REGIONE MARCHE

PROVINCIA DI FERMO

COMUNE DI FERMO

IMPIANTO DI TRATTAMENTO ANAEROBICO DELLA FRAZIONE ORGANICA DEI RIFIUTI SOLIDI URBANI PER LA PRODUZIONE DI BIOMETANO

CIG: 9880245C18 – CUP: F62F18000070004

PROGETTO ESECUTIVO

NOME ELABORATO

CISTERNA ANTINCENDIO E ACQUA SERVIZI

TABULATI DI CALCOLO

CODIFICA ELABORATO	23008-OW-C-101-RS-094-MA1-0

CLASSE	10.11
STRUTTURE CISTERNA ANTINCENDIO E ACQUA SERVIZI	
N. TAVOLA	10.11.1.b
FORMATO	A4
SCALA	/

REV	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO
01	11/10/2024	SECONDA EMISSIONE	B.BARONE	C. BUTTICE'	R. MARTELLO
00	28/06/2024	PRIMA EMISSIONE	B.BARONE	C. BUTTICE'	R. MARTELLO

Committente	Progettista indicato	Mandataria
CITTA' DI FERMO **Settore IV e V** **Lavori Pubblici, Protezione Civile, Ambiente, Urbanistica, Patrimonio, Contratti e Appalti** Via Mazzini 4 63900 – Fermo (FM) DOTT. **Mauro Fortuna** RUP	OWAC ENGINEERING COMPANY Via Resuttana 360 90142 -PALERMO OWAC Engineering Company S.R.L ING. **Rocco Martello** Direttore Tecnico UNI EN ISO 9001:2015 N. 30233/14/S UNI EN ISO 45001:2018 N. OHS-4849 UNI EN ISO 14001:2015 N. EMS-9477/S UNI/PDR 74 :2019 N. SGBIM-01/23 UNI/PdR 74:2019 N. 21042BIM	EdilAlta Via del Cardoncello 22 70022 – Altamura (BA) EDILALTA S.R.L. DOTT. **Angelantonio Disabato** Socio Mandante Anaergia Fueling a Sustainable World Via Bassa di Casalmoro 3 46041 – Asola (MN) ANAERGIA S.R.L. DOTT. **Andrea Parisi** Institore

01	B.BARONE	10/10/2024	C.BUTTICE'	11/10/2024	R.MARTELLO	11/10/2024
00	B.BARONE	27/06/2024	C.BUTTICE'	28/06/2024	R.MARTELLO	28/06/2024
REV	**ESEGUITO**	**DATA**	**VERIFICATO**	**DATA**	**APPROVATO**	**DATA**

TABULATI DI CALCOLO

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2023-07-199)
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 dsi5924

Descrizione	
Progetto	Impianto di trattamento anaerobico della F.O.R.S.U. per la produzione di Biometano.
	Vasca idrica
Ubicazione	Comune di FERMO (--) (Regione MARCHE)
	Località CONTRADA SAN BIAGIO (---)
	Longitudine 13.6769, Latitudine 43,1224

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/

1 INTESTAZIONE E CONTENUTI DELLA RELAZIONE

1.1 PROGETTO

Il presente documento è redatto ai fini della progettazione di una vasca idrica interrata compartimenta. I due volumi d'acqua contenuti servono uno al servizio dell'impianto antincendio e l'altro a servizio dell'impianto idrico-sanitario.
La struttura è iscrivibile in un parallelepipedo a sezione rettangolare. La sezione di base rettangolare ha dimensioni m 12,30x10,90 con un'altezza massima di m 5,00.
La vasca è totalmente interrata. La struttura è del tipo monopiano con setti in calcestruzzo armato, fondazioni a platea ed orizzontamento una piastra in calcestruzzo armato. La classe di esposizione è XC4 con un copriferro pari a 5cm, la qualità di calcestruzzo è C32/40. Le pareti, le piastre di fondazione e quella di elevazione sono di spessore cm 30.
Il terreno sotto la vasca viene tratto con uno strato di cm150 in misto di cave e poi sotto è presente l'argilla stratificati a sabbia litotipo "b". Viene interposto tra la fondazione ed il terreno tratto a calce del magrone di spessore cm 15 e di qualità C12/15.
La struttura della vasca idrica, con due compartimenti, è stata calcolato come struttura non dissipativa.

Analisi dei carichi
Carico permanente
Massetto posto sopra la piastra (1850kg/mc; spessore medio cm 7)
.....kg/mq 129.50 -> kg/cmq 0,013
Carico locale pompe .....kg/mq 600 -> kg/cmq 0,06
Spinta idrica distribuzione triangolare

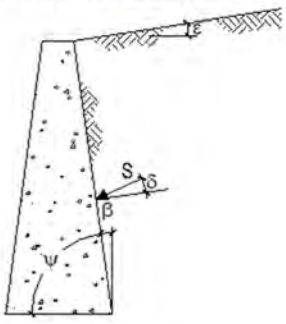
pressione idrica h=3.80 .....p = 3800 kg/mq -> kg/cmq 0.38
pressione idrica h=5.00 .....p = 5000 kg/mq -> kg/cmq 0.50

Calcolo della spinta della terra, distribuzione triangolare
Terreno Argilla stratifica a sabbia litotipo "b" γ=2000kg/mc; φ' = 23;
Coefficiente di spinta a riposo .....k0 = 1 – sen φ' = 0.60
pressione terra (h = 3,80) .....k0 γ h = 4630 kg/mq -> 0.46 daN/cmq
pressione terra (h = 5,00) .....k0 γ h = 6092 kg/mq -> 0.61 daN/cmq

Calcolo dell'incremento di spinta della terra metodo di Mononobe-Okabe, distribuzione rettangolare

COEFFICIENTI DI SPINTA

φ' =	23,0	(°)
ε =	0,0	(°)
δ =	0,0	(°)
β =	0,0	(°)
ψ =	90,0	(°)



SISMICO

per $\varepsilon \le \varphi'-\theta$ $$k_a = \frac{\operatorname{sen}^2(\psi+\varphi'-\theta)}{\cos\theta\cdot\operatorname{sen}^2\psi\cdot\operatorname{sen}(\psi-\theta-\delta)\left[1+\sqrt{\frac{\operatorname{sen}(\varphi'+\delta)\cdot\operatorname{sen}(\varphi'-\varepsilon-\theta)}{\operatorname{sen}(\psi-\theta-\delta)\cdot\operatorname{sen}(\psi+\varepsilon)}}\right]^2}$$

per $\varepsilon > \varphi'-\theta$ $$k_a = \frac{\operatorname{sen}^2(\psi+\varphi'-\theta)}{\cos\theta\cdot\operatorname{sen}^2\psi\cdot\operatorname{sen}(\psi-\theta-\delta)}$$

$$k_p = \frac{\operatorname{sen}^2(\psi+\varphi'-\theta)}{\cos\theta\cdot\operatorname{sen}^2\psi\cdot\operatorname{sen}(\psi+\theta)\left[1-\sqrt{\frac{\operatorname{sen}\varphi'\cdot\operatorname{sen}(\varphi'+\varepsilon-\theta)}{\operatorname{sen}(\psi+\varepsilon)\cdot\operatorname{sen}(\psi+\theta)}}\right]^2}$$

1. $\theta = \arctan\left(\frac{k_h}{1\pm k_v}\right)$ 2. $\theta = \arctan\left(\frac{\gamma_{sat}}{\gamma_{sat}-\gamma_w}\frac{k_h}{1\pm k_v}\right)$ 3. $\theta = \arctan\left(\frac{\gamma_d}{\gamma_{sat}-\gamma_w}\frac{k_h}{1\pm k_v}\right)$

Parametri sismici tratti dalla risposta sismica locale
Kv/kh = 0,5

	SLV	SLD
ag0/g	0,28	0,126
Ss	1,31	1,49
St	1,20	1,2

β	0,38	0,47

ka =	0,58	0,52

pressione orizzontale SLV h=3.80 .....p = 4408 kg/mq -> 0.44 daN/cmq
pressione orizzontale SLV h=5.00 .....p = 5800 kg/mq -> 0.58 daN/cmq

pressione orizzontale SLD h=3.80 .....p = 3952 kg/mq -> 0.40 daN/cmq
pressione orizzontale SLD h=5.00 .....p = 5200 kg/mq -> 0.52 daN/cmq

Carico Accidentale
Carico da manutenzione (Ψ0=0; Ψ1=0; Ψ2=0) .....200 kg/mq -> 0.02 daN/cmq

Nel calcolo sono stato simulati due combinazioni di carico
Spint_idric_1 indica che i due comparti della vasca sono pieni d'acqua;
Spint_idric_2 indica che l'unico comparto pieno di acqua è il comportato più grande che è a servizio dell'impianto antincendio.

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:

SOMMARIO

2 RELAZIONE DI CALCOLO STRUTTURALE

2.1 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.
La struttura è in calcestruzzo armato gettato in opera. Il comportamento strutturale è non dissipativo.

2.2 DESCRIZIONE GENERALE DELL'OPERA

La struttura è in calcestruzzo armato gettato in opera. Il comportamento strutturale è non dissipativo.

Descrizione generale dell'opera	
Fabbricato ad uso	Vasca idrica
Ubicazione	Comune di FERMO (FM) (Regione MARCHE)
	Località FERMO (FM)
	Longitudine 13.677, Latitudine 43.123
Numero di piani	Fuori terra 1
	Interrati 0
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di dimensioni m 12,30x10,90con una altezza pari m 5,00
Numero vani scale	0
Numero vani ascensore	0
Tipo di fondazione	Diretta, platea

Principali caratteristiche della struttura	
Struttura regolare in pianta	si
Struttura regolare in altezza	si
Classe di duttilità	Non dissipativa
Travi: ricalate o in spessore	0
Pilastri	0
Pilastri in falso	nessuna
Tipo di fondazione	Diretta, platea
Condizioni per cui è necessario considerare la componente verticale del sisma	nessuna

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
III	50.0	1.5	75.0

Fattore di struttura/comportamento
Struttura non dissipativa, analisi con forze statiche

2.3 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

2.4 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)

2.5 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

Completare

2.5.1 Tipo di analisi strutturale

Sismica statica lineare	NO
Sismica dinamica lineare	NO
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
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:

2.5.2 Informazioni sul codice di calcolo

Titolo:	PRO_SAP PROfessional Structural Analysis Program

Versione:	PROFESSIONAL (build 2023-07-199)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Owac Engineering Company
Codice Utente:	Owac Engineering Company
Codice Licenza:	Licenza dsi5924

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:

2.5.3 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	1523
elementi D2 (per aste, travi, pilastri...)	0
elementi D3 (per pareti, platee, gusci...)	1532
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	428.00
Xmax =	1658.00
Ymin =	384.00
Ymax =	1474.00
Zmin =	-485.00
Zmax =	15.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	NO
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO

Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

2.6 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*".

2.7 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)	NO
SLC	NO
SLD	NO
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:

- nessuno

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.) .

2.8 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.

2.9 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.

3 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.

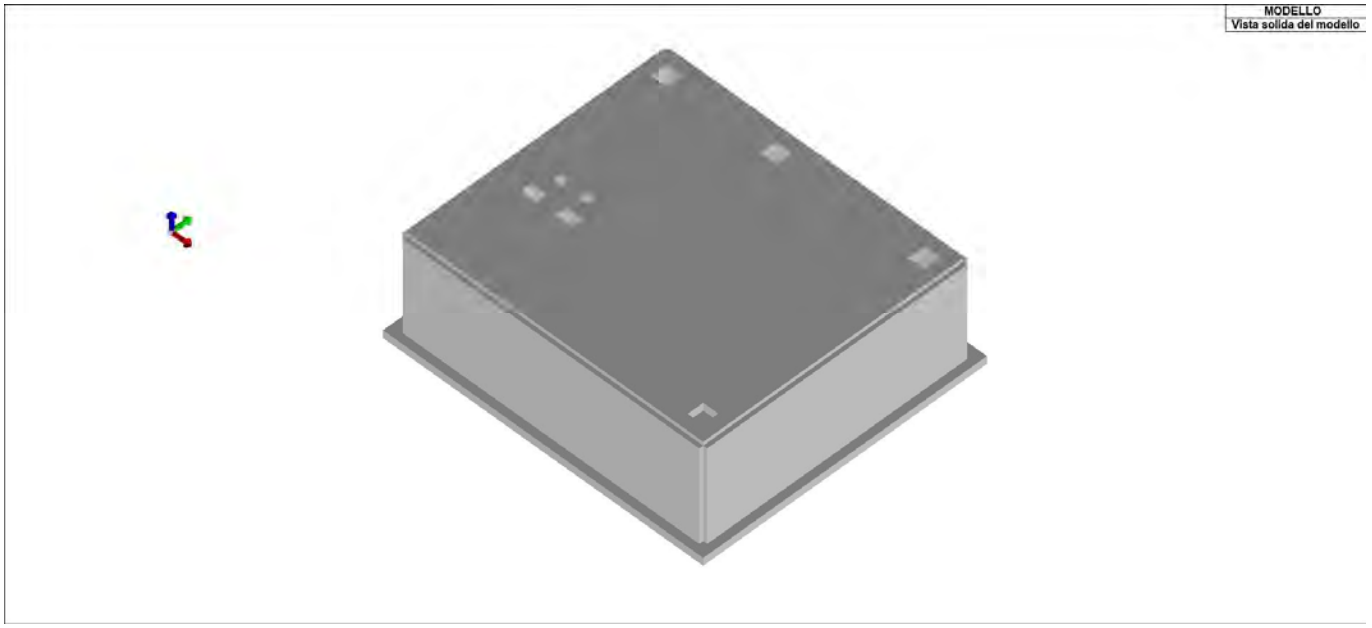


Figura 1 - VISTA_SOLIDA_001

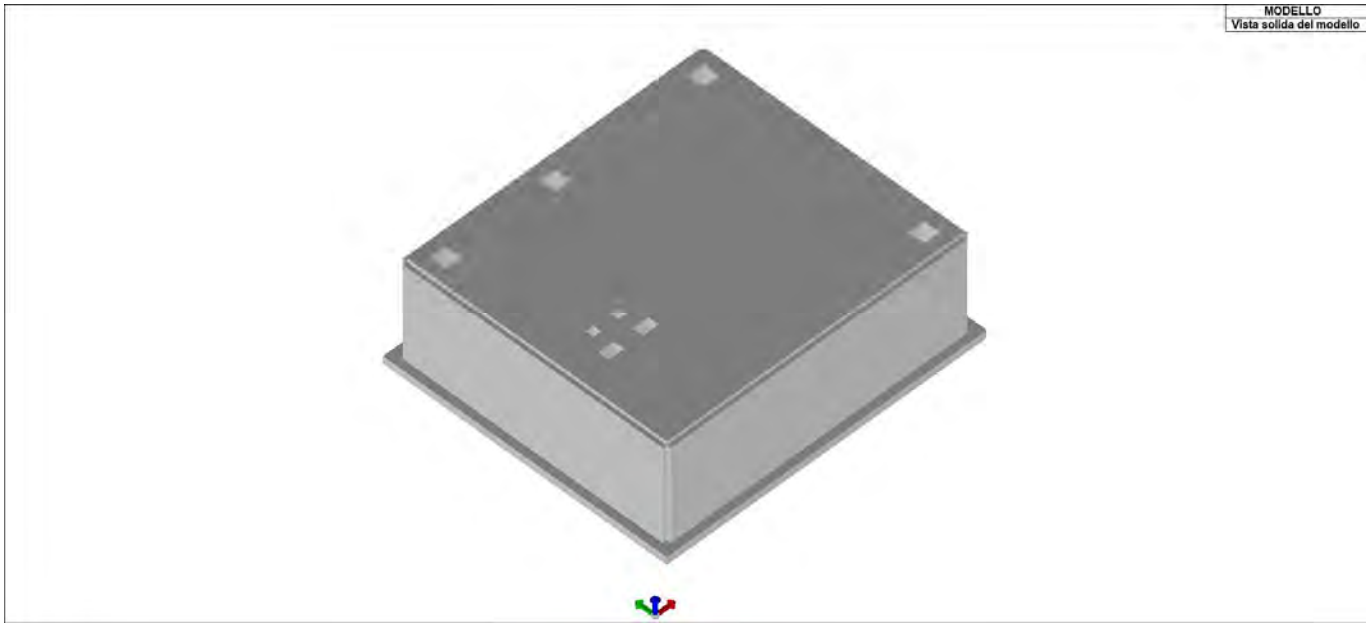


Figura 2 - VISTA_SOLIDA_002

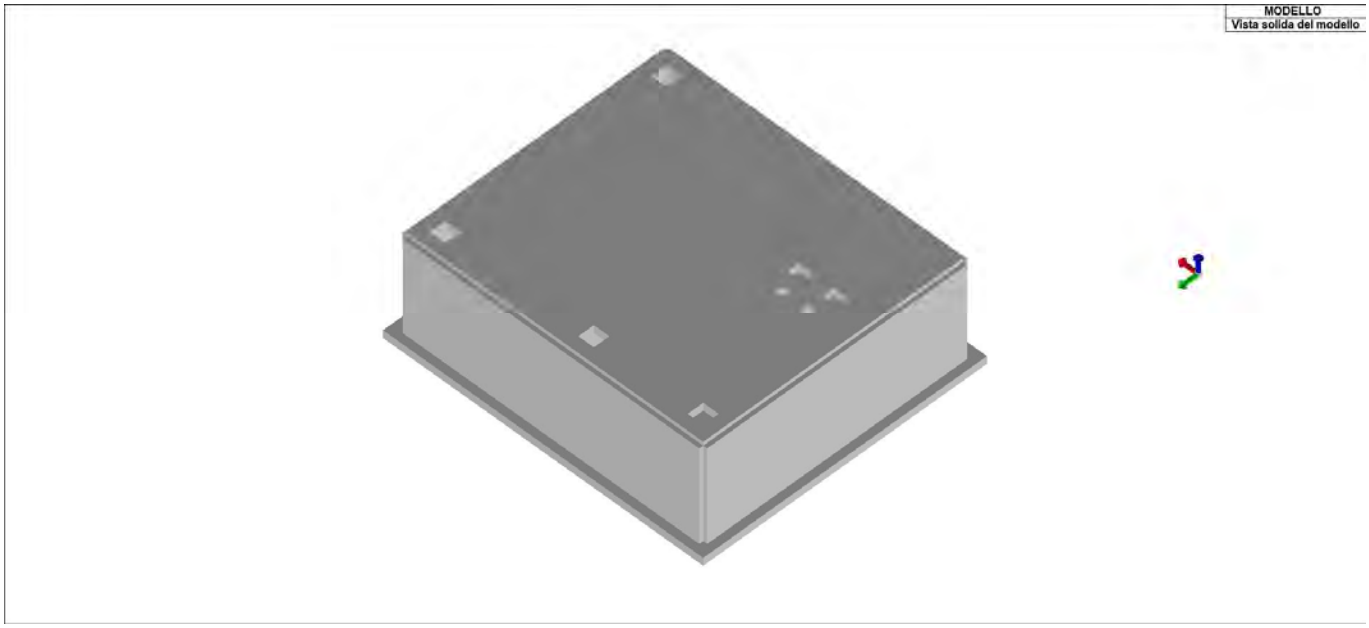


Figura 3 - VISTA_SOLIDA_003

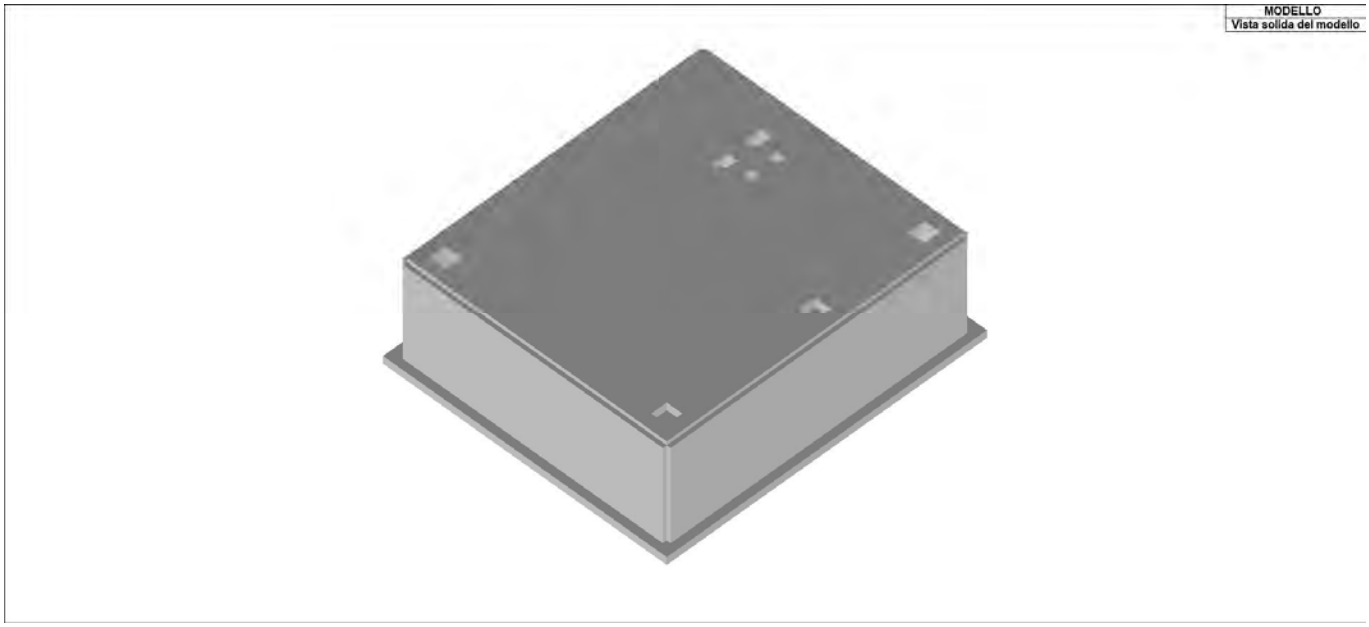


Figura 4 - VISTA_SOLIDA_004

4 CARATTERISTICHE MATERIALI UTILIZZATI

4.1 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		
5	Calcestruzzo Classe C32/40			3.364e+05	0.20	1.402e+05	2.50e-03	1.00e-05	
	Resistenza Rc	400.0							
	Resistenza fctm		31.0						
	Rapporto Rfessurata (assiale)								1.00

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

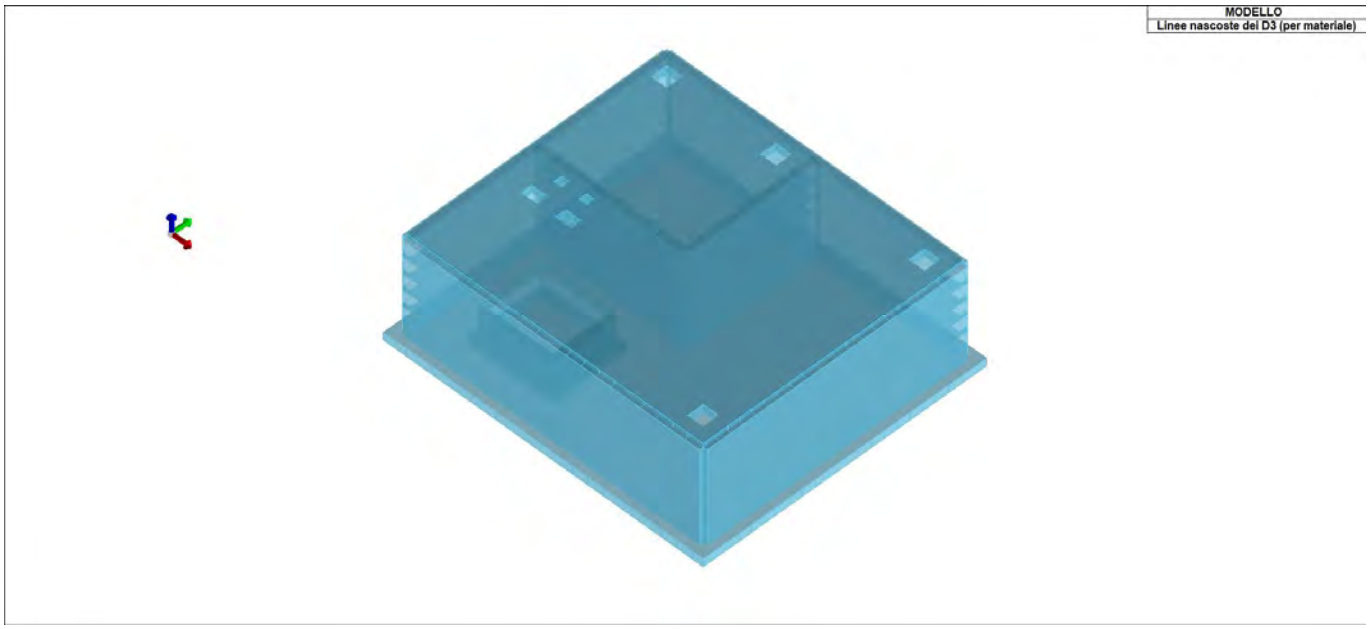


Figura 5 - MOD_MATERIALI_D3

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento	Singolo elemento FONDAZIONE	Singolo elemento NON DISSIPATIVO	Singolo elemento	Parete estesa debolmente armata	Singolo elemento
	Singolo elemento	Singolo elemento FONDAZIONE				
Armatura						
Inclinazione Av [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00				
Angolo Av-Ao [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00				
Minima tesa	0.20	0.20	0.20	2.000e-02	0.20	0.20
	0.20	0.20				
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00				
Maglia unica centrale	NO	NO	NO	NO	NO	NO
	NO	NO				
Unico strato verticale	NO	NO	NO	NO	NO	NO
	NO	NO				
Unico strato orizzontale	NO	NO	NO	NO	NO	NO
	NO	NO				
Copriferro [cm]	2.00	2.00	2.00	2.00	2.00	2.00

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
	2.00	2.00				
Maglia V						
diametro	10	10	12	10	10	10
	10	10				
passo	25	25	20	25	25	25
	25	25				
diametro aggiuntivi	12	12	12	12	12	12
	12	12				
Maglia O						
diametro	10	10	12	10	10	10
	10	10				
passo	25	25	20	25	25	25
	25	25				
diametro aggiuntivi	12	12	12	12	12	12
	12	12				
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				
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI				
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				
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Diagramma inviluppo taglio	NO	NO	NO	NO	NO	NO
	NO	NO				
Vincolo lati	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato
	nessun lato	nessun lato				
Verifica come fascia	NO	NO	NO	NO	SI	NO
	NO	NO				
Diametro di	0	0	0	0	0	0

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
estremità						
	0	0				
Zona confinata						
Minima tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00				
Distanza barre [cm]	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				
Interferro	2	2	2	2	2	2
	2	2				
Armatura inclinata						
Area barre [cm2]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Angolo orizzontale [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Distanza di base [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Resistenza al fuoco						
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO				
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO				
Tempo di esposizione R	15	15	15	15	15	15
	15	15				

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Armatura						
Inclinazione Ax [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00				
Minima tesa	0.31	0.10	0.13	2.000e-02	0.31	0.31
	0.31	0.10				
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	0.78	4.00				
Maglia unica centrale	NO	NO	NO	NO	NO	NO
	NO	NO				
Copriferro [cm]	2.00	3.00	2.00	2.00	2.00	2.00
	2.00	3.00				
Maglia x						
diametro	10	12	12	10	10	10
	10	12				
passo	20	20	20	20	20	20
	20	20				
diametro aggiuntivi	12	12	12	12	12	12
	12	12				
Maglia y						
diametro	10	12	12	10	10	10
	10	12				
passo	20	20	20	20	20	20
	20	20				
diametro aggiuntivi	12	12	12	12	12	12
	12	12				
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				

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
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				
Applica SLU da DIN	NO	NO	NO	NO	NO	NO
	NO	NO				
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				
Resistenza al fuoco						
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO				
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO				
Tempo di esposizione R	15	15	15	15	15	15
	15	15				

5 MODELLAZIONE DELLE SEZIONI

5.1 LEGENDA TABELLA DATI SEZIONI

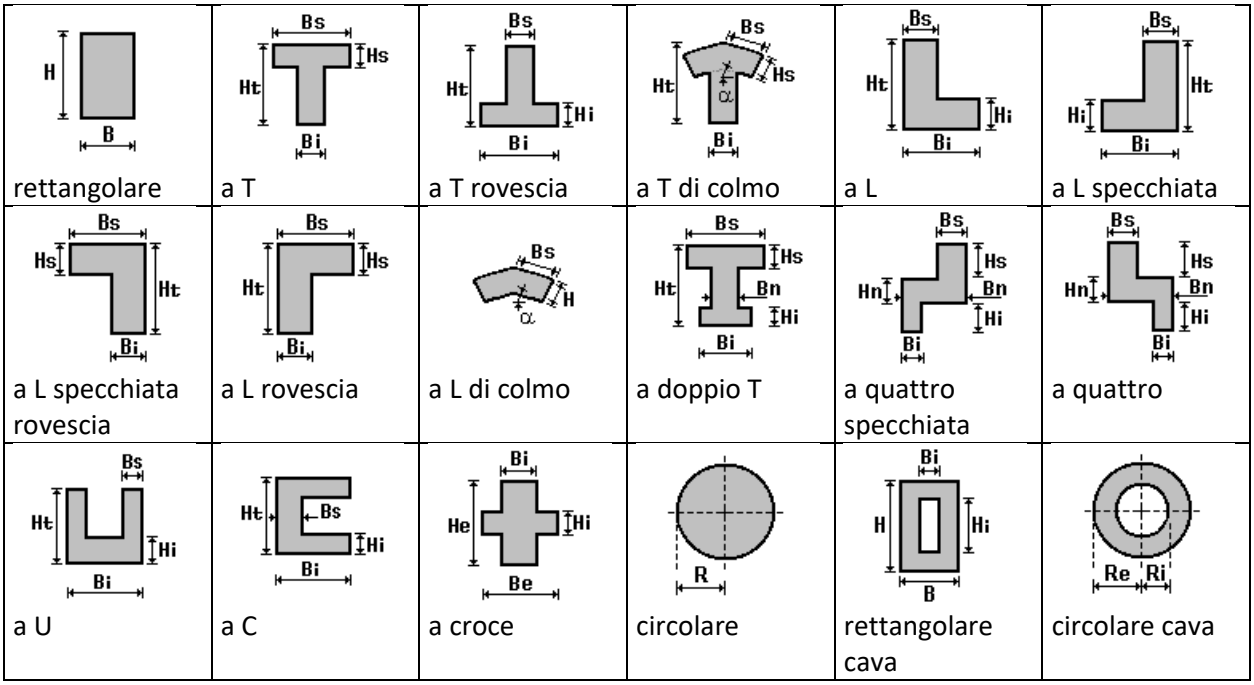
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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.



