	0.0	6.43e-02		1.03e-02	9,0,9				3.28e-03	1.0	1.0	0,9
	75.0	1.20e-02		3.77e-03	9,0,9				3.90e-05	1.0	1.0	0,9
	149.9	1.53e-02		3.02e-03	9,0,27				1.16e-04	1.0	1.0	0,9
65 ok T,s=9,m=129	0.0	6.34e-02		9.09e-03	9,0,9				3.47e-03	1.0	1.0	0,9
	75.0	1.20e-02		2.60e-03	9,0,9				6.18e-05	1.0	1.0	0,9
	149.9	1.30e-02		2.02e-03	9,0,24				8.40e-05	1.0	1.0	0,9
66 ok T,s=9,m=129	0.0	6.37e-02		1.02e-02	9,0,9				3.21e-03	1.0	1.0	0,9
	75.0	1.24e-02		4.02e-03	9,0,9				4.76e-05	1.0	1.0	0,9
	149.9	1.37e-02		2.75e-03	9,0,33				9.37e-05	1.0	1.0	0,9
67 ok T,s=8,m=129	0.0	7.48e-02	8.36e-02	3.20e-02	34,9,9	8.51e-02	0.4	1.0	7.54e-03	1.0	1.0	9,9
	71.0	4.81e-02	0.1	3.03e-02	45,9,9	0.1	0.4	1.0	1.18e-02	1.0	1.0	9,9
	142.0	8.11e-02	0.1	2.92e-02	45,9,9	0.1	0.4	1.0	1.53e-02	1.0	1.0	9,9
68 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.99e-02	1.0	1.0	9,9
	71.0		6.47e-02	0.2	0,26,9	8.41e-02	0.4	1.0	5.56e-02	1.0	1.0	26,9
	142.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.57e-02	1.0	1.0	9,9
69 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.3	0.4	1.0	8.10e-02	1.0	1.0	9,9
	71.0		8.95e-02	0.2	0,26,9	0.1	0.4	1.0	5.23e-02	1.0	1.0	9,9
	142.0		0.1	0.2	0,9,9	0.2	0.4	1.0	5.24e-02	1.0	1.0	9,9
70 ok T,s=8,m=129	0.0		0.3	0.2	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	71.0		0.1	0.2	0,9,9	0.2	0.4	1.0	6.78e-02	1.0	1.0	9,9
	142.0		8.99e-02	0.2	0,27,9	0.1	0.4	1.0	6.79e-02	1.0	1.0	9,9
71 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.6	1.0	4.32e-02	1.0	1.0	9,9
	71.0		0.1	0.2	0,26,9	0.1	0.6	1.0	1.47e-02	1.0	1.0	26,9
	142.0		0.2	0.2	0,19,9	0.2	0.6	1.0	3.54e-02	1.0	1.0	9,9
72 ok T,s=8,m=129	0.0		0.3	0.2	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	71.0		0.1	0.2	0,9,9	0.2	0.4	1.0	6.75e-02	1.0	1.0	9,9
	142.0		8.96e-02	0.2	0,20,9	0.1	0.4	1.0	6.76e-02	1.0	1.0	9,9
73 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.3	0.4	1.0	8.16e-02	1.0	1.0	9,9
	71.0		8.94e-02	0.2	0,17,9	0.1	0.4	1.0	5.26e-02	1.0	1.0	9,9
	142.0		0.1	0.2	0,9,9	0.2	0.4	1.0	5.27e-02	1.0	1.0	9,9
74 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.94e-02	1.0	1.0	9,9
	71.0		6.46e-02	0.2	0,17,9	8.40e-02	0.4	1.0	5.54e-02	1.0	1.0	17,9
	142.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.55e-02	1.0	1.0	9,9
75 ok T,s=8,m=129	0.0	7.56e-02	8.29e-02	3.20e-02	33,9,9	8.43e-02	0.4	1.0	7.39e-03	1.0	1.0	9,9
	71.0	4.80e-02	0.1	3.04e-02	42,9,9	0.1	0.4	1.0	1.16e-02	1.0	1.0	9,9
	142.0	8.08e-02	0.1	2.92e-02	42,9,9	0.1	0.4	1.0	1.51e-02	1.0	1.0	9,9
76 ok T,s=9,m=129	0.0	2.45e-03	1.59e-04	4.22e-02	34,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.5	1.50e-02	3.84e-02	3.57e-02	34,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	193.0	2.45e-03	1.59e-04	4.22e-02	34,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
77 ok T,s=9,m=129	0.0		4.82e-04	3.57e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	2.92e-02	0,9,9	0.3	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.82e-04	3.57e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
78 ok T,s=9,m=129	0.0		7.84e-04	2.73e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	2.08e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.84e-04	2.73e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
79 ok T,s=9,m=129	0.0		9.37e-04	1.72e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	1.07e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9

	193.0		9.37e-04	1.72e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
80 ok T,s=9,m=129	0.0		8.92e-04	6.93e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	2.63e-03	0,9,25	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.92e-04	6.93e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
81 ok T,s=9,m=129	0.0		9.36e-04	1.79e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	1.14e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.36e-04	1.79e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
82 ok T,s=9,m=129	0.0		7.76e-04	2.79e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	2.14e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.76e-04	2.79e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
83 ok T,s=9,m=129	0.0		4.69e-04	3.62e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	2.96e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.69e-04	3.62e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
84 ok T,s=9,m=129	0.0	2.32e-03	1.57e-04	4.26e-02	20,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.5	1.49e-02	3.84e-02	3.61e-02	20,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	193.0	2.32e-03	1.57e-04	4.26e-02	20,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
85 ok T,s=8,m=129	0.0	8.78e-02		2.84e-02	38,0,9				3.54e-03	1.0	1.0	0,38
	71.0	8.82e-02		2.61e-02	9,0,9				6.48e-03	1.0	1.0	0,9
	142.0	0.1		2.43e-02	9,0,9				1.10e-02	1.0	1.0	0,9
86 ok T,s=8,m=129	0.0		0.4	8.63e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.3	9.52e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.2	0.1	0,9,9	0.2	0.4	1.0	7.22e-02	1.0	1.0	9,9
87 ok T,s=8,m=129	0.0		0.5	8.25e-02	0,9,9	0.5	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.4	9.15e-02	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.2	0.1	0,9,9	0.3	0.4	1.0	7.94e-02	1.0	1.0	9,9
88 ok T,s=8,m=129	0.0		0.5	7.77e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.4	8.67e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.3	9.61e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
89 ok T,s=8,m=129	0.0		0.4	7.36e-02	0,9,9	0.5	0.6	1.0	0.2	1.0	1.0	9,9
	71.0		0.3	8.26e-02	0,9,9	0.3	0.6	1.0	0.1	1.0	1.0	9,9
	142.0		0.2	9.21e-02	0,9,9	0.2	0.6	1.0	4.43e-02	1.0	1.0	9,9
90 ok T,s=8,m=129	0.0		0.5	7.69e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.4	8.59e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.3	9.54e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
91 ok T,s=8,m=129	0.0		0.5	8.26e-02	0,9,9	0.5	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.4	9.16e-02	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.2	0.1	0,9,9	0.3	0.4	1.0	7.99e-02	1.0	1.0	9,9
92 ok T,s=8,m=129	0.0		0.4	8.65e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.3	9.54e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.2	0.1	0,9,9	0.2	0.4	1.0	7.19e-02	1.0	1.0	9,9
93 ok T,s=8,m=129	0.0	8.77e-02		2.86e-02	33,0,9				3.52e-03	1.0	1.0	0,33
	71.0	8.74e-02		2.63e-02	9,0,9				6.36e-03	1.0	1.0	0,9
	142.0	0.1		2.46e-02	9,0,9				1.08e-02	1.0	1.0	0,9
94 ok T,s=9,m=129	0.0	1.87e-03	4.05e-04	2.74e-02	18,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.44e-02	3.86e-02	2.08e-02	18,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	1.87e-03	4.05e-04	2.74e-02	18,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
95 ok T,s=9,m=129	0.0		4.36e-04	2.15e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	1.50e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.36e-04	2.15e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
96 ok T,s=9,m=129	0.0		7.46e-04	1.63e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.89e-02	9.71e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.46e-04	1.63e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
97 ok T,s=9,m=129	0.0		9.06e-04	1.13e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	4.72e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.06e-04	1.13e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
98 ok T,s=9,m=129	0.0		8.89e-04	6.72e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	9.49e-04	0,9,26	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.89e-04	6.72e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
99 ok T,s=9,m=129	0.0		9.04e-04	1.16e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	5.04e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.04e-04	1.16e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
100 ok T,s=9,m=129	0.0		7.36e-04	1.66e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.89e-02	1.00e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.36e-04	1.66e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
101 ok T,s=9,m=129	0.0		4.28e-04	2.19e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	1.53e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.28e-04	2.19e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
102 ok T,s=9,m=129	0.0	2.07e-03	4.19e-04	2.78e-02	20,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.46e-02	3.86e-02	2.12e-02	20,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	2.07e-03	4.19e-04	2.78e-02	20,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
103 ok T,s=8,m=129	0.0	9.10e-02		1.42e-02	38,0,36				4.41e-03	1.0	1.0	0,38
	71.0	8.07e-02		1.42e-02	38,0,36				4.30e-03	1.0	1.0	0,38
	142.0	8.30e-02		1.43e-02	9,0,36				4.65e-03	1.0	1.0	0,9
104 ok T,s=8,m=129	0.0		0.5	3.02e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.5	3.54e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.4	4.12e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
105 ok T,s=8,m=129	0.0		0.6	2.82e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9

	71.0		0.6	3.34e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.5	3.92e-02	0,9,9	0.5	0.4	1.0	0.3	1.0	1.0	9,9
106 ok T,s=8,m=129	0.0		0.7	2.63e-02	0,9,9	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.6	3.15e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.5	3.72e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
107 ok T,s=8,m=129	0.0		0.6	2.40e-02	0,9,9	0.6	0.6	1.0	0.4	1.0	1.0	9,9
	71.0		0.5	2.92e-02	0,9,9	0.5	0.6	1.0	0.3	1.0	1.0	9,9
	142.0		0.4	3.50e-02	0,9,9	0.5	0.6	1.0	0.2	1.0	1.0	9,9
108 ok T,s=8,m=129	0.0		0.7	2.61e-02	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.6	3.13e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.5	3.71e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
109 ok T,s=8,m=129	0.0		0.6	2.83e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	3.35e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.5	3.93e-02	0,9,9	0.5	0.4	1.0	0.3	1.0	1.0	9,9
110 ok T,s=8,m=129	0.0		0.5	3.04e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.5	3.56e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.4	4.13e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
111 ok T,s=8,m=129	0.0	8.87e-02		1.43e-02	41,0,31				4.40e-03	1.0	1.0	0,33
	71.0	7.78e-02		1.43e-02	33,0,31				4.28e-03	1.0	1.0	0,33
	142.0	8.25e-02		1.44e-02	9,0,31				4.56e-03	1.0	1.0	0,9
112 ok T,s=9,m=129	0.0	2.92e-03	2.00e-04	4.78e-02	17,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.0	1.53e-02	3.78e-02	4.14e-02	17,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	192.0	2.92e-03	2.00e-04	4.78e-02	17,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
113 ok T,s=9,m=129	0.0		4.57e-04	3.48e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.0		3.81e-02	2.83e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	192.0		4.57e-04	3.48e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
114 ok T,s=9,m=129	0.0		7.29e-04	2.41e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.0		3.83e-02	1.76e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	192.0		7.29e-04	2.41e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
115 ok T,s=9,m=129	0.0		8.90e-04	1.47e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.0		3.85e-02	8.32e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	192.0		8.90e-04	1.47e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
116 ok T,s=9,m=129	0.0		8.87e-04	6.76e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.0		3.85e-02	5.91e-03	0,9,24	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	192.0		8.87e-04	6.76e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
117 ok T,s=9,m=129	0.0		8.87e-04	1.54e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.0		3.85e-02	8.99e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	192.0		8.87e-04	1.54e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
118 ok T,s=9,m=129	0.0		7.19e-04	2.48e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.0		3.83e-02	1.84e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	192.0		7.19e-04	2.48e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
119 ok T,s=9,m=129	0.0		4.46e-04	3.56e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.0		3.80e-02	2.92e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	192.0		4.46e-04	3.56e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
120 ok T,s=9,m=129	0.0	3.41e-03	1.97e-04	4.87e-02	19,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.0	1.58e-02	3.78e-02	4.23e-02	19,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	192.0	3.41e-03	1.97e-04	4.87e-02	19,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
121 ok T,s=8,m=129	0.0	9.15e-02		4.53e-03	46,0,46				4.62e-03	1.0	1.0	0,46
	71.0	8.23e-02		4.53e-03	34,0,46				4.76e-03	1.0	1.0	0,38
	142.0	8.43e-02		4.53e-03	36,0,46				4.56e-03	1.0	1.0	0,38
122 ok T,s=8,m=129	0.0		0.6	4.69e-03	0,9,44	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	4.94e-03	0,9,44	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.5	6.25e-03	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
123 ok T,s=8,m=129	0.0		0.7	4.77e-03	0,9,44	0.7	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.6	5.04e-03	0,9,44	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.6	6.02e-03	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
124 ok T,s=8,m=129	0.0		0.7	4.55e-03	0,9,44	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.7	4.80e-03	0,9,44	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	142.0		0.7	5.50e-03	0,9,9	0.8	0.4	1.0	0.5	1.0	1.0	9,9
125 ok T,s=8,m=129	0.0		0.6	4.62e-03	0,9,39	0.7	0.6	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	5.07e-03	0,9,19	0.6	0.6	1.0	0.4	1.0	1.0	9,9
	142.0		0.6	5.82e-03	0,9,19	0.6	0.6	1.0	0.4	1.0	1.0	9,9
126 ok T,s=8,m=129	0.0		0.7	4.57e-03	0,9,39	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.7	4.82e-03	0,9,39	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	142.0		0.7	5.59e-03	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
127 ok T,s=8,m=129	0.0		0.7	4.89e-03	0,9,39	0.7	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.6	5.19e-03	0,9,39	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.6	6.13e-03	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