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

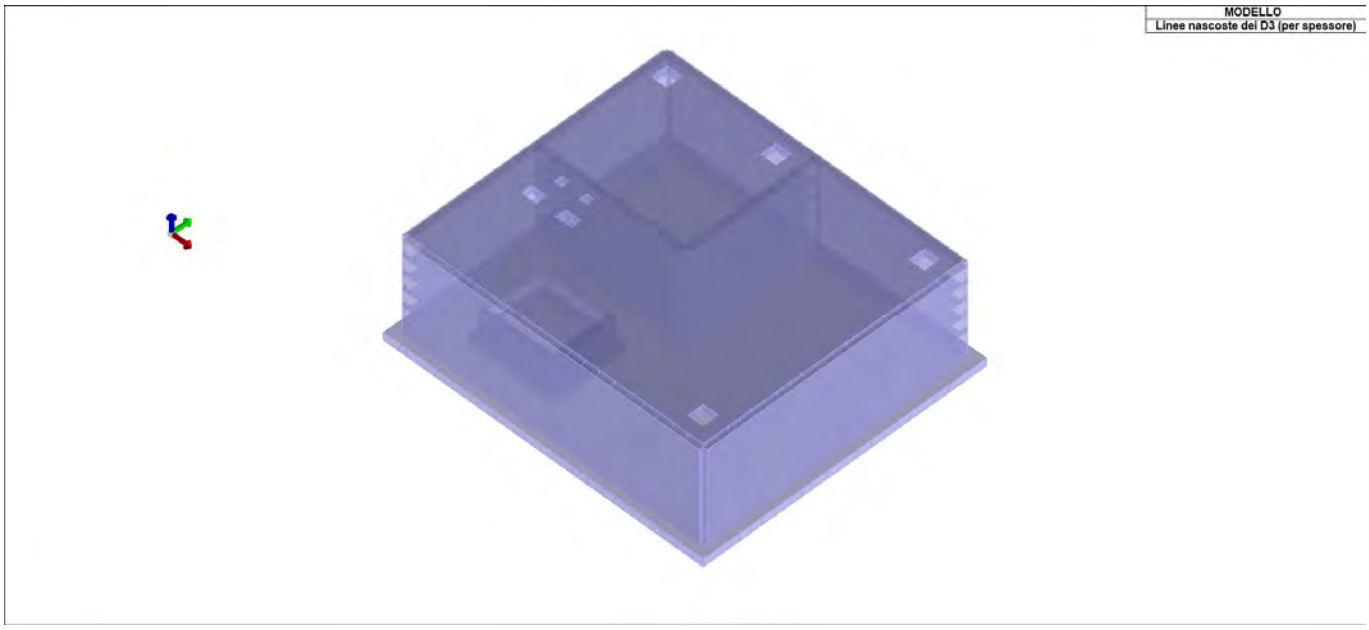


Figura 6 - MOD_SPESSORI_D3

6 MODELLAZIONE STRUTTURA: NODI

6.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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

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

6.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	513.0	619.0	-485.0	2	543.0	619.0	-485.0	3	618.0	619.0	-485.0
4	678.0	619.0	-485.0	5	738.0	619.0	-485.0	6	813.0	619.0	-485.0
7	843.0	619.0	-485.0	8	513.0	649.0	-485.0	9	543.0	649.0	-485.0
10	618.0	649.0	-485.0	11	678.0	649.0	-485.0	12	738.0	649.0	-485.0
13	813.0	649.0	-485.0	14	843.0	649.0	-485.0	15	513.0	714.0	-485.0
16	543.0	714.0	-485.0	17	618.0	714.0	-485.0	18	678.0	714.0	-485.0
19	738.0	714.0	-485.0	20	813.0	714.0	-485.0	21	843.0	714.0	-485.0
22	513.0	764.0	-485.0	23	543.0	764.0	-485.0	24	618.0	764.0	-485.0
25	678.0	764.0	-485.0	26	738.0	764.0	-485.0	27	813.0	764.0	-485.0
28	843.0	764.0	-485.0	29	513.0	814.0	-485.0	30	543.0	814.0	-485.0
31	618.0	814.0	-485.0	32	678.0	814.0	-485.0	33	738.0	814.0	-485.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
34	813.0	814.0	-485.0	35	843.0	814.0	-485.0	36	513.0	879.0	-485.0
37	543.0	879.0	-485.0	38	618.0	879.0	-485.0	39	678.0	879.0	-485.0
40	738.0	879.0	-485.0	41	813.0	879.0	-485.0	42	843.0	879.0	-485.0
43	513.0	909.0	-485.0	44	543.0	909.0	-485.0	45	618.0	909.0	-485.0
46	678.0	909.0	-485.0	47	738.0	909.0	-485.0	48	813.0	909.0	-485.0
49	843.0	909.0	-485.0	50	543.0	649.0	-425.0	51	618.0	649.0	-425.0
52	678.0	649.0	-425.0	53	738.0	649.0	-425.0	54	813.0	649.0	-425.0
55	543.0	714.0	-425.0	56	813.0	714.0	-425.0	57	543.0	764.0	-425.0
58	813.0	764.0	-425.0	59	543.0	814.0	-425.0	60	813.0	814.0	-425.0
61	543.0	879.0	-425.0	62	618.0	879.0	-425.0	63	678.0	879.0	-425.0
64	738.0	879.0	-425.0	65	813.0	879.0	-425.0	66	428.0	384.0	-365.0
67	473.0	384.0	-365.0	68	516.0	384.0	-365.0	69	558.0	384.0	-365.0
70	618.0	384.0	-365.0	71	678.0	384.0	-365.0	72	738.0	384.0	-365.0
73	798.0	384.0	-365.0	74	859.2	384.0	-365.0	75	920.5	384.0	-365.0
76	981.8	384.0	-365.0	77	1044.0	384.0	-365.0	78	1100.9	384.0	-365.0
79	1157.8	384.0	-365.0	80	1214.7	384.0	-365.0	81	1271.6	384.0	-365.0
82	1328.5	384.0	-365.0	83	1385.4	384.0	-365.0	84	1442.3	384.0	-365.0
85	1499.2	384.0	-365.0	86	1556.1	384.0	-365.0	87	1613.0	384.0	-365.0
88	1658.0	384.0	-365.0	89	428.0	429.0	-365.0	90	473.0	429.0	-365.0
91	516.0	429.0	-365.0	92	558.0	429.0	-365.0	93	618.0	429.0	-365.0
94	678.0	429.0	-365.0	95	738.0	429.0	-365.0	96	798.0	429.0	-365.0
97	859.2	429.0	-365.0	98	920.5	429.0	-365.0	99	981.8	429.0	-365.0
100	1044.0	429.0	-365.0	101	1100.9	429.0	-365.0	102	1157.8	429.0	-365.0
103	1214.7	429.0	-365.0	104	1271.6	429.0	-365.0	105	1328.5	429.0	-365.0
106	1385.4	429.0	-365.0	107	1442.3	429.0	-365.0	108	1499.2	429.0	-365.0
109	1556.1	429.0	-365.0	110	1613.0	429.0	-365.0	111	1658.0	429.0	-365.0
112	428.0	476.0	-365.0	113	473.0	476.0	-365.0	114	516.0	476.0	-365.0
115	558.0	476.0	-365.0	116	618.0	476.0	-365.0	117	678.0	476.0	-365.0
118	738.0	476.0	-365.0	119	798.0	476.0	-365.0	120	859.2	476.0	-365.0
121	920.5	476.0	-365.0	122	981.8	476.0	-365.0	123	1044.0	476.0	-365.0
124	1100.9	476.0	-365.0	125	1157.8	476.0	-365.0	126	1214.7	476.0	-365.0
127	1271.6	476.0	-365.0	128	1328.5	476.0	-365.0	129	1385.4	476.0	-365.0
130	1442.3	476.0	-365.0	131	1499.2	476.0	-365.0	132	1556.1	476.0	-365.0
133	1613.0	476.0	-365.0	134	1658.0	476.0	-365.0	135	428.0	523.0	-365.0
136	473.0	523.0	-365.0	137	516.0	523.0	-365.0	138	558.0	523.0	-365.0
139	618.0	523.0	-365.0	140	678.0	523.0	-365.0	141	738.0	523.0	-365.0
142	798.0	523.0	-365.0	143	859.2	523.0	-365.0	144	920.5	523.0	-365.0
145	981.8	523.0	-365.0	146	1044.0	523.0	-365.0	147	1100.9	523.0	-365.0
148	1157.8	523.0	-365.0	149	1214.7	523.0	-365.0	150	1271.6	523.0	-365.0
151	1328.5	523.0	-365.0	152	1385.4	523.0	-365.0	153	1442.3	523.0	-365.0
154	1499.2	523.0	-365.0	155	1556.1	523.0	-365.0	156	1613.0	523.0	-365.0
157	1658.0	523.0	-365.0	158	428.0	570.0	-365.0	159	473.0	570.0	-365.0
160	516.0	570.0	-365.0	161	558.0	570.0	-365.0	162	618.0	570.0	-365.0
163	678.0	570.0	-365.0	164	738.0	570.0	-365.0	165	798.0	570.0	-365.0
166	859.2	570.0	-365.0	167	920.5	570.0	-365.0	168	981.8	570.0	-365.0
169	1044.0	570.0	-365.0	170	1100.9	570.0	-365.0	171	1157.8	570.0	-365.0
172	1214.7	570.0	-365.0	173	1271.6	570.0	-365.0	174	1328.5	570.0	-365.0
175	1385.4	570.0	-365.0	176	1442.3	570.0	-365.0	177	1499.2	570.0	-365.0
178	1556.1	570.0	-365.0	179	1613.0	570.0	-365.0	180	1658.0	570.0	-365.0
181	428.0	617.0	-365.0	182	473.0	617.0	-365.0	183	516.0	617.0	-365.0
184	543.0	617.0	-365.0	185	618.0	617.0	-365.0	186	678.0	617.0	-365.0
187	738.0	617.0	-365.0	188	813.0	617.0	-365.0	189	859.2	617.0	-365.0
190	920.5	617.0	-365.0	191	981.8	617.0	-365.0	192	1044.0	617.0	-365.0
193	1100.9	617.0	-365.0	194	1157.8	617.0	-365.0	195	1214.7	617.0	-365.0
196	1271.6	617.0	-365.0	197	1328.5	617.0	-365.0	198	1385.4	617.0	-365.0
199	1442.3	617.0	-365.0	200	1499.2	617.0	-365.0	201	1556.1	617.0	-365.0
202	1613.0	617.0	-365.0	203	1658.0	617.0	-365.0	204	516.0	649.0	-365.0
205	543.0	649.0	-365.0	206	618.0	649.0	-365.0	207	678.0	649.0	-365.0
208	738.0	649.0	-365.0	209	813.0	649.0	-365.0	210	859.2	649.0	-365.0
211	428.0	664.0	-365.0	212	473.0	664.0	-365.0	213	920.5	664.0	-365.0
214	981.8	664.0	-365.0	215	1044.0	664.0	-365.0	216	1100.9	664.0	-365.0
217	1157.8	664.0	-365.0	218	1214.7	664.0	-365.0	219	1271.6	664.0	-365.0
220	1328.5	664.0	-365.0	221	1385.4	664.0	-365.0	222	1442.3	664.0	-365.0
223	1499.2	664.0	-365.0	224	1556.1	664.0	-365.0	225	1613.0	664.0	-365.0
226	1658.0	664.0	-365.0	227	428.0	714.0	-365.0	228	473.0	714.0	-365.0
229	516.0	714.0	-365.0	230	543.0	714.0	-365.0	231	813.0	714.0	-365.0
232	859.2	714.0	-365.0	233	920.5	714.0	-365.0	234	981.8	714.0	-365.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
235	1044.0	714.0	-365.0	236	1100.9	714.0	-365.0	237	1157.8	714.0	-365.0
238	1214.7	714.0	-365.0	239	1271.6	714.0	-365.0	240	1328.5	714.0	-365.0
241	1385.4	714.0	-365.0	242	1442.3	714.0	-365.0	243	1499.2	714.0	-365.0
244	1556.1	714.0	-365.0	245	1613.0	714.0	-365.0	246	1658.0	714.0	-365.0
247	428.0	764.0	-365.0	248	473.0	764.0	-365.0	249	516.0	764.0	-365.0
250	543.0	764.0	-365.0	251	813.0	764.0	-365.0	252	859.2	764.0	-365.0
253	920.5	764.0	-365.0	254	981.8	764.0	-365.0	255	1044.0	764.0	-365.0
256	1100.9	764.0	-365.0	257	1157.8	764.0	-365.0	258	1214.7	764.0	-365.0
259	1271.6	764.0	-365.0	260	1328.5	764.0	-365.0	261	1385.4	764.0	-365.0
262	1442.3	764.0	-365.0	263	1499.2	764.0	-365.0	264	1556.1	764.0	-365.0
265	1613.0	764.0	-365.0	266	1658.0	764.0	-365.0	267	428.0	814.0	-365.0
268	473.0	814.0	-365.0	269	516.0	814.0	-365.0	270	543.0	814.0	-365.0
271	813.0	814.0	-365.0	272	859.2	814.0	-365.0	273	920.5	814.0	-365.0
274	981.8	814.0	-365.0	275	1044.0	814.0	-365.0	276	1100.9	814.0	-365.0
277	1157.8	814.0	-365.0	278	1214.7	814.0	-365.0	279	1271.6	814.0	-365.0
280	1328.5	814.0	-365.0	281	1385.4	814.0	-365.0	282	1442.3	814.0	-365.0
283	1499.2	814.0	-365.0	284	1556.1	814.0	-365.0	285	1613.0	814.0	-365.0
286	1658.0	814.0	-365.0	287	428.0	864.0	-365.0	288	473.0	864.0	-365.0
289	920.5	864.0	-365.0	290	981.8	864.0	-365.0	291	1044.0	864.0	-365.0
292	1100.9	864.0	-365.0	293	1157.8	864.0	-365.0	294	1214.7	864.0	-365.0
295	1271.6	864.0	-365.0	296	1328.5	864.0	-365.0	297	1385.4	864.0	-365.0
298	1442.3	864.0	-365.0	299	1499.2	864.0	-365.0	300	1556.1	864.0	-365.0
301	1613.0	864.0	-365.0	302	1658.0	864.0	-365.0	303	516.0	879.0	-365.0
304	543.0	879.0	-365.0	305	618.0	879.0	-365.0	306	678.0	879.0	-365.0
307	738.0	879.0	-365.0	308	813.0	879.0	-365.0	309	859.2	879.0	-365.0
310	428.0	929.0	-365.0	311	473.0	929.0	-365.0	312	516.0	929.0	-365.0
313	543.0	929.0	-365.0	314	618.0	929.0	-365.0	315	678.0	929.0	-365.0
316	738.0	929.0	-365.0	317	813.0	929.0	-365.0	318	859.2	929.0	-365.0
319	920.5	929.0	-365.0	320	981.8	929.0	-365.0	321	1044.0	929.0	-365.0
322	1100.9	929.0	-365.0	323	1157.8	929.0	-365.0	324	1214.7	929.0	-365.0
325	1271.6	929.0	-365.0	326	1328.5	929.0	-365.0	327	1385.4	929.0	-365.0
328	1442.3	929.0	-365.0	329	1499.2	929.0	-365.0	330	1556.1	929.0	-365.0
331	1613.0	929.0	-365.0	332	1658.0	929.0	-365.0	333	428.0	979.0	-365.0
334	473.0	979.0	-365.0	335	516.0	979.0	-365.0	336	558.0	979.0	-365.0
337	618.0	979.0	-365.0	338	678.0	979.0	-365.0	339	738.0	979.0	-365.0
340	798.0	979.0	-365.0	341	859.2	979.0	-365.0	342	920.5	979.0	-365.0
343	981.8	979.0	-365.0	344	1044.0	979.0	-365.0	345	1100.9	979.0	-365.0
346	1157.8	979.0	-365.0	347	1214.7	979.0	-365.0	348	1271.6	979.0	-365.0
349	1328.5	979.0	-365.0	350	1385.4	979.0	-365.0	351	1442.3	979.0	-365.0
352	1499.2	979.0	-365.0	353	1556.1	979.0	-365.0	354	1613.0	979.0	-365.0
355	1658.0	979.0	-365.0	356	428.0	1029.0	-365.0	357	473.0	1029.0	-365.0
358	516.0	1029.0	-365.0	359	558.0	1029.0	-365.0	360	618.0	1029.0	-365.0
361	678.0	1029.0	-365.0	362	738.0	1029.0	-365.0	363	798.0	1029.0	-365.0
364	859.2	1029.0	-365.0	365	920.5	1029.0	-365.0	366	981.8	1029.0	-365.0
367	1044.0	1029.0	-365.0	368	1100.9	1029.0	-365.0	369	1157.8	1029.0	-365.0
370	1214.7	1029.0	-365.0	371	1271.6	1029.0	-365.0	372	1328.5	1029.0	-365.0
373	1385.4	1029.0	-365.0	374	1442.3	1029.0	-365.0	375	1499.2	1029.0	-365.0
376	1556.1	1029.0	-365.0	377	1613.0	1029.0	-365.0	378	1658.0	1029.0	-365.0
379	428.0	1079.0	-365.0	380	473.0	1079.0	-365.0	381	516.0	1079.0	-365.0
382	558.0	1079.0	-365.0	383	618.0	1079.0	-365.0	384	678.0	1079.0	-365.0
385	738.0	1079.0	-365.0	386	798.0	1079.0	-365.0	387	859.2	1079.0	-365.0
388	920.5	1079.0	-365.0	389	981.8	1079.0	-365.0	390	1044.0	1079.0	-365.0
391	1100.9	1079.0	-365.0	392	1157.8	1079.0	-365.0	393	1214.7	1079.0	-365.0
394	1271.6	1079.0	-365.0	395	1328.5	1079.0	-365.0	396	1385.4	1079.0	-365.0
397	1442.3	1079.0	-365.0	398	1499.2	1079.0	-365.0	399	1556.1	1079.0	-365.0
400	1613.0	1079.0	-365.0	401	1658.0	1079.0	-365.0	402	428.0	1129.0	-365.0
403	473.0	1129.0	-365.0	404	516.0	1129.0	-365.0	405	558.0	1129.0	-365.0
406	618.0	1129.0	-365.0	407	678.0	1129.0	-365.0	408	738.0	1129.0	-365.0
409	798.0	1129.0	-365.0	410	859.2	1129.0	-365.0	411	920.5	1129.0	-365.0
412	981.8	1129.0	-365.0	413	1044.0	1129.0	-365.0	414	1100.9	1129.0	-365.0
415	1157.8	1129.0	-365.0	416	1214.7	1129.0	-365.0	417	1271.6	1129.0	-365.0
418	1328.5	1129.0	-365.0	419	1385.4	1129.0	-365.0	420	1442.3	1129.0	-365.0
421	1499.2	1129.0	-365.0	422	1556.1	1129.0	-365.0	423	1613.0	1129.0	-365.0
424	1658.0	1129.0	-365.0	425	428.0	1179.0	-365.0	426	473.0	1179.0	-365.0
427	516.0	1179.0	-365.0	428	558.0	1179.0	-365.0	429	618.0	1179.0	-365.0
430	678.0	1179.0	-365.0	431	738.0	1179.0	-365.0	432	798.0	1179.0	-365.0
433	859.2	1179.0	-365.0	434	920.5	1179.0	-365.0	435	981.8	1179.0	-365.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
436	1044.0	1179.0	-365.0	437	1100.9	1179.0	-365.0	438	1157.8	1179.0	-365.0
439	1214.7	1179.0	-365.0	440	1271.6	1179.0	-365.0	441	1328.5	1179.0	-365.0
442	1385.4	1179.0	-365.0	443	1442.3	1179.0	-365.0	444	1499.2	1179.0	-365.0
445	1556.1	1179.0	-365.0	446	1613.0	1179.0	-365.0	447	1658.0	1179.0	-365.0
448	428.0	1229.0	-365.0	449	473.0	1229.0	-365.0	450	516.0	1229.0	-365.0
451	558.0	1229.0	-365.0	452	618.0	1229.0	-365.0	453	678.0	1229.0	-365.0
454	738.0	1229.0	-365.0	455	798.0	1229.0	-365.0	456	859.2	1229.0	-365.0
457	920.5	1229.0	-365.0	458	981.8	1229.0	-365.0	459	1044.0	1229.0	-365.0
460	1100.9	1229.0	-365.0	461	1157.8	1229.0	-365.0	462	1214.7	1229.0	-365.0
463	1271.6	1229.0	-365.0	464	1328.5	1229.0	-365.0	465	1385.4	1229.0	-365.0
466	1442.3	1229.0	-365.0	467	1499.2	1229.0	-365.0	468	1556.1	1229.0	-365.0
469	1613.0	1229.0	-365.0	470	1658.0	1229.0	-365.0	471	428.0	1279.0	-365.0
472	473.0	1279.0	-365.0	473	516.0	1279.0	-365.0	474	558.0	1279.0	-365.0
475	618.0	1279.0	-365.0	476	678.0	1279.0	-365.0	477	738.0	1279.0	-365.0
478	798.0	1279.0	-365.0	479	859.2	1279.0	-365.0	480	920.5	1279.0	-365.0
481	981.8	1279.0	-365.0	482	1044.0	1279.0	-365.0	483	1100.9	1279.0	-365.0
484	1157.8	1279.0	-365.0	485	1214.7	1279.0	-365.0	486	1271.6	1279.0	-365.0
487	1328.5	1279.0	-365.0	488	1385.4	1279.0	-365.0	489	1442.3	1279.0	-365.0
490	1499.2	1279.0	-365.0	491	1556.1	1279.0	-365.0	492	1613.0	1279.0	-365.0
493	1658.0	1279.0	-365.0	494	428.0	1329.0	-365.0	495	473.0	1329.0	-365.0
496	516.0	1329.0	-365.0	497	558.0	1329.0	-365.0	498	618.0	1329.0	-365.0
499	678.0	1329.0	-365.0	500	738.0	1329.0	-365.0	501	798.0	1329.0	-365.0
502	859.2	1329.0	-365.0	503	920.5	1329.0	-365.0	504	981.8	1329.0	-365.0
505	1044.0	1329.0	-365.0	506	1100.9	1329.0	-365.0	507	1157.8	1329.0	-365.0
508	1214.7	1329.0	-365.0	509	1271.6	1329.0	-365.0	510	1328.5	1329.0	-365.0
511	1385.4	1329.0	-365.0	512	1442.3	1329.0	-365.0	513	1499.2	1329.0	-365.0
514	1556.1	1329.0	-365.0	515	1613.0	1329.0	-365.0	516	1658.0	1329.0	-365.0
517	428.0	1379.0	-365.0	518	473.0	1379.0	-365.0	519	516.0	1379.0	-365.0
520	558.0	1379.0	-365.0	521	618.0	1379.0	-365.0	522	678.0	1379.0	-365.0
523	738.0	1379.0	-365.0	524	798.0	1379.0	-365.0	525	859.2	1379.0	-365.0
526	920.5	1379.0	-365.0	527	981.8	1379.0	-365.0	528	1044.0	1379.0	-365.0
529	1100.9	1379.0	-365.0	530	1157.8	1379.0	-365.0	531	1214.7	1379.0	-365.0
532	1271.6	1379.0	-365.0	533	1328.5	1379.0	-365.0	534	1385.4	1379.0	-365.0
535	1442.3	1379.0	-365.0	536	1499.2	1379.0	-365.0	537	1556.1	1379.0	-365.0
538	1613.0	1379.0	-365.0	539	1658.0	1379.0	-365.0	540	428.0	1429.0	-365.0
541	473.0	1429.0	-365.0	542	516.0	1429.0	-365.0	543	558.0	1429.0	-365.0
544	618.0	1429.0	-365.0	545	678.0	1429.0	-365.0	546	738.0	1429.0	-365.0
547	798.0	1429.0	-365.0	548	859.2	1429.0	-365.0	549	920.5	1429.0	-365.0
550	981.8	1429.0	-365.0	551	1044.0	1429.0	-365.0	552	1100.9	1429.0	-365.0
553	1157.8	1429.0	-365.0	554	1214.7	1429.0	-365.0	555	1271.6	1429.0	-365.0
556	1328.5	1429.0	-365.0	557	1385.4	1429.0	-365.0	558	1442.3	1429.0	-365.0
559	1499.2	1429.0	-365.0	560	1556.1	1429.0	-365.0	561	1613.0	1429.0	-365.0
562	1658.0	1429.0	-365.0	563	428.0	1474.0	-365.0	564	473.0	1474.0	-365.0
565	516.0	1474.0	-365.0	566	558.0	1474.0	-365.0	567	618.0	1474.0	-365.0
568	678.0	1474.0	-365.0	569	738.0	1474.0	-365.0	570	798.0	1474.0	-365.0
571	859.2	1474.0	-365.0	572	920.5	1474.0	-365.0	573	981.8	1474.0	-365.0
574	1044.0	1474.0	-365.0	575	1100.9	1474.0	-365.0	576	1157.8	1474.0	-365.0
577	1214.7	1474.0	-365.0	578	1271.6	1474.0	-365.0	579	1328.5	1474.0	-365.0
580	1385.4	1474.0	-365.0	581	1442.3	1474.0	-365.0	582	1499.2	1474.0	-365.0
583	1556.1	1474.0	-365.0	584	1613.0	1474.0	-365.0	585	1658.0	1474.0	-365.0
586	473.0	429.0	-301.7	587	516.0	429.0	-301.7	588	558.0	429.0	-301.7
589	618.0	429.0	-301.7	590	678.0	429.0	-301.7	591	738.0	429.0	-301.7
592	798.0	429.0	-301.7	593	859.2	429.0	-301.7	594	920.5	429.0	-301.7
595	981.8	429.0	-301.7	596	1044.0	429.0	-301.7	597	1100.9	429.0	-301.7
598	1157.8	429.0	-301.7	599	1214.7	429.0	-301.7	600	1271.6	429.0	-301.7
601	1328.5	429.0	-301.7	602	1385.4	429.0	-301.7	603	1442.3	429.0	-301.7
604	1499.2	429.0	-301.7	605	1556.1	429.0	-301.7	606	1613.0	429.0	-301.7
607	473.0	476.0	-301.7	608	1613.0	476.0	-301.7	609	473.0	523.0	-301.7
610	1613.0	523.0	-301.7	611	473.0	570.0	-301.7	612	1613.0	570.0	-301.7
613	473.0	617.0	-301.7	614	1613.0	617.0	-301.7	615	473.0	664.0	-301.7
616	1613.0	664.0	-301.7	617	473.0	714.0	-301.7	618	1613.0	714.0	-301.7
619	473.0	764.0	-301.7	620	1613.0	764.0	-301.7	621	473.0	814.0	-301.7
622	1613.0	814.0	-301.7	623	473.0	864.0	-301.7	624	1613.0	864.0	-301.7
625	473.0	929.0	-301.7	626	516.0	929.0	-301.7	627	558.0	929.0	-301.7
628	618.0	929.0	-301.7	629	678.0	929.0	-301.7	630	738.0	929.0	-301.7
631	798.0	929.0	-301.7	632	859.2	929.0	-301.7	633	920.5	929.0	-301.7
634	981.8	929.0	-301.7	635	1044.0	929.0	-301.7	636	1613.0	929.0	-301.7

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
637	473.0	979.0	-301.7	638	1044.0	979.0	-301.7	639	1613.0	979.0	-301.7
640	473.0	1029.0	-301.7	641	1044.0	1029.0	-301.7	642	1613.0	1029.0	-301.7
643	473.0	1079.0	-301.7	644	1044.0	1079.0	-301.7	645	1613.0	1079.0	-301.7
646	473.0	1129.0	-301.7	647	1044.0	1129.0	-301.7	648	1613.0	1129.0	-301.7
649	473.0	1179.0	-301.7	650	1044.0	1179.0	-301.7	651	1613.0	1179.0	-301.7
652	473.0	1229.0	-301.7	653	1044.0	1229.0	-301.7	654	1613.0	1229.0	-301.7
655	473.0	1279.0	-301.7	656	1044.0	1279.0	-301.7	657	1613.0	1279.0	-301.7
658	473.0	1329.0	-301.7	659	1044.0	1329.0	-301.7	660	1613.0	1329.0	-301.7
661	473.0	1379.0	-301.7	662	1044.0	1379.0	-301.7	663	1613.0	1379.0	-301.7
664	473.0	1429.0	-301.7	665	516.0	1429.0	-301.7	666	558.0	1429.0	-301.7
667	618.0	1429.0	-301.7	668	678.0	1429.0	-301.7	669	738.0	1429.0	-301.7
670	798.0	1429.0	-301.7	671	859.2	1429.0	-301.7	672	920.5	1429.0	-301.7
673	981.8	1429.0	-301.7	674	1044.0	1429.0	-301.7	675	1100.9	1429.0	-301.7
676	1157.8	1429.0	-301.7	677	1214.7	1429.0	-301.7	678	1271.6	1429.0	-301.7
679	1328.5	1429.0	-301.7	680	1385.4	1429.0	-301.7	681	1442.3	1429.0	-301.7
682	1499.2	1429.0	-301.7	683	1556.1	1429.0	-301.7	684	1613.0	1429.0	-301.7
685	473.0	429.0	-238.3	686	516.0	429.0	-238.3	687	558.0	429.0	-238.3
688	618.0	429.0	-238.3	689	678.0	429.0	-238.3	690	738.0	429.0	-238.3
691	798.0	429.0	-238.3	692	859.2	429.0	-238.3	693	920.5	429.0	-238.3
694	981.8	429.0	-238.3	695	1044.0	429.0	-238.3	696	1100.9	429.0	-238.3
697	1157.8	429.0	-238.3	698	1214.7	429.0	-238.3	699	1271.6	429.0	-238.3
700	1328.5	429.0	-238.3	701	1385.4	429.0	-238.3	702	1442.3	429.0	-238.3
703	1499.2	429.0	-238.3	704	1556.1	429.0	-238.3	705	1613.0	429.0	-238.3
706	473.0	476.0	-238.3	707	1613.0	476.0	-238.3	708	473.0	523.0	-238.3
709	1613.0	523.0	-238.3	710	473.0	570.0	-238.3	711	1613.0	570.0	-238.3
712	473.0	617.0	-238.3	713	1613.0	617.0	-238.3	714	473.0	664.0	-238.3
715	1613.0	664.0	-238.3	716	473.0	714.0	-238.3	717	1613.0	714.0	-238.3
718	473.0	764.0	-238.3	719	1613.0	764.0	-238.3	720	473.0	814.0	-238.3
721	1613.0	814.0	-238.3	722	473.0	864.0	-238.3	723	1613.0	864.0	-238.3
724	473.0	929.0	-238.3	725	516.0	929.0	-238.3	726	558.0	929.0	-238.3
727	618.0	929.0	-238.3	728	678.0	929.0	-238.3	729	738.0	929.0	-238.3
730	798.0	929.0	-238.3	731	859.2	929.0	-238.3	732	920.5	929.0	-238.3
733	981.8	929.0	-238.3	734	1044.0	929.0	-238.3	735	1613.0	929.0	-238.3
736	473.0	979.0	-238.3	737	1044.0	979.0	-238.3	738	1613.0	979.0	-238.3
739	473.0	1029.0	-238.3	740	1044.0	1029.0	-238.3	741	1613.0	1029.0	-238.3
742	473.0	1079.0	-238.3	743	1044.0	1079.0	-238.3	744	1613.0	1079.0	-238.3
745	473.0	1129.0	-238.3	746	1044.0	1129.0	-238.3	747	1613.0	1129.0	-238.3
748	473.0	1179.0	-238.3	749	1044.0	1179.0	-238.3	750	1613.0	1179.0	-238.3
751	473.0	1229.0	-238.3	752	1044.0	1229.0	-238.3	753	1613.0	1229.0	-238.3
754	473.0	1279.0	-238.3	755	1044.0	1279.0	-238.3	756	1613.0	1279.0	-238.3
757	473.0	1329.0	-238.3	758	1044.0	1329.0	-238.3	759	1613.0	1329.0	-238.3
760	473.0	1379.0	-238.3	761	1044.0	1379.0	-238.3	762	1613.0	1379.0	-238.3
763	473.0	1429.0	-238.3	764	516.0	1429.0	-238.3	765	558.0	1429.0	-238.3
766	618.0	1429.0	-238.3	767	678.0	1429.0	-238.3	768	738.0	1429.0	-238.3
769	798.0	1429.0	-238.3	770	859.2	1429.0	-238.3	771	920.5	1429.0	-238.3
772	981.8	1429.0	-238.3	773	1044.0	1429.0	-238.3	774	1100.9	1429.0	-238.3
775	1157.8	1429.0	-238.3	776	1214.7	1429.0	-238.3	777	1271.6	1429.0	-238.3
778	1328.5	1429.0	-238.3	779	1385.4	1429.0	-238.3	780	1442.3	1429.0	-238.3
781	1499.2	1429.0	-238.3	782	1556.1	1429.0	-238.3	783	1613.0	1429.0	-238.3
784	473.0	429.0	-175.0	785	516.0	429.0	-175.0	786	558.0	429.0	-175.0
787	618.0	429.0	-175.0	788	678.0	429.0	-175.0	789	738.0	429.0	-175.0
790	798.0	429.0	-175.0	791	859.2	429.0	-175.0	792	920.5	429.0	-175.0
793	981.8	429.0	-175.0	794	1044.0	429.0	-175.0	795	1100.9	429.0	-175.0
796	1157.8	429.0	-175.0	797	1214.7	429.0	-175.0	798	1271.6	429.0	-175.0
799	1328.5	429.0	-175.0	800	1385.4	429.0	-175.0	801	1442.3	429.0	-175.0
802	1499.2	429.0	-175.0	803	1556.1	429.0	-175.0	804	1613.0	429.0	-175.0
805	473.0	476.0	-175.0	806	1613.0	476.0	-175.0	807	473.0	523.0	-175.0
808	1613.0	523.0	-175.0	809	473.0	570.0	-175.0	810	1613.0	570.0	-175.0
811	473.0	617.0	-175.0	812	1613.0	617.0	-175.0	813	473.0	664.0	-175.0
814	1613.0	664.0	-175.0	815	473.0	714.0	-175.0	816	1613.0	714.0	-175.0
817	473.0	764.0	-175.0	818	1613.0	764.0	-175.0	819	473.0	814.0	-175.0
820	1613.0	814.0	-175.0	821	473.0	864.0	-175.0	822	1613.0	864.0	-175.0
823	473.0	929.0	-175.0	824	516.0	929.0	-175.0	825	558.0	929.0	-175.0
826	618.0	929.0	-175.0	827	678.0	929.0	-175.0	828	738.0	929.0	-175.0
829	798.0	929.0	-175.0	830	859.2	929.0	-175.0	831	920.5	929.0	-175.0
832	981.8	929.0	-175.0	833	1044.0	929.0	-175.0	834	1613.0	929.0	-175.0
835	473.0	979.0	-175.0	836	1044.0	979.0	-175.0	837	1613.0	979.0	-175.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
838	473.0	1029.0	-175.0	839	1044.0	1029.0	-175.0	840	1613.0	1029.0	-175.0
841	473.0	1079.0	-175.0	842	1044.0	1079.0	-175.0	843	1613.0	1079.0	-175.0
844	473.0	1129.0	-175.0	845	1044.0	1129.0	-175.0	846	1613.0	1129.0	-175.0
847	473.0	1179.0	-175.0	848	1044.0	1179.0	-175.0	849	1613.0	1179.0	-175.0
850	473.0	1229.0	-175.0	851	1044.0	1229.0	-175.0	852	1613.0	1229.0	-175.0
853	473.0	1279.0	-175.0	854	1044.0	1279.0	-175.0	855	1613.0	1279.0	-175.0
856	473.0	1329.0	-175.0	857	1044.0	1329.0	-175.0	858	1613.0	1329.0	-175.0
859	473.0	1379.0	-175.0	860	1044.0	1379.0	-175.0	861	1613.0	1379.0	-175.0
862	473.0	1429.0	-175.0	863	516.0	1429.0	-175.0	864	558.0	1429.0	-175.0
865	618.0	1429.0	-175.0	866	678.0	1429.0	-175.0	867	738.0	1429.0	-175.0
868	798.0	1429.0	-175.0	869	859.2	1429.0	-175.0	870	920.5	1429.0	-175.0
871	981.8	1429.0	-175.0	872	1044.0	1429.0	-175.0	873	1100.9	1429.0	-175.0
874	1157.8	1429.0	-175.0	875	1214.7	1429.0	-175.0	876	1271.6	1429.0	-175.0
877	1328.5	1429.0	-175.0	878	1385.4	1429.0	-175.0	879	1442.3	1429.0	-175.0
880	1499.2	1429.0	-175.0	881	1556.1	1429.0	-175.0	882	1613.0	1429.0	-175.0
883	473.0	429.0	-111.7	884	516.0	429.0	-111.7	885	558.0	429.0	-111.7
886	618.0	429.0	-111.7	887	678.0	429.0	-111.7	888	738.0	429.0	-111.7
889	798.0	429.0	-111.7	890	859.2	429.0	-111.7	891	920.5	429.0	-111.7
892	981.8	429.0	-111.7	893	1044.0	429.0	-111.7	894	1100.9	429.0	-111.7
895	1157.8	429.0	-111.7	896	1214.7	429.0	-111.7	897	1271.6	429.0	-111.7
898	1328.5	429.0	-111.7	899	1385.4	429.0	-111.7	900	1442.3	429.0	-111.7
901	1499.2	429.0	-111.7	902	1556.1	429.0	-111.7	903	1613.0	429.0	-111.7
904	473.0	476.0	-111.7	905	1613.0	476.0	-111.7	906	473.0	523.0	-111.7
907	1613.0	523.0	-111.7	908	473.0	570.0	-111.7	909	1613.0	570.0	-111.7
910	473.0	617.0	-111.7	911	1613.0	617.0	-111.7	912	473.0	664.0	-111.7
913	1613.0	664.0	-111.7	914	473.0	714.0	-111.7	915	1613.0	714.0	-111.7
916	473.0	764.0	-111.7	917	1613.0	764.0	-111.7	918	473.0	814.0	-111.7
919	1613.0	814.0	-111.7	920	473.0	864.0	-111.7	921	1613.0	864.0	-111.7
922	473.0	929.0	-111.7	923	516.0	929.0	-111.7	924	558.0	929.0	-111.7
925	618.0	929.0	-111.7	926	678.0	929.0	-111.7	927	738.0	929.0	-111.7
928	798.0	929.0	-111.7	929	859.2	929.0	-111.7	930	920.5	929.0	-111.7
931	981.8	929.0	-111.7	932	1044.0	929.0	-111.7	933	1613.0	929.0	-111.7
934	473.0	979.0	-111.7	935	1044.0	979.0	-111.7	936	1613.0	979.0	-111.7
937	473.0	1029.0	-111.7	938	1044.0	1029.0	-111.7	939	1613.0	1029.0	-111.7
940	473.0	1079.0	-111.7	941	1044.0	1079.0	-111.7	942	1613.0	1079.0	-111.7
943	473.0	1129.0	-111.7	944	1044.0	1129.0	-111.7	945	1613.0	1129.0	-111.7
946	473.0	1179.0	-111.7	947	1044.0	1179.0	-111.7	948	1613.0	1179.0	-111.7
949	473.0	1229.0	-111.7	950	1044.0	1229.0	-111.7	951	1613.0	1229.0	-111.7
952	473.0	1279.0	-111.7	953	1044.0	1279.0	-111.7	954	1613.0	1279.0	-111.7
955	473.0	1329.0	-111.7	956	1044.0	1329.0	-111.7	957	1613.0	1329.0	-111.7
958	473.0	1379.0	-111.7	959	1044.0	1379.0	-111.7	960	1613.0	1379.0	-111.7
961	473.0	1429.0	-111.7	962	516.0	1429.0	-111.7	963	558.0	1429.0	-111.7
964	618.0	1429.0	-111.7	965	678.0	1429.0	-111.7	966	738.0	1429.0	-111.7
967	798.0	1429.0	-111.7	968	859.2	1429.0	-111.7	969	920.5	1429.0	-111.7
970	981.8	1429.0	-111.7	971	1044.0	1429.0	-111.7	972	1100.9	1429.0	-111.7
973	1157.8	1429.0	-111.7	974	1214.7	1429.0	-111.7	975	1271.6	1429.0	-111.7
976	1328.5	1429.0	-111.7	977	1385.4	1429.0	-111.7	978	1442.3	1429.0	-111.7
979	1499.2	1429.0	-111.7	980	1556.1	1429.0	-111.7	981	1613.0	1429.0	-111.7
982	473.0	429.0	-48.3	983	516.0	429.0	-48.3	984	558.0	429.0	-48.3
985	618.0	429.0	-48.3	986	678.0	429.0	-48.3	987	738.0	429.0	-48.3
988	798.0	429.0	-48.3	989	859.2	429.0	-48.3	990	920.5	429.0	-48.3
991	981.8	429.0	-48.3	992	1044.0	429.0	-48.3	993	1100.9	429.0	-48.3
994	1157.8	429.0	-48.3	995	1214.7	429.0	-48.3	996	1271.6	429.0	-48.3
997	1328.5	429.0	-48.3	998	1385.4	429.0	-48.3	999	1442.3	429.0	-48.3
1000	1499.2	429.0	-48.3	1001	1556.1	429.0	-48.3	1002	1613.0	429.0	-48.3
1003	473.0	476.0	-48.3	1004	1613.0	476.0	-48.3	1005	473.0	523.0	-48.3
1006	1613.0	523.0	-48.3	1007	473.0	570.0	-48.3	1008	1613.0	570.0	-48.3
1009	473.0	617.0	-48.3	1010	1613.0	617.0	-48.3	1011	473.0	664.0	-48.3
1012	1613.0	664.0	-48.3	1013	473.0	714.0	-48.3	1014	1613.0	714.0	-48.3
1015	473.0	764.0	-48.3	1016	1613.0	764.0	-48.3	1017	473.0	814.0	-48.3
1018	1613.0	814.0	-48.3	1019	473.0	864.0	-48.3	1020	1613.0	864.0	-48.3
1021	473.0	929.0	-48.3	1022	516.0	929.0	-48.3	1023	558.0	929.0	-48.3
1024	618.0	929.0	-48.3	1025	678.0	929.0	-48.3	1026	738.0	929.0	-48.3
1027	798.0	929.0	-48.3	1028	859.2	929.0	-48.3	1029	920.5	929.0	-48.3
1030	981.8	929.0	-48.3	1031	1044.0	929.0	-48.3	1032	1613.0	929.0	-48.3
1033	473.0	979.0	-48.3	1034	1044.0	979.0	-48.3	1035	1613.0	979.0	-48.3
1036	473.0	1029.0	-48.3	1037	1044.0	1029.0	-48.3	1038	1613.0	1029.0	-48.3

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
1039	473.0	1079.0	-48.3	1040	1044.0	1079.0	-48.3	1041	1613.0	1079.0	-48.3
1042	473.0	1129.0	-48.3	1043	1044.0	1129.0	-48.3	1044	1613.0	1129.0	-48.3
1045	473.0	1179.0	-48.3	1046	1044.0	1179.0	-48.3	1047	1613.0	1179.0	-48.3
1048	473.0	1229.0	-48.3	1049	1044.0	1229.0	-48.3	1050	1613.0	1229.0	-48.3
1051	473.0	1279.0	-48.3	1052	1044.0	1279.0	-48.3	1053	1613.0	1279.0	-48.3
1054	473.0	1329.0	-48.3	1055	1044.0	1329.0	-48.3	1056	1613.0	1329.0	-48.3
1057	473.0	1379.0	-48.3	1058	1044.0	1379.0	-48.3	1059	1613.0	1379.0	-48.3
1060	473.0	1429.0	-48.3	1061	516.0	1429.0	-48.3	1062	558.0	1429.0	-48.3
1063	618.0	1429.0	-48.3	1064	678.0	1429.0	-48.3	1065	738.0	1429.0	-48.3
1066	798.0	1429.0	-48.3	1067	859.2	1429.0	-48.3	1068	920.5	1429.0	-48.3
1069	981.8	1429.0	-48.3	1070	1044.0	1429.0	-48.3	1071	1100.9	1429.0	-48.3
1072	1157.8	1429.0	-48.3	1073	1214.7	1429.0	-48.3	1074	1271.6	1429.0	-48.3
1075	1328.5	1429.0	-48.3	1076	1385.4	1429.0	-48.3	1077	1442.3	1429.0	-48.3
1078	1499.2	1429.0	-48.3	1079	1556.1	1429.0	-48.3	1080	1613.0	1429.0	-48.3
1081	473.0	429.0	15.0	1082	516.0	429.0	15.0	1083	558.0	429.0	15.0
1084	618.0	429.0	15.0	1085	678.0	429.0	15.0	1086	738.0	429.0	15.0
1087	798.0	429.0	15.0	1088	859.2	429.0	15.0	1089	920.5	429.0	15.0
1090	981.8	429.0	15.0	1091	1044.0	429.0	15.0	1092	1100.9	429.0	15.0
1093	1157.8	429.0	15.0	1094	1214.7	429.0	15.0	1095	1271.6	429.0	15.0
1096	1328.5	429.0	15.0	1097	1385.4	429.0	15.0	1098	1442.3	429.0	15.0
1099	1499.2	429.0	15.0	1100	1556.1	429.0	15.0	1101	1613.0	429.0	15.0
1102	1044.0	474.0	15.0	1103	1100.9	474.0	15.0	1104	1157.8	474.0	15.0
1105	1214.7	474.0	15.0	1106	1271.6	474.0	15.0	1107	1328.5	474.0	15.0
1108	1385.4	474.0	15.0	1109	1442.3	474.0	15.0	1110	1508.0	474.0	15.0
1111	1568.0	474.0	15.0	1112	981.8	474.2	15.0	1113	920.5	474.4	15.0
1114	859.2	474.6	15.0	1115	794.7	474.9	15.0	1116	734.7	475.1	15.0
1117	673.0	475.3	15.0	1118	613.0	475.5	15.0	1119	535.1	475.8	15.0
1120	513.8	475.9	15.0	1121	473.0	476.0	15.0	1122	1613.0	476.0	15.0
1123	473.0	523.0	15.0	1124	1613.0	523.0	15.0	1125	511.6	523.7	15.0
1126	607.5	525.6	15.0	1127	667.4	526.7	15.0	1128	730.8	528.0	15.0
1129	790.8	529.1	15.0	1130	859.2	530.4	15.0	1131	920.5	531.6	15.0
1132	981.8	532.8	15.0	1133	1044.0	534.0	15.0	1134	1100.9	534.0	15.0
1135	1157.8	534.0	15.0	1136	1214.7	534.0	15.0	1137	1271.6	534.0	15.0
1138	1328.5	534.0	15.0	1139	1385.4	534.0	15.0	1140	1442.3	534.0	15.0
1141	1508.0	534.0	15.0	1142	1566.0	534.0	15.0	1143	473.0	570.0	15.0
1144	509.5	570.0	15.0	1145	602.7	570.0	15.0	1146	662.7	570.0	15.0
1147	727.8	570.0	15.0	1148	787.8	570.0	15.0	1149	859.2	570.0	15.0
1150	920.5	570.0	15.0	1151	981.8	570.0	15.0	1152	1044.0	570.0	15.0
1153	1100.9	570.0	15.0	1154	1157.8	570.0	15.0	1155	1214.7	570.0	15.0
1156	1271.6	570.0	15.0	1157	1328.5	570.0	15.0	1158	1385.4	570.0	15.0
1159	1442.3	570.0	15.0	1160	1508.0	570.0	15.0	1161	1566.1	570.0	15.0
1162	1613.0	570.0	15.0	1163	473.0	617.0	15.0	1164	507.3	617.0	15.0
1165	597.6	617.0	15.0	1166	657.6	617.0	15.0	1167	724.4	617.0	15.0
1168	784.4	617.0	15.0	1169	859.2	617.0	15.0	1170	920.5	617.0	15.0
1171	981.8	617.0	15.0	1172	1044.0	617.0	15.0	1173	1100.9	617.0	15.0
1174	1157.8	617.0	15.0	1175	1214.7	617.0	15.0	1176	1271.6	617.0	15.0
1177	1328.5	617.0	15.0	1178	1385.4	617.0	15.0	1179	1442.3	617.0	15.0
1180	1508.0	617.0	15.0	1181	1566.2	617.0	15.0	1182	1613.0	617.0	15.0
1183	473.0	664.0	15.0	1184	505.2	664.0	15.0	1185	592.5	664.0	15.0
1186	652.5	664.0	15.0	1187	721.0	664.0	15.0	1188	781.0	664.0	15.0
1189	859.2	664.0	15.0	1190	920.5	664.0	15.0	1191	981.8	664.0	15.0
1192	1044.0	664.0	15.0	1193	1100.9	664.0	15.0	1194	1157.8	664.0	15.0
1195	1214.7	664.0	15.0	1196	1271.6	664.0	15.0	1197	1328.5	664.0	15.0
1198	1385.4	664.0	15.0	1199	1442.3	664.0	15.0	1200	1508.0	664.0	15.0
1201	1566.3	664.0	15.0	1202	1613.0	664.0	15.0	1203	473.0	714.0	15.0
1204	502.8	714.0	15.0	1205	587.1	714.0	15.0	1206	647.1	714.0	15.0
1207	717.4	714.0	15.0	1208	777.4	714.0	15.0	1209	859.2	714.0	15.0
1210	920.5	714.0	15.0	1211	981.8	714.0	15.0	1212	1044.0	714.0	15.0
1213	1100.9	714.0	15.0	1214	1157.8	714.0	15.0	1215	1214.7	714.0	15.0
1216	1271.6	714.0	15.0	1217	1328.5	714.0	15.0	1218	1385.4	714.0	15.0
1219	1442.3	714.0	15.0	1220	1508.0	714.0	15.0	1221	1566.5	714.0	15.0
1222	1613.0	714.0	15.0	1223	582.0	761.0	15.0	1224	642.0	761.0	15.0
1225	714.0	761.0	15.0	1226	774.0	761.0	15.0	1227	859.2	761.0	15.0
1228	920.5	762.0	15.0	1229	981.8	763.0	15.0	1230	500.6	763.2	15.0
1231	473.0	764.0	15.0	1232	1044.0	764.0	15.0	1233	1100.9	764.0	15.0
1234	1157.8	764.0	15.0	1235	1214.7	764.0	15.0	1236	1271.6	764.0	15.0
1237	1328.5	764.0	15.0	1238	1385.4	764.0	15.0	1239	1442.3	764.0	15.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
1240	1508.0	764.0	15.0	1241	1566.6	764.0	15.0	1242	1613.0	764.0	15.0
1243	582.0	801.0	15.0	1244	615.0	801.0	15.0	1245	642.0	801.0	15.0
1246	714.0	801.0	15.0	1247	741.0	801.0	15.0	1248	774.0	801.0	15.0
1249	859.2	801.0	15.0	1250	920.5	805.3	15.0	1251	981.8	809.6	15.0
1252	501.9	810.6	15.0	1253	473.0	814.0	15.0	1254	1044.0	814.0	15.0
1255	1100.9	814.0	15.0	1256	1157.8	814.0	15.0	1257	1214.7	814.0	15.0
1258	1271.6	814.0	15.0	1259	1328.5	814.0	15.0	1260	1385.4	814.0	15.0
1261	1442.3	814.0	15.0	1262	1508.0	814.0	15.0	1263	1566.7	814.0	15.0
1264	1613.0	814.0	15.0	1265	573.7	845.3	15.0	1266	782.3	845.3	15.0
1267	615.0	853.0	15.0	1268	645.0	853.0	15.0	1269	711.0	853.0	15.0
1270	741.0	853.0	15.0	1271	473.0	864.0	15.0	1272	1044.0	864.0	15.0
1273	1100.9	864.0	15.0	1274	1157.8	864.0	15.0	1275	1214.7	864.0	15.0
1276	1271.6	864.0	15.0	1277	1328.5	864.0	15.0	1278	1385.4	864.0	15.0
1279	1442.3	864.0	15.0	1280	1508.0	864.0	15.0	1281	1566.8	864.0	15.0
1282	1613.0	864.0	15.0	1283	981.8	867.4	15.0	1284	522.4	869.3	15.0
1285	920.5	870.8	15.0	1286	568.3	874.2	15.0	1287	787.7	874.2	15.0
1288	859.2	874.2	15.0	1289	615.0	883.0	15.0	1290	645.0	883.0	15.0
1291	711.0	883.0	15.0	1292	741.0	883.0	15.0	1293	473.0	929.0	15.0
1294	516.0	929.0	15.0	1295	558.0	929.0	15.0	1296	618.0	929.0	15.0
1297	678.0	929.0	15.0	1298	738.0	929.0	15.0	1299	798.0	929.0	15.0
1300	859.2	929.0	15.0	1301	920.5	929.0	15.0	1302	981.8	929.0	15.0
1303	1044.0	929.0	15.0	1304	1100.9	929.0	15.0	1305	1157.8	929.0	15.0
1306	1214.7	929.0	15.0	1307	1271.6	929.0	15.0	1308	1328.5	929.0	15.0
1309	1385.4	929.0	15.0	1310	1442.3	929.0	15.0	1311	1508.0	929.0	15.0
1312	1567.0	929.0	15.0	1313	1613.0	929.0	15.0	1314	473.0	979.0	15.0
1315	516.3	979.0	15.0	1316	560.5	979.0	15.0	1317	618.0	979.0	15.0
1318	678.0	979.0	15.0	1319	738.0	979.0	15.0	1320	798.0	979.0	15.0
1321	859.2	979.0	15.0	1322	922.7	979.0	15.0	1323	983.8	979.0	15.0
1324	1044.0	979.0	15.0	1325	1100.9	979.0	15.0	1326	1157.8	979.0	15.0
1327	1214.7	979.0	15.0	1328	1271.6	979.0	15.0	1329	1328.5	979.0	15.0
1330	1385.4	979.0	15.0	1331	1442.3	979.0	15.0	1332	1508.0	979.0	15.0
1333	1567.1	979.0	15.0	1334	1613.0	979.0	15.0	1335	473.0	1029.0	15.0
1336	516.5	1029.0	15.0	1337	563.1	1029.0	15.0	1338	618.0	1029.0	15.0
1339	678.0	1029.0	15.0	1340	738.0	1029.0	15.0	1341	798.0	1029.0	15.0
1342	859.2	1029.0	15.0	1343	924.9	1029.0	15.0	1344	985.9	1029.0	15.0
1345	1044.0	1029.0	15.0	1346	1100.9	1029.0	15.0	1347	1157.8	1029.0	15.0
1348	1214.7	1029.0	15.0	1349	1271.6	1029.0	15.0	1350	1328.5	1029.0	15.0
1351	1385.4	1029.0	15.0	1352	1442.3	1029.0	15.0	1353	1508.0	1029.0	15.0
1354	1567.3	1029.0	15.0	1355	1613.0	1029.0	15.0	1356	473.0	1079.0	15.0
1357	516.8	1079.0	15.0	1358	565.6	1079.0	15.0	1359	618.0	1079.0	15.0
1360	678.0	1079.0	15.0	1361	738.0	1079.0	15.0	1362	798.0	1079.0	15.0
1363	859.2	1079.0	15.0	1364	927.1	1079.0	15.0	1365	987.9	1079.0	15.0
1366	1044.0	1079.0	15.0	1367	1100.9	1079.0	15.0	1368	1157.8	1079.0	15.0
1369	1214.7	1079.0	15.0	1370	1271.6	1079.0	15.0	1371	1328.5	1079.0	15.0
1372	1385.4	1079.0	15.0	1373	1442.3	1079.0	15.0	1374	1508.0	1079.0	15.0
1375	1567.4	1079.0	15.0	1376	1613.0	1079.0	15.0	1377	473.0	1129.0	15.0
1378	517.0	1129.0	15.0	1379	568.1	1129.0	15.0	1380	618.0	1129.0	15.0
1381	678.0	1129.0	15.0	1382	738.0	1129.0	15.0	1383	798.0	1129.0	15.0
1384	859.2	1129.0	15.0	1385	929.4	1129.0	15.0	1386	990.0	1129.0	15.0
1387	1044.0	1129.0	15.0	1388	1100.9	1129.0	15.0	1389	1157.8	1129.0	15.0
1390	1214.7	1129.0	15.0	1391	1271.6	1129.0	15.0	1392	1328.5	1129.0	15.0
1393	1385.4	1129.0	15.0	1394	1442.3	1129.0	15.0	1395	1508.0	1129.0	15.0
1396	1567.5	1129.0	15.0	1397	1613.0	1129.0	15.0	1398	473.0	1179.0	15.0
1399	517.3	1179.0	15.0	1400	570.7	1179.0	15.0	1401	618.0	1179.0	15.0
1402	678.0	1179.0	15.0	1403	738.0	1179.0	15.0	1404	798.0	1179.0	15.0
1405	859.2	1179.0	15.0	1406	931.6	1179.0	15.0	1407	992.0	1179.0	15.0
1408	1044.0	1179.0	15.0	1409	1100.9	1179.0	15.0	1410	1157.8	1179.0	15.0
1411	1214.7	1179.0	15.0	1412	1271.6	1179.0	15.0	1413	1328.5	1179.0	15.0
1414	1385.4	1179.0	15.0	1415	1442.3	1179.0	15.0	1416	1508.0	1179.0	15.0
1417	1567.6	1179.0	15.0	1418	1613.0	1179.0	15.0	1419	473.0	1229.0	15.0
1420	517.5	1229.0	15.0	1421	573.2	1229.0	15.0	1422	618.0	1229.0	15.0
1423	678.0	1229.0	15.0	1424	738.0	1229.0	15.0	1425	798.0	1229.0	15.0
1426	859.2	1229.0	15.0	1427	933.8	1229.0	15.0	1428	994.1	1229.0	15.0
1429	1044.0	1229.0	15.0	1430	1100.9	1229.0	15.0	1431	1157.8	1229.0	15.0
1432	1214.7	1229.0	15.0	1433	1271.6	1229.0	15.0	1434	1328.5	1229.0	15.0
1435	1385.4	1229.0	15.0	1436	1442.3	1229.0	15.0	1437	1508.0	1229.0	15.0
1438	1567.8	1229.0	15.0	1439	1613.0	1229.0	15.0	1440	473.0	1279.0	15.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
1441	517.8	1279.0	15.0	1442	575.7	1279.0	15.0	1443	618.0	1279.0	15.0
1444	678.0	1279.0	15.0	1445	738.0	1279.0	15.0	1446	798.0	1279.0	15.0
1447	859.2	1279.0	15.0	1448	936.0	1279.0	15.0	1449	996.1	1279.0	15.0
1450	1044.0	1279.0	15.0	1451	1100.9	1279.0	15.0	1452	1157.8	1279.0	15.0
1453	1214.7	1279.0	15.0	1454	1271.6	1279.0	15.0	1455	1328.5	1279.0	15.0
1456	1385.4	1279.0	15.0	1457	1442.3	1279.0	15.0	1458	1508.0	1279.0	15.0
1459	1567.9	1279.0	15.0	1460	1613.0	1279.0	15.0	1461	518.0	1324.0	15.0
1462	578.0	1324.0	15.0	1463	618.0	1324.0	15.0	1464	678.0	1324.0	15.0
1465	738.0	1324.0	15.0	1466	798.0	1324.0	15.0	1467	859.2	1324.0	15.0
1468	938.0	1324.0	15.0	1469	998.0	1324.0	15.0	1470	1508.0	1324.0	15.0
1471	1568.0	1324.0	15.0	1472	1442.3	1324.7	15.0	1473	1385.4	1325.3	15.0
1474	1328.5	1325.9	15.0	1475	1271.6	1326.5	15.0	1476	1214.7	1327.2	15.0
1477	1157.8	1327.8	15.0	1478	1100.9	1328.4	15.0	1479	473.0	1329.0	15.0
1480	1044.0	1329.0	15.0	1481	1613.0	1329.0	15.0	1482	473.0	1379.0	15.0
1483	1044.0	1379.0	15.0	1484	1613.0	1379.0	15.0	1485	1100.9	1379.6	15.0
1486	1157.8	1380.2	15.0	1487	1214.7	1380.8	15.0	1488	1271.6	1381.5	15.0
1489	1328.5	1382.1	15.0	1490	1385.4	1382.7	15.0	1491	1442.3	1383.3	15.0
1492	518.0	1384.0	15.0	1493	578.0	1384.0	15.0	1494	618.0	1384.0	15.0
1495	678.0	1384.0	15.0	1496	738.0	1384.0	15.0	1497	798.0	1384.0	15.0
1498	859.2	1384.0	15.0	1499	938.0	1384.0	15.0	1500	998.0	1384.0	15.0
1501	1508.0	1384.0	15.0	1502	1568.0	1384.0	15.0	1503	473.0	1429.0	15.0
1504	516.0	1429.0	15.0	1505	558.0	1429.0	15.0	1506	618.0	1429.0	15.0
1507	678.0	1429.0	15.0	1508	738.0	1429.0	15.0	1509	798.0	1429.0	15.0
1510	859.2	1429.0	15.0	1511	920.5	1429.0	15.0	1512	981.8	1429.0	15.0
1513	1044.0	1429.0	15.0	1514	1100.9	1429.0	15.0	1515	1157.8	1429.0	15.0
1516	1214.7	1429.0	15.0	1517	1271.6	1429.0	15.0	1518	1328.5	1429.0	15.0
1519	1385.4	1429.0	15.0	1520	1442.3	1429.0	15.0	1521	1499.2	1429.0	15.0
1522	1556.1	1429.0	15.0	1523	1613.0	1429.0	15.0				

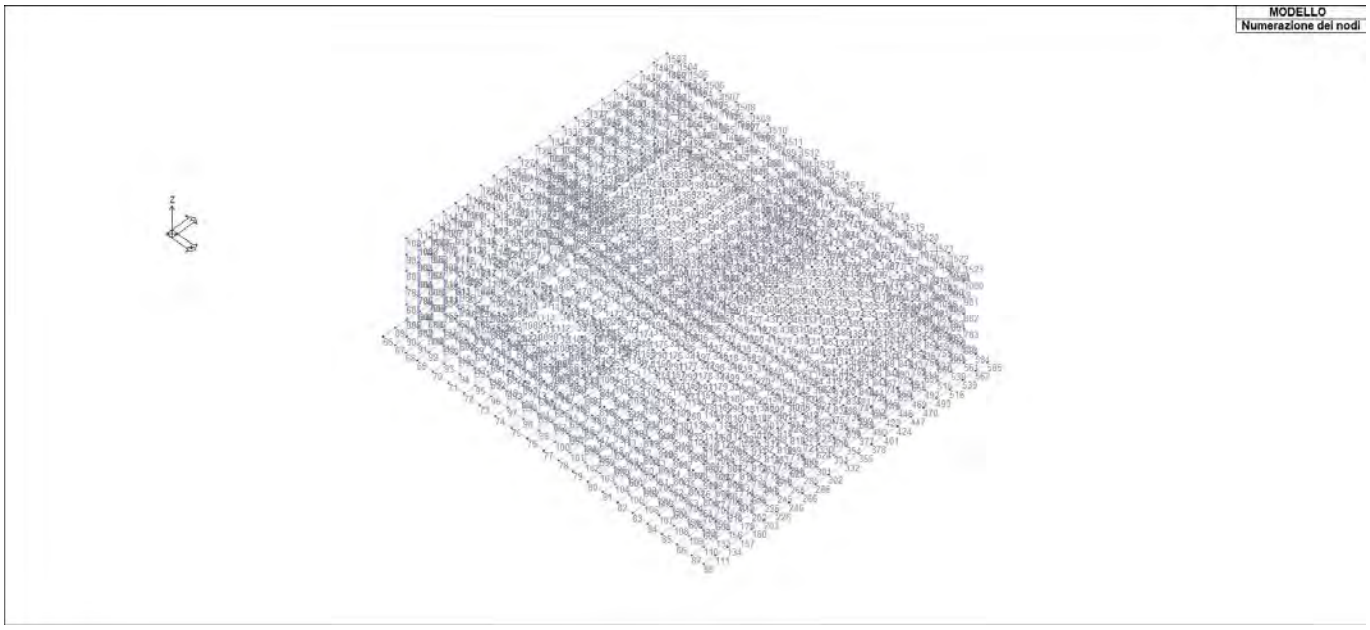
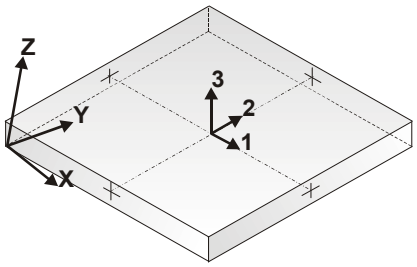