128 ok T,s=8,m=129	0.0		0.6	4.73e-03	0,9,39	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	4.98e-03	0,9,39	0.7	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.5	6.38e-03	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
129 ok T,s=8,m=129	0.0	9.15e-02		4.55e-03	41,0,41				4.63e-03	1.0	1.0	0,41
	71.0	8.22e-02		4.55e-03	37,0,41				4.75e-03	1.0	1.0	0,33
	142.0	8.42e-02		4.55e-03	31,0,41				4.55e-03	1.0	1.0	0,33
130 ok T,s=9,m=129	0.0	2.97e-03	2.01e-04	4.82e-02	26,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	97.0	1.57e-02	3.90e-02	4.15e-02	26,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	194.1	2.97e-03	2.01e-04	4.82e-02	26,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9

131 ok T,s=9,m=129	0.0		4.58e-04	3.54e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	97.0		3.93e-02	2.87e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	194.1		4.58e-04	3.54e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
132 ok T,s=9,m=129	0.0		7.29e-04	2.46e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	97.0		3.95e-02	1.79e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	194.1		7.29e-04	2.46e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
133 ok T,s=9,m=129	0.0		8.90e-04	1.52e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	97.0		3.97e-02	8.49e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	194.1		8.90e-04	1.52e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
134 ok T,s=9,m=129	0.0		8.88e-04	7.04e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	97.0		3.97e-02	5.85e-03	0,9,15	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	194.1		8.88e-04	7.04e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
135 ok T,s=9,m=129	0.0		8.87e-04	1.59e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	97.0		3.97e-02	9.19e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	194.1		8.87e-04	1.59e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
136 ok T,s=9,m=129	0.0		7.18e-04	2.54e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	97.0		3.95e-02	1.87e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	194.1		7.18e-04	2.54e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
137 ok T,s=9,m=129	0.0		4.46e-04	3.62e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	97.0		3.92e-02	2.95e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	194.1		4.46e-04	3.62e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
138 ok T,s=8,m=129	0.0	8.33e-02		5.03e-03	46,0,36				4.53e-03	1.0	1.0	0,44
	71.0	8.22e-02		5.03e-03	44,0,36				4.75e-03	1.0	1.0	0,44
	142.0	9.17e-02		5.03e-03	36,0,36				4.62e-03	1.0	1.0	0,36
139 ok T,s=8,m=129	0.0		0.5	7.63e-03	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.6	5.66e-03	0,9,38	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.6	5.38e-03	0,9,38	0.7	0.4	1.0	0.4	1.0	1.0	9,9
140 ok T,s=8,m=129	0.0		0.6	7.38e-03	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	5.80e-03	0,9,38	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.7	5.50e-03	0,9,38	0.7	0.4	1.0	0.5	1.0	1.0	9,9
141 ok T,s=8,m=129	0.0		0.7	6.84e-03	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.7	5.55e-03	0,9,38	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	142.0		0.7	5.27e-03	0,9,38	0.8	0.4	1.0	0.5	1.0	1.0	9,9
142 ok T,s=8,m=129	0.0		0.6	6.30e-03	0,9,17	0.6	0.6	1.0	0.3	1.0	1.0	9,9
	71.0		0.6	5.72e-03	0,9,38	0.6	0.6	1.0	0.4	1.0	1.0	9,9
	142.0		0.6	5.35e-03	0,9,38	0.7	0.6	1.0	0.4	1.0	1.0	9,9
143 ok T,s=8,m=129	0.0		0.7	6.67e-03	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
	71.0		0.7	5.52e-03	0,9,33	0.8	0.4	1.0	0.5	1.0	1.0	9,9
	142.0		0.7	5.24e-03	0,9,33	0.8	0.4	1.0	0.5	1.0	1.0	9,9
144 ok T,s=8,m=129	0.0		0.6	7.23e-03	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.6	5.77e-03	0,9,33	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.7	5.47e-03	0,9,33	0.7	0.4	1.0	0.5	1.0	1.0	9,9
145 ok T,s=8,m=129	0.0		0.5	7.47e-03	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.6	5.63e-03	0,9,33	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.6	5.35e-03	0,9,33	0.7	0.4	1.0	0.4	1.0	1.0	9,9
146 ok T,s=8,m=129	0.0	8.33e-02		5.00e-03	41,0,31				4.54e-03	1.0	1.0	0,39
	71.0	8.22e-02		5.00e-03	39,0,31				4.76e-03	1.0	1.0	0,39
	142.0	9.17e-02		5.00e-03	31,0,31				4.62e-03	1.0	1.0	0,31
147 ok T,s=9,m=129	0.0	1.85e-03	4.07e-04	2.84e-02	25,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.44e-02	3.86e-02	2.18e-02	25,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	1.85e-03	4.07e-04	2.84e-02	25,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
148 ok T,s=9,m=129	0.0		4.40e-04	2.24e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	1.59e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.40e-04	2.24e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
149 ok T,s=9,m=129	0.0		7.44e-04	1.69e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.89e-02	1.04e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.44e-04	1.69e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
150 ok T,s=9,m=129	0.0		9.06e-04	1.16e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	5.07e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.06e-04	1.16e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
151 ok T,s=9,m=129	0.0		8.92e-04	6.72e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	9.42e-04	0,9,17	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.92e-04	6.72e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
152 ok T,s=9,m=129	0.0		9.02e-04	1.19e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	5.38e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.02e-04	1.19e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
153 ok T,s=9,m=129	0.0		7.32e-04	1.73e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.89e-02	1.07e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.32e-04	1.73e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
154 ok T,s=9,m=129	0.0		4.30e-04	2.28e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	1.62e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.30e-04	2.28e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
155 ok T,s=9,m=129	0.0	2.13e-03	4.13e-04	2.88e-02	27,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.47e-02	3.86e-02	2.22e-02	27,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	2.13e-03	4.13e-04	2.88e-02	27,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
156 ok T,s=8,m=129	0.0	8.49e-02		1.50e-02	9,0,46				4.97e-03	1.0	1.0	0,9
	71.0	8.00e-02		1.50e-02	44,0,46				4.23e-03	1.0	1.0	0,44

	142.0	9.09e-02		1.49e-02	44,0,46				4.37e-03	1.0	1.0	0,44
157 ok T,s=8,m=129	0.0		0.4	4.46e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.5	3.86e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.5	3.31e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
158 ok T,s=8,m=129	0.0		0.5	4.24e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.5	3.64e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.6	3.10e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
159 ok T,s=8,m=129	0.0		0.5	4.04e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.6	3.44e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.7	2.90e-02	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