Figura 7 - MOD_NUMERAZIONE_NODI

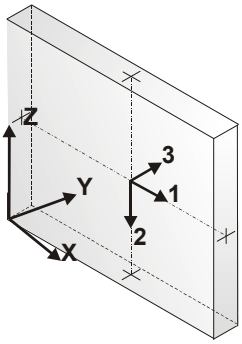
7 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

7.1 LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	1	2	9	8	5	8	30.0		10.06	6.13
2	Guscio fond.	2	3	10	9	5	8	30.0		4.89	2.98
3	Guscio fond.	3	4	11	10	5	8	30.0		3.37	2.06
4	Guscio fond.	4	5	12	11	5	8	30.0		3.12	1.90
5	Guscio fond.	5	6	13	12	5	8	30.0		3.51	2.14
6	Guscio fond.	6	7	14	13	5	8	30.0		5.04	3.07
7	Guscio fond.	8	9	16	15	5	8	30.0		5.73	3.49
8	Guscio fond.	9	10	17	16	5	8	30.0		3.07	1.87
9	Guscio fond.	10	11	18	17	5	8	30.0		2.32	1.41
10	Guscio fond.	11	12	19	18	5	8	30.0		2.20	1.34
11	Guscio fond.	12	13	20	19	5	8	30.0		2.49	1.52
12	Guscio fond.	13	14	21	20	5	8	30.0		3.50	2.13
13	Guscio fond.	15	16	23	22	5	8	30.0		4.27	2.60
14	Guscio fond.	16	17	24	23	5	8	30.0		2.50	1.53
15	Guscio fond.	17	18	25	24	5	8	30.0		1.95	1.19
16	Guscio fond.	18	19	26	25	5	8	30.0		1.88	1.14
17	Guscio fond.	19	20	27	26	5	8	30.0		2.12	1.29
18	Guscio fond.	20	21	28	27	5	8	30.0		2.93	1.78
19	Guscio fond.	22	23	30	29	5	8	30.0		4.28	2.61
20	Guscio fond.	23	24	31	30	5	8	30.0		2.50	1.53
21	Guscio fond.	24	25	32	31	5	8	30.0		1.95	1.19
22	Guscio fond.	25	26	33	32	5	8	30.0		1.88	1.14
23	Guscio fond.	26	27	34	33	5	8	30.0		2.12	1.29
24	Guscio fond.	27	28	35	34	5	8	30.0		2.93	1.78
25	Guscio fond.	29	30	37	36	5	8	30.0		5.76	3.51
26	Guscio fond.	30	31	38	37	5	8	30.0		3.07	1.87
27	Guscio fond.	31	32	39	38	5	8	30.0		2.32	1.41
28	Guscio fond.	32	33	40	39	5	8	30.0		2.20	1.34
29	Guscio fond.	33	34	41	40	5	8	30.0		2.49	1.52
30	Guscio fond.	34	35	42	41	5	8	30.0		3.50	2.13
31	Guscio fond.	36	37	44	43	5	8	30.0		9.79	5.97
32	Guscio fond.	37	38	45	44	5	8	30.0		4.91	2.99
33	Guscio fond.	38	39	46	45	5	8	30.0		3.38	2.06
34	Guscio fond.	39	40	47	46	5	8	30.0		3.12	1.90
35	Guscio fond.	40	41	48	47	5	8	30.0		3.51	2.14
36	Guscio fond.	41	42	49	48	5	8	30.0		5.04	3.07
37	Setto	50	51	10	9	5	3	30.0			
38	Setto	51	52	11	10	5	3	30.0			
39	Setto	52	53	12	11	5	3	30.0			
40	Setto	53	54	13	12	5	3	30.0			
41	Setto	9	16	55	50	5	3	30.0			
42	Setto	13	20	56	54	5	3	30.0			
43	Setto	16	23	57	55	5	3	30.0			
44	Setto	20	27	58	56	5	3	30.0			
45	Setto	23	30	59	57	5	3	30.0			
46	Setto	27	34	60	58	5	3	30.0			
47	Setto	30	37	61	59	5	3	30.0			
48	Setto	34	41	65	60	5	3	30.0			
49	Setto	61	62	38	37	5	3	30.0			
50	Setto	62	63	39	38	5	3	30.0			
51	Setto	63	64	40	39	5	3	30.0			
52	Setto	64	65	41	40	5	3	30.0			
53	Setto	205	206	51	50	5	3	30.0			
54	Setto	206	207	52	51	5	3	30.0			
55	Setto	207	208	53	52	5	3	30.0			
56	Setto	208	209	54	53	5	3	30.0			
57	Setto	50	55	230	205	5	3	30.0			
58	Setto	54	56	231	209	5	3	30.0			
59	Setto	55	57	250	230	5	3	30.0			
60	Setto	56	58	251	231	5	3	30.0			
61	Setto	57	59	270	250	5	3	30.0			
62	Setto	58	60	271	251	5	3	30.0			
63	Setto	59	61	304	270	5	3	30.0			
64	Setto	60	65	308	271	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
65	Setto	304	305	62	61	5	3	30.0			
66	Setto	305	306	63	62	5	3	30.0			
67	Setto	306	307	64	63	5	3	30.0			
68	Setto	307	308	65	64	5	3	30.0			
69	Guscio fond.	66	67	90	89	5	8	30.0		12.11	7.38
70	Guscio fond.	67	68	91	90	5	8	30.0		11.26	6.86
71	Guscio fond.	68	69	92	91	5	8	30.0		10.81	6.59
72	Guscio fond.	69	70	93	92	5	8	30.0		10.49	6.39
73	Guscio fond.	70	71	94	93	5	8	30.0		9.90	6.03
74	Guscio fond.	71	72	95	94	5	8	30.0		9.56	5.83
75	Guscio fond.	72	73	96	95	5	8	30.0		9.96	6.07
76	Guscio fond.	73	74	97	96	5	8	30.0		10.10	6.16
77	Guscio fond.	74	75	98	97	5	8	30.0		10.92	6.65
78	Guscio fond.	75	76	99	98	5	8	30.0		12.62	7.69
79	Guscio fond.	76	77	100	99	5	8	30.0		13.62	8.30
80	Guscio fond.	77	78	101	100	5	8	30.0		14.90	9.08
81	Guscio fond.	78	79	102	101	5	8	30.0		15.98	9.74
82	Guscio fond.	79	80	103	102	5	8	30.0		16.67	10.15
83	Guscio fond.	80	81	104	103	5	8	30.0		17.94	10.93
84	Guscio fond.	81	82	105	104	5	8	30.0		19.42	11.83
85	Guscio fond.	82	83	106	105	5	8	30.0		20.10	12.25
86	Guscio fond.	83	84	107	106	5	8	30.0		20.83	12.69
87	Guscio fond.	84	85	108	107	5	8	30.0		22.22	13.54
88	Guscio fond.	85	86	109	108	5	8	30.0		23.45	14.29
89	Guscio fond.	86	87	110	109	5	8	30.0		23.92	14.57
90	Guscio fond.	87	88	111	110	5	8	30.0		30.00	18.28
91	Guscio fond.	89	90	113	112	5	8	30.0		11.53	7.03
92	Guscio fond.	90	91	114	113	5	8	30.0		10.35	6.31
93	Guscio fond.	91	92	115	114	5	8	30.0		9.77	5.95
94	Guscio fond.	92	93	116	115	5	8	30.0		9.24	5.63
95	Guscio fond.	93	94	117	116	5	8	30.0		8.11	4.94
96	Guscio fond.	94	95	118	117	5	8	30.0		7.76	4.73
97	Guscio fond.	95	96	119	118	5	8	30.0		8.13	4.95
98	Guscio fond.	96	97	120	119	5	8	30.0		8.95	5.45
99	Guscio fond.	97	98	121	120	5	8	30.0		10.11	6.16
100	Guscio fond.	98	99	122	121	5	8	30.0		11.49	7.00
101	Guscio fond.	99	100	123	122	5	8	30.0		12.31	7.50
102	Guscio fond.	100	101	124	123	5	8	30.0		13.24	8.06
103	Guscio fond.	101	102	125	124	5	8	30.0		14.84	9.04
104	Guscio fond.	102	103	126	125	5	8	30.0		16.06	9.78
105	Guscio fond.	103	104	127	126	5	8	30.0		16.78	10.23
106	Guscio fond.	104	105	128	127	5	8	30.0		17.60	10.73
107	Guscio fond.	105	106	129	128	5	8	30.0		19.18	11.69
108	Guscio fond.	106	107	130	129	5	8	30.0		20.86	12.71
109	Guscio fond.	107	108	131	130	5	8	30.0		22.30	13.59
110	Guscio fond.	108	109	132	131	5	8	30.0		23.55	14.35
111	Guscio fond.	109	110	133	132	5	8	30.0		23.27	14.18
112	Guscio fond.	110	111	134	133	5	8	30.0		30.00	18.28
113	Guscio fond.	112	113	136	135	5	8	30.0		10.37	6.32
114	Guscio fond.	113	114	137	136	5	8	30.0		8.87	5.41
115	Guscio fond.	114	115	138	137	5	8	30.0		8.08	4.92
116	Guscio fond.	115	116	139	138	5	8	30.0		7.39	4.50
117	Guscio fond.	116	117	140	139	5	8	30.0		6.85	4.17
118	Guscio fond.	117	118	141	140	5	8	30.0		6.99	4.26
119	Guscio fond.	118	119	142	141	5	8	30.0		7.35	4.48
120	Guscio fond.	119	120	143	142	5	8	30.0		8.20	4.99
121	Guscio fond.	120	121	144	143	5	8	30.0		9.10	5.55
122	Guscio fond.	121	122	145	144	5	8	30.0		10.40	6.34
123	Guscio fond.	122	123	146	145	5	8	30.0		11.21	6.83
124	Guscio fond.	123	124	147	146	5	8	30.0		11.93	7.27
125	Guscio fond.	124	125	148	147	5	8	30.0		13.77	8.39
126	Guscio fond.	125	126	149	148	5	8	30.0		15.46	9.42
127	Guscio fond.	126	127	150	149	5	8	30.0		16.65	10.14
128	Guscio fond.	127	128	151	150	5	8	30.0		17.58	10.71
129	Guscio fond.	128	129	152	151	5	8	30.0		19.25	11.73
130	Guscio fond.	129	130	153	152	5	8	30.0		21.02	12.80
131	Guscio fond.	130	131	154	153	5	8	30.0		21.83	13.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
132	Guscio fond.	131	132	155	154	5	8	30.0		22.45	13.68
133	Guscio fond.	132	133	156	155	5	8	30.0		22.53	13.73
134	Guscio fond.	133	134	157	156	5	8	30.0		30.00	18.28
135	Guscio fond.	135	136	159	158	5	8	30.0		9.30	5.66
136	Guscio fond.	136	137	160	159	5	8	30.0		7.99	4.87
137	Guscio fond.	137	138	161	160	5	8	30.0		7.43	4.53
138	Guscio fond.	138	139	162	161	5	8	30.0		6.58	4.01
139	Guscio fond.	139	140	163	162	5	8	30.0		5.82	3.55
140	Guscio fond.	140	141	164	163	5	8	30.0		6.48	3.95
141	Guscio fond.	141	142	165	164	5	8	30.0		7.73	4.71
142	Guscio fond.	142	143	166	165	5	8	30.0		8.17	4.98
143	Guscio fond.	143	144	167	166	5	8	30.0		8.31	5.06
144	Guscio fond.	144	145	168	167	5	8	30.0		8.96	5.46
145	Guscio fond.	145	146	169	168	5	8	30.0		10.15	6.19
146	Guscio fond.	146	147	170	169	5	8	30.0		11.90	7.25
147	Guscio fond.	147	148	171	170	5	8	30.0		13.52	8.24
148	Guscio fond.	148	149	172	171	5	8	30.0		15.01	9.15
149	Guscio fond.	149	150	173	172	5	8	30.0		16.69	10.17
150	Guscio fond.	150	151	174	173	5	8	30.0		17.73	10.80
151	Guscio fond.	151	152	175	174	5	8	30.0		18.79	11.45
152	Guscio fond.	152	153	176	175	5	8	30.0		19.82	12.08
153	Guscio fond.	153	154	177	176	5	8	30.0		20.79	12.67
154	Guscio fond.	154	155	178	177	5	8	30.0		21.59	13.16
155	Guscio fond.	155	156	179	178	5	8	30.0		22.60	13.77
156	Guscio fond.	156	157	180	179	5	8	30.0		23.96	14.60
157	Guscio fond.	158	159	182	181	5	8	30.0		7.89	4.81
158	Guscio fond.	159	160	183	182	5	8	30.0		7.16	4.36
159	Guscio fond.	160	161	184	183	5	8	30.0		6.83	4.16
160	Guscio fond.	161	162	185	184	5	8	30.0		3.90	2.38
161	Guscio fond.	162	163	186	185	5	8	30.0		2.50	1.53
162	Guscio fond.	163	164	187	186	5	8	30.0		2.35	1.43
163	Guscio fond.	164	165	188	187	5	8	30.0		2.68	1.64
164	Guscio fond.	165	166	189	188	5	8	30.0		4.43	2.70
165	Guscio fond.	166	167	190	189	5	8	30.0		7.84	4.77
166	Guscio fond.	167	168	191	190	5	8	30.0		8.03	4.89
167	Guscio fond.	168	169	192	191	5	8	30.0		9.09	5.54
168	Guscio fond.	169	170	193	192	5	8	30.0		11.06	6.74
169	Guscio fond.	170	171	194	193	5	8	30.0		12.97	7.90
170	Guscio fond.	171	172	195	194	5	8	30.0		14.17	8.64
171	Guscio fond.	172	173	196	195	5	8	30.0		15.35	9.35
172	Guscio fond.	173	174	197	196	5	8	30.0		16.56	10.09
173	Guscio fond.	174	175	198	197	5	8	30.0		17.75	10.81
174	Guscio fond.	175	176	199	198	5	8	30.0		18.90	11.52
175	Guscio fond.	176	177	200	199	5	8	30.0		19.99	12.18
176	Guscio fond.	177	178	201	200	5	8	30.0		21.59	13.16
177	Guscio fond.	178	179	202	201	5	8	30.0		23.57	14.36
178	Guscio fond.	179	180	203	202	5	8	30.0		24.40	14.87
179	Guscio fond.	183	184	205	204	5	8	30.0		3.96	2.42
180	Guscio fond.	184	185	206	205	5	8	30.0		1.93	1.17
181	Guscio fond.	185	186	207	206	5	8	30.0		1.26	0.77
182	Guscio fond.	186	187	208	207	5	8	30.0		1.09	0.66
183	Guscio fond.	187	188	209	208	5	8	30.0		1.17	0.71
184	Guscio fond.	188	189	210	209	5	8	30.0		1.97	1.20
185	Guscio fond.	182	183	204	212	5	8	30.0		6.40	3.90
186	Guscio fond.	189	190	213	210	5	8	30.0		5.33	3.25
187	Guscio fond.	181	182	212	211	5	8	30.0		7.24	4.41
188	Guscio fond.	190	191	214	213	5	8	30.0		8.28	5.05
189	Guscio fond.	191	192	215	214	5	8	30.0		9.13	5.56
190	Guscio fond.	192	193	216	215	5	8	30.0		10.25	6.25
191	Guscio fond.	193	194	217	216	5	8	30.0		12.15	7.40
192	Guscio fond.	194	195	218	217	5	8	30.0		13.64	8.31
193	Guscio fond.	195	196	219	218	5	8	30.0		14.38	8.76
194	Guscio fond.	196	197	220	219	5	8	30.0		15.69	9.56
195	Guscio fond.	197	198	221	220	5	8	30.0		16.98	10.34
196	Guscio fond.	198	199	222	221	5	8	30.0		18.90	11.52
197	Guscio fond.	199	200	223	222	5	8	30.0		20.88	12.72
198	Guscio fond.	200	201	224	223	5	8	30.0		22.60	13.77

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
199	Guscio fond.	201	202	225	224	5	8	30.0		24.07	14.66
200	Guscio fond.	202	203	226	225	5	8	30.0		24.27	14.78
201	Guscio fond.	204	205	230	229	5	8	30.0		2.20	1.34
202	Guscio fond.	209	210	232	231	5	8	30.0		1.24	0.75
203	Guscio fond.	212	204	229	228	5	8	30.0		4.44	2.70
204	Guscio fond.	210	213	233	232	5	8	30.0		3.35	2.04
205	Guscio fond.	211	212	228	227	5	8	30.0		6.79	4.14
206	Guscio fond.	213	214	234	233	5	8	30.0		8.07	4.92
207	Guscio fond.	214	215	235	234	5	8	30.0		9.02	5.50
208	Guscio fond.	215	216	236	235	5	8	30.0		10.30	6.28
209	Guscio fond.	216	217	237	236	5	8	30.0		11.89	7.25
210	Guscio fond.	217	218	238	237	5	8	30.0		13.34	8.13
211	Guscio fond.	218	219	239	238	5	8	30.0		14.27	8.70
212	Guscio fond.	219	220	240	239	5	8	30.0		15.78	9.61
213	Guscio fond.	220	221	241	240	5	8	30.0		17.97	10.95
214	Guscio fond.	221	222	242	241	5	8	30.0		20.00	12.19
215	Guscio fond.	222	223	243	242	5	8	30.0		22.10	13.47
216	Guscio fond.	223	224	244	243	5	8	30.0		23.14	14.10
217	Guscio fond.	224	225	245	244	5	8	30.0		23.93	14.58
218	Guscio fond.	225	226	246	245	5	8	30.0		24.30	14.80
219	Guscio fond.	227	228	248	247	5	8	30.0		6.20	3.78
220	Guscio fond.	228	229	249	248	5	8	30.0		3.40	2.07
221	Guscio fond.	229	230	250	249	5	8	30.0		1.76	1.07
222	Guscio fond.	231	232	252	251	5	8	30.0		1.05	0.64
223	Guscio fond.	232	233	253	252	5	8	30.0		2.75	1.68
224	Guscio fond.	233	234	254	253	5	8	30.0		7.35	4.48
225	Guscio fond.	234	235	255	254	5	8	30.0		8.39	5.11
226	Guscio fond.	235	236	256	255	5	8	30.0		10.22	6.23
227	Guscio fond.	236	237	257	256	5	8	30.0		12.05	7.34
228	Guscio fond.	237	238	258	257	5	8	30.0		13.40	8.17
229	Guscio fond.	238	239	259	258	5	8	30.0		15.22	9.28
230	Guscio fond.	239	240	260	259	5	8	30.0		17.08	10.41
231	Guscio fond.	240	241	261	260	5	8	30.0		19.43	11.84
232	Guscio fond.	241	242	262	261	5	8	30.0		20.69	12.61
233	Guscio fond.	242	243	263	262	5	8	30.0		21.90	13.34
234	Guscio fond.	243	244	264	263	5	8	30.0		23.04	14.04
235	Guscio fond.	244	245	265	264	5	8	30.0		23.99	14.62
236	Guscio fond.	245	246	266	265	5	8	30.0		24.51	14.93
237	Guscio fond.	247	248	268	267	5	8	30.0		6.22	3.79
238	Guscio fond.	248	249	269	268	5	8	30.0		3.42	2.08
239	Guscio fond.	249	250	270	269	5	8	30.0		1.76	1.07
240	Guscio fond.	251	252	272	271	5	8	30.0		1.05	0.64
241	Guscio fond.	252	253	273	272	5	8	30.0		2.75	1.68
242	Guscio fond.	253	254	274	273	5	8	30.0		7.34	4.47
243	Guscio fond.	254	255	275	274	5	8	30.0		8.39	5.11
244	Guscio fond.	255	256	276	275	5	8	30.0		10.22	6.22
245	Guscio fond.	256	257	277	276	5	8	30.0		12.05	7.34
246	Guscio fond.	257	258	278	277	5	8	30.0		13.40	8.17
247	Guscio fond.	258	259	279	278	5	8	30.0		15.23	9.28
248	Guscio fond.	259	260	280	279	5	8	30.0		17.10	10.42
249	Guscio fond.	260	261	281	280	5	8	30.0		19.45	11.85
250	Guscio fond.	261	262	282	281	5	8	30.0		20.74	12.63
251	Guscio fond.	262	263	283	282	5	8	30.0		21.98	13.39
252	Guscio fond.	263	264	284	283	5	8	30.0		23.17	14.12
253	Guscio fond.	264	265	285	284	5	8	30.0		24.25	14.77
254	Guscio fond.	265	266	286	285	5	8	30.0		24.90	15.17
255	Guscio fond.	267	268	288	287	5	8	30.0		6.85	4.17
256	Guscio fond.	273	274	290	289	5	8	30.0		8.05	4.91
257	Guscio fond.	274	275	291	290	5	8	30.0		9.01	5.49
258	Guscio fond.	275	276	292	291	5	8	30.0		10.30	6.27
259	Guscio fond.	276	277	293	292	5	8	30.0		11.89	7.24
260	Guscio fond.	277	278	294	293	5	8	30.0		13.34	8.13
261	Guscio fond.	278	279	295	294	5	8	30.0		14.29	8.70
262	Guscio fond.	279	280	296	295	5	8	30.0		15.81	9.63
263	Guscio fond.	280	281	297	296	5	8	30.0		18.03	10.99
264	Guscio fond.	281	282	298	297	5	8	30.0		20.11	12.25
265	Guscio fond.	282	283	299	298	5	8	30.0		22.33	13.60

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
266	Guscio fond.	283	284	300	299	5	8	30.0		23.54	14.34
267	Guscio fond.	284	285	301	300	5	8	30.0		24.71	15.05
268	Guscio fond.	285	286	302	301	5	8	30.0		25.44	15.50
269	Guscio fond.	268	269	303	288	5	8	30.0		4.50	2.74
270	Guscio fond.	272	273	289	309	5	8	30.0		3.34	2.03
271	Guscio fond.	269	270	304	303	5	8	30.0		2.24	1.36
272	Guscio fond.	271	272	309	308	5	8	30.0		1.23	0.75
273	Guscio fond.	287	288	311	310	5	8	30.0		7.25	4.42
274	Guscio fond.	289	290	320	319	5	8	30.0		8.02	4.89
275	Guscio fond.	290	291	321	320	5	8	30.0		9.47	5.77
276	Guscio fond.	291	292	322	321	5	8	30.0		10.52	6.41
277	Guscio fond.	292	293	323	322	5	8	30.0		11.93	7.27
278	Guscio fond.	293	294	324	323	5	8	30.0		13.29	8.09
279	Guscio fond.	294	295	325	324	5	8	30.0		14.59	8.89
280	Guscio fond.	295	296	326	325	5	8	30.0		15.91	9.69
281	Guscio fond.	296	297	327	326	5	8	30.0		17.22	10.49
282	Guscio fond.	297	298	328	327	5	8	30.0		19.22	11.71
283	Guscio fond.	298	299	329	328	5	8	30.0		21.36	13.01
284	Guscio fond.	299	300	330	329	5	8	30.0		22.60	13.77
285	Guscio fond.	300	301	331	330	5	8	30.0		24.57	14.97
286	Guscio fond.	301	302	332	331	5	8	30.0		26.21	15.97
287	Guscio fond.	288	303	312	311	5	8	30.0		6.46	3.93
288	Guscio fond.	309	289	319	318	5	8	30.0		5.21	3.17
289	Guscio fond.	303	304	313	312	5	8	30.0		4.19	2.55
290	Guscio fond.	304	305	314	313	5	8	30.0		2.26	1.38
291	Guscio fond.	305	306	315	314	5	8	30.0		1.48	0.90
292	Guscio fond.	306	307	316	315	5	8	30.0		1.23	0.75
293	Guscio fond.	307	308	317	316	5	8	30.0		1.33	0.81
294	Guscio fond.	308	309	318	317	5	8	30.0		2.21	1.34
295	Guscio fond.	310	311	334	333	5	8	30.0		7.58	4.62
296	Guscio fond.	311	312	335	334	5	8	30.0		6.97	4.25
297	Guscio fond.	312	313	336	335	5	8	30.0		7.19	4.38
298	Guscio fond.	313	314	337	336	5	8	30.0		5.81	3.54
299	Guscio fond.	314	315	338	337	5	8	30.0		3.96	2.41
300	Guscio fond.	315	316	339	338	5	8	30.0		3.28	2.00
301	Guscio fond.	316	317	340	339	5	8	30.0		3.71	2.26
302	Guscio fond.	317	318	341	340	5	8	30.0		5.68	3.46
303	Guscio fond.	318	319	342	341	5	8	30.0		7.30	4.45
304	Guscio fond.	319	320	343	342	5	8	30.0		7.80	4.75
305	Guscio fond.	320	321	344	343	5	8	30.0		9.92	6.04
306	Guscio fond.	321	322	345	344	5	8	30.0		11.32	6.90
307	Guscio fond.	322	323	346	345	5	8	30.0		12.51	7.62
308	Guscio fond.	323	324	347	346	5	8	30.0		14.12	8.60
309	Guscio fond.	324	325	348	347	5	8	30.0		15.90	9.69
310	Guscio fond.	325	326	349	348	5	8	30.0		17.08	10.41
311	Guscio fond.	326	327	350	349	5	8	30.0		18.29	11.14
312	Guscio fond.	327	328	351	350	5	8	30.0		19.51	11.88
313	Guscio fond.	328	329	352	351	5	8	30.0		20.73	12.63
314	Guscio fond.	329	330	353	352	5	8	30.0		21.96	13.38
315	Guscio fond.	330	331	354	353	5	8	30.0		23.89	14.56
316	Guscio fond.	331	332	355	354	5	8	30.0		26.27	16.01
317	Guscio fond.	333	334	357	356	5	8	30.0		8.71	5.31
318	Guscio fond.	334	335	358	357	5	8	30.0		8.18	4.98
319	Guscio fond.	335	336	359	358	5	8	30.0		7.70	4.69
320	Guscio fond.	336	337	360	359	5	8	30.0		7.73	4.71
321	Guscio fond.	337	338	361	360	5	8	30.0		7.56	4.60
322	Guscio fond.	338	339	362	361	5	8	30.0		6.98	4.25
323	Guscio fond.	339	340	363	362	5	8	30.0		7.30	4.45
324	Guscio fond.	340	341	364	363	5	8	30.0		7.74	4.71
325	Guscio fond.	341	342	365	364	5	8	30.0		7.79	4.75
326	Guscio fond.	342	343	366	365	5	8	30.0		8.71	5.31
327	Guscio fond.	343	344	367	366	5	8	30.0		10.77	6.56
328	Guscio fond.	344	345	368	367	5	8	30.0		12.41	7.56
329	Guscio fond.	345	346	369	368	5	8	30.0		13.29	8.09
330	Guscio fond.	346	347	370	369	5	8	30.0		14.53	8.85
331	Guscio fond.	347	348	371	370	5	8	30.0		16.58	10.10
332	Guscio fond.	348	349	372	371	5	8	30.0		18.53	11.29

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
333	Guscio fond.	349	350	373	372	5	8	30.0		19.58	11.93
334	Guscio fond.	350	351	374	373	5	8	30.0		20.69	12.60
335	Guscio fond.	351	352	375	374	5	8	30.0		21.82	13.29
336	Guscio fond.	352	353	376	375	5	8	30.0		22.98	14.00
337	Guscio fond.	353	354	377	376	5	8	30.0		24.15	14.72
338	Guscio fond.	354	355	378	377	5	8	30.0		25.65	15.63
339	Guscio fond.	356	357	380	379	5	8	30.0		10.00	6.09
340	Guscio fond.	357	358	381	380	5	8	30.0		9.89	6.02
341	Guscio fond.	358	359	382	381	5	8	30.0		9.04	5.51
342	Guscio fond.	359	360	383	382	5	8	30.0		8.09	4.93
343	Guscio fond.	360	361	384	383	5	8	30.0		7.95	4.84
344	Guscio fond.	361	362	385	384	5	8	30.0		7.96	4.85
345	Guscio fond.	362	363	386	385	5	8	30.0		8.35	5.09
346	Guscio fond.	363	364	387	386	5	8	30.0		8.67	5.28
347	Guscio fond.	364	365	388	387	5	8	30.0		8.88	5.41
348	Guscio fond.	365	366	389	388	5	8	30.0		9.91	6.04
349	Guscio fond.	366	367	390	389	5	8	30.0		11.47	6.99
350	Guscio fond.	367	368	391	390	5	8	30.0		13.24	8.07
351	Guscio fond.	368	369	392	391	5	8	30.0		14.43	8.79
352	Guscio fond.	369	370	393	392	5	8	30.0		15.13	9.22
353	Guscio fond.	370	371	394	393	5	8	30.0		16.75	10.21
354	Guscio fond.	371	372	395	394	5	8	30.0		18.59	11.32
355	Guscio fond.	372	373	396	395	5	8	30.0		19.54	11.90
356	Guscio fond.	373	374	397	396	5	8	30.0		21.28	12.97
357	Guscio fond.	374	375	398	397	5	8	30.0		23.19	14.13
358	Guscio fond.	375	376	399	398	5	8	30.0		24.24	14.77
359	Guscio fond.	376	377	400	399	5	8	30.0		25.33	15.43
360	Guscio fond.	377	378	401	400	5	8	30.0		26.03	15.86
361	Guscio fond.	379	380	403	402	5	8	30.0		11.39	6.94
362	Guscio fond.	380	381	404	403	5	8	30.0		11.05	6.73
363	Guscio fond.	381	382	405	404	5	8	30.0		10.49	6.39
364	Guscio fond.	382	383	406	405	5	8	30.0		9.47	5.77
365	Guscio fond.	383	384	407	406	5	8	30.0		9.03	5.50
366	Guscio fond.	384	385	408	407	5	8	30.0		9.26	5.64
367	Guscio fond.	385	386	409	408	5	8	30.0		9.65	5.88
368	Guscio fond.	386	387	410	409	5	8	30.0		10.29	6.27
369	Guscio fond.	387	388	411	410	5	8	30.0		10.66	6.50
370	Guscio fond.	388	389	412	411	5	8	30.0		11.27	6.86
371	Guscio fond.	389	390	413	412	5	8	30.0		12.42	7.57
372	Guscio fond.	390	391	414	413	5	8	30.0		13.82	8.42
373	Guscio fond.	391	392	415	414	5	8	30.0		15.02	9.15
374	Guscio fond.	392	393	416	415	5	8	30.0		15.85	9.66
375	Guscio fond.	393	394	417	416	5	8	30.0		17.22	10.49
376	Guscio fond.	394	395	418	417	5	8	30.0		18.81	11.46
377	Guscio fond.	395	396	419	418	5	8	30.0		19.66	11.98
378	Guscio fond.	396	397	420	419	5	8	30.0		21.32	12.99
379	Guscio fond.	397	398	421	420	5	8	30.0		23.15	14.11
380	Guscio fond.	398	399	422	421	5	8	30.0		24.13	14.70
381	Guscio fond.	399	400	423	422	5	8	30.0		25.89	15.77
382	Guscio fond.	400	401	424	423	5	8	30.0		27.35	16.66
383	Guscio fond.	402	403	426	425	5	8	30.0		12.84	7.82
384	Guscio fond.	403	404	427	426	5	8	30.0		12.07	7.35
385	Guscio fond.	404	405	428	427	5	8	30.0		11.75	7.16
386	Guscio fond.	405	406	429	428	5	8	30.0		11.49	7.00
387	Guscio fond.	406	407	430	429	5	8	30.0		10.49	6.39
388	Guscio fond.	407	408	431	430	5	8	30.0		10.19	6.21
389	Guscio fond.	408	409	432	431	5	8	30.0		10.54	6.42
390	Guscio fond.	409	410	433	432	5	8	30.0		11.18	6.81
391	Guscio fond.	410	411	434	433	5	8	30.0		11.93	7.27
392	Guscio fond.	411	412	435	434	5	8	30.0		12.72	7.75
393	Guscio fond.	412	413	436	435	5	8	30.0		13.53	8.24
394	Guscio fond.	413	414	437	436	5	8	30.0		14.38	8.76
395	Guscio fond.	414	415	438	437	5	8	30.0		15.51	9.45
396	Guscio fond.	415	416	439	438	5	8	30.0		16.65	10.14
397	Guscio fond.	416	417	440	439	5	8	30.0		17.90	10.91
398	Guscio fond.	417	418	441	440	5	8	30.0		19.40	11.82
399	Guscio fond.	418	419	442	441	5	8	30.0		20.81	12.68