160 ok T,s=8,m=129	0.0		0.4	3.79e-02	0,9,9	0.4	0.6	1.0	0.2	1.0	1.0	9,9
	71.0		0.5	3.19e-02	0,9,9	0.5	0.6	1.0	0.3	1.0	1.0	9,9
	142.0		0.6	2.65e-02	0,9,9	0.6	0.6	1.0	0.3	1.0	1.0	9,9
161 ok T,s=8,m=129	0.0		0.5	4.01e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.6	3.40e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	142.0		0.7	2.86e-02	0,9,9	0.7	0.4	1.0	0.5	1.0	1.0	9,9
162 ok T,s=8,m=129	0.0		0.5	4.23e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.5	3.63e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	142.0		0.6	3.09e-02	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
163 ok T,s=8,m=129	0.0		0.4	4.45e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	71.0		0.5	3.85e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.5	3.30e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
164 ok T,s=8,m=129	0.0	8.54e-02		1.50e-02	9,0,41				5.03e-03	1.0	1.0	0,9
	71.0	7.74e-02		1.49e-02	39,0,41				4.24e-03	1.0	1.0	0,39
	142.0	8.84e-02		1.49e-02	31,0,41				4.38e-03	1.0	1.0	0,39
165 ok T,s=9,m=129	0.0	2.21e-03	1.65e-04	4.15e-02	37,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.5	1.48e-02	3.84e-02	3.50e-02	37,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	193.0	2.21e-03	1.65e-04	4.15e-02	37,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
166 ok T,s=9,m=129	0.0		4.88e-04	3.53e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	2.87e-02	0,9,9	0.3	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.88e-04	3.53e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
167 ok T,s=9,m=129	0.0		7.80e-04	2.70e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	2.05e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.80e-04	2.70e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
168 ok T,s=9,m=129	0.0		9.36e-04	1.71e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	1.05e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.36e-04	1.71e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
169 ok T,s=9,m=129	0.0		8.98e-04	6.90e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	2.69e-03	0,9,21	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.98e-04	6.90e-03	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
170 ok T,s=9,m=129	0.0		9.33e-04	1.77e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	1.12e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.33e-04	1.77e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
171 ok T,s=9,m=129	0.0		7.69e-04	2.76e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	2.10e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		7.69e-04	2.76e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
172 ok T,s=9,m=129	0.0		4.72e-04	3.57e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	2.91e-02	0,9,9	0.3	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.72e-04	3.57e-02	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
173 ok T,s=9,m=129	0.0	2.50e-03	1.54e-04	4.19e-02	43,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	96.5	1.51e-02	3.83e-02	3.53e-02	43,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	193.0	2.50e-03	1.54e-04	4.19e-02	43,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
174 ok T,s=8,m=129	0.0	0.1		2.46e-02	9,0,9				1.13e-02	1.0	1.0	0,9
	71.0	8.94e-02		2.64e-02	9,0,9				6.76e-03	1.0	1.0	0,9
	142.0	8.74e-02		2.87e-02	44,0,9				3.46e-03	1.0	1.0	0,44
175 ok T,s=8,m=129	0.0		0.1	0.1	0,9,9	0.2	0.4	1.0	7.11e-02	1.0	1.0	9,9
	71.0		0.3	0.1	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.4	9.09e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
176 ok T,s=8,m=129	0.0		0.2	0.1	0,9,9	0.3	0.4	1.0	7.02e-02	1.0	1.0	9,9
	71.0		0.3	9.62e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.5	8.70e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
177 ok T,s=8,m=129	0.0		0.3	0.1	0,9,9	0.3	0.4	1.0	9.87e-02	1.0	1.0	9,9
	71.0		0.4	9.14e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.5	8.22e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
178 ok T,s=8,m=129	0.0		0.2	9.69e-02	0,9,9	0.2	0.6	1.0	3.69e-02	1.0	1.0	9,9
	71.0		0.3	8.71e-02	0,9,9	0.3	0.6	1.0	9.89e-02	1.0	1.0	9,9
	142.0		0.4	7.79e-02	0,9,9	0.4	0.6	1.0	0.2	1.0	1.0	9,9
179 ok T,s=8,m=129	0.0		0.3	0.1	0,9,9	0.3	0.4	1.0	9.83e-02	1.0	1.0	9,9
	71.0		0.4	9.06e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.5	8.13e-02	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
180 ok T,s=8,m=129	0.0		0.2	0.1	0,9,9	0.3	0.4	1.0	7.07e-02	1.0	1.0	9,9
	71.0		0.3	9.63e-02	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.5	8.71e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
181 ok T,s=8,m=129	0.0		0.1	0.1	0,9,9	0.2	0.4	1.0	7.08e-02	1.0	1.0	9,9
	71.0		0.3	0.1	0,9,9	0.3	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.4	9.09e-02	0,9,9	0.5	0.4	1.0	0.2	1.0	1.0	9,9
182 ok T,s=8,m=129	0.0	0.1		2.46e-02	9,0,9				1.14e-02	1.0	1.0	0,9

	71.0	8.97e-02		2.64e-02	9,0,9				6.83e-03	1.0	1.0	0,9
	142.0	8.76e-02		2.87e-02	39,0,9				3.47e-03	1.0	1.0	0,39
183 ok T,s=9,m=129	0.0	2.34e-03	3.39e-04	0.1	37,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.49e-02	3.85e-02	0.1	37,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	2.34e-03	3.39e-04	0.1	37,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
184 ok T,s=9,m=129	0.0		4.70e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.70e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
185 ok T,s=9,m=129	0.0		8.44e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.44e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
186 ok T,s=9,m=129	0.0		9.85e-04	6.57e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.92e-02	5.92e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.85e-04	6.57e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
187 ok T,s=9,m=129	0.0		8.95e-04	8.74e-03	0,9,25	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	8.03e-03	0,9,25	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.95e-04	8.74e-03	0,9,25	0.3	0.1	1.0	0.3	1.0	1.0	9,9
188 ok T,s=9,m=129	0.0		9.85e-04	6.95e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.92e-02	6.30e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.85e-04	6.95e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
189 ok T,s=9,m=129	0.0		8.32e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.32e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
190 ok T,s=9,m=129	0.0		4.51e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.51e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
191 ok T,s=9,m=129	0.0	2.41e-03	3.35e-04	0.1	43,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.50e-02	3.85e-02	0.1	43,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	2.41e-03	3.35e-04	0.1	43,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
192 ok T,s=9,m=129	0.0	0.2	0.2	3.32e-02	30,26,9	0.2	0.1	1.0	9.65e-02	1.0	1.0	34,36
	96.4	3.69e-02	2.14e-02	4.33e-02	31,34,9	0.1	0.1	1.0	9.25e-02	1.0	1.0	36,36
	192.9	0.2	0.2	6.65e-02	35,27,9	0.2	0.1	1.0	9.52e-02	1.0	1.0	27,36
193 ok T,s=9,m=129	0.0	0.2	0.2	3.85e-02	30,42,9	0.2	0.1	1.0	2.86e-02	1.0	1.0	42,36
	96.4	5.68e-02	1.19e-02	6.18e-02	9,16,9	3.02e-02	0.1	1.0	2.64e-02	1.0	1.0	36,36
	192.9	0.3	0.2	9.83e-02	9,42,9	0.2	0.1	1.0	6.43e-02	1.0	1.0	42,9
194 ok T,s=9,m=129	0.0	0.2	5.76e-02	6.36e-02	30,32,9	5.79e-02	0.1	1.0	2.18e-02	1.0	1.0	32,9
	96.4	0.1	1.52e-02	0.1	9,32,9	1.55e-02	0.1	1.0	8.33e-03	1.0	1.0	32,9
	192.9	0.4	0.1	0.2	9,32,9	0.1	0.1	1.0	0.2	1.0	1.0	32,9
195 ok T,s=9,m=129	0.0	0.2		4.00e-02	27,0,9				2.12e-02	1.0	1.0	0,9
	96.4	9.48e-02		7.74e-02	9,0,9				5.17e-03	1.0	1.0	0,9
	192.8	0.4		0.1	9,0,9				0.1	1.0	1.0	0,9
196 ok T,s=9,m=129	0.0	0.2		2.38e-02	24,0,9				1.76e-02	1.0	1.0	0,9
	96.4	6.96e-02		5.53e-02	9,0,9				2.56e-03	1.0	1.0	0,9
	192.8	0.3		9.98e-02	9,0,9				9.61e-02	1.0	1.0	0,9
197 ok T,s=9,m=129	0.0	0.2		4.19e-02	25,0,9				2.15e-02	1.0	1.0	0,9
	96.4	9.76e-02		7.99e-02	9,0,9				5.53e-03	1.0	1.0	0,9
	192.8	0.4		0.1	9,0,9				0.1	1.0	1.0	0,9
198 ok T,s=9,m=129	0.0	0.2	0.1	6.17e-02	24,44,9	0.1	0.1	1.0	2.10e-02	1.0	1.0	44,9
	96.4	0.1	1.61e-02	0.1	9,44,9	1.77e-02	0.1	1.0	7.73e-03	1.0	1.0	42,9
	192.8	0.4	0.2	0.2	9,44,9	0.2	0.1	1.0	0.2	1.0	1.0	44,9
199 ok T,s=9,m=129	0.0	0.2	0.2	3.78e-02	24,32,9	0.2	0.1	1.0	3.05e-02	1.0	1.0	32,46
	96.4	5.49e-02	1.17e-02	6.04e-02	9,22,9	3.25e-02	0.1	1.0	2.82e-02	1.0	1.0	46,46
	192.8	0.3	0.2	9.60e-02	9,32,9	0.2	0.1	1.0	6.11e-02	1.0	1.0	32,9
200 ok T,s=9,m=129	0.0	0.2	0.2	3.33e-02	45,24,9	0.2	0.1	1.0	0.1	1.0	1.0	40,46
	96.4	3.73e-02	2.25e-02	4.27e-02	41,40,9	0.1	0.1	1.0	9.64e-02	1.0	1.0	46,46
	192.8	0.2	0.2	6.52e-02	45,29,9	0.2	0.1	1.0	9.90e-02	1.0	1.0	9,46
201 ok T,s=8,m=129	0.0	8.17e-02	0.1	2.94e-02	33,9,9	0.1	0.4	1.0	1.55e-02	1.0	1.0	9,9
	71.0	3.98e-02	0.1	3.04e-02	33,9,9	0.1	0.4	1.0	1.22e-02	1.0	1.0	9,9
	142.0	5.65e-02	8.59e-02	3.20e-02	42,9,9	8.80e-02	0.4	1.0	8.15e-03	1.0	1.0	9,9
202 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.64e-02	1.0	1.0	9,9
	71.0		5.85e-02	0.2	0,25,9	7.68e-02	0.4	1.0	5.44e-02	1.0	1.0	25,9
	142.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.44e-02	1.0	1.0	9,9
203 ok T,s=8,m=129	0.0		0.1	0.2	0,9,9	0.2	0.4	1.0	5.19e-02	1.0	1.0	9,9
	71.0		8.17e-02	0.2	0,24,9	0.1	0.4	1.0	5.18e-02	1.0	1.0	9,9
	142.0		0.2	0.2	0,9,9	0.3	0.4	1.0	7.15e-02	1.0	1.0	9,9
204 ok T,s=8,m=129	0.0		0.1	0.2	0,25,9	0.2	0.4	1.0	6.71e-02	1.0	1.0	9,9
	71.0		0.1	0.2	0,9,9	0.2	0.4	1.0	6.70e-02	1.0	1.0	9,9
	142.0		0.3	0.2	0,9,9	0.3	0.4	1.0	0.1	1.0	1.0	9,9
205 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.6	1.0	4.51e-02	1.0	1.0	9,9
	71.0		0.1	0.2	0,26,9	0.1	0.6	1.0	1.48e-02	1.0	1.0	26,9
	142.0		0.2	0.2	0,9,9	0.2	0.6	1.0	3.60e-02	1.0	1.0	9,9
206 ok T,s=8,m=129	0.0		0.1	0.2	0,18,9	0.2	0.4	1.0	6.68e-02	1.0	1.0	9,9
	71.0		0.1	0.2	0,9,9	0.2	0.4	1.0	6.67e-02	1.0	1.0	9,9
	142.0		0.3	0.2	0,9,9	0.3	0.4	1.0	0.1	1.0	1.0	9,9
207 ok T,s=8,m=129	0.0		0.1	0.2	0,9,9	0.2	0.4	1.0	5.21e-02	1.0	1.0	9,9
	71.0		8.20e-02	0.2	0,15,9	0.1	0.4	1.0	5.20e-02	1.0	1.0	9,9
	142.0		0.2	0.2	0,9,9	0.3	0.4	1.0	7.20e-02	1.0	1.0	9,9

208 ok T,s=8,m=129	0.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.66e-02	1.0	1.0	9,9
	71.0		5.92e-02	0.2	0,18,9	7.75e-02	0.4	1.0	5.42e-02	1.0	1.0	18,9
	142.0		0.2	0.2	0,9,9	0.2	0.4	1.0	5.42e-02	1.0	1.0	9,9
209 ok T,s=8,m=129	0.0	8.22e-02	0.1	2.96e-02	38,9,9	0.1	0.4	1.0	1.55e-02	1.0	1.0	9,9
	71.0	3.97e-02	0.1	3.06e-02	38,9,9	0.1	0.4	1.0	1.23e-02	1.0	1.0	9,9
	142.0	5.67e-02	8.64e-02	3.22e-02	45,9,9	8.89e-02	0.4	1.0	8.32e-03	1.0	1.0	9,9
210 ok T,s=9,m=129	0.0	4.73e-03	2.54e-04	5.48e-03	9,26,38	1.08e-03	0.1	1.0	8.26e-04	1.0	1.0	26,26
	75.0	9.14e-03	9.47e-03	5.58e-03	9,38,38	9.98e-03	0.1	1.0	8.55e-04	1.0	1.0	38,26
	150.0	3.91e-02	2.48e-02	5.86e-03	9,38,38	2.56e-02	0.1	1.0	1.18e-03	1.0	1.0	38,9
211 ok T,s=9,m=129	0.0		4.62e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.87e-02	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.62e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
212 ok T,s=9,m=129	0.0	6.38e-03	6.79e-04	4.68e-03	9,39,42	2.89e-03	0.1	1.0	2.21e-03	1.0	1.0	39,39
	75.0	1.55e-02	1.08e-02	5.08e-03	9,39,42	1.30e-02	0.1	1.0	2.23e-03	1.0	1.0	39,39
	150.0	6.77e-02	3.23e-02	1.01e-02	9,39,9	3.45e-02	0.1	1.0	4.06e-03	1.0	1.0	39,9
213 ok T,s=9,m=129	0.0	2.63e-03	3.20e-04	0.1	34,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.52e-02	3.85e-02	0.1	34,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	2.63e-03	3.20e-04	0.1	34,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
214 ok T,s=9,m=129	0.0	6.58e-03	6.67e-04	5.59e-03	9,39,39	2.84e-03	0.1	1.0	2.17e-03	1.0	1.0	39,39
	75.0	1.46e-02	1.25e-02	5.78e-03	9,39,42	1.47e-02	0.1	1.0	2.21e-03	1.0	1.0	39,39
	150.0	6.60e-02	3.58e-02	9.00e-03	9,39,9	3.80e-02	0.1	1.0	4.04e-03	1.0	1.0	39,9
215 ok T,s=9,m=129	0.0		9.87e-04	6.55e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.92e-02	5.90e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.87e-04	6.55e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
216 ok T,s=9,m=129	0.0	6.80e-03	7.12e-04	5.15e-03	9,39,19	3.03e-03	0.1	1.0	2.32e-03	1.0	1.0	39,39
	75.0	1.59e-02	1.22e-02	5.34e-03	9,39,19	1.46e-02	0.1	1.0	2.34e-03	1.0	1.0	39,39
	150.0	6.87e-02	3.52e-02	1.08e-02	9,39,9	3.75e-02	0.1	1.0	4.02e-03	1.0	1.0	39,9
217 ok T,s=9,m=129	0.0		8.86e-04	8.82e-03	0,9,18	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.91e-02	8.11e-03	0,9,18	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.86e-04	8.82e-03	0,9,18	0.3	0.1	1.0	0.3	1.0	1.0	9,9
218 ok T,s=9,m=129	0.0	6.39e-03	6.84e-04	6.15e-03	9,31,34	2.91e-03	0.1	1.0	2.22e-03	1.0	1.0	31,31
	75.0	1.54e-02	1.28e-02	6.58e-03	9,31,34	1.50e-02	0.1	1.0	2.26e-03	1.0	1.0	31,31
	150.0	6.75e-02	3.64e-02	9.93e-03	9,31,9	3.86e-02	0.1	1.0	4.06e-03	1.0	1.0	31,9
219 ok T,s=9,m=129	0.0		8.52e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.52e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
220 ok T,s=9,m=129	0.0	6.44e-03	7.02e-04	5.66e-03	9,31,34	2.98e-03	0.1	1.0	2.28e-03	1.0	1.0	31,31
	75.0	1.51e-02	1.25e-02	5.72e-03	9,31,34	1.48e-02	0.1	1.0	2.31e-03	1.0	1.0	31,31
	150.0	6.69e-02	3.59e-02	9.52e-03	9,31,9	3.81e-02	0.1	1.0	4.05e-03	1.0	1.0	31,9
221 ok T,s=9,m=129	0.0		9.90e-04	6.96e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.92e-02	6.30e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		9.90e-04	6.96e-02	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
222 ok T,s=9,m=129	0.0	6.94e-03	6.04e-04	4.66e-03	9,31,15	2.57e-03	0.1	1.0	1.96e-03	1.0	1.0	31,31
	75.0	1.68e-02	1.17e-02	5.56e-03	9,31,9	1.37e-02	0.1	1.0	1.99e-03	1.0	1.0	31,31
	150.0	7.06e-02	3.42e-02	1.21e-02	9,31,9	3.62e-02	0.1	1.0	4.01e-03	1.0	1.0	31,9
223 ok T,s=9,m=129	0.0		8.43e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	96.5		3.90e-02	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
	193.0		8.43e-04	0.1	0,9,9	0.3	0.1	1.0	0.3	1.0	1.0	9,9
224 ok T,s=9,m=129	0.0	6.46e-03	3.59e-04	4.59e-03	9,31,34	1.53e-03	0.1	1.0	1.17e-03	1.0	1.0	31,31
	75.0	1.49e-02	1.13e-02	4.68e-03	9,31,34	1.25e-02	0.1	1.0	1.19e-03	1.0	1.0	31,31
	150.0	6.66e-02	3.38e-02	9.33e-03	9,31,9	3.49e-02	0.1	1.0	4.05e-03	1.0	1.0	31,9
225 ok T,s=9,m=129	0.0		4.46e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5		3.86e-02	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0		4.46e-04	0.1	0,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