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
400	Guscio fond.	419	420	443	442	5	8	30.0		22.42	13.66
401	Guscio fond.	420	421	444	443	5	8	30.0		23.25	14.16
402	Guscio fond.	421	422	445	444	5	8	30.0		24.16	14.72
403	Guscio fond.	422	423	446	445	5	8	30.0		25.86	15.75
404	Guscio fond.	423	424	447	446	5	8	30.0		28.02	17.07
405	Guscio fond.	425	426	449	448	5	8	30.0		14.34	8.74
406	Guscio fond.	426	427	450	449	5	8	30.0		13.75	8.38
407	Guscio fond.	427	428	451	450	5	8	30.0		13.04	7.94
408	Guscio fond.	428	429	452	451	5	8	30.0		12.96	7.90
409	Guscio fond.	429	430	453	452	5	8	30.0		12.54	7.64
410	Guscio fond.	430	431	454	453	5	8	30.0		12.26	7.47
411	Guscio fond.	431	432	455	454	5	8	30.0		12.62	7.69
412	Guscio fond.	432	433	456	455	5	8	30.0		12.54	7.64
413	Guscio fond.	433	434	457	456	5	8	30.0		13.04	7.94
414	Guscio fond.	434	435	458	457	5	8	30.0		14.22	8.67
415	Guscio fond.	435	436	459	458	5	8	30.0		14.51	8.84
416	Guscio fond.	436	437	460	459	5	8	30.0		15.28	9.31
417	Guscio fond.	437	438	461	460	5	8	30.0		16.77	10.22
418	Guscio fond.	438	439	462	461	5	8	30.0		17.80	10.84
419	Guscio fond.	439	440	463	462	5	8	30.0		18.80	11.46
420	Guscio fond.	440	441	464	463	5	8	30.0		20.05	12.22
421	Guscio fond.	441	442	465	464	5	8	30.0		21.39	13.03
422	Guscio fond.	442	443	466	465	5	8	30.0		22.91	13.96
423	Guscio fond.	443	444	467	466	5	8	30.0		24.36	14.84
424	Guscio fond.	444	445	468	467	5	8	30.0		25.98	15.83
425	Guscio fond.	445	446	469	468	5	8	30.0		26.81	16.33
426	Guscio fond.	446	447	470	469	5	8	30.0		28.07	17.10
427	Guscio fond.	448	449	472	471	5	8	30.0		15.62	9.52
428	Guscio fond.	449	450	473	472	5	8	30.0		15.44	9.41
429	Guscio fond.	450	451	474	473	5	8	30.0		14.19	8.64
430	Guscio fond.	451	452	475	474	5	8	30.0		13.72	8.36
431	Guscio fond.	452	453	476	475	5	8	30.0		14.03	8.55
432	Guscio fond.	453	454	477	476	5	8	30.0		14.30	8.71
433	Guscio fond.	454	455	478	477	5	8	30.0		14.11	8.60
434	Guscio fond.	455	456	479	478	5	8	30.0		13.91	8.48
435	Guscio fond.	456	457	480	479	5	8	30.0		14.78	9.01
436	Guscio fond.	457	458	481	480	5	8	30.0		15.52	9.46
437	Guscio fond.	458	459	482	481	5	8	30.0		15.76	9.60
438	Guscio fond.	459	460	483	482	5	8	30.0		16.89	10.29
439	Guscio fond.	460	461	484	483	5	8	30.0		17.50	10.66
440	Guscio fond.	461	462	485	484	5	8	30.0		18.16	11.06
441	Guscio fond.	462	463	486	485	5	8	30.0		19.85	12.10
442	Guscio fond.	463	464	487	486	5	8	30.0		21.02	12.80
443	Guscio fond.	464	465	488	487	5	8	30.0		22.14	13.49
444	Guscio fond.	465	466	489	488	5	8	30.0		23.47	14.30
445	Guscio fond.	466	467	490	489	5	8	30.0		24.85	15.14
446	Guscio fond.	467	468	491	490	5	8	30.0		26.40	16.08
447	Guscio fond.	468	469	492	491	5	8	30.0		27.89	16.99
448	Guscio fond.	469	470	493	492	5	8	30.0		29.11	17.73
449	Guscio fond.	471	472	495	494	5	8	30.0		16.37	9.98
450	Guscio fond.	472	473	496	495	5	8	30.0		16.61	10.12
451	Guscio fond.	473	474	497	496	5	8	30.0		15.47	9.43
452	Guscio fond.	474	475	498	497	5	8	30.0		14.51	8.84
453	Guscio fond.	475	476	499	498	5	8	30.0		14.37	8.75
454	Guscio fond.	476	477	500	499	5	8	30.0		14.72	8.97
455	Guscio fond.	477	478	501	500	5	8	30.0		14.45	8.80
456	Guscio fond.	478	479	502	501	5	8	30.0		14.68	8.94
457	Guscio fond.	479	480	503	502	5	8	30.0		16.03	9.77
458	Guscio fond.	480	481	504	503	5	8	30.0		16.30	9.93
459	Guscio fond.	481	482	505	504	5	8	30.0		16.89	10.29
460	Guscio fond.	482	483	506	505	5	8	30.0		17.92	10.92
461	Guscio fond.	483	484	507	506	5	8	30.0		18.17	11.07
462	Guscio fond.	484	485	508	507	5	8	30.0		19.51	11.88
463	Guscio fond.	485	486	509	508	5	8	30.0		21.08	12.84
464	Guscio fond.	486	487	510	509	5	8	30.0		22.00	13.40
465	Guscio fond.	487	488	511	510	5	8	30.0		23.05	14.04
466	Guscio fond.	488	489	512	511	5	8	30.0		24.30	14.81

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
467	Guscio fond.	489	490	513	512	5	8	30.0		25.51	15.54
468	Guscio fond.	490	491	514	513	5	8	30.0		26.90	16.39
469	Guscio fond.	491	492	515	514	5	8	30.0		28.32	17.25
470	Guscio fond.	492	493	516	515	5	8	30.0		29.49	17.97
471	Guscio fond.	494	495	518	517	5	8	30.0		17.62	10.74
472	Guscio fond.	495	496	519	518	5	8	30.0		17.19	10.47
473	Guscio fond.	496	497	520	519	5	8	30.0		16.19	9.86
474	Guscio fond.	497	498	521	520	5	8	30.0		16.03	9.77
475	Guscio fond.	498	499	522	521	5	8	30.0		16.08	9.80
476	Guscio fond.	499	500	523	522	5	8	30.0		15.88	9.68
477	Guscio fond.	500	501	524	523	5	8	30.0		16.16	9.85
478	Guscio fond.	501	502	525	524	5	8	30.0		16.21	9.87
479	Guscio fond.	502	503	526	525	5	8	30.0		16.69	10.17
480	Guscio fond.	503	504	527	526	5	8	30.0		17.55	10.69
481	Guscio fond.	504	505	528	527	5	8	30.0		18.05	11.00
482	Guscio fond.	505	506	529	528	5	8	30.0		18.85	11.48
483	Guscio fond.	506	507	530	529	5	8	30.0		19.80	12.06
484	Guscio fond.	507	508	531	530	5	8	30.0		21.01	12.80
485	Guscio fond.	508	509	532	531	5	8	30.0		22.42	13.66
486	Guscio fond.	509	510	533	532	5	8	30.0		23.26	14.17
487	Guscio fond.	510	511	534	533	5	8	30.0		24.10	14.68
488	Guscio fond.	511	512	535	534	5	8	30.0		25.16	15.33
489	Guscio fond.	512	513	536	535	5	8	30.0		26.31	16.03
490	Guscio fond.	513	514	537	536	5	8	30.0		27.62	16.83
491	Guscio fond.	514	515	538	537	5	8	30.0		28.90	17.61
492	Guscio fond.	515	516	539	538	5	8	30.0		29.94	18.24
493	Guscio fond.	517	518	541	540	5	8	30.0		19.02	11.59
494	Guscio fond.	518	519	542	541	5	8	30.0		17.85	10.88
495	Guscio fond.	519	520	543	542	5	8	30.0		17.66	10.76
496	Guscio fond.	520	521	544	543	5	8	30.0		18.46	11.25
497	Guscio fond.	521	522	545	544	5	8	30.0		18.74	11.42
498	Guscio fond.	522	523	546	545	5	8	30.0		18.54	11.30
499	Guscio fond.	523	524	547	546	5	8	30.0		18.83	11.47
500	Guscio fond.	524	525	548	547	5	8	30.0		18.64	11.35
501	Guscio fond.	525	526	549	548	5	8	30.0		18.14	11.05
502	Guscio fond.	526	527	550	549	5	8	30.0		18.95	11.55
503	Guscio fond.	527	528	551	550	5	8	30.0		19.38	11.80
504	Guscio fond.	528	529	552	551	5	8	30.0		19.95	12.15
505	Guscio fond.	529	530	553	552	5	8	30.0		20.82	12.69
506	Guscio fond.	530	531	554	553	5	8	30.0		21.80	13.28
507	Guscio fond.	531	532	555	554	5	8	30.0		23.12	14.09
508	Guscio fond.	532	533	556	555	5	8	30.0		23.67	14.42
509	Guscio fond.	533	534	557	556	5	8	30.0		25.26	15.39
510	Guscio fond.	534	535	558	557	5	8	30.0		26.25	16.00
511	Guscio fond.	535	536	559	558	5	8	30.0		27.24	16.59
512	Guscio fond.	536	537	560	559	5	8	30.0		28.39	17.30
513	Guscio fond.	537	538	561	560	5	8	30.0		29.61	18.04
514	Guscio fond.	538	539	562	561	5	8	30.0		30.00	18.28
515	Guscio fond.	540	541	564	563	5	8	30.0		19.44	11.84
516	Guscio fond.	541	542	565	564	5	8	30.0		19.09	11.63
517	Guscio fond.	542	543	566	565	5	8	30.0		19.82	12.08
518	Guscio fond.	543	544	567	566	5	8	30.0		19.91	12.13
519	Guscio fond.	544	545	568	567	5	8	30.0		19.31	11.76
520	Guscio fond.	545	546	569	568	5	8	30.0		19.13	11.66
521	Guscio fond.	546	547	570	569	5	8	30.0		19.39	11.81
522	Guscio fond.	547	548	571	570	5	8	30.0		20.08	12.24
523	Guscio fond.	548	549	572	571	5	8	30.0		20.32	12.38
524	Guscio fond.	549	550	573	572	5	8	30.0		20.14	12.27
525	Guscio fond.	550	551	574	573	5	8	30.0		20.40	12.43
526	Guscio fond.	551	552	575	574	5	8	30.0		20.91	12.74
527	Guscio fond.	552	553	576	575	5	8	30.0		21.60	13.16
528	Guscio fond.	553	554	577	576	5	8	30.0		22.51	13.71
529	Guscio fond.	554	555	578	577	5	8	30.0		23.63	14.40
530	Guscio fond.	555	556	579	578	5	8	30.0		24.93	15.19
531	Guscio fond.	556	557	580	579	5	8	30.0		26.41	16.09
532	Guscio fond.	557	558	581	580	5	8	30.0		27.21	16.58
533	Guscio fond.	558	559	582	581	5	8	30.0		28.14	17.14