226 ok T,s=9,m=129	0.0	1.67e-02		2.73e-03	9,0,34				1.39e-04	1.0	1.0	0,9
	75.0	1.87e-02		6.10e-03	9,0,9				1.55e-04	1.0	1.0	0,9
	150.0	9.27e-02		1.92e-02	9,0,9				7.25e-03	1.0	1.0	0,9
227 ok T,s=9,m=129	0.0	1.86e-03	3.41e-04	0.1	40,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	96.5	1.44e-02	3.85e-02	0.1	40,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
	193.0	1.86e-03	3.41e-04	0.1	40,9,9	0.2	0.1	1.0	0.2	1.0	1.0	9,9
228 ok T,s=8,m=129	0.0	3.14e-02	2.91e-02	1.74e-02	20,9,20	2.94e-02	0.4	1.0	1.52e-03	1.0	1.0	9,21
	75.0	1.44e-02	1.13e-02	1.74e-02	15,9,20	1.15e-02	0.4	1.0	1.45e-03	1.0	1.0	9,29
	150.0	2.07e-03	1.77e-03	1.74e-02	28,29,20	3.20e-03	0.4	1.0	1.43e-03	1.0	1.0	29,29
229 ok T,s=8,m=129	0.0	2.04e-02	1.65e-02	8.39e-03	9,26,21	1.66e-02	0.4	1.0	2.79e-04	1.0	1.0	26,9
	75.0	7.81e-03	7.17e-03	8.25e-03	18,26,21	7.22e-03	0.4	1.0	1.94e-04	1.0	1.0	26,38
	150.0	1.13e-03	2.30e-04	8.24e-03	9,38,21	4.17e-04	0.4	1.0	1.86e-04	1.0	1.0	38,38
230 ok T,s=9,m=129	0.0	3.29e-03	1.96e-04	4.92e-02	28,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
	97.0	1.60e-02	3.90e-02	4.25e-02	28,9,9	0.2	0.1	1.0	0.1	1.0	1.0	9,9
	194.1	3.29e-03	1.96e-04	4.92e-02	28,9,9	0.1	0.1	1.0	0.1	1.0	1.0	9,9
231 ok T,s=8,m=129	0.0	3.11e-02	4.19e-02	2.01e-02	23,9,9	4.21e-02	0.4	1.0	1.46e-03	1.0	1.0	9,9
	75.0	1.43e-02	1.81e-02	1.90e-02	23,9,9	1.84e-02	0.4	1.0	8.27e-04	1.0	1.0	9,9
	150.0	5.73e-04	9.13e-04	1.88e-02	27,30,9	1.65e-03	0.4	1.0	7.37e-04	1.0	1.0	30,30
232 ok T,s=8,m=129	0.0	4.34e-02	0.1	4.21e-02	24,9,9	0.1	0.4	1.0	1.49e-02	1.0	1.0	9,9
	75.9	5.92e-02	0.1	4.22e-02	28,9,9	0.1	0.4	1.0	1.38e-02	1.0	1.0	9,9
	151.8	0.1	0.2	4.35e-02	20,36,9	0.2	0.4	1.0	2.25e-02	1.0	1.0	36,32
233 ok T,s=8,m=129	0.0		4.05e-02	1.70e-02	0,9,9	4.45e-02	0.4	1.0	5.04e-03	1.0	1.0	9,9
	75.0		1.91e-02	1.59e-02	0,9,9	2.28e-02	0.4	1.0	4.59e-03	1.0	1.0	9,9

	150.0		5.51e-03	1.57e-02	0,9,9	9.95e-03	0.4	1.0	4.45e-03	1.0	1.0	9,9
234 ok T,s=8,m=129	0.0	1.21e-02		3.32e-03	9,0,32				6.81e-05	1.0	1.0	0,1
	75.0	9.08e-03		3.17e-03	9,0,32				2.57e-05	1.0	1.0	0,9
	150.0	1.34e-02		3.13e-03	9,0,32				8.93e-05	1.0	1.0	0,9
235 ok T,s=8,m=129	0.0		3.99e-02	1.67e-02	0,9,9	4.42e-02	0.4	1.0	5.05e-03	1.0	1.0	9,9
	75.0		1.89e-02	1.56e-02	0,9,9	2.27e-02	0.4	1.0	4.62e-03	1.0	1.0	9,9
	150.0		5.55e-03	1.54e-02	0,9,9	1.00e-02	0.4	1.0	4.48e-03	1.0	1.0	9,9
236 ok T,s=8,m=129	0.0	4.34e-02	0.1	4.25e-02	15,9,9	0.1	0.4	1.0	1.51e-02	1.0	1.0	9,9
	75.9	5.93e-02	0.1	4.28e-02	19,9,9	0.1	0.4	1.0	1.39e-02	1.0	1.0	9,9
	151.8	0.1	0.2	4.41e-02	27,31,9	0.2	0.4	1.0	2.24e-02	1.0	1.0	31,35
237 ok T,s=8,m=129	0.0	3.11e-02	4.19e-02	2.01e-02	16,9,9	4.21e-02	0.4	1.0	1.35e-03	1.0	1.0	9,9
	75.0	1.43e-02	1.81e-02	1.90e-02	16,9,9	1.83e-02	0.4	1.0	7.31e-04	1.0	1.0	9,21
	150.0	6.92e-04	8.93e-04	1.88e-02	20,21,9	1.61e-03	0.4	1.0	7.21e-04	1.0	1.0	21,21
238 ok T,s=8,m=129	0.0		0.1	0.3	0,9,9	0.2	0.4	1.0	4.05e-02	1.0	1.0	9,9
	75.9		0.4	0.3	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
239 ok T,s=8,m=129	0.0	2.06e-02	1.67e-02	8.50e-03	9,17,30	1.67e-02	0.4	1.0	2.83e-04	1.0	1.0	17,9
	75.0	7.87e-03	7.24e-03	8.33e-03	25,17,30	7.29e-03	0.4	1.0	2.17e-04	1.0	1.0	17,33
	150.0	1.06e-03	2.58e-04	8.29e-03	32,33,30	4.67e-04	0.4	1.0	2.09e-04	1.0	1.0	33,33
240 ok T,s=8,m=129	0.0		0.1	0.3	0,23,9	0.1	0.4	1.0	4.27e-02	1.0	1.0	9,9
	75.9		0.4	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
241 ok T,s=8,m=129	0.0		0.2	0.3	0,9,9	0.2	0.6	1.0	3.90e-02	1.0	1.0	9,9
	75.9		0.4	0.3	0,9,9	0.4	0.6	1.0	0.2	1.0	1.0	9,9
	151.8		0.7	0.3	0,9,9	0.7	0.6	1.0	0.4	1.0	1.0	9,9
242 ok T,s=8,m=129	0.0		8.12e-02	0.3	0,27,9	0.1	0.4	1.0	5.34e-02	1.0	1.0	27,9
	75.9		0.3	0.3	0,9,9	0.3	0.4	1.0	9.85e-02	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
243 ok T,s=8,m=129	0.0		8.10e-02	0.3	0,20,9	0.1	0.4	1.0	5.33e-02	1.0	1.0	20,9
	75.9		0.3	0.3	0,9,9	0.3	0.4	1.0	9.74e-02	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
244 ok T,s=8,m=129	0.0	3.16e-02	2.93e-02	1.75e-02	27,9,27	2.96e-02	0.4	1.0	1.53e-03	1.0	1.0	9,30
	75.0	1.45e-02	1.15e-02	1.75e-02	24,9,27	1.16e-02	0.4	1.0	1.46e-03	1.0	1.0	9,22
	150.0	2.07e-03	1.78e-03	1.75e-02	19,22,27	3.22e-03	0.4	1.0	1.44e-03	1.0	1.0	22,22
245 ok T,s=9,m=129	0.0	2.11e-02	9.13e-04	5.80e-03	9,37,20	1.22e-03	1.0	1.0	3.09e-04	1.0	1.0	37,37
	75.0	1.61e-02	8.61e-03	6.33e-03	9,33,20	8.89e-03	1.0	1.0	3.65e-04	1.0	1.0	33,37
	150.0	8.78e-02	3.18e-02	1.81e-02	9,33,9	3.21e-02	1.0	1.0	6.25e-03	1.0	1.0	33,9
246 ok T,s=9,m=129	0.0	2.02e-02	1.43e-03	5.54e-03	9,43,18	1.90e-03	1.0	1.0	4.85e-04	1.0	1.0	43,43
	75.0	1.68e-02	8.79e-03	5.89e-03	9,31,18	8.96e-03	1.0	1.0	5.47e-04	1.0	1.0	31,43
	150.1	8.98e-02	3.28e-02	1.86e-02	9,31,9	3.30e-02	1.0	1.0	6.66e-03	1.0	1.0	31,9
247 ok T,s=9,m=129	0.0	8.83e-02	3.24e-02	1.82e-02	9,46,9	3.24e-02	1.0	1.0	6.34e-03	1.0	1.0	46,9
	75.0	1.65e-02	8.71e-03	6.17e-03	9,38,27	9.05e-03	1.0	1.0	4.13e-04	1.0	1.0	38,34
	150.0	2.03e-02	1.05e-03	5.84e-03	9,34,27	1.40e-03	1.0	1.0	3.56e-04	1.0	1.0	34,34
248 ok T,s=8,m=129	0.0		0.1	0.3	0,9,9	0.2	0.4	1.0	4.04e-02	1.0	1.0	9,9
	75.9		0.4	0.3	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
249 ok T,s=8,m=129	0.0		0.1	0.3	0,16,9	0.1	0.4	1.0	4.27e-02	1.0	1.0	9,9
	75.9		0.4	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	151.8		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
250 ok T,s=8,m=129	0.0	3.50e-02	2.78e-02	1.75e-02	9,34,31	2.80e-02	1.0	1.0	1.41e-03	1.0	1.0	34,30
	75.0	1.45e-02	1.23e-02	1.72e-02	31,34,31	1.25e-02	1.0	1.0	1.29e-03	1.0	1.0	34,30
	150.0	8.02e-03	3.77e-03	1.72e-02	27,30,31	5.02e-03	1.0	1.0	1.28e-03	1.0	1.0	30,30
251 ok T,s=9,m=129	0.0	0.2	0.2	6.74e-02	32,20,9	0.2	0.1	1.0	9.33e-02	1.0	1.0	20,31
	96.5	3.81e-02	2.30e-02	4.37e-02	36,9,9	0.1	0.1	1.0	9.06e-02	1.0	1.0	31,31
	193.0	0.2	0.2	3.31e-02	21,41,9	0.2	0.1	1.0	9.46e-02	1.0	1.0	37,31
252 ok T,s=9,m=129	0.0	0.3	0.2	9.90e-02	9,45,9	0.2	0.1	1.0	6.50e-02	1.0	1.0	45,9
	96.5	5.79e-02	1.21e-02	6.24e-02	9,23,9	3.18e-02	0.1	1.0	2.82e-02	1.0	1.0	31,31
	193.0	0.2	0.2	3.88e-02	21,45,9	0.2	0.1	1.0	3.04e-02	1.0	1.0	45,31
253 ok T,s=9,m=129	0.0	0.4	0.1	0.2	9,35,9	0.1	0.1	1.0	0.2	1.0	1.0	35,9
	96.5	0.1	1.53e-02	0.1	9,35,9	1.66e-02	0.1	1.0	8.36e-03	1.0	1.0	35,9
	193.0	0.2	5.74e-02	6.39e-02	21,35,9	5.87e-02	0.1	1.0	2.18e-02	1.0	1.0	35,9
254 ok T,s=9,m=129	0.0	0.4		0.1	9,0,9				0.1	1.0	1.0	0,9
	96.5	9.47e-02		7.74e-02	9,0,9				5.16e-03	1.0	1.0	0,9
	193.0	0.2		4.00e-02	20,0,9				2.12e-02	1.0	1.0	0,9
255 ok T,s=9,m=129	0.0	0.3		9.98e-02	9,0,9				9.62e-02	1.0	1.0	0,9
	96.5	6.99e-02		5.52e-02	9,0,9				2.55e-03	1.0	1.0	0,9
	193.0	0.2		2.37e-02	15,0,9				1.76e-02	1.0	1.0	0,9
256 ok T,s=9,m=129	0.0	0.4		0.1	9,0,9				0.1	1.0	1.0	0,9
	96.5	9.76e-02		7.98e-02	9,0,9				5.54e-03	1.0	1.0	0,9
	193.0	0.2		4.18e-02	18,0,9				2.16e-02	1.0	1.0	0,9
257 ok T,s=9,m=129	0.0	0.4	0.2	0.2	9,39,9	0.2	0.1	1.0	0.2	1.0	1.0	39,9
	96.5	0.1	1.60e-02	0.1	9,39,9	1.92e-02	0.1	1.0	7.71e-03	1.0	1.0	45,9
	193.0	0.2	0.1	6.14e-02	15,39,9	0.1	0.1	1.0	2.10e-02	1.0	1.0	39,9
258 ok T,s=9,m=129	0.0	0.3	0.2	9.55e-02	9,31,9	0.2	0.1	1.0	6.03e-02	1.0	1.0	31,9
	96.5	5.42e-02	1.14e-02	5.99e-02	9,29,9	3.37e-02	0.1	1.0	2.92e-02	1.0	1.0	41,41