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
534	Guscio fond.	559	560	583	582	5	8	30.0		29.23	17.81
535	Guscio fond.	560	561	584	583	5	8	30.0		30.00	18.28
536	Guscio fond.	561	562	585	584	5	8	30.0		30.00	18.28
537	Setto	586	587	91	90	5	3	30.0			
538	Setto	587	588	92	91	5	3	30.0			
539	Setto	588	589	93	92	5	3	30.0			
540	Setto	589	590	94	93	5	3	30.0			
541	Setto	590	591	95	94	5	3	30.0			
542	Setto	591	592	96	95	5	3	30.0			
543	Setto	592	593	97	96	5	3	30.0			
544	Setto	593	594	98	97	5	3	30.0			
545	Setto	594	595	99	98	5	3	30.0			
546	Setto	595	596	100	99	5	3	30.0			
547	Setto	596	597	101	100	5	3	30.0			
548	Setto	597	598	102	101	5	3	30.0			
549	Setto	598	599	103	102	5	3	30.0			
550	Setto	599	600	104	103	5	3	30.0			
551	Setto	600	601	105	104	5	3	30.0			
552	Setto	601	602	106	105	5	3	30.0			
553	Setto	602	603	107	106	5	3	30.0			
554	Setto	603	604	108	107	5	3	30.0			
555	Setto	604	605	109	108	5	3	30.0			
556	Setto	605	606	110	109	5	3	30.0			
557	Setto	90	113	607	586	5	3	30.0			
558	Setto	110	133	608	606	5	3	30.0			
559	Setto	113	136	609	607	5	3	30.0			
560	Setto	133	156	610	608	5	3	30.0			
561	Setto	136	159	611	609	5	3	30.0			
562	Setto	156	179	612	610	5	3	30.0			
563	Setto	159	182	613	611	5	3	30.0			
564	Setto	179	202	614	612	5	3	30.0			
565	Setto	182	212	615	613	5	3	30.0			
566	Setto	202	225	616	614	5	3	30.0			
567	Setto	212	228	617	615	5	3	30.0			
568	Setto	225	245	618	616	5	3	30.0			
569	Setto	228	248	619	617	5	3	30.0			
570	Setto	245	265	620	618	5	3	30.0			
571	Setto	248	268	621	619	5	3	30.0			
572	Setto	265	285	622	620	5	3	30.0			
573	Setto	268	288	623	621	5	3	30.0			
574	Setto	285	301	624	622	5	3	30.0			
575	Setto	288	311	625	623	5	3	30.0			
576	Setto	301	331	636	624	5	3	30.0			
577	Setto	625	626	312	311	5	3	30.0			
578	Setto	626	627	313	312	5	3	30.0			
579	Setto	627	628	314	313	5	3	30.0			
580	Setto	628	629	315	314	5	3	30.0			
581	Setto	629	630	316	315	5	3	30.0			
582	Setto	630	631	317	316	5	3	30.0			
583	Setto	631	632	318	317	5	3	30.0			
584	Setto	632	633	319	318	5	3	30.0			
585	Setto	633	634	320	319	5	3	30.0			
586	Setto	634	635	321	320	5	3	30.0			
587	Setto	311	334	637	625	5	3	30.0			
588	Setto	321	344	638	635	5	3	30.0			
589	Setto	331	354	639	636	5	3	30.0			
590	Setto	334	357	640	637	5	3	30.0			
591	Setto	344	367	641	638	5	3	30.0			
592	Setto	354	377	642	639	5	3	30.0			
593	Setto	357	380	643	640	5	3	30.0			
594	Setto	367	390	644	641	5	3	30.0			
595	Setto	377	400	645	642	5	3	30.0			
596	Setto	380	403	646	643	5	3	30.0			
597	Setto	390	413	647	644	5	3	30.0			
598	Setto	400	423	648	645	5	3	30.0			
599	Setto	403	426	649	646	5	3	30.0			
600	Setto	413	436	650	647	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
601	Setto	423	446	651	648	5	3	30.0			
602	Setto	426	449	652	649	5	3	30.0			
603	Setto	436	459	653	650	5	3	30.0			
604	Setto	446	469	654	651	5	3	30.0			
605	Setto	449	472	655	652	5	3	30.0			
606	Setto	459	482	656	653	5	3	30.0			
607	Setto	469	492	657	654	5	3	30.0			
608	Setto	472	495	658	655	5	3	30.0			
609	Setto	482	505	659	656	5	3	30.0			
610	Setto	492	515	660	657	5	3	30.0			
611	Setto	495	518	661	658	5	3	30.0			
612	Setto	505	528	662	659	5	3	30.0			
613	Setto	515	538	663	660	5	3	30.0			
614	Setto	518	541	664	661	5	3	30.0			
615	Setto	528	551	674	662	5	3	30.0			
616	Setto	538	561	684	663	5	3	30.0			
617	Setto	664	665	542	541	5	3	30.0			
618	Setto	665	666	543	542	5	3	30.0			
619	Setto	666	667	544	543	5	3	30.0			
620	Setto	667	668	545	544	5	3	30.0			
621	Setto	668	669	546	545	5	3	30.0			
622	Setto	669	670	547	546	5	3	30.0			
623	Setto	670	671	548	547	5	3	30.0			
624	Setto	671	672	549	548	5	3	30.0			
625	Setto	672	673	550	549	5	3	30.0			
626	Setto	673	674	551	550	5	3	30.0			
627	Setto	674	675	552	551	5	3	30.0			
628	Setto	675	676	553	552	5	3	30.0			
629	Setto	676	677	554	553	5	3	30.0			
630	Setto	677	678	555	554	5	3	30.0			
631	Setto	678	679	556	555	5	3	30.0			
632	Setto	679	680	557	556	5	3	30.0			
633	Setto	680	681	558	557	5	3	30.0			
634	Setto	681	682	559	558	5	3	30.0			
635	Setto	682	683	560	559	5	3	30.0			
636	Setto	683	684	561	560	5	3	30.0			
637	Setto	685	686	587	586	5	3	30.0			
638	Setto	686	687	588	587	5	3	30.0			
639	Setto	687	688	589	588	5	3	30.0			
640	Setto	688	689	590	589	5	3	30.0			
641	Setto	689	690	591	590	5	3	30.0			
642	Setto	690	691	592	591	5	3	30.0			
643	Setto	691	692	593	592	5	3	30.0			
644	Setto	692	693	594	593	5	3	30.0			
645	Setto	693	694	595	594	5	3	30.0			
646	Setto	694	695	596	595	5	3	30.0			
647	Setto	695	696	597	596	5	3	30.0			
648	Setto	696	697	598	597	5	3	30.0			
649	Setto	697	698	599	598	5	3	30.0			
650	Setto	698	699	600	599	5	3	30.0			
651	Setto	699	700	601	600	5	3	30.0			
652	Setto	700	701	602	601	5	3	30.0			
653	Setto	701	702	603	602	5	3	30.0			
654	Setto	702	703	604	603	5	3	30.0			
655	Setto	703	704	605	604	5	3	30.0			
656	Setto	704	705	606	605	5	3	30.0			
657	Setto	586	607	706	685	5	3	30.0			
658	Setto	606	608	707	705	5	3	30.0			
659	Setto	607	609	708	706	5	3	30.0			
660	Setto	608	610	709	707	5	3	30.0			
661	Setto	609	611	710	708	5	3	30.0			
662	Setto	610	612	711	709	5	3	30.0			
663	Setto	611	613	712	710	5	3	30.0			
664	Setto	612	614	713	711	5	3	30.0			
665	Setto	613	615	714	712	5	3	30.0			
666	Setto	614	616	715	713	5	3	30.0			
667	Setto	615	617	716	714	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
668	Setto	616	618	717	715	5	3	30.0			
669	Setto	617	619	718	716	5	3	30.0			
670	Setto	618	620	719	717	5	3	30.0			
671	Setto	619	621	720	718	5	3	30.0			
672	Setto	620	622	721	719	5	3	30.0			
673	Setto	621	623	722	720	5	3	30.0			
674	Setto	622	624	723	721	5	3	30.0			
675	Setto	623	625	724	722	5	3	30.0			
676	Setto	624	636	735	723	5	3	30.0			
677	Setto	724	725	626	625	5	3	30.0			
678	Setto	725	726	627	626	5	3	30.0			
679	Setto	726	727	628	627	5	3	30.0			
680	Setto	727	728	629	628	5	3	30.0			
681	Setto	728	729	630	629	5	3	30.0			
682	Setto	729	730	631	630	5	3	30.0			
683	Setto	730	731	632	631	5	3	30.0			
684	Setto	731	732	633	632	5	3	30.0			
685	Setto	732	733	634	633	5	3	30.0			
686	Setto	733	734	635	634	5	3	30.0			
687	Setto	625	637	736	724	5	3	30.0			
688	Setto	635	638	737	734	5	3	30.0			
689	Setto	636	639	738	735	5	3	30.0			
690	Setto	637	640	739	736	5	3	30.0			
691	Setto	638	641	740	737	5	3	30.0			
692	Setto	639	642	741	738	5	3	30.0			
693	Setto	640	643	742	739	5	3	30.0			
694	Setto	641	644	743	740	5	3	30.0			
695	Setto	642	645	744	741	5	3	30.0			
696	Setto	643	646	745	742	5	3	30.0			
697	Setto	644	647	746	743	5	3	30.0			
698	Setto	645	648	747	744	5	3	30.0			
699	Setto	646	649	748	745	5	3	30.0			
700	Setto	647	650	749	746	5	3	30.0			
701	Setto	648	651	750	747	5	3	30.0			
702	Setto	649	652	751	748	5	3	30.0			
703	Setto	650	653	752	749	5	3	30.0			
704	Setto	651	654	753	750	5	3	30.0			
705	Setto	652	655	754	751	5	3	30.0			
706	Setto	653	656	755	752	5	3	30.0			
707	Setto	654	657	756	753	5	3	30.0			
708	Setto	655	658	757	754	5	3	30.0			
709	Setto	656	659	758	755	5	3	30.0			
710	Setto	657	660	759	756	5	3	30.0			
711	Setto	658	661	760	757	5	3	30.0			
712	Setto	659	662	761	758	5	3	30.0			
713	Setto	660	663	762	759	5	3	30.0			
714	Setto	661	664	763	760	5	3	30.0			
715	Setto	662	674	773	761	5	3	30.0			
716	Setto	663	684	783	762	5	3	30.0			
717	Setto	763	764	665	664	5	3	30.0			
718	Setto	764	765	666	665	5	3	30.0			
719	Setto	765	766	667	666	5	3	30.0			
720	Setto	766	767	668	667	5	3	30.0			
721	Setto	767	768	669	668	5	3	30.0			
722	Setto	768	769	670	669	5	3	30.0			
723	Setto	769	770	671	670	5	3	30.0			
724	Setto	770	771	672	671	5	3	30.0			
725	Setto	771	772	673	672	5	3	30.0			
726	Setto	772	773	674	673	5	3	30.0			
727	Setto	773	774	675	674	5	3	30.0			
728	Setto	774	775	676	675	5	3	30.0			
729	Setto	775	776	677	676	5	3	30.0			
730	Setto	776	777	678	677	5	3	30.0			
731	Setto	777	778	679	678	5	3	30.0			
732	Setto	778	779	680	679	5	3	30.0			
733	Setto	779	780	681	680	5	3	30.0			
734	Setto	780	781	682	681	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
735	Setto	781	782	683	682	5	3	30.0			
736	Setto	782	783	684	683	5	3	30.0			
737	Setto	784	785	686	685	5	3	30.0			
738	Setto	785	786	687	686	5	3	30.0			
739	Setto	786	787	688	687	5	3	30.0			
740	Setto	787	788	689	688	5	3	30.0			
741	Setto	788	789	690	689	5	3	30.0			
742	Setto	789	790	691	690	5	3	30.0			
743	Setto	790	791	692	691	5	3	30.0			
744	Setto	791	792	693	692	5	3	30.0			
745	Setto	792	793	694	693	5	3	30.0			
746	Setto	793	794	695	694	5	3	30.0			
747	Setto	794	795	696	695	5	3	30.0			
748	Setto	795	796	697	696	5	3	30.0			
749	Setto	796	797	698	697	5	3	30.0			
750	Setto	797	798	699	698	5	3	30.0			
751	Setto	798	799	700	699	5	3	30.0			
752	Setto	799	800	701	700	5	3	30.0			
753	Setto	800	801	702	701	5	3	30.0			
754	Setto	801	802	703	702	5	3	30.0			
755	Setto	802	803	704	703	5	3	30.0			
756	Setto	803	804	705	704	5	3	30.0			
757	Setto	685	706	805	784	5	3	30.0			
758	Setto	705	707	806	804	5	3	30.0			
759	Setto	706	708	807	805	5	3	30.0			
760	Setto	707	709	808	806	5	3	30.0			
761	Setto	708	710	809	807	5	3	30.0			
762	Setto	709	711	810	808	5	3	30.0			
763	Setto	710	712	811	809	5	3	30.0			
764	Setto	711	713	812	810	5	3	30.0			
765	Setto	712	714	813	811	5	3	30.0			
766	Setto	713	715	814	812	5	3	30.0			
767	Setto	714	716	815	813	5	3	30.0			
768	Setto	715	717	816	814	5	3	30.0			
769	Setto	716	718	817	815	5	3	30.0			
770	Setto	717	719	818	816	5	3	30.0			
771	Setto	718	720	819	817	5	3	30.0			
772	Setto	719	721	820	818	5	3	30.0			
773	Setto	720	722	821	819	5	3	30.0			
774	Setto	721	723	822	820	5	3	30.0			
775	Setto	722	724	823	821	5	3	30.0			
776	Setto	723	735	834	822	5	3	30.0			
777	Setto	823	824	725	724	5	3	30.0			
778	Setto	824	825	726	725	5	3	30.0			
779	Setto	825	826	727	726	5	3	30.0			
780	Setto	826	827	728	727	5	3	30.0			
781	Setto	827	828	729	728	5	3	30.0			
782	Setto	828	829	730	729	5	3	30.0			
783	Setto	829	830	731	730	5	3	30.0			
784	Setto	830	831	732	731	5	3	30.0			
785	Setto	831	832	733	732	5	3	30.0			
786	Setto	832	833	734	733	5	3	30.0			
787	Setto	724	736	835	823	5	3	30.0			
788	Setto	734	737	836	833	5	3	30.0			
789	Setto	735	738	837	834	5	3	30.0			
790	Setto	736	739	838	835	5	3	30.0			
791	Setto	737	740	839	836	5	3	30.0			
792	Setto	738	741	840	837	5	3	30.0			
793	Setto	739	742	841	838	5	3	30.0			
794	Setto	740	743	842	839	5	3	30.0			
795	Setto	741	744	843	840	5	3	30.0			
796	Setto	742	745	844	841	5	3	30.0			
797	Setto	743	746	845	842	5	3	30.0			
798	Setto	744	747	846	843	5	3	30.0			
799	Setto	745	748	847	844	5	3	30.0			
800	Setto	746	749	848	845	5	3	30.0			
801	Setto	747	750	849	846	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
802	Setto	748	751	850	847	5	3	30.0			
803	Setto	749	752	851	848	5	3	30.0			
804	Setto	750	753	852	849	5	3	30.0			
805	Setto	751	754	853	850	5	3	30.0			
806	Setto	752	755	854	851	5	3	30.0			
807	Setto	753	756	855	852	5	3	30.0			
808	Setto	754	757	856	853	5	3	30.0			
809	Setto	755	758	857	854	5	3	30.0			
810	Setto	756	759	858	855	5	3	30.0			
811	Setto	757	760	859	856	5	3	30.0			
812	Setto	758	761	860	857	5	3	30.0			
813	Setto	759	762	861	858	5	3	30.0			
814	Setto	760	763	862	859	5	3	30.0			
815	Setto	761	773	872	860	5	3	30.0			
816	Setto	762	783	882	861	5	3	30.0			
817	Setto	862	863	764	763	5	3	30.0			
818	Setto	863	864	765	764	5	3	30.0			
819	Setto	864	865	766	765	5	3	30.0			
820	Setto	865	866	767	766	5	3	30.0			
821	Setto	866	867	768	767	5	3	30.0			
822	Setto	867	868	769	768	5	3	30.0			
823	Setto	868	869	770	769	5	3	30.0			
824	Setto	869	870	771	770	5	3	30.0			
825	Setto	870	871	772	771	5	3	30.0			
826	Setto	871	872	773	772	5	3	30.0			
827	Setto	872	873	774	773	5	3	30.0			
828	Setto	873	874	775	774	5	3	30.0			
829	Setto	874	875	776	775	5	3	30.0			
830	Setto	875	876	777	776	5	3	30.0			
831	Setto	876	877	778	777	5	3	30.0			
832	Setto	877	878	779	778	5	3	30.0			
833	Setto	878	879	780	779	5	3	30.0			
834	Setto	879	880	781	780	5	3	30.0			
835	Setto	880	881	782	781	5	3	30.0			
836	Setto	881	882	783	782	5	3	30.0			
837	Setto	883	884	785	784	5	3	30.0			
838	Setto	884	885	786	785	5	3	30.0			
839	Setto	885	886	787	786	5	3	30.0			
840	Setto	886	887	788	787	5	3	30.0			
841	Setto	887	888	789	788	5	3	30.0			
842	Setto	888	889	790	789	5	3	30.0			
843	Setto	889	890	791	790	5	3	30.0			
844	Setto	890	891	792	791	5	3	30.0			
845	Setto	891	892	793	792	5	3	30.0			
846	Setto	892	893	794	793	5	3	30.0			
847	Setto	893	894	795	794	5	3	30.0			
848	Setto	894	895	796	795	5	3	30.0			
849	Setto	895	896	797	796	5	3	30.0			
850	Setto	896	897	798	797	5	3	30.0			
851	Setto	897	898	799	798	5	3	30.0			
852	Setto	898	899	800	799	5	3	30.0			
853	Setto	899	900	801	800	5	3	30.0			
854	Setto	900	901	802	801	5	3	30.0			
855	Setto	901	902	803	802	5	3	30.0			
856	Setto	902	903	804	803	5	3	30.0			
857	Setto	784	805	904	883	5	3	30.0			
858	Setto	804	806	905	903	5	3	30.0			
859	Setto	805	807	906	904	5	3	30.0			
860	Setto	806	808	907	905	5	3	30.0			
861	Setto	807	809	908	906	5	3	30.0			
862	Setto	808	810	909	907	5	3	30.0			
863	Setto	809	811	910	908	5	3	30.0			
864	Setto	810	812	911	909	5	3	30.0			
865	Setto	811	813	912	910	5	3	30.0			
866	Setto	812	814	913	911	5	3	30.0			
867	Setto	813	815	914	912	5	3	30.0			
868	Setto	814	816	915	913	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
869	Setto	815	817	916	914	5	3	30.0			
870	Setto	816	818	917	915	5	3	30.0			
871	Setto	817	819	918	916	5	3	30.0			
872	Setto	818	820	919	917	5	3	30.0			
873	Setto	819	821	920	918	5	3	30.0			
874	Setto	820	822	921	919	5	3	30.0			
875	Setto	821	823	922	920	5	3	30.0			
876	Setto	822	834	933	921	5	3	30.0			
877	Setto	922	923	824	823	5	3	30.0			
878	Setto	923	924	825	824	5	3	30.0			
879	Setto	924	925	826	825	5	3	30.0			
880	Setto	925	926	827	826	5	3	30.0			
881	Setto	926	927	828	827	5	3	30.0			
882	Setto	927	928	829	828	5	3	30.0			
883	Setto	928	929	830	829	5	3	30.0			
884	Setto	929	930	831	830	5	3	30.0			
885	Setto	930	931	832	831	5	3	30.0			
886	Setto	931	932	833	832	5	3	30.0			
887	Setto	823	835	934	922	5	3	30.0			
888	Setto	833	836	935	932	5	3	30.0			
889	Setto	834	837	936	933	5	3	30.0			
890	Setto	835	838	937	934	5	3	30.0			
891	Setto	836	839	938	935	5	3	30.0			
892	Setto	837	840	939	936	5	3	30.0			
893	Setto	838	841	940	937	5	3	30.0			
894	Setto	839	842	941	938	5	3	30.0			
895	Setto	840	843	942	939	5	3	30.0			
896	Setto	841	844	943	940	5	3	30.0			
897	Setto	842	845	944	941	5	3	30.0			
898	Setto	843	846	945	942	5	3	30.0			
899	Setto	844	847	946	943	5	3	30.0			
900	Setto	845	848	947	944	5	3	30.0			
901	Setto	846	849	948	945	5	3	30.0			
902	Setto	847	850	949	946	5	3	30.0			
903	Setto	848	851	950	947	5	3	30.0			
904	Setto	849	852	951	948	5	3	30.0			
905	Setto	850	853	952	949	5	3	30.0			
906	Setto	851	854	953	950	5	3	30.0			
907	Setto	852	855	954	951	5	3	30.0			
908	Setto	853	856	955	952	5	3	30.0			
909	Setto	854	857	956	953	5	3	30.0			
910	Setto	855	858	957	954	5	3	30.0			
911	Setto	856	859	958	955	5	3	30.0			
912	Setto	857	860	959	956	5	3	30.0			
913	Setto	858	861	960	957	5	3	30.0			
914	Setto	859	862	961	958	5	3	30.0			
915	Setto	860	872	971	959	5	3	30.0			
916	Setto	861	882	981	960	5	3	30.0			
917	Setto	961	962	863	862	5	3	30.0			
918	Setto	962	963	864	863	5	3	30.0			
919	Setto	963	964	865	864	5	3	30.0			
920	Setto	964	965	866	865	5	3	30.0			
921	Setto	965	966	867	866	5	3	30.0			
922	Setto	966	967	868	867	5	3	30.0			
923	Setto	967	968	869	868	5	3	30.0			
924	Setto	968	969	870	869	5	3	30.0			
925	Setto	969	970	871	870	5	3	30.0			
926	Setto	970	971	872	871	5	3	30.0			
927	Setto	971	972	873	872	5	3	30.0			
928	Setto	972	973	874	873	5	3	30.0			
929	Setto	973	974	875	874	5	3	30.0			
930	Setto	974	975	876	875	5	3	30.0			
931	Setto	975	976	877	876	5	3	30.0			
932	Setto	976	977	878	877	5	3	30.0			
933	Setto	977	978	879	878	5	3	30.0			
934	Setto	978	979	880	879	5	3	30.0			
935	Setto	979	980	881	880	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
936	Setto	980	981	882	881	5	3	30.0			
937	Setto	982	983	884	883	5	3	30.0			
938	Setto	983	984	885	884	5	3	30.0			
939	Setto	984	985	886	885	5	3	30.0			
940	Setto	985	986	887	886	5	3	30.0			
941	Setto	986	987	888	887	5	3	30.0			
942	Setto	987	988	889	888	5	3	30.0			
943	Setto	988	989	890	889	5	3	30.0			
944	Setto	989	990	891	890	5	3	30.0			
945	Setto	990	991	892	891	5	3	30.0			
946	Setto	991	992	893	892	5	3	30.0			
947	Setto	992	993	894	893	5	3	30.0			
948	Setto	993	994	895	894	5	3	30.0			
949	Setto	994	995	896	895	5	3	30.0			
950	Setto	995	996	897	896	5	3	30.0			
951	Setto	996	997	898	897	5	3	30.0			
952	Setto	997	998	899	898	5	3	30.0			
953	Setto	998	999	900	899	5	3	30.0			
954	Setto	999	1000	901	900	5	3	30.0			
955	Setto	1000	1001	902	901	5	3	30.0			
956	Setto	1001	1002	903	902	5	3	30.0			
957	Setto	883	904	1003	982	5	3	30.0			
958	Setto	903	905	1004	1002	5	3	30.0			
959	Setto	904	906	1005	1003	5	3	30.0			
960	Setto	905	907	1006	1004	5	3	30.0			
961	Setto	906	908	1007	1005	5	3	30.0			
962	Setto	907	909	1008	1006	5	3	30.0			
963	Setto	908	910	1009	1007	5	3	30.0			
964	Setto	909	911	1010	1008	5	3	30.0			
965	Setto	910	912	1011	1009	5	3	30.0			
966	Setto	911	913	1012	1010	5	3	30.0			
967	Setto	912	914	1013	1011	5	3	30.0			
968	Setto	913	915	1014	1012	5	3	30.0			
969	Setto	914	916	1015	1013	5	3	30.0			
970	Setto	915	917	1016	1014	5	3	30.0			
971	Setto	916	918	1017	1015	5	3	30.0			
972	Setto	917	919	1018	1016	5	3	30.0			
973	Setto	918	920	1019	1017	5	3	30.0			
974	Setto	919	921	1020	1018	5	3	30.0			
975	Setto	920	922	1021	1019	5	3	30.0			
976	Setto	921	933	1032	1020	5	3	30.0			
977	Setto	1021	1022	923	922	5	3	30.0			
978	Setto	1022	1023	924	923	5	3	30.0			
979	Setto	1023	1024	925	924	5	3	30.0			
980	Setto	1024	1025	926	925	5	3	30.0			
981	Setto	1025	1026	927	926	5	3	30.0			
982	Setto	1026	1027	928	927	5	3	30.0			
983	Setto	1027	1028	929	928	5	3	30.0			
984	Setto	1028	1029	930	929	5	3	30.0			
985	Setto	1029	1030	931	930	5	3	30.0			
986	Setto	1030	1031	932	931	5	3	30.0			
987	Setto	922	934	1033	1021	5	3	30.0			
988	Setto	932	935	1034	1031	5	3	30.0			
989	Setto	933	936	1035	1032	5	3	30.0			
990	Setto	934	937	1036	1033	5	3	30.0			
991	Setto	935	938	1037	1034	5	3	30.0			
992	Setto	936	939	1038	1035	5	3	30.0			
993	Setto	937	940	1039	1036	5	3	30.0			
994	Setto	938	941	1040	1037	5	3	30.0			
995	Setto	939	942	1041	1038	5	3	30.0			
996	Setto	940	943	1042	1039	5	3	30.0			
997	Setto	941	944	1043	1040	5	3	30.0			
998	Setto	942	945	1044	1041	5	3	30.0			
999	Setto	943	946	1045	1042	5	3	30.0			
1000	Setto	944	947	1046	1043	5	3	30.0			
1001	Setto	945	948	1047	1044	5	3	30.0			
1002	Setto	946	949	1048	1045	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1003	Setto	947	950	1049	1046	5	3	30.0			
1004	Setto	948	951	1050	1047	5	3	30.0			
1005	Setto	949	952	1051	1048	5	3	30.0			
1006	Setto	950	953	1052	1049	5	3	30.0			
1007	Setto	951	954	1053	1050	5	3	30.0			
1008	Setto	952	955	1054	1051	5	3	30.0			
1009	Setto	953	956	1055	1052	5	3	30.0			
1010	Setto	954	957	1056	1053	5	3	30.0			
1011	Setto	955	958	1057	1054	5	3	30.0			
1012	Setto	956	959	1058	1055	5	3	30.0			
1013	Setto	957	960	1059	1056	5	3	30.0			
1014	Setto	958	961	1060	1057	5	3	30.0			
1015	Setto	959	971	1070	1058	5	3	30.0			
1016	Setto	960	981	1080	1059	5	3	30.0			
1017	Setto	1060	1061	962	961	5	3	30.0			
1018	Setto	1061	1062	963	962	5	3	30.0			
1019	Setto	1062	1063	964	963	5	3	30.0			
1020	Setto	1063	1064	965	964	5	3	30.0			
1021	Setto	1064	1065	966	965	5	3	30.0			
1022	Setto	1065	1066	967	966	5	3	30.0			
1023	Setto	1066	1067	968	967	5	3	30.0			
1024	Setto	1067	1068	969	968	5	3	30.0			
1025	Setto	1068	1069	970	969	5	3	30.0			
1026	Setto	1069	1070	971	970	5	3	30.0			
1027	Setto	1070	1071	972	971	5	3	30.0			
1028	Setto	1071	1072	973	972	5	3	30.0			
1029	Setto	1072	1073	974	973	5	3	30.0			
1030	Setto	1073	1074	975	974	5	3	30.0			
1031	Setto	1074	1075	976	975	5	3	30.0			
1032	Setto	1075	1076	977	976	5	3	30.0			
1033	Setto	1076	1077	978	977	5	3	30.0			
1034	Setto	1077	1078	979	978	5	3	30.0			
1035	Setto	1078	1079	980	979	5	3	30.0			
1036	Setto	1079	1080	981	980	5	3	30.0			
1037	Setto	1081	1082	983	982	5	3	30.0			
1038	Setto	1082	1083	984	983	5	3	30.0			
1039	Setto	1083	1084	985	984	5	3	30.0			
1040	Setto	1084	1085	986	985	5	3	30.0			
1041	Setto	1085	1086	987	986	5	3	30.0			
1042	Setto	1086	1087	988	987	5	3	30.0			
1043	Setto	1087	1088	989	988	5	3	30.0			
1044	Setto	1088	1089	990	989	5	3	30.0			
1045	Setto	1089	1090	991	990	5	3	30.0			
1046	Setto	1090	1091	992	991	5	3	30.0			
1047	Setto	1091	1092	993	992	5	3	30.0			
1048	Setto	1092	1093	994	993	5	3	30.0			
1049	Setto	1093	1094	995	994	5	3	30.0			
1050	Setto	1094	1095	996	995	5	3	30.0			
1051	Setto	1095	1096	997	996	5	3	30.0			
1052	Setto	1096	1097	998	997	5	3	30.0			
1053	Setto	1097	1098	999	998	5	3	30.0			
1054	Setto	1098	1099	1000	999	5	3	30.0			
1055	Setto	1099	1100	1001	1000	5	3	30.0			
1056	Setto	1100	1101	1002	1001	5	3	30.0			
1057	Setto	982	1003	1121	1081	5	3	30.0			
1058	Setto	1002	1004	1122	1101	5	3	30.0			
1059	Setto	1003	1005	1123	1121	5	3	30.0			
1060	Setto	1004	1006	1124	1122	5	3	30.0			
1061	Setto	1005	1007	1143	1123	5	3	30.0			
1062	Setto	1006	1008	1162	1124	5	3	30.0			
1063	Setto	1007	1009	1163	1143	5	3	30.0			
1064	Setto	1008	1010	1182	1162	5	3	30.0			
1065	Setto	1009	1011	1183	1163	5	3	30.0			
1066	Setto	1010	1012	1202	1182	5	3	30.0			
1067	Setto	1011	1013	1203	1183	5	3	30.0			
1068	Setto	1012	1014	1222	1202	5	3	30.0			
1069	Setto	1013	1015	1231	1203	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1070	Setto	1014	1016	1242	1222	5	3	30.0			
1071	Setto	1015	1017	1253	1231	5	3	30.0			
1072	Setto	1016	1018	1264	1242	5	3	30.0			
1073	Setto	1017	1019	1271	1253	5	3	30.0			
1074	Setto	1018	1020	1282	1264	5	3	30.0			
1075	Setto	1019	1021	1293	1271	5	3	30.0			
1076	Setto	1020	1032	1313	1282	5	3	30.0			
1077	Setto	1293	1294	1022	1021	5	3	30.0			
1078	Setto	1294	1295	1023	1022	5	3	30.0			
1079	Setto	1295	1296	1024	1023	5	3	30.0			
1080	Setto	1296	1297	1025	1024	5	3	30.0			
1081	Setto	1297	1298	1026	1025	5	3	30.0			
1082	Setto	1298	1299	1027	1026	5	3	30.0			
1083	Setto	1299	1300	1028	1027	5	3	30.0			
1084	Setto	1300	1301	1029	1028	5	3	30.0			
1085	Setto	1301	1302	1030	1029	5	3	30.0			
1086	Setto	1302	1303	1031	1030	5	3	30.0			
1087	Setto	1021	1033	1314	1293	5	3	30.0			
1088	Setto	1031	1034	1324	1303	5	3	30.0			
1089	Setto	1032	1035	1334	1313	5	3	30.0			
1090	Setto	1033	1036	1335	1314	5	3	30.0			
1091	Setto	1034	1037	1345	1324	5	3	30.0			
1092	Setto	1035	1038	1355	1334	5	3	30.0			
1093	Setto	1036	1039	1356	1335	5	3	30.0			
1094	Setto	1037	1040	1366	1345	5	3	30.0			
1095	Setto	1038	1041	1376	1355	5	3	30.0			
1096	Setto	1039	1042	1377	1356	5	3	30.0			
1097	Setto	1040	1043	1387	1366	5	3	30.0			
1098	Setto	1041	1044	1397	1376	5	3	30.0			
1099	Setto	1042	1045	1398	1377	5	3	30.0			
1100	Setto	1043	1046	1408	1387	5	3	30.0			
1101	Setto	1044	1047	1418	1397	5	3	30.0			
1102	Setto	1045	1048	1419	1398	5	3	30.0			
1103	Setto	1046	1049	1429	1408	5	3	30.0			
1104	Setto	1047	1050	1439	1418	5	3	30.0			
1105	Setto	1048	1051	1440	1419	5	3	30.0			
1106	Setto	1049	1052	1450	1429	5	3	30.0			
1107	Setto	1050	1053	1460	1439	5	3	30.0			
1108	Setto	1051	1054	1479	1440	5	3	30.0			
1109	Setto	1052	1055	1480	1450	5	3	30.0			
1110	Setto	1053	1056	1481	1460	5	3	30.0			
1111	Setto	1054	1057	1482	1479	5	3	30.0			
1112	Setto	1055	1058	1483	1480	5	3	30.0			
1113	Setto	1056	1059	1484	1481	5	3	30.0			
1114	Setto	1057	1060	1503	1482	5	3	30.0			
1115	Setto	1058	1070	1513	1483	5	3	30.0			
1116	Setto	1059	1080	1523	1484	5	3	30.0			
1117	Setto	1503	1504	1061	1060	5	3	30.0			
1118	Setto	1504	1505	1062	1061	5	3	30.0			
1119	Setto	1505	1506	1063	1062	5	3	30.0			
1120	Setto	1506	1507	1064	1063	5	3	30.0			
1121	Setto	1507	1508	1065	1064	5	3	30.0			
1122	Setto	1508	1509	1066	1065	5	3	30.0			
1123	Setto	1509	1510	1067	1066	5	3	30.0			
1124	Setto	1510	1511	1068	1067	5	3	30.0			
1125	Setto	1511	1512	1069	1068	5	3	30.0			
1126	Setto	1512	1513	1070	1069	5	3	30.0			
1127	Setto	1513	1514	1071	1070	5	3	30.0			
1128	Setto	1514	1515	1072	1071	5	3	30.0			
1129	Setto	1515	1516	1073	1072	5	3	30.0			
1130	Setto	1516	1517	1074	1073	5	3	30.0			
1131	Setto	1517	1518	1075	1074	5	3	30.0			
1132	Setto	1518	1519	1076	1075	5	3	30.0			
1133	Setto	1519	1520	1077	1076	5	3	30.0			
1134	Setto	1520	1521	1078	1077	5	3	30.0			
1135	Setto	1521	1522	1079	1078	5	3	30.0			
1136	Setto	1522	1523	1080	1079	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1137	Guscio	1091	1092	1103	1102	5	3	30.0			
1138	Guscio	1092	1093	1104	1103	5	3	30.0			
1139	Guscio	1093	1094	1105	1104	5	3	30.0			
1140	Guscio	1094	1095	1106	1105	5	3	30.0			
1141	Guscio	1095	1096	1107	1106	5	3	30.0			
1142	Guscio	1096	1097	1108	1107	5	3	30.0			
1143	Guscio	1097	1098	1109	1108	5	3	30.0			
1144	Guscio	1098	1099	1110	1109	5	3	30.0			
1145	Guscio	1099	1100	1111	1110	5	3	30.0			
1146	Guscio	1090	1091	1102	1112	5	3	30.0			
1147	Guscio	1089	1090	1112	1113	5	3	30.0			
1148	Guscio	1088	1089	1113	1114	5	3	30.0			
1149	Guscio	1087	1088	1114	1115	5	3	30.0			
1150	Guscio	1086	1087	1115	1116	5	3	30.0			
1151	Guscio	1100	1101	1122	1111	5	3	30.0			
1152	Guscio	1085	1086	1116	1117	5	3	30.0			
1153	Guscio	1084	1085	1117	1118	5	3	30.0			
1154	Guscio	1083	1084	1118	1119	5	3	30.0			
1155	Guscio	1082	1083	1119	1120	5	3	30.0			
1156	Guscio	1081	1082	1120	1121	5	3	30.0			
1157	Guscio	1120	1119	1125		5	3	30.0			
1158	Guscio	1119	1118	1126		5	3	30.0			
1159	Guscio	1121	1120	1125	1123	5	3	30.0			
1160	Guscio	1118	1117	1127	1126	5	3	30.0			
1161	Guscio	1117	1116	1128	1127	5	3	30.0			
1162	Guscio	1116	1115	1129	1128	5	3	30.0			
1163	Guscio	1111	1122	1124	1142	5	3	30.0			
1164	Guscio	1115	1114	1130	1129	5	3	30.0			
1165	Guscio	1114	1113	1131	1130	5	3	30.0			
1166	Guscio	1113	1112	1132	1131	5	3	30.0			
1167	Guscio	1112	1102	1133	1132	5	3	30.0			
1168	Guscio	1102	1103	1134	1133	5	3	30.0			
1169	Guscio	1103	1104	1135	1134	5	3	30.0			
1170	Guscio	1104	1105	1136	1135	5	3	30.0			
1171	Guscio	1105	1106	1137	1136	5	3	30.0			
1172	Guscio	1106	1107	1138	1137	5	3	30.0			
1173	Guscio	1107	1108	1139	1138	5	3	30.0			
1174	Guscio	1108	1109	1140	1139	5	3	30.0			
1175	Guscio	1109	1110	1141	1140	5	3	30.0			
1176	Guscio	1125	1119	1126		5	3	30.0			
1177	Guscio	1123	1125	1144	1143	5	3	30.0			
1178	Guscio	1125	1126	1145	1144	5	3	30.0			
1179	Guscio	1126	1127	1146	1145	5	3	30.0			
1180	Guscio	1127	1128	1147	1146	5	3	30.0			
1181	Guscio	1128	1129	1148	1147	5	3	30.0			
1182	Guscio	1142	1124	1162	1161	5	3	30.0			
1183	Guscio	1129	1130	1149	1148	5	3	30.0			
1184	Guscio	1130	1131	1150	1149	5	3	30.0			
1185	Guscio	1131	1132	1151	1150	5	3	30.0			
1186	Guscio	1132	1133	1152	1151	5	3	30.0			
1187	Guscio	1133	1134	1153	1152	5	3	30.0			
1188	Guscio	1134	1135	1154	1153	5	3	30.0			
1189	Guscio	1135	1136	1155	1154	5	3	30.0			
1190	Guscio	1136	1137	1156	1155	5	3	30.0			
1191	Guscio	1137	1138	1157	1156	5	3	30.0			
1192	Guscio	1138	1139	1158	1157	5	3	30.0			
1193	Guscio	1139	1140	1159	1158	5	3	30.0			
1194	Guscio	1140	1141	1160	1159	5	3	30.0			
1195	Guscio	1141	1142	1161	1160	5	3	30.0			
1196	Guscio	1143	1144	1164	1163	5	3	30.0			
1197	Guscio	1144	1145	1165	1164	5	3	30.0			
1198	Guscio	1145	1146	1166	1165	5	3	30.0			
1199	Guscio	1146	1147	1167	1166	5	3	30.0			
1200	Guscio	1147	1148	1168	1167	5	3	30.0			
1201	Guscio	1148	1149	1169	1168	5	3	30.0			
1202	Guscio	1149	1150	1170	1169	5	3	30.0			
1203	Guscio	1150	1151	1171	1170	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1204	Guscio	1151	1152	1172	1171	5	3	30.0			
1205	Guscio	1152	1153	1173	1172	5	3	30.0			
1206	Guscio	1153	1154	1174	1173	5	3	30.0			
1207	Guscio	1154	1155	1175	1174	5	3	30.0			
1208	Guscio	1155	1156	1176	1175	5	3	30.0			
1209	Guscio	1156	1157	1177	1176	5	3	30.0			
1210	Guscio	1157	1158	1178	1177	5	3	30.0			
1211	Guscio	1158	1159	1179	1178	5	3	30.0			
1212	Guscio	1159	1160	1180	1179	5	3	30.0			
1213	Guscio	1160	1161	1181	1180	5	3	30.0			
1214	Guscio	1161	1162	1182	1181	5	3	30.0			
1215	Guscio	1163	1164	1184	1183	5	3	30.0			
1216	Guscio	1164	1165	1185	1184	5	3	30.0			
1217	Guscio	1165	1166	1186	1185	5	3	30.0			
1218	Guscio	1166	1167	1187	1186	5	3	30.0			
1219	Guscio	1167	1168	1188	1187	5	3	30.0			
1220	Guscio	1168	1169	1189	1188	5	3	30.0			
1221	Guscio	1169	1170	1190	1189	5	3	30.0			
1222	Guscio	1170	1171	1191	1190	5	3	30.0			
1223	Guscio	1171	1172	1192	1191	5	3	30.0			
1224	Guscio	1172	1173	1193	1192	5	3	30.0			
1225	Guscio	1173	1174	1194	1193	5	3	30.0			
1226	Guscio	1174	1175	1195	1194	5	3	30.0			
1227	Guscio	1175	1176	1196	1195	5	3	30.0			
1228	Guscio	1176	1177	1197	1196	5	3	30.0			
1229	Guscio	1177	1178	1198	1197	5	3	30.0			
1230	Guscio	1178	1179	1199	1198	5	3	30.0			
1231	Guscio	1179	1180	1200	1199	5	3	30.0			
1232	Guscio	1180	1181	1201	1200	5	3	30.0			
1233	Guscio	1181	1182	1202	1201	5	3	30.0			
1234	Guscio	1183	1184	1204	1203	5	3	30.0			
1235	Guscio	1184	1185	1205	1204	5	3	30.0			
1236	Guscio	1185	1186	1206	1205	5	3	30.0			
1237	Guscio	1186	1187	1207	1206	5	3	30.0			
1238	Guscio	1187	1188	1208	1207	5	3	30.0			
1239	Guscio	1188	1189	1209	1208	5	3	30.0			
1240	Guscio	1189	1190	1210	1209	5	3	30.0			
1241	Guscio	1190	1191	1211	1210	5	3	30.0			
1242	Guscio	1191	1192	1212	1211	5	3	30.0			
1243	Guscio	1192	1193	1213	1212	5	3	30.0			
1244	Guscio	1193	1194	1214	1213	5	3	30.0			
1245	Guscio	1194	1195	1215	1214	5	3	30.0			
1246	Guscio	1195	1196	1216	1215	5	3	30.0			
1247	Guscio	1196	1197	1217	1216	5	3	30.0			
1248	Guscio	1197	1198	1218	1217	5	3	30.0			
1249	Guscio	1198	1199	1219	1218	5	3	30.0			
1250	Guscio	1199	1200	1220	1219	5	3	30.0			
1251	Guscio	1200	1201	1221	1220	5	3	30.0			
1252	Guscio	1201	1202	1222	1221	5	3	30.0			
1253	Guscio	1205	1206	1224	1223	5	3	30.0			
1254	Guscio	1206	1207	1225	1224	5	3	30.0			
1255	Guscio	1207	1208	1226	1225	5	3	30.0			
1256	Guscio	1208	1209	1227	1226	5	3	30.0			
1257	Guscio	1209	1210	1228	1227	5	3	30.0			
1258	Guscio	1204	1205	1223	1230	5	3	30.0			
1259	Guscio	1210	1211	1229	1228	5	3	30.0			
1260	Guscio	1211	1212	1232	1229	5	3	30.0			
1261	Guscio	1203	1204	1230	1231	5	3	30.0			
1262	Guscio	1212	1213	1233	1232	5	3	30.0			
1263	Guscio	1213	1214	1234	1233	5	3	30.0			
1264	Guscio	1214	1215	1235	1234	5	3	30.0			
1265	Guscio	1215	1216	1236	1235	5	3	30.0			
1266	Guscio	1216	1217	1237	1236	5	3	30.0			
1267	Guscio	1217	1218	1238	1237	5	3	30.0			
1268	Guscio	1218	1219	1239	1238	5	3	30.0			
1269	Guscio	1219	1220	1240	1239	5	3	30.0			
1270	Guscio	1220	1221	1241	1240	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1271	Guscio	1221	1222	1242	1241	5	3	30.0			
1272	Guscio	1224	1225	1246	1245	5	3	30.0			
1273	Guscio	1226	1227	1249	1248	5	3	30.0			
1274	Guscio	1227	1228	1250	1249	5	3	30.0			
1275	Guscio	1230	1223	1243	1252	5	3	30.0			
1276	Guscio	1228	1229	1251	1250	5	3	30.0			
1277	Guscio	1229	1232	1254	1251	5	3	30.0			
1278	Guscio	1231	1230	1252	1253	5	3	30.0			
1279	Guscio	1232	1233	1255	1254	5	3	30.0			
1280	Guscio	1233	1234	1256	1255	5	3	30.0			
1281	Guscio	1234	1235	1257	1256	5	3	30.0			
1282	Guscio	1235	1236	1258	1257	5	3	30.0			
1283	Guscio	1236	1237	1259	1258	5	3	30.0			
1284	Guscio	1237	1238	1260	1259	5	3	30.0			
1285	Guscio	1238	1239	1261	1260	5	3	30.0			
1286	Guscio	1239	1240	1262	1261	5	3	30.0			
1287	Guscio	1240	1241	1263	1262	5	3	30.0			
1288	Guscio	1241	1242	1264	1263	5	3	30.0			
1289	Guscio	1248	1249	1266		5	3	30.0			
1290	Guscio	1252	1243	1265		5	3	30.0			
1291	Guscio	1243	1244	1267	1265	5	3	30.0			
1292	Guscio	1247	1248	1266	1270	5	3	30.0			
1293	Guscio	1244	1245	1268	1267	5	3	30.0			
1294	Guscio	1245	1246	1269	1268	5	3	30.0			
1295	Guscio	1246	1247	1270	1269	5	3	30.0			
1296	Guscio	1249	1250	1285	1288	5	3	30.0			
1297	Guscio	1250	1251	1283	1285	5	3	30.0			
1298	Guscio	1251	1254	1272	1283	5	3	30.0			
1299	Guscio	1254	1255	1273	1272	5	3	30.0			
1300	Guscio	1255	1256	1274	1273	5	3	30.0			
1301	Guscio	1256	1257	1275	1274	5	3	30.0			
1302	Guscio	1257	1258	1276	1275	5	3	30.0			
1303	Guscio	1258	1259	1277	1276	5	3	30.0			
1304	Guscio	1259	1260	1278	1277	5	3	30.0			
1305	Guscio	1260	1261	1279	1278	5	3	30.0			
1306	Guscio	1261	1262	1280	1279	5	3	30.0			
1307	Guscio	1262	1263	1281	1280	5	3	30.0			
1308	Guscio	1263	1264	1282	1281	5	3	30.0			
1309	Guscio	1253	1252	1284	1271	5	3	30.0			
1310	Guscio	1266	1249	1288	1287	5	3	30.0			
1311	Guscio	1252	1265	1286	1284	5	3	30.0			
1312	Guscio	1265	1267	1289	1286	5	3	30.0			
1313	Guscio	1270	1266	1287	1292	5	3	30.0			
1314	Guscio	1268	1269	1291	1290	5	3	30.0			
1315	Guscio	1272	1273	1304	1303	5	3	30.0			
1316	Guscio	1273	1274	1305	1304	5	3	30.0			
1317	Guscio	1274	1275	1306	1305	5	3	30.0			
1318	Guscio	1275	1276	1307	1306	5	3	30.0			
1319	Guscio	1276	1277	1308	1307	5	3	30.0			
1320	Guscio	1277	1278	1309	1308	5	3	30.0			
1321	Guscio	1278	1279	1310	1309	5	3	30.0			
1322	Guscio	1279	1280	1311	1310	5	3	30.0			
1323	Guscio	1280	1281	1312	1311	5	3	30.0			
1324	Guscio	1281	1282	1313	1312	5	3	30.0			
1325	Guscio	1283	1272	1303	1302	5	3	30.0			
1326	Guscio	1271	1284	1294	1293	5	3	30.0			
1327	Guscio	1290	1291	1297		5	3	30.0			
1328	Guscio	1285	1283	1302	1301	5	3	30.0			
1329	Guscio	1284	1286	1295	1294	5	3	30.0			
1330	Guscio	1288	1285	1301	1300	5	3	30.0			
1331	Guscio	1287	1288	1300	1299	5	3	30.0			
1332	Guscio	1286	1289	1296	1295	5	3	30.0			
1333	Guscio	1292	1287	1299	1298	5	3	30.0			
1334	Guscio	1289	1290	1297	1296	5	3	30.0			
1335	Guscio	1291	1292	1298	1297	5	3	30.0			
1336	Guscio	1293	1294	1315	1314	5	3	30.0			
1337	Guscio	1294	1295	1316	1315	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1338	Guscio	1295	1296	1317	1316	5	3	30.0			
1339	Guscio	1296	1297	1318	1317	5	3	30.0			
1340	Guscio	1297	1298	1319	1318	5	3	30.0			
1341	Guscio	1298	1299	1320	1319	5	3	30.0			
1342	Guscio	1299	1300	1321	1320	5	3	30.0			
1343	Guscio	1300	1301	1322	1321	5	3	30.0			
1344	Guscio	1301	1302	1323	1322	5	3	30.0			
1345	Guscio	1302	1303	1324	1323	5	3	30.0			
1346	Guscio	1303	1304	1325	1324	5	3	30.0			
1347	Guscio	1304	1305	1326	1325	5	3	30.0			
1348	Guscio	1305	1306	1327	1326	5	3	30.0			
1349	Guscio	1306	1307	1328	1327	5	3	30.0			
1350	Guscio	1307	1308	1329	1328	5	3	30.0			
1351	Guscio	1308	1309	1330	1329	5	3	30.0			
1352	Guscio	1309	1310	1331	1330	5	3	30.0			
1353	Guscio	1310	1311	1332	1331	5	3	30.0			
1354	Guscio	1311	1312	1333	1332	5	3	30.0			
1355	Guscio	1312	1313	1334	1333	5	3	30.0			
1356	Guscio	1314	1315	1336	1335	5	3	30.0			
1357	Guscio	1315	1316	1337	1336	5	3	30.0			
1358	Guscio	1316	1317	1338	1337	5	3	30.0			
1359	Guscio	1317	1318	1339	1338	5	3	30.0			
1360	Guscio	1318	1319	1340	1339	5	3	30.0			
1361	Guscio	1319	1320	1341	1340	5	3	30.0			
1362	Guscio	1320	1321	1342	1341	5	3	30.0			
1363	Guscio	1321	1322	1343	1342	5	3	30.0			
1364	Guscio	1322	1323	1344	1343	5	3	30.0			
1365	Guscio	1323	1324	1345	1344	5	3	30.0			
1366	Guscio	1324	1325	1346	1345	5	3	30.0			
1367	Guscio	1325	1326	1347	1346	5	3	30.0			
1368	Guscio	1326	1327	1348	1347	5	3	30.0			
1369	Guscio	1327	1328	1349	1348	5	3	30.0			
1370	Guscio	1328	1329	1350	1349	5	3	30.0			
1371	Guscio	1329	1330	1351	1350	5	3	30.0			
1372	Guscio	1330	1331	1352	1351	5	3	30.0			
1373	Guscio	1331	1332	1353	1352	5	3	30.0			
1374	Guscio	1332	1333	1354	1353	5	3	30.0			
1375	Guscio	1333	1334	1355	1354	5	3	30.0			
1376	Guscio	1335	1336	1357	1356	5	3	30.0			
1377	Guscio	1336	1337	1358	1357	5	3	30.0			
1378	Guscio	1337	1338	1359	1358	5	3	30.0			
1379	Guscio	1338	1339	1360	1359	5	3	30.0			
1380	Guscio	1339	1340	1361	1360	5	3	30.0			
1381	Guscio	1340	1341	1362	1361	5	3	30.0			
1382	Guscio	1341	1342	1363	1362	5	3	30.0			
1383	Guscio	1342	1343	1364	1363	5	3	30.0			
1384	Guscio	1343	1344	1365	1364	5	3	30.0			
1385	Guscio	1344	1345	1366	1365	5	3	30.0			
1386	Guscio	1345	1346	1367	1366	5	3	30.0			
1387	Guscio	1346	1347	1368	1367	5	3	30.0			
1388	Guscio	1347	1348	1369	1368	5	3	30.0			
1389	Guscio	1348	1349	1370	1369	5	3	30.0			
1390	Guscio	1349	1350	1371	1370	5	3	30.0			
1391	Guscio	1350	1351	1372	1371	5	3	30.0			
1392	Guscio	1351	1352	1373	1372	5	3	30.0			
1393	Guscio	1352	1353	1374	1373	5	3	30.0			
1394	Guscio	1353	1354	1375	1374	5	3	30.0			
1395	Guscio	1354	1355	1376	1375	5	3	30.0			
1396	Guscio	1356	1357	1378	1377	5	3	30.0			
1397	Guscio	1357	1358	1379	1378	5	3	30.0			
1398	Guscio	1358	1359	1380	1379	5	3	30.0			
1399	Guscio	1359	1360	1381	1380	5	3	30.0			
1400	Guscio	1360	1361	1382	1381	5	3	30.0			
1401	Guscio	1361	1362	1383	1382	5	3	30.0			
1402	Guscio	1362	1363	1384	1383	5	3	30.0			
1403	Guscio	1363	1364	1385	1384	5	3	30.0			
1404	Guscio	1364	1365	1386	1385	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1405	Guscio	1365	1366	1387	1386	5	3	30.0			
1406	Guscio	1366	1367	1388	1387	5	3	30.0			
1407	Guscio	1367	1368	1389	1388	5	3	30.0			
1408	Guscio	1368	1369	1390	1389	5	3	30.0			
1409	Guscio	1369	1370	1391	1390	5	3	30.0			
1410	Guscio	1370	1371	1392	1391	5	3	30.0			
1411	Guscio	1371	1372	1393	1392	5	3	30.0			
1412	Guscio	1372	1373	1394	1393	5	3	30.0			
1413	Guscio	1373	1374	1395	1394	5	3	30.0			
1414	Guscio	1374	1375	1396	1395	5	3	30.0			
1415	Guscio	1375	1376	1397	1396	5	3	30.0			
1416	Guscio	1377	1378	1399	1398	5	3	30.0			
1417	Guscio	1378	1379	1400	1399	5	3	30.0			
1418	Guscio	1379	1380	1401	1400	5	3	30.0			
1419	Guscio	1380	1381	1402	1401	5	3	30.0			
1420	Guscio	1381	1382	1403	1402	5	3	30.0			
1421	Guscio	1382	1383	1404	1403	5	3	30.0			
1422	Guscio	1383	1384	1405	1404	5	3	30.0			
1423	Guscio	1384	1385	1406	1405	5	3	30.0			
1424	Guscio	1385	1386	1407	1406	5	3	30.0			
1425	Guscio	1386	1387	1408	1407	5	3	30.0			
1426	Guscio	1387	1388	1409	1408	5	3	30.0			
1427	Guscio	1388	1389	1410	1409	5	3	30.0			
1428	Guscio	1389	1390	1411	1410	5	3	30.0			
1429	Guscio	1390	1391	1412	1411	5	3	30.0			
1430	Guscio	1391	1392	1413	1412	5	3	30.0			
1431	Guscio	1392	1393	1414	1413	5	3	30.0			
1432	Guscio	1393	1394	1415	1414	5	3	30.0			
1433	Guscio	1394	1395	1416	1415	5	3	30.0			
1434	Guscio	1395	1396	1417	1416	5	3	30.0			
1435	Guscio	1396	1397	1418	1417	5	3	30.0			
1436	Guscio	1398	1399	1420	1419	5	3	30.0			
1437	Guscio	1399	1400	1421	1420	5	3	30.0			
1438	Guscio	1400	1401	1422	1421	5	3	30.0			
1439	Guscio	1401	1402	1423	1422	5	3	30.0			
1440	Guscio	1402	1403	1424	1423	5	3	30.0			
1441	Guscio	1403	1404	1425	1424	5	3	30.0			
1442	Guscio	1404	1405	1426	1425	5	3	30.0			
1443	Guscio	1405	1406	1427	1426	5	3	30.0			
1444	Guscio	1406	1407	1428	1427	5	3	30.0			
1445	Guscio	1407	1408	1429	1428	5	3	30.0			
1446	Guscio	1408	1409	1430	1429	5	3	30.0			
1447	Guscio	1409	1410	1431	1430	5	3	30.0			
1448	Guscio	1410	1411	1432	1431	5	3	30.0			
1449	Guscio	1411	1412	1433	1432	5	3	30.0			
1450	Guscio	1412	1413	1434	1433	5	3	30.0			
1451	Guscio	1413	1414	1435	1434	5	3	30.0			
1452	Guscio	1414	1415	1436	1435	5	3	30.0			
1453	Guscio	1415	1416	1437	1436	5	3	30.0			
1454	Guscio	1416	1417	1438	1437	5	3	30.0			
1455	Guscio	1417	1418	1439	1438	5	3	30.0			
1456	Guscio	1419	1420	1441	1440	5	3	30.0			
1457	Guscio	1420	1421	1442	1441	5	3	30.0			
1458	Guscio	1421	1422	1443	1442	5	3	30.0			
1459	Guscio	1422	1423	1444	1443	5	3	30.0			
1460	Guscio	1423	1424	1445	1444	5	3	30.0			
1461	Guscio	1424	1425	1446	1445	5	3	30.0			
1462	Guscio	1425	1426	1447	1446	5	3	30.0			
1463	Guscio	1426	1427	1448	1447	5	3	30.0			
1464	Guscio	1427	1428	1449	1448	5	3	30.0			
1465	Guscio	1428	1429	1450	1449	5	3	30.0			
1466	Guscio	1429	1430	1451	1450	5	3	30.0			
1467	Guscio	1430	1431	1452	1451	5	3	30.0			
1468	Guscio	1431	1432	1453	1452	5	3	30.0			
1469	Guscio	1432	1433	1454	1453	5	3	30.0			
1470	Guscio	1433	1434	1455	1454	5	3	30.0			
1471	Guscio	1434	1435	1456	1455	5	3	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
1472	Guscio	1435	1436	1457	1456	5	3	30.0			
1473	Guscio	1436	1437	1458	1457	5	3	30.0			
1474	Guscio	1437	1438	1459	1458	5	3	30.0			
1475	Guscio	1438	1439	1460	1459	5	3	30.0			
1476	Guscio	1441	1442	1462	1461	5	3	30.0			
1477	Guscio	1442	1443	1463	1462	5	3	30.0			
1478	Guscio	1443	1444	1464	1463	5	3	30.0			
1479	Guscio	1444	1445	1465	1464	5	3	30.0			
1480	Guscio	1445	1446	1466	1465	5	3	30.0			
1481	Guscio	1446	1447	1467	1466	5	3	30.0			
1482	Guscio	1447	1448	1468	1467	5	3	30.0			
1483	Guscio	1448	1449	1469	1468	5	3	30.0			
1484	Guscio	1458	1459	1471	1470	5	3	30.0			
1485	Guscio	1457	1458	1470	1472	5	3	30.0			
1486	Guscio	1456	1457	1472	1473	5	3	30.0			
1487	Guscio	1455	1456	1473	1474	5	3	30.0			
1488	Guscio	1454	1455	1474	1475	5	3	30.0			
1489	Guscio	1440	1441	1461	1479	5	3	30.0			
1490	Guscio	1449	1450	1480	1469	5	3	30.0			
1491	Guscio	1459	1460	1481	1471	5	3	30.0			
1492	Guscio	1453	1454	1475	1476	5	3	30.0			
1493	Guscio	1452	1453	1476	1477	5	3	30.0			
1494	Guscio	1451	1452	1477	1478	5	3	30.0			
1495	Guscio	1450	1451	1478	1480	5	3	30.0			
1496	Guscio	1479	1461	1492	1482	5	3	30.0			
1497	Guscio	1462	1463	1494	1493	5	3	30.0			
1498	Guscio	1463	1464	1495	1494	5	3	30.0			
1499	Guscio	1464	1465	1496	1495	5	3	30.0			
1500	Guscio	1465	1466	1497	1496	5	3	30.0			
1501	Guscio	1466	1467	1498	1497	5	3	30.0			
1502	Guscio	1467	1468	1499	1498	5	3	30.0			
1503	Guscio	1469	1480	1483	1500	5	3	30.0			
1504	Guscio	1480	1478	1485	1483	5	3	30.0			
1505	Guscio	1478	1477	1486	1485	5	3	30.0			
1506	Guscio	1477	1476	1487	1486	5	3	30.0			
1507	Guscio	1476	1475	1488	1487	5	3	30.0			
1508	Guscio	1475	1474	1489	1488	5	3	30.0			
1509	Guscio	1474	1473	1490	1489	5	3	30.0			
1510	Guscio	1473	1472	1491	1490	5	3	30.0			
1511	Guscio	1472	1470	1501	1491	5	3	30.0			
1512	Guscio	1471	1481	1484	1502	5	3	30.0			
1513	Guscio	1483	1485	1514	1513	5	3	30.0			
1514	Guscio	1485	1486	1515	1514	5	3	30.0			
1515	Guscio	1486	1487	1516	1515	5	3	30.0			
1516	Guscio	1487	1488	1517	1516	5	3	30.0			
1517	Guscio	1482	1492	1504	1503	5	3	30.0			
1518	Guscio	1500	1483	1513	1512	5	3	30.0			
1519	Guscio	1502	1484	1523	1522	5	3	30.0			
1520	Guscio	1488	1489	1518	1517	5	3	30.0			
1521	Guscio	1489	1490	1519	1518	5	3	30.0			
1522	Guscio	1490	1491	1520	1519	5	3	30.0			
1523	Guscio	1491	1501	1521	1520	5	3	30.0			
1524	Guscio	1492	1493	1505	1504	5	3	30.0			
1525	Guscio	1493	1494	1506	1505	5	3	30.0			
1526	Guscio	1494	1495	1507	1506	5	3	30.0			
1527	Guscio	1495	1496	1508	1507	5	3	30.0			
1528	Guscio	1496	1497	1509	1508	5	3	30.0			
1529	Guscio	1497	1498	1510	1509	5	3	30.0			
1530	Guscio	1498	1499	1511	1510	5	3	30.0			
1531	Guscio	1499	1500	1512	1511	5	3	30.0			
1532	Guscio	1501	1502	1522	1521	5	3	30.0			