	193.0	0.2	0.2	3.75e-02	15,31,9	0.2	0.1	1.0	3.16e-02	1.0	1.0	31,41
259 ok T,s=9,m=129	0.0	0.2	0.2	6.42e-02	42,22,9	0.2	0.1	1.0	9.63e-02	1.0	1.0	9,41

	96.5	3.53e-02	2.34e-02	4.23e-02	46,43,9	0.1	0.1	1.0	9.37e-02	1.0	1.0	41,41
	193.0	0.2	0.2	3.34e-02	15,19,9	0.2	0.1	1.0	9.77e-02	1.0	1.0	43,41
260 ok T,s=8,m=129	0.0	0.1	0.2	4.42e-02	25,41,9	0.2	0.4	1.0	2.31e-02	1.0	1.0	41,45
	71.0	6.16e-02	0.1	4.32e-02	21,9,9	0.1	0.4	1.0	1.38e-02	1.0	1.0	9,9
	142.0	4.05e-02	0.1	4.30e-02	21,9,9	0.1	0.4	1.0	1.52e-02	1.0	1.0	9,9
261 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.4	0.3	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.2	0.3	0,9,9	0.2	0.4	1.0	4.27e-02	1.0	1.0	9,9
262 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.4	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.1	0.3	0,9,9	0.2	0.4	1.0	4.23e-02	1.0	1.0	9,9
263 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.3	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		9.23e-02	0.3	0,25,9	0.1	0.4	1.0	5.29e-02	1.0	1.0	9,9
264 ok T,s=8,m=129	0.0		0.7	0.3	0,9,9	0.7	0.6	1.0	0.4	1.0	1.0	9,9
	71.0		0.4	0.3	0,9,9	0.4	0.6	1.0	0.2	1.0	1.0	9,9
	142.0		0.2	0.3	0,9,9	0.2	0.6	1.0	4.91e-02	1.0	1.0	9,9
265 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.6	0.4	1.0	0.3	1.0	1.0	9,9
	71.0		0.3	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		9.23e-02	0.3	0,18,9	0.1	0.4	1.0	5.28e-02	1.0	1.0	9,9
266 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.4	0.3	0,9,9	0.4	0.4	1.0	0.1	1.0	1.0	9,9
	142.0		0.1	0.3	0,9,9	0.2	0.4	1.0	4.23e-02	1.0	1.0	9,9
267 ok T,s=8,m=129	0.0		0.6	0.3	0,9,9	0.7	0.4	1.0	0.4	1.0	1.0	9,9
	71.0		0.4	0.3	0,9,9	0.4	0.4	1.0	0.2	1.0	1.0	9,9
	142.0		0.2	0.3	0,9,9	0.2	0.4	1.0	4.30e-02	1.0	1.0	9,9
268 ok T,s=8,m=129	0.0	0.1	0.2	4.50e-02	18,46,9	0.2	0.4	1.0	2.28e-02	1.0	1.0	46,42
	71.0	6.10e-02	0.1	4.39e-02	30,9,9	0.1	0.4	1.0	1.36e-02	1.0	1.0	9,9
	142.0	3.96e-02	0.1	4.35e-02	30,9,9	0.1	0.4	1.0	1.53e-02	1.0	1.0	9,9
269 ok T,s=8,m=129	0.0	7.95e-03	3.74e-03	1.72e-02	18,15,46	4.98e-03	1.0	1.0	1.27e-03	1.0	1.0	15,15
	75.0	1.45e-02	1.21e-02	1.72e-02	46,43,46	1.23e-02	1.0	1.0	1.28e-03	1.0	1.0	43,15
	150.0	3.53e-02	2.74e-02	1.76e-02	9,43,46	2.76e-02	1.0	1.0	1.40e-03	1.0	1.0	43,15

Elem.	**Ver N+/M**	**Ver N-/M**	**Ver V/T**	**Ver N(s)**	**Kcy**	**Kcz**	**Ver M(s)**	**Kcrit(y)**	**Kcrit(z)**
					0.10	0.97		1.00	1.00
	0.43	0.71	0.34	0.80			0.54		

Elem.	**w,net R**	**w,net F**	**w,net P**	**Rif. cmb**	**Kdef**	**w,net Ri**	**w,net Fi**	**w,net Pi**	**Rif. cmb**
46	0.2	0.2	0.1	83,88,91	0.8	0.3	0.3	0.3	83,88,91
47	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.6	83,88,91
48	3.1	2.3	2.1	83,88,91	0.8	5.6	4.8	3.8	83,88,91
49	4.3	3.2	2.9	83,88,91	0.8	7.7	6.6	5.2	83,88,91
50	5.0	3.7	3.4	83,88,91	0.8	9.1	7.8	6.2	83,88,91
51	3.4	2.5	2.3	83,88,91	0.8	6.2	5.3	4.2	83,88,91
52	5.0	3.8	3.4	83,88,91	0.8	9.1	7.8	6.2	83,88,91
53	4.2	3.2	2.9	83,88,91	0.8	7.6	6.6	5.2	83,88,91
54	3.1	2.3	2.1	83,88,91	0.8	5.6	4.8	3.8	83,88,91
55	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.7	83,88,91
56	0.2	0.2	0.1	83,88,91	0.8	0.4	0.3	0.3	83,88,91
57	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91
58	0.6	0.5	0.4	83,88,91	0.8	1.1	1.0	0.8	83,88,91
59	0.9	0.7	0.6	83,88,91	0.8	1.7	1.4	1.2	83,88,91
60	1.0	0.7	0.7	83,88,91	0.8	1.7	1.5	1.2	83,88,91
61	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
62	1.4	1.1	1.0	83,88,91	0.8	2.6	2.2	1.8	83,88,91
63	1.3	0.9	0.9	83,88,91	0.8	2.3	2.0	1.6	83,88,91
64	1.0	0.7	0.7	83,88,91	0.8	1.7	1.5	1.2	83,88,91
65	0.9	0.7	0.6	83,88,91	0.8	1.7	1.5	1.2	83,88,91
66	0.6	0.5	0.4	83,88,91	0.8	1.2	1.0	0.8	83,88,91
67	0.8	0.6	0.5	83,88,91	0.8	1.4	1.2	1.0	83,88,91
68	5.0	3.7	3.4	83,88,91	0.8	9.0	7.7	6.1	83,88,91
69	5.9	4.4	4.0	83,88,91	0.8	10.6	9.1	7.2	83,88,91
70	6.4	4.8	4.4	83,88,91	0.8	11.6	9.9	7.9	83,88,91
71	5.4	4.1	3.7	83,88,91	0.8	9.8	8.4	6.7	83,88,91
72	6.4	4.8	4.4	83,88,91	0.8	11.6	9.9	7.9	83,88,91
73	5.9	4.4	4.0	83,88,91	0.8	10.7	9.1	7.3	83,88,91
74	5.0	3.7	3.4	83,88,91	0.8	9.0	7.7	6.1	83,88,91
75	0.8	0.6	0.5	83,88,91	0.8	1.4	1.2	1.0	83,88,91
76	0.9	0.7	0.6	83,88,91	0.8	1.7	1.4	1.1	83,88,91
77	1.6	1.2	1.1	83,88,91	0.8	2.9	2.4	1.9	83,88,91
78	2.1	1.6	1.4	83,88,91	0.8	3.8	3.2	2.6	83,88,91
79	2.4	1.8	1.6	83,88,91	0.8	4.4	3.7	3.0	83,88,91
80	2.5	1.9	1.7	83,88,91	0.8	4.6	3.9	3.1	83,88,91
81	2.4	1.8	1.6	83,88,91	0.8	4.3	3.7	2.9	83,88,91
82	2.1	1.5	1.4	83,88,91	0.8	3.7	3.2	2.5	83,88,91
83	1.5	1.1	1.0	83,88,91	0.8	2.8	2.4	1.9	83,88,91

84	0.9	0.6	0.6	83,88,91	0.8	1.6	1.3	1.1	83,88,91
85	0.4	0.3	0.3	83,88,91	0.8	0.8	0.7	0.5	83,88,91
86	4.3	3.2	2.9	83,88,91	0.8	7.8	6.7	5.3	83,88,91
87	5.0	3.7	3.4	83,88,91	0.8	9.0	7.8	6.1	83,88,91
88	5.4	4.0	3.7	83,88,91	0.8	9.7	8.3	6.6	83,88,91
89	4.7	3.5	3.2	83,88,91	0.8	8.5	7.3	5.8	83,88,91
90	5.4	4.0	3.7	83,88,91	0.8	9.7	8.3	6.6	83,88,91
91	5.0	3.7	3.4	83,88,91	0.8	9.0	7.8	6.2	83,88,91
92	4.3	3.2	2.9	83,88,91	0.8	7.8	6.7	5.3	83,88,91
93	0.4	0.3	0.3	83,88,91	0.8	0.8	0.7	0.5	83,88,91
94	0.7	0.5	0.5	83,88,91	0.8	1.2	1.1	0.8	83,88,91
95	1.1	0.8	0.7	83,88,91	0.8	1.9	1.6	1.3	83,88,91
96	1.3	1.0	0.9	83,88,91	0.8	2.3	2.0	1.6	83,88,91
97	1.5	1.1	1.0	83,88,91	0.8	2.6	2.2	1.8	83,88,91
98	1.5	1.1	1.0	83,88,91	0.8	2.7	2.3	1.8	83,88,91
99	1.4	1.1	1.0	83,88,91	0.8	2.6	2.2	1.8	83,88,91
100	1.3	1.0	0.9	83,88,91	0.8	2.3	2.0	1.6	83,88,91
101	1.0	0.8	0.7	83,88,91	0.8	1.9	1.6	1.3	83,88,91
102	0.7	0.5	0.4	83,88,91	0.8	1.2	1.0	0.8	83,88,91
103	0.2	0.2	0.2	83,88,91	0.8	0.4	0.4	0.3	83,88,91
104	2.9	2.1	2.0	83,88,91	0.8	5.2	4.4	3.5	83,88,91
105	3.3	2.5	2.2	83,88,91	0.8	5.9	5.1	4.0	83,88,91
106	3.5	2.6	2.4	83,88,91	0.8	6.3	5.4	4.3	83,88,91
107	3.1	2.3	2.1	83,88,91	0.8	5.7	4.9	3.9	83,88,91
108	3.5	2.6	2.4	83,88,91	0.8	6.3	5.4	4.3	83,88,91
109	3.3	2.5	2.3	83,88,91	0.8	6.0	5.1	4.1	83,88,91
110	2.9	2.1	2.0	83,88,91	0.8	5.2	4.4	3.5	83,88,91
111	0.2	0.2	0.2	83,88,91	0.8	0.4	0.4	0.3	83,88,91
112	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
113	2.0	1.5	1.3	83,88,91	0.8	3.5	3.0	2.4	83,88,91
114	2.4	1.8	1.7	83,88,91	0.8	4.4	3.8	3.0	83,88,91
115	2.7	2.0	1.8	83,88,91	0.8	4.9	4.2	3.3	83,88,91
116	2.8	2.1	1.9	83,88,91	0.8	5.0	4.3	3.4	83,88,91
117	2.7	2.0	1.8	83,88,91	0.8	4.8	4.2	3.3	83,88,91
118	2.4	1.8	1.6	83,88,91	0.8	4.3	3.7	3.0	83,88,91
119	1.9	1.4	1.3	83,88,91	0.8	3.4	3.0	2.4	83,88,91
120	1.2	0.9	0.8	83,88,91	0.8	2.1	1.8	1.5	83,88,91
121	8.17e-02	6.06e-02	5.53e-02	83,88,91	0.8	0.1	0.1	9.96e-02	83,88,91
122	1.0	0.7	0.7	83,88,91	0.8	1.7	1.5	1.2	83,88,91
123	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
124	1.2	0.9	0.8	83,88,91	0.8	2.1	1.8	1.4	83,88,91
125	1.1	0.8	0.7	83,88,91	0.8	1.9	1.6	1.3	83,88,91
126	1.2	0.9	0.8	83,88,91	0.8	2.1	1.8	1.4	83,88,91
127	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
128	1.0	0.7	0.7	83,88,91	0.8	1.7	1.5	1.2	83,88,91
129	8.72e-02	6.56e-02	6.02e-02	83,88,91	0.8	0.2	0.1	0.1	83,88,91
130	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
131	2.0	1.5	1.3	83,88,91	0.8	3.5	3.0	2.4	83,88,91
132	2.4	1.8	1.7	83,88,91	0.8	4.4	3.8	3.0	83,88,91
133	2.7	2.0	1.9	83,88,91	0.8	4.9	4.2	3.3	83,88,91
134	2.8	2.1	1.9	83,88,91	0.8	5.0	4.3	3.4	83,88,91
135	2.7	2.0	1.8	83,88,91	0.8	4.9	4.2	3.3	83,88,91