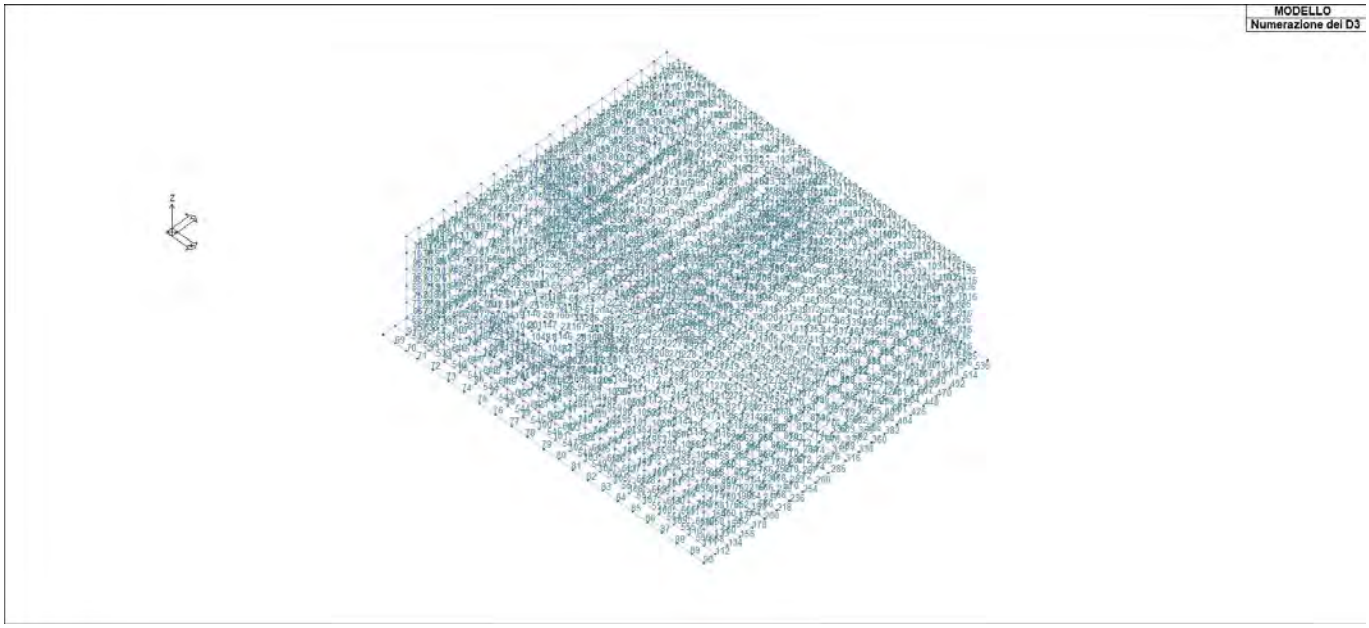


Figura 8 - MOD_NUMERAZIONE_D3

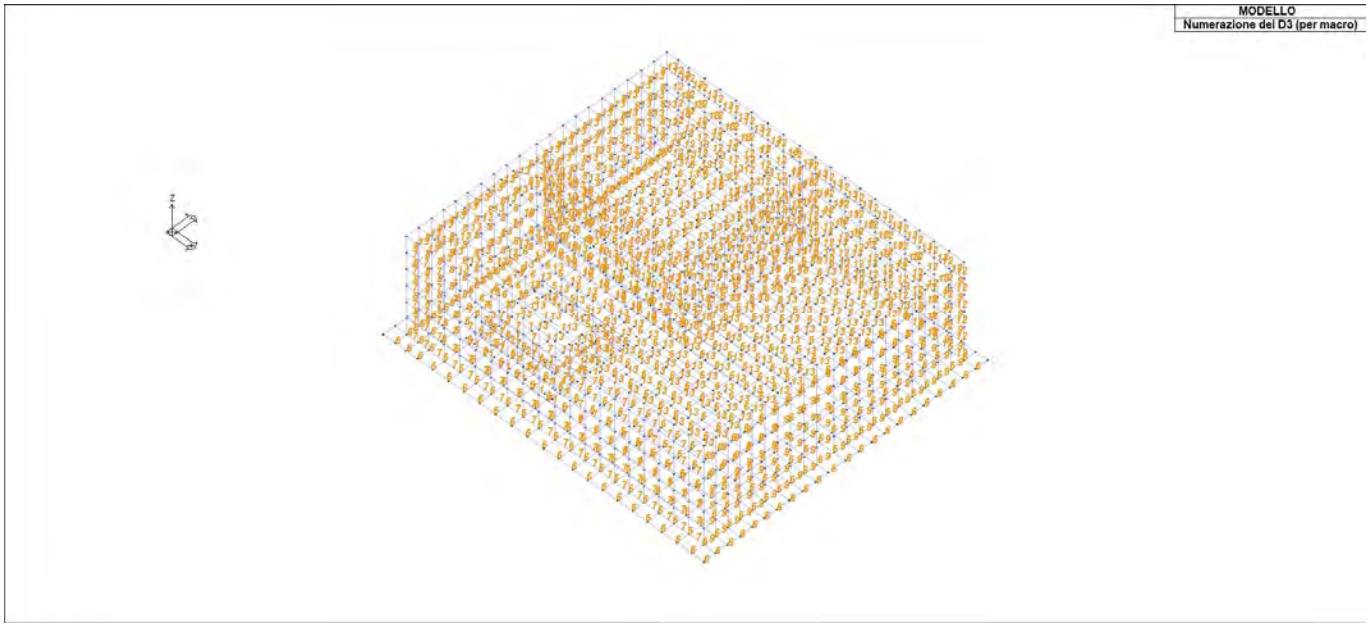


Figura 9 - MOD_NUMERAZIONE_D3_MACRO

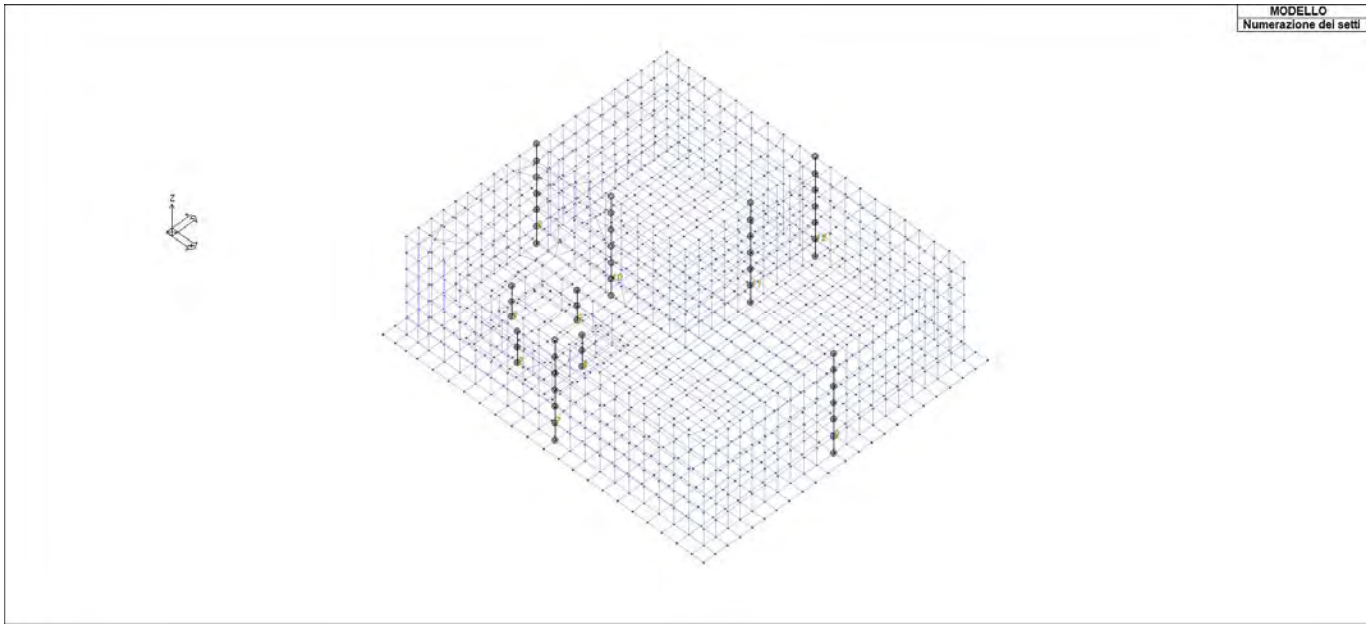


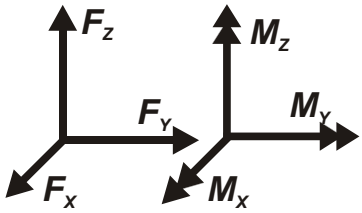
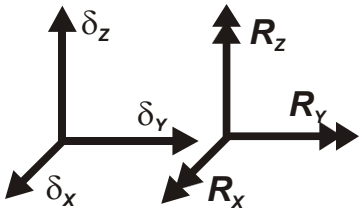
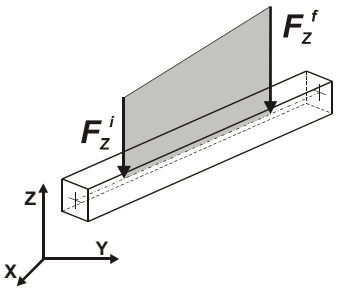
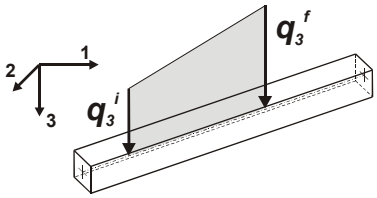
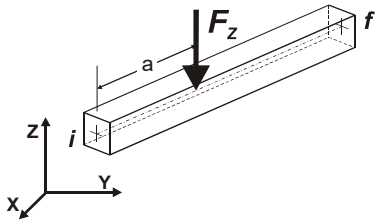
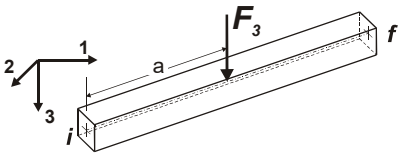
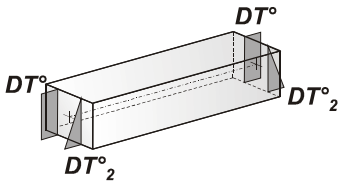
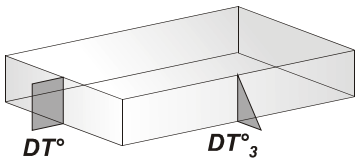
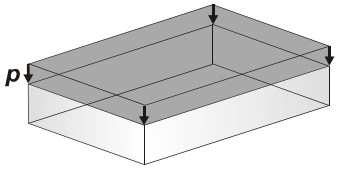
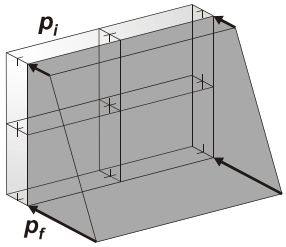
Figura 10 - MOD_NUMERAZIONE_D3_PARETI

8 MODELLAZIONE DELLE AZIONI

8.1 LEGENDA TABELLA DATI AZIONI

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

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

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

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
11	PRES_FOND_1 - P3:p=0.38	0.38
12	PRES_FOND_2 - P3:p=0.50	0.50
15	PRES_SIS_MONO_OKA SLV - P3:p=-0.44	-0.44
16	PRES_2_SIS_MONO_OKA SLV - P3:p=-0.58	-0.58
17	PRES_SIS_MONO_OKA SLD - P3:p=-0.40	-0.40
18	PRES_2_SIS_MONO_OKA SLD - P3:p=-0.52	-0.52
19	PRES_COP - P3:p= 1.300e-02	0.01
20	PRES_ACC - P3:p= 2.000e-02	0.02
21	PRES_POM - P3:p= 6.000e-02	0.06

Tipo	**carico di pressione variabile su piastra**

Id	**Tipo**	**pressione**	**quota**	**pressione**	**quota**
		daN/cm2	cm	daN/cm2	cm
9	PRESS_IDRI_PARETI - PL3:pi=0.0 qi=0.0 pf=0.38 qf=-380.00	0.0	0.0	0.38	-380.00
10	PRESS_IDRI_PARETI_FOND - PL3:pi=0.38 qi=-380.00 pf=0.50 qf=-500.00	0.38	-380.00	0.50	-500.00
13	PRESS_TER_PARETI - PL3:pi=0.0 qi=0.0 pf=-0.46 qf=-380.00	0.0	0.0	-0.46	-380.00
14	PRESS_TER_PARETI_FOND - PL3:pi=-0.46 qi=-380.00 pf=-0.61 qf=-500.00	-0.46	-380.00	-0.61	-500.00
22	PRESS_IDRI_PARETI_INTER - PL3:pi=0.0 qi=0.0 pf=0.38 qf=-380.00	0.0	0.0	0.38	-380.00

9 SCHEMATIZZAZIONE DEI CASI DI CARICO

9.1 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	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		

CDC	Tipo	Sigla Id	Note	Per non automatici:
2	Gk	CDC=G2k (permanente generico n.c.d.) COPERTURA	Azioni applicate:	Ad elementi:
			[19] PRES_COP - P3:p= 1.300e-02	D3: 1137 # 1532
3	Gk	CDC=G2k (permanente generico n.c.d.) LOC_POM	Azioni applicate:	Ad elementi:
			[21] PRES_POM - P3:p= 6.000e-02	D3: 1146 # 1150, 1152 # 1162, 1164 # 1167, 1176 # 1181, 1183 # 1186, 1196 # 1204, 1215 # 1223, 1234 # 1242, 1253 # 1261, 1272 # 1278, 1289 # 1298, 1309 # 1314, 1325 # 1335
4	Gk	CDC=G1k (permanente generico) SPIN_IDR_1	Azioni applicate:	Ad elementi:
			[9] PRESS_IDRI_PARETI - PL3:pi=0.0 qi=0.0 pf=0.38 qf=-380.00	D3: 537 # 576, 587, 589 # 590, 592 # 593, 595 # 596, 598 # 599, 601 # 602, 604 # 605, 607 # 608, 610 # 611, 613 # 614, 616 # 676, 687, 689 # 690, 692 # 693, 695 # 696, 698 # 699, 701 # 702, 704 # 705, 707 # 708, 710 # 711, 713 # 714, 716 # 776, 787, 789 # 790, 792 # 793, 795 # 796, 798 # 799, 801 # 802, 804 # 805, 807 # 808, 810 # 811, 813 # 814, 816 # 876, 887, 889 # 890, 892 # 893, 895 # 896, 898 # 899, 901 # 902, 904 # 905, 907 # 908, 910 # 911, 913 # 914, 916 # 976, 987, 989 # 990, 992 # 993, 995 # 996, 998 # 999, 1001 # 1002, 1004 # 1005, 1007 # 1008, 1010 # 1011, 1013 # 1014, 1016 # 1076, 1087, 1089 # 1090, 1092 # 1093, 1095 # 1096, 1098 # 1099, 1101 # 1102, 1104 # 1105, 1107 # 1108, 1110 # 1111, 1113 # 1114, 1116 # 1136
			[10] PRESS_IDRI_PARETI_FOND - PL3:pi=0.38 qi=-380.00 pf=0.50 qf=-500.00	D3: 37 # 68
			[11] PRES_FOND_1 - P3:p=0.38	D3: 92 # 111, 114 # 133, 136 # 155, 158 # 177, 179 # 186, 188 # 199, 201 # 204, 206 # 217, 220 # 235, 238 # 253, 256 # 267, 269 # 272, 274 # 285, 287 # 294, 296 # 315, 318 # 337, 340 # 359, 362 # 381, 384 # 403, 406 # 425, 428 # 447, 450 # 469, 472 # 491, 494 # 513
			[12] PRES_FOND_2 - P3:p=0.50	D3: 8 # 11, 14 # 17, 20 # 23, 26 # 29
5	Gk	CDC=G1k (permanente generico) SPIN_IDR_2	Azioni applicate:	Ad elementi:
			[9] PRESS_IDRI_PARETI - PL3:pi=0.0 qi=0.0 pf=0.38 qf=-380.00	D3: 537 # 586, 589, 592, 595, 598, 601, 604, 607, 610, 613, 616, 627 # 686, 689, 692, 695, 698, 701, 704, 707, 710, 713, 716, 727 # 786, 789, 792, 795, 798, 801, 804, 807, 810, 813, 816, 827 # 886, 889, 892, 895, 898, 901, 904, 907, 910, 913, 916, 927 # 986, 989, 992, 995, 998, 1001, 1004, 1007, 1010, 1013, 1016, 1027 # 1086, 1089, 1092, 1095, 1098, 1101, 1104, 1107, 1110, 1113, 1116, 1127 # 1136
			[10] PRESS_IDRI_PARETI_FOND - PL3:pi=0.38 qi=-380.00 pf=0.50 qf=-500.00	D3: 37 # 68
			[11] PRES_FOND_1 - P3:p=0.38	D3: 92 # 111, 114 # 133, 136 # 155, 158 # 177, 179 # 186, 188 # 199, 201 # 204, 206 # 217, 220 # 235, 238 # 253, 256 # 267, 269 # 272, 274 # 285, 287 # 294, 306 # 315, 328 # 337, 350 # 359, 372 # 381, 394 # 403, 416 # 425, 438 # 447, 460 # 469, 482 # 491, 504 # 513
			[12] PRES_FOND_2 - P3:p=0.50	D3: 8 # 11, 14 # 17, 20 # 23, 26 # 29
			[22] PRESS_IDRI_PARETI_INTER - PL3:pi=0.0 qi=0.0 pf=0.38 qf=-380.00	D3: 588, 591, 594, 597, 600, 603, 606, 609, 612, 615, 688, 691, 694, 697, 700, 703, 706, 709, 712, 715, 788, 791, 794,

CDC	Tipo	Sigla Id	Note	Per non automatici:
				797, 800, 803, 806, 809, 812, 815, 888, 891, 894, 897, 900, 903, 906, 909, 912, 915, 988, 991, 994, 997, 1000, 1003, 1006, 1009, 1012, 1015, 1088, 1091, 1094, 1097, 1100, 1103, 1106, 1109, 1112
6	Gk	CDC=G1k (permanente generico) SPIN_TER	Azioni applicate:	Ad elementi:
			[13] PRESS_TER_PARETI - PL3:pi=0.0 qi=0.0 pf=-0.46 qf=-380.00	D3: 537 # 576, 587, 589 # 590, 592 # 593, 595 # 596, 598 # 599, 601 # 602, 604 # 605, 607 # 608, 610 # 611, 613 # 614, 616 # 676, 687, 689 # 690, 692 # 693, 695 # 696, 698 # 699, 701 # 702, 704 # 705, 707 # 708, 710 # 711, 713 # 714, 716 # 776, 787, 789 # 790, 792 # 793, 795 # 796, 798 # 799, 801 # 802, 804 # 805, 807 # 808, 810 # 811, 813 # 814, 816 # 876, 887, 889 # 890, 892 # 893, 895 # 896, 898 # 899, 901 # 902, 904 # 905, 907 # 908, 910 # 911, 913 # 914, 916 # 976, 987, 989 # 990, 992 # 993, 995 # 996, 998 # 999, 1001 # 1002, 1004 # 1005, 1007 # 1008, 1010 # 1011, 1013 # 1014, 1016 # 1076, 1087, 1089 # 1090, 1092 # 1093, 1095 # 1096, 1098 # 1099, 1101 # 1102, 1104 # 1105, 1107 # 1108, 1110 # 1111, 1113 # 1114, 1116 # 1136
			[14] PRESS_TER_PARETI_FOND - PL3:pi=-0.46 qi=-380.00 pf=-0.61 qf=-500.00	D3: 37 # 68
7	Qk	CDC=Qk (variabile generico) ACC.	Azioni applicate:	Ad elementi:
			[20] PRES_ACC - P3:p= 2.000e-02	D3: 1137 # 1532
8	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=0.0	Azioni applicate:	Ad elementi:
			[15] PRES_SIS_MONO_OKA SLV - P3:p=-0.44	D3: 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 587, 590, 593, 596, 599, 602, 605, 608, 611, 614, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 687, 690, 693, 696, 699, 702, 705, 708, 711, 714, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 787, 790, 793, 796, 799, 802, 805, 808, 811, 814, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 887, 890, 893, 896, 899, 902, 905, 908, 911, 914, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 987, 990, 993, 996, 999, 1002, 1005, 1008, 1011, 1014, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1087, 1090, 1093, 1096, 1099, 1102, 1105, 1108, 1111
			[16] PRES_2_SIS_MONO_OKA SLV - P3:p=-0.58	D3: 41, 43, 45, 47, 57, 59, 61
9	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=0.0	Azioni applicate:	Ad elementi:
			[15] PRES_SIS_MONO_OKA SLV - P3:p=-0.44	D3: 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 589, 592, 595, 598, 601, 604, 607, 610, 613, 616, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 689, 692, 695, 698, 701, 704, 707, 710, 713, 716, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 789, 792, 795, 798, 801, 804, 807, 810, 813, 816, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 889, 892, 895, 898, 901, 904, 907, 910, 913, 916, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 989, 992, 995, 998, 1001, 1004, 1007, 1010, 1013, 1016, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1089, 1092, 1095, 1098, 1101, 1104,

CDC	Tipo	Sigla Id	Note	Per non automatici:
				1107, 1110, 1113
			[16] PRES_2_SIS_MONO_OKA SLV - P3:p=-0.58	D3: 42, 44, 46, 48, 58, 60, 62
10	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=90.00	Azioni applicate:	Ad elementi:
			[15] PRES_SIS_MONO_OKA SLV - P3:p=-0.44	D3: 537 # 556, 637 # 656, 737 # 756, 837 # 856, 937 # 956, 1037 # 1056
			[16] PRES_2_SIS_MONO_OKA SLV - P3:p=-0.58	D3: 37 # 40, 53 # 56
11	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=90.00	Azioni applicate:	Ad elementi:
			[15] PRES_SIS_MONO_OKA SLV - P3:p=-0.44	D3: 617 # 636, 717 # 736, 817 # 836, 917 # 936, 1017 # 1036, 1117 # 1136
			[16] PRES_2_SIS_MONO_OKA SLV - P3:p=-0.58	D3: 49 # 52, 65 # 68
12	Etk	CDC=Etk (inc. sp. terreno) SLD dir + alfa=0.0	Azioni applicate:	Ad elementi:
			[17] PRES_SIS_MONO_OKA SLD - P3:p=-0.40	D3: 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 587, 590, 593, 596, 599, 602, 605, 608, 611, 614, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 687, 690, 693, 696, 699, 702, 705, 708, 711, 714, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 787, 790, 793, 796, 799, 802, 805, 808, 811, 814, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 887, 890, 893, 896, 899, 902, 905, 908, 911, 914, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 987, 990, 993, 996, 999, 1002, 1005, 1008, 1011, 1014, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1087, 1090, 1093, 1096, 1099, 1102, 1105, 1108, 1111
			[18] PRES_2_SIS_MONO_OKA SLD - P3:p=-0.52	D3: 41, 43, 45, 47, 57, 59, 61
13	Etk	CDC=Etk (inc. sp. terreno) SLD dir - alfa=0.0	Azioni applicate:	Ad elementi:
			[17] PRES_SIS_MONO_OKA SLD - P3:p=-0.40	D3: 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 589, 592, 595, 598, 601, 604, 607, 610, 613, 616, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 689, 692, 695, 698, 701, 704, 707, 710, 713, 716, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 789, 792, 795, 798, 801, 804, 807, 810, 813, 816, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 889, 892, 895, 898, 901, 904, 907, 910, 913, 916, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 989, 992, 995, 998, 1001, 1004, 1007, 1010, 1013, 1016, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1089, 1092, 1095, 1098, 1101, 1104, 1107, 1110, 1113
			[18] PRES_2_SIS_MONO_OKA SLD - P3:p=-0.52	D3: 42, 44, 46, 48, 58, 60, 62
14	Etk	CDC=Etk (inc. sp. terreno) SLD dir + alfa=90.00	Azioni applicate:	Ad elementi:
			[17] PRES_SIS_MONO_OKA SLD - P3:p=-0.40	D3: 537 # 556, 637 # 656, 737 # 756, 837 # 856, 937 # 956, 1037 # 1056
			[18] PRES_2_SIS_MONO_OKA SLD - P3:p=-0.52	D3: 37 # 40, 53 # 56
15	Etk	CDC=Etk (inc. sp. terreno) SLD dir - alfa=90.00	Azioni applicate:	Ad elementi:
			[17] PRES_SIS_MONO_OKA SLD - P3:p=-0.40	D3: 617 # 636, 717 # 736, 817 # 836, 917 # 936, 1017 # 1036, 1117 # 1136
			[18] PRES_2_SIS_MONO_OKA SLD - P3:p=-0.52	D3: 49 # 52, 65 # 68

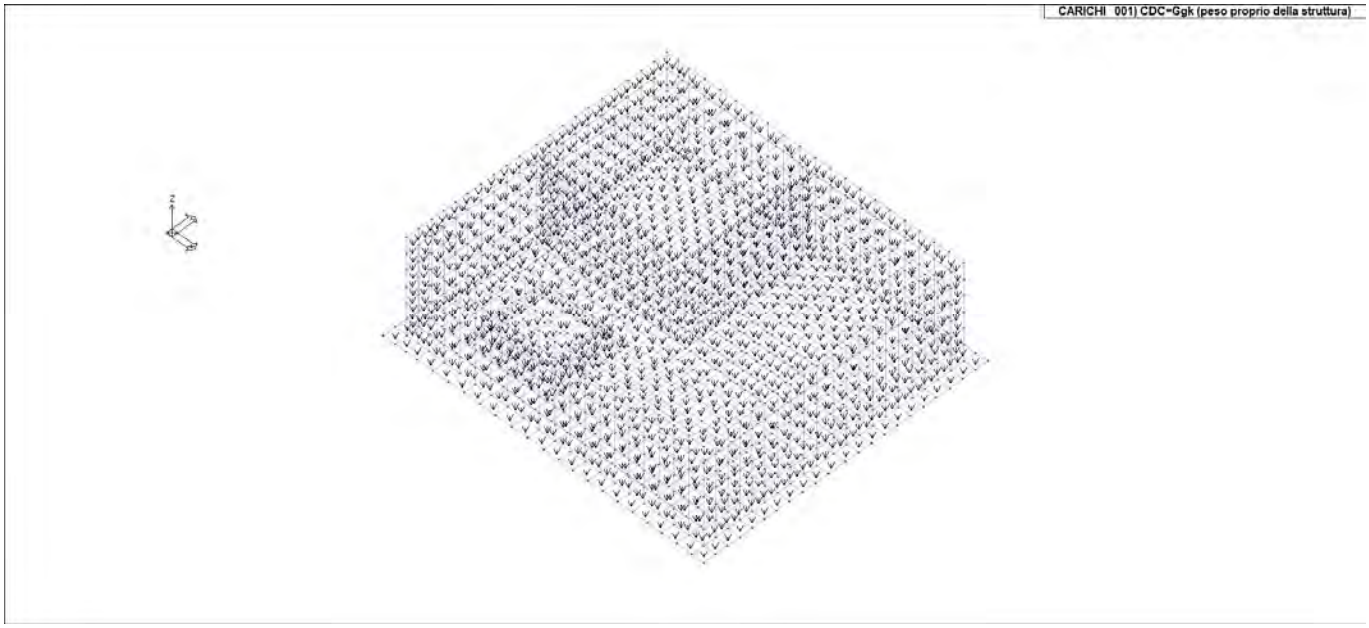


Figura 11 - CDC_001_CDCGgk peso proprio della struttura

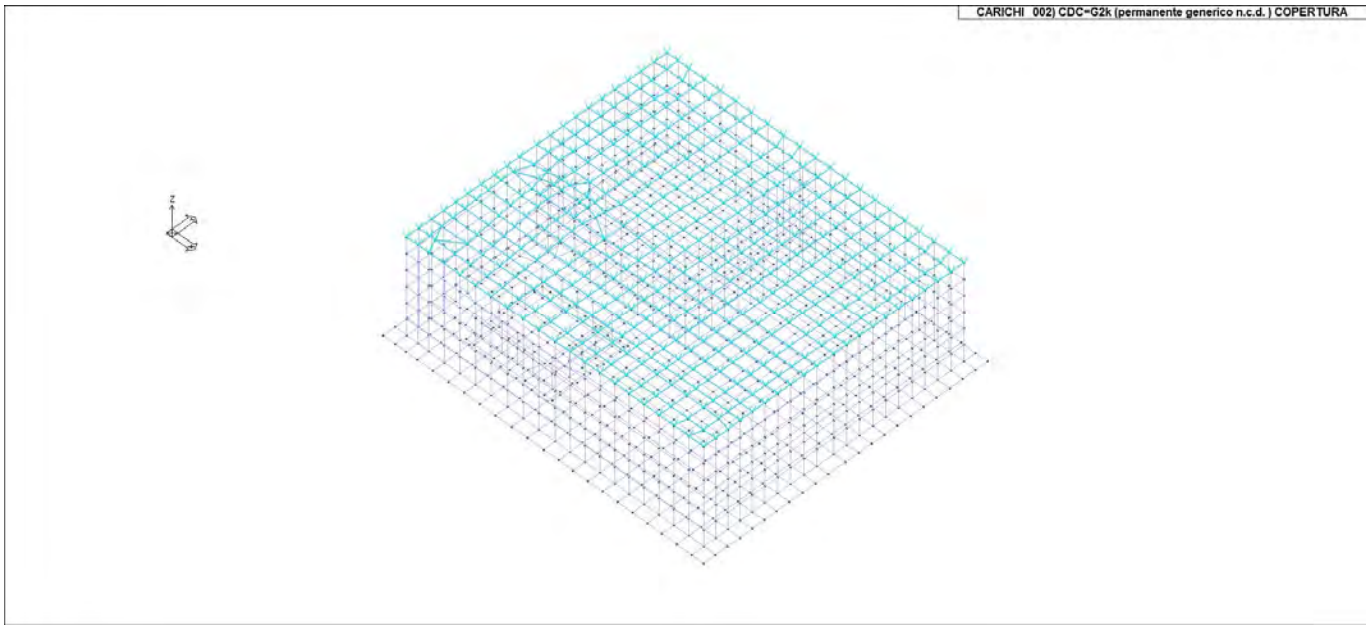


Figura 12 - CDC_002_CDCG2k permanente generico ncd COPERTURA

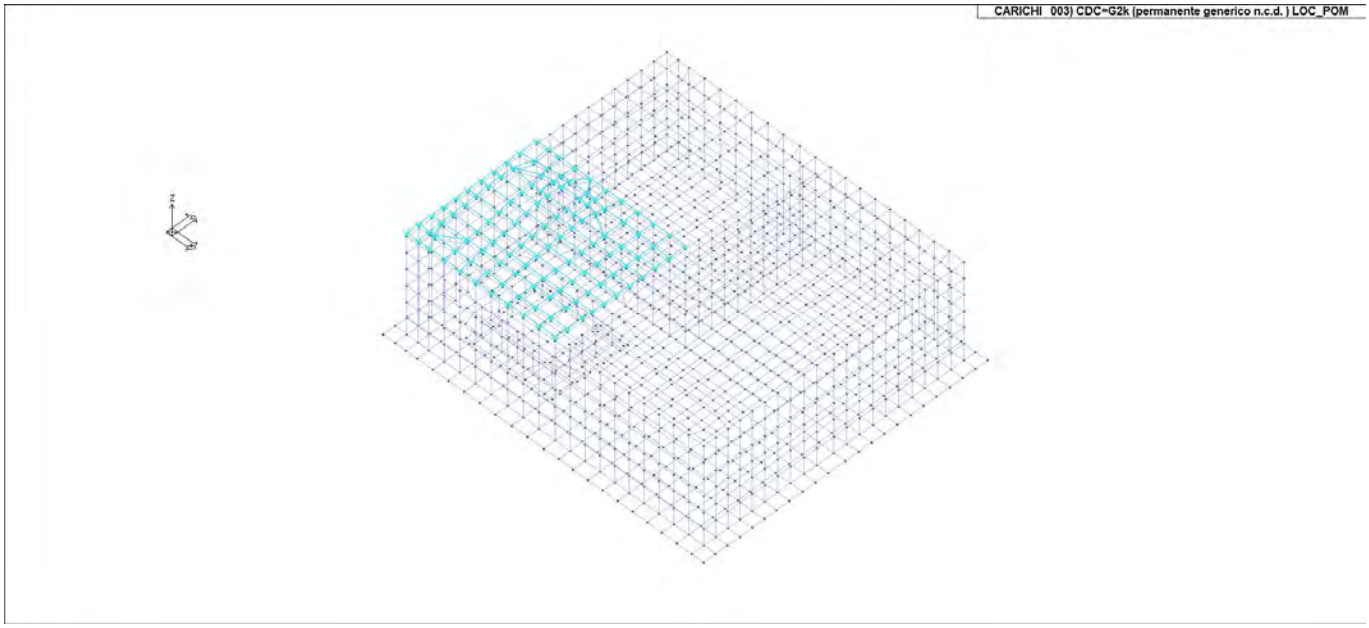


Figura 13 - CDC_003_CDCG2k permanente generico ncd LOCPOM

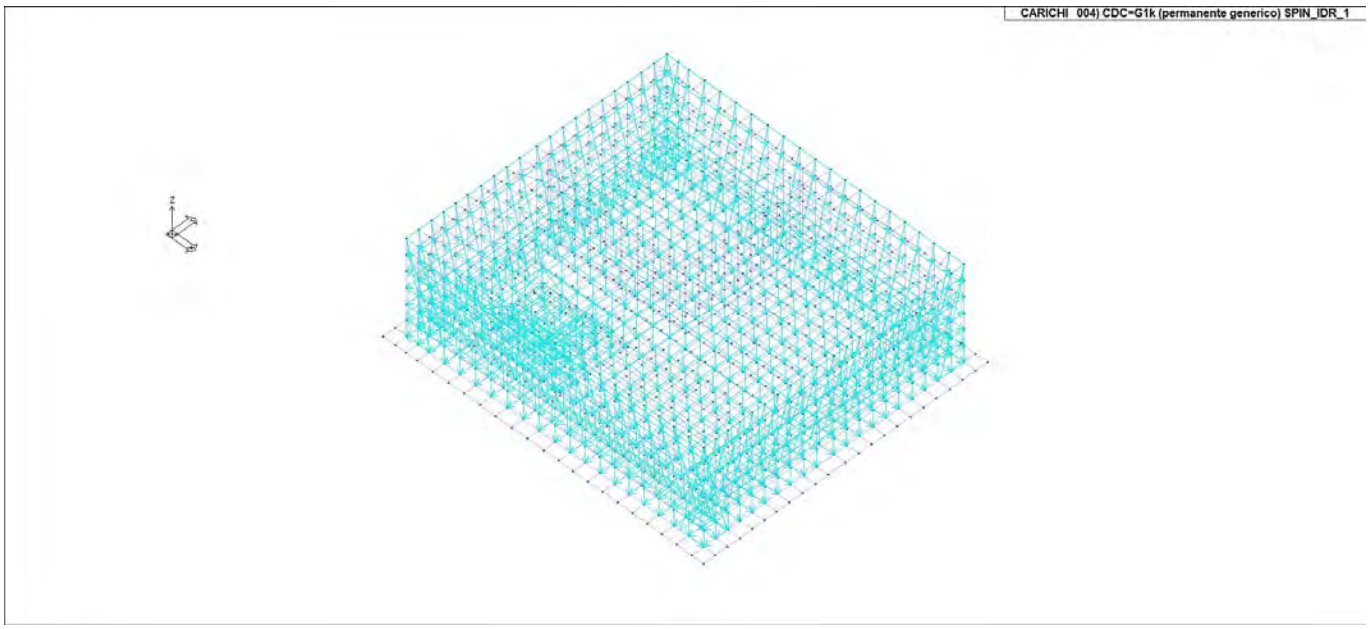


Figura 14 - CDC_004_CDCG1k permanente generico SPINIDR1

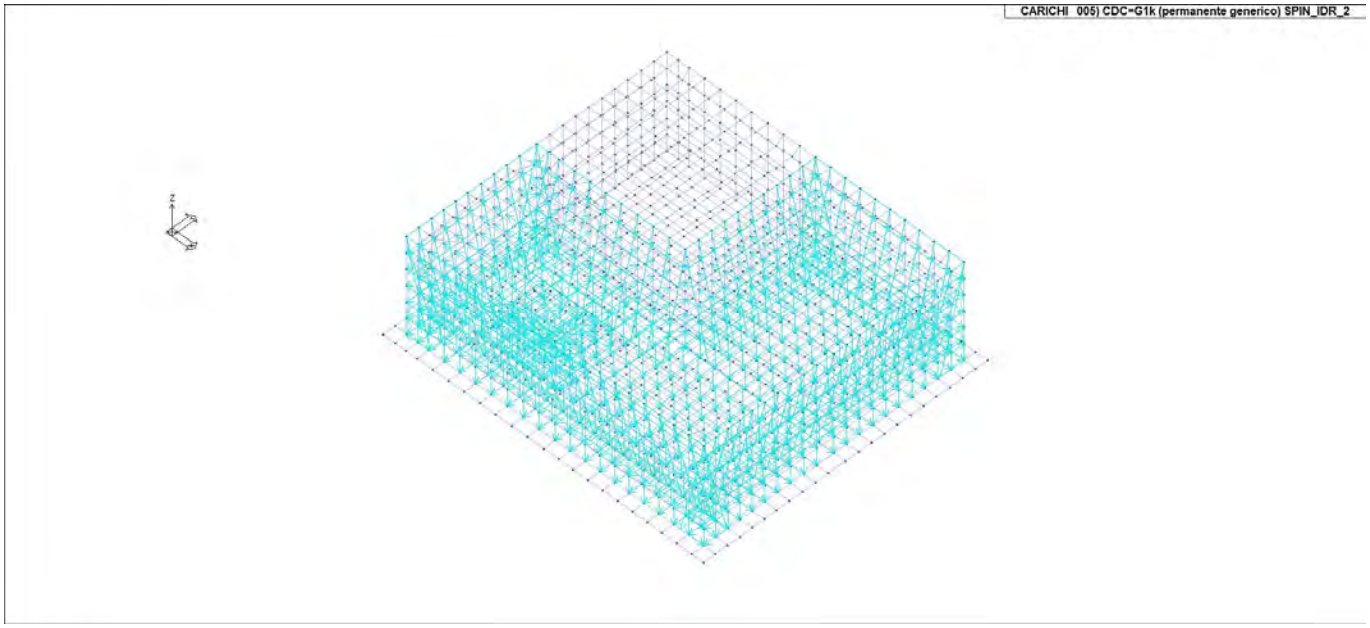


Figura 15 - CDC_005_CDCG1k permanente generico SPINIDR2

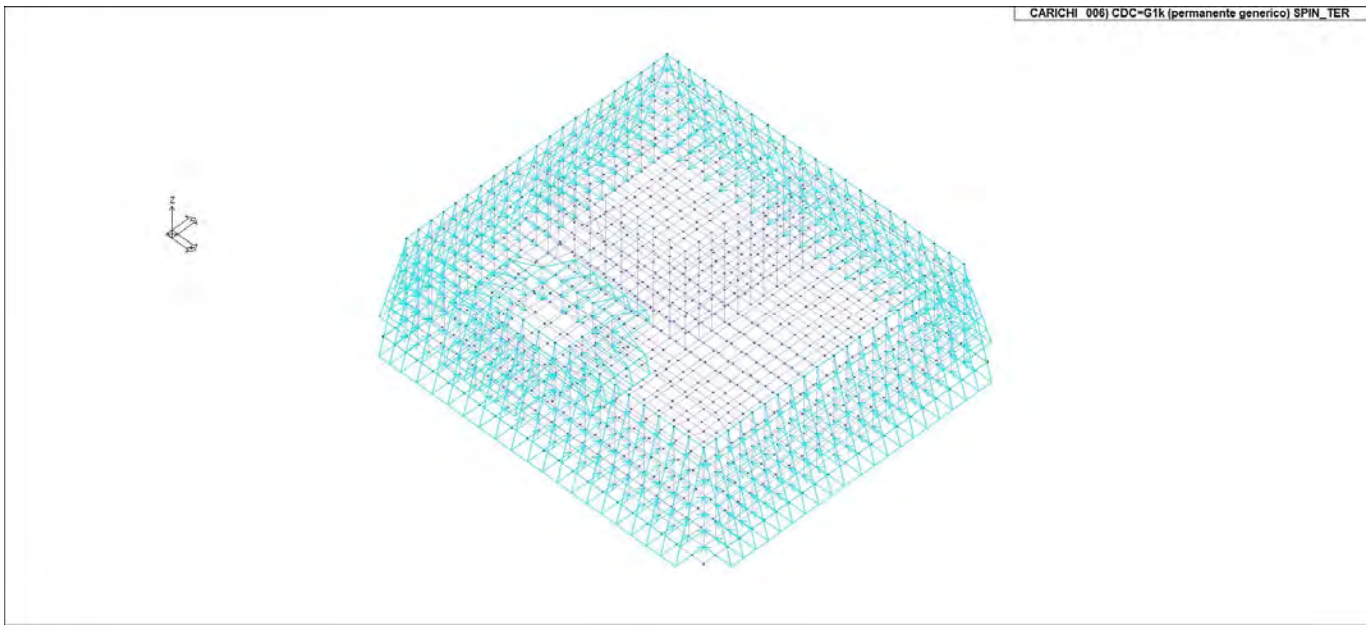


Figura 16 - CDC_006_CDCG1k permanente generico SPINTER

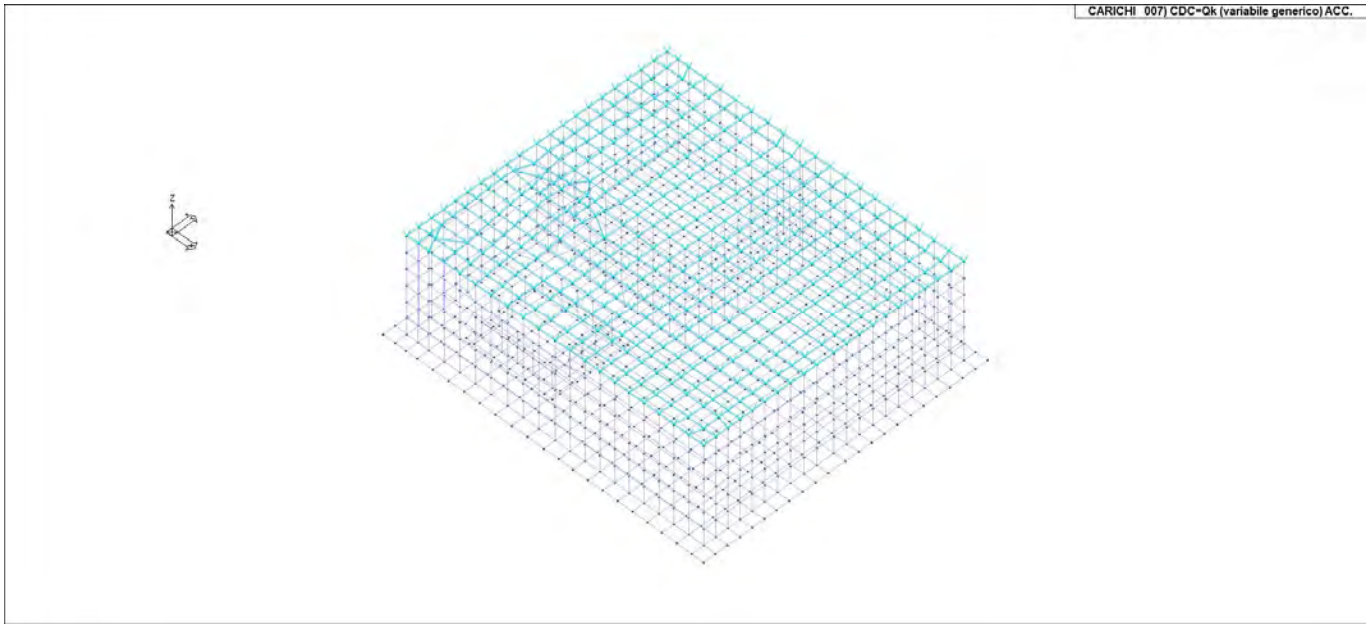


Figura 17 - CDC_007_CDCQk variabile generico ACC

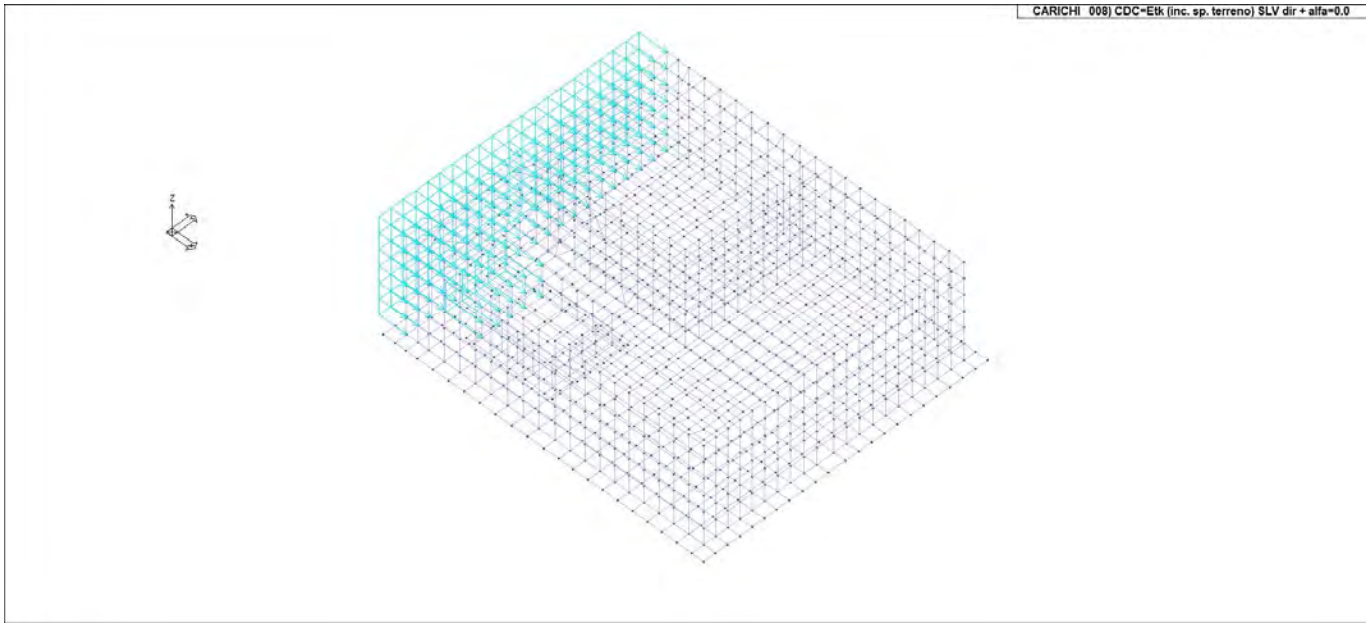


Figura 18 - CDC_008_CDCEtk inc sp terreno SLV dir + alfa00

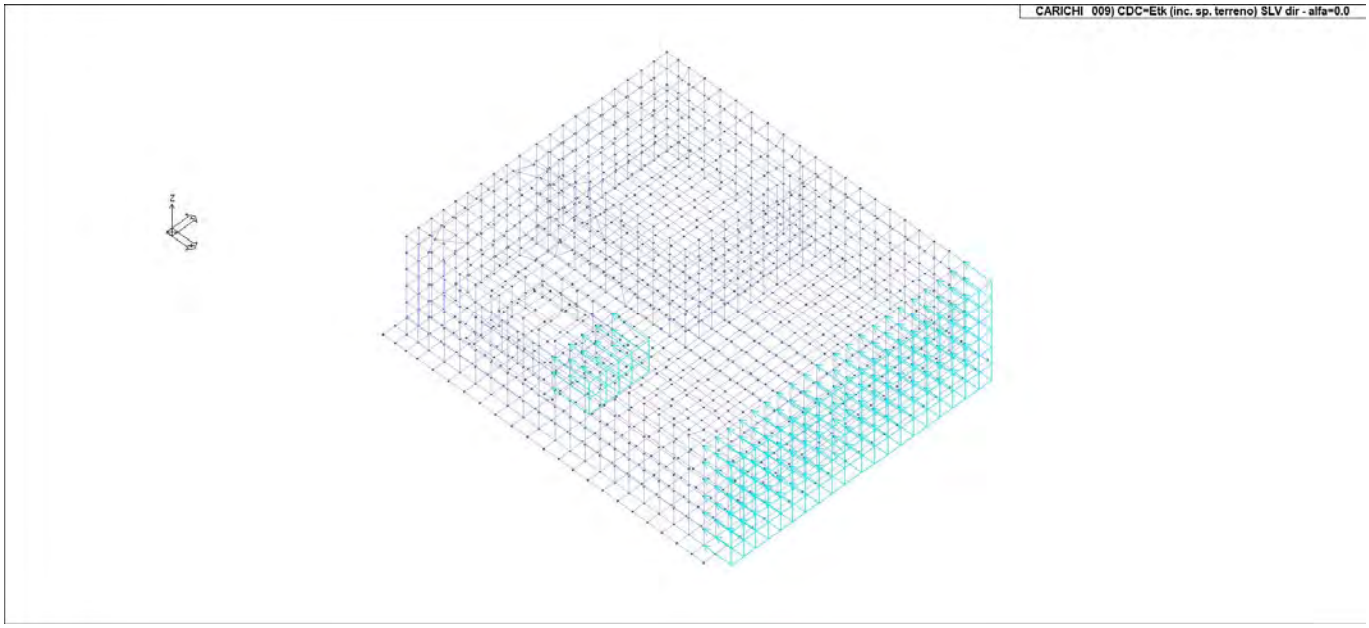


Figura