136	2.4	1.8	1.7	83,88,91	0.8	4.3	3.7	3.0	83,88,91
137	1.9	1.4	1.3	83,88,91	0.8	3.5	3.0	2.4	83,88,91
138	0.1	7.69e-02	7.09e-02	83,88,91	0.8	0.2	0.2	0.1	83,88,91
139	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
140	1.3	0.9	0.9	83,88,91	0.8	2.3	1.9	1.5	83,88,91
141	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.6	83,88,91
142	1.2	0.9	0.8	83,88,91	0.8	2.2	1.9	1.5	83,88,91
143	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.6	83,88,91
144	1.3	0.9	0.9	83,88,91	0.8	2.3	1.9	1.5	83,88,91
145	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
146	9.56e-02	7.19e-02	6.60e-02	83,88,91	0.8	0.2	0.1	0.1	83,88,91
147	0.7	0.5	0.5	83,88,91	0.8	1.3	1.1	0.9	83,88,91
148	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
149	1.4	1.0	0.9	83,88,91	0.8	2.5	2.1	1.7	83,88,91
150	1.5	1.1	1.0	83,88,91	0.8	2.8	2.4	1.9	83,88,91
151	1.6	1.2	1.1	83,88,91	0.8	2.8	2.4	1.9	83,88,91
152	1.5	1.1	1.0	83,88,91	0.8	2.7	2.4	1.9	83,88,91
153	1.4	1.0	0.9	83,88,91	0.8	2.4	2.1	1.7	83,88,91
154	1.1	0.8	0.7	83,88,91	0.8	1.9	1.7	1.3	83,88,91
155	0.7	0.5	0.5	83,88,91	0.8	1.2	1.1	0.8	83,88,91
156	0.3	0.2	0.2	83,88,91	0.8	0.5	0.4	0.3	83,88,91
157	3.0	2.2	2.0	83,88,91	0.8	5.4	4.6	3.7	83,88,91
158	3.4	2.6	2.3	83,88,91	0.8	6.2	5.3	4.2	83,88,91
159	3.7	2.7	2.5	83,88,91	0.8	6.6	5.7	4.5	83,88,91
160	3.3	2.4	2.2	83,88,91	0.8	5.9	5.1	4.0	83,88,91

161	3.7	2.7	2.5	83,88,91	0.8	6.6	5.6	4.5	83,88,91
162	3.4	2.6	2.3	83,88,91	0.8	6.2	5.3	4.2	83,88,91
163	3.0	2.2	2.0	83,88,91	0.8	5.4	4.6	3.7	83,88,91
164	0.3	0.2	0.2	83,88,91	0.8	0.5	0.4	0.3	83,88,91
165	0.9	0.7	0.6	83,88,91	0.8	1.6	1.4	1.1	83,88,91
166	1.5	1.1	1.0	83,88,91	0.8	2.8	2.4	1.9	83,88,91
167	2.1	1.5	1.4	83,88,91	0.8	3.7	3.2	2.5	83,88,91
168	2.4	1.8	1.6	83,88,91	0.8	4.3	3.7	2.9	83,88,91
169	2.5	1.8	1.7	83,88,91	0.8	4.5	3.8	3.0	83,88,91
170	2.4	1.8	1.6	83,88,91	0.8	4.3	3.6	2.9	83,88,91
171	2.0	1.5	1.4	83,88,91	0.8	3.7	3.1	2.5	83,88,91
172	1.5	1.1	1.0	83,88,91	0.8	2.7	2.3	1.8	83,88,91
173	0.9	0.6	0.6	83,88,91	0.8	1.5	1.3	1.0	83,88,91
174	0.5	0.3	0.3	83,88,91	0.8	0.8	0.7	0.6	83,88,91
175	4.4	3.3	3.0	83,88,91	0.8	7.9	6.8	5.4	83,88,91
176	5.1	3.8	3.5	83,88,91	0.8	9.2	7.9	6.3	83,88,91
177	5.5	4.1	3.7	83,88,91	0.8	9.9	8.5	6.7	83,88,91
178	4.8	3.6	3.3	83,88,91	0.8	8.7	7.4	5.9	83,88,91
179	5.5	4.1	3.7	83,88,91	0.8	9.8	8.4	6.7	83,88,91
180	5.1	3.8	3.5	83,88,91	0.8	9.2	7.9	6.3	83,88,91
181	4.4	3.3	3.0	83,88,91	0.8	7.9	6.8	5.4	83,88,91
182	0.5	0.3	0.3	83,88,91	0.8	0.8	0.7	0.6	83,88,91
183	2.6	1.9	1.8	83,88,91	0.8	4.7	4.0	3.2	83,88,91
184	5.8	4.3	3.9	83,88,91	0.8	10.4	8.9	7.0	83,88,91
185	8.6	6.4	5.8	83,88,91	0.8	15.5	13.3	10.5	83,88,91
186	10.5	7.8	7.2	83,88,91	0.8	19.0	16.3	12.9	83,88,91
187	11.2	8.3	7.6	83,88,91	0.8	20.1	17.3	13.7	83,88,91
188	10.5	7.8	7.1	83,88,91	0.8	18.8	16.1	12.8	83,88,91
189	8.5	6.3	5.7	83,88,91	0.8	15.2	13.0	10.3	83,88,91
190	5.5	4.1	3.8	83,88,91	0.8	10.0	8.6	6.8	83,88,91
191	2.4	1.8	1.6	83,88,91	0.8	4.4	3.8	3.0	83,88,91
192	1.1	0.8	0.7	83,88,91	0.8	2.0	1.7	1.3	83,88,91
193	1.7	1.3	1.1	83,88,91	0.8	3.0	2.6	2.1	83,88,91
194	2.1	1.6	1.5	83,88,91	0.8	3.8	3.3	2.6	83,88,91
195	2.3	1.7	1.6	83,88,91	0.8	4.1	3.6	2.8	83,88,91
196	2.3	1.7	1.6	83,88,91	0.8	4.2	3.6	2.9	83,88,91
197	2.3	1.7	1.6	83,88,91	0.8	4.1	3.6	2.8	83,88,91
198	2.1	1.6	1.4	83,88,91	0.8	3.8	3.3	2.6	83,88,91
199	1.6	1.2	1.1	83,88,91	0.8	3.0	2.6	2.0	83,88,91
200	1.1	0.8	0.7	83,88,91	0.8	1.9	1.6	1.3	83,88,91
201	0.8	0.6	0.6	83,88,91	0.8	1.5	1.3	1.0	83,88,91
202	5.0	3.7	3.4	83,88,91	0.8	9.1	7.8	6.2	83,88,91
203	5.9	4.4	4.0	83,88,91	0.8	10.7	9.2	7.3	83,88,91
204	6.5	4.8	4.4	83,88,91	0.8	11.6	10.0	7.9	83,88,91
205	5.5	4.1	3.7	83,88,91	0.8	9.8	8.4	6.7	83,88,91
206	6.5	4.8	4.4	83,88,91	0.8	11.6	10.0	7.9	83,88,91
207	5.9	4.4	4.0	83,88,91	0.8	10.7	9.2	7.3	83,88,91
208	5.0	3.7	3.4	83,88,91	0.8	9.0	7.8	6.2	83,88,91
209	0.8	0.6	0.6	83,88,91	0.8	1.5	1.3	1.0	83,88,91
210	0.7	0.5	0.5	83,88,91	0.8	1.2	1.1	0.8	83,88,91
211	5.7	4.3	3.9	83,88,91	0.8	10.3	8.8	7.0	83,88,91
212	0.9	0.7	0.6	83,88,91	0.8	1.7	1.4	1.1	83,88,91
213	2.6	1.9	1.8	83,88,91	0.8	4.7	4.0	3.2	83,88,91
214	1.0	0.7	0.7	83,88,91	0.8	1.7	1.5	1.2	83,88,91
215	10.5	7.8	7.1	83,88,91	0.8	18.9	16.2	12.9	83,88,91
216	1.2	0.9	0.8	83,88,91	0.8	2.2	1.9	1.5	83,88,91
217	11.2	8.3	7.6	83,88,91	0.8	20.1	17.2	13.6	83,88,91
218	1.4	1.1	1.0	83,88,91	0.8	2.6	2.2	1.8	83,88,91
219	8.6	6.4	5.8	83,88,91	0.8	15.5	13.3	10.5	83,88,91
220	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
221	10.4	7.8	7.1	83,88,91	0.8	18.8	16.1	12.7	83,88,91
222	0.9	0.7	0.6	83,88,91	0.8	1.7	1.4	1.2	83,88,91
223	8.4	6.3	5.7	83,88,91	0.8	15.2	13.0	10.3	83,88,91
224	0.9	0.7	0.6	83,88,91	0.8	1.6	1.4	1.1	83,88,91
225	5.5	4.1	3.7	83,88,91	0.8	9.9	8.5	6.7	83,88,91
226	0.6	0.4	0.4	83,88,91	0.8	1.0	0.9	0.7	83,88,91
227	2.4	1.8	1.6	83,88,91	0.8	4.4	3.7	2.9	83,88,91
228	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.6	83,88,91
229	3.1	2.3	2.1	83,88,91	0.8	5.6	4.8	3.8	83,88,91
230	1.2	0.9	0.8	83,88,91	0.8	2.1	1.8	1.5	83,88,91
231	4.3	3.2	2.9	83,88,91	0.8	7.7	6.6	5.2	83,88,91
232	1.2	0.9	0.8	83,88,91	0.8	2.2	1.9	1.5	83,88,91
233	5.0	3.7	3.4	83,88,91	0.8	9.1	7.8	6.2	83,88,91
234	3.4	2.5	2.3	83,88,91	0.8	6.1	5.3	4.2	83,88,91
235	5.0	3.8	3.4	83,88,91	0.8	9.1	7.8	6.2	83,88,91
236	1.2	0.9	0.8	83,88,91	0.8	2.2	1.9	1.5	83,88,91
237	4.2	3.2	2.9	83,88,91	0.8	7.6	6.5	5.2	83,88,91

238	4.5	3.4	3.1	83,88,91	0.8	8.2	7.0	5.6	83,88,91
239	3.1	2.3	2.1	83,88,91	0.8	5.6	4.8	3.8	83,88,91
240	5.6	4.2	3.8	83,88,91	0.8	10.1	8.6	6.9	83,88,91
241	4.9	3.6	3.3	83,88,91	0.8	8.8	7.6	6.0	83,88,91
242	6.3	4.7	4.3	83,88,91	0.8	11.4	9.7	7.7	83,88,91
243	6.3	4.7	4.3	83,88,91	0.8	11.3	9.7	7.7	83,88,91
244	1.3	1.0	0.9	83,88,91	0.8	2.4	2.1	1.6	83,88,91
245	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91
246	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91
247	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91
248	4.5	3.4	3.1	83,88,91	0.8	8.2	7.0	5.6	83,88,91
249	5.6	4.2	3.8	83,88,91	0.8	10.1	8.7	6.9	83,88,91
250	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91
251	1.1	0.8	0.7	83,88,91	0.8	1.9	1.7	1.3	83,88,91
252	1.7	1.2	1.1	83,88,91	0.8	3.0	2.6	2.0	83,88,91
253	2.1	1.6	1.4	83,88,91	0.8	3.8	3.3	2.6	83,88,91
254	2.3	1.7	1.6	83,88,91	0.8	4.1	3.6	2.8	83,88,91
255	2.3	1.7	1.6	83,88,91	0.8	4.2	3.6	2.8	83,88,91
256	2.3	1.7	1.6	83,88,91	0.8	4.1	3.6	2.8	83,88,91
257	2.1	1.6	1.4	83,88,91	0.8	3.8	3.3	2.6	83,88,91
258	1.7	1.2	1.1	83,88,91	0.8	3.0	2.6	2.0	83,88,91
259	1.1	0.8	0.7	83,88,91	0.8	1.9	1.6	1.3	83,88,91
260	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
261	4.5	3.4	3.1	83,88,91	0.8	8.1	7.0	5.5	83,88,91
262	5.6	4.1	3.8	83,88,91	0.8	10.0	8.6	6.8	83,88,91
263	6.3	4.7	4.3	83,88,91	0.8	11.3	9.7	7.7	83,88,91
264	4.9	3.6	3.3	83,88,91	0.8	8.8	7.5	6.0	83,88,91
265	6.3	4.7	4.3	83,88,91	0.8	11.3	9.7	7.7	83,88,91
266	5.6	4.2	3.8	83,88,91	0.8	10.1	8.6	6.8	83,88,91
267	4.5	3.4	3.1	83,88,91	0.8	8.1	6.9	5.5	83,88,91
268	1.2	0.9	0.9	83,88,91	0.8	2.2	1.9	1.5	83,88,91
269	0.2	0.1	0.1	83,88,91	0.8	0.3	0.3	0.2	83,88,91

Elem.	**w,net R**	**w,net F**	**w,net P**			**w,net Ri**	**w,net Fi**	**w,net Pi**	
	11.19	8.32	7.60			20.15	17.27	13.68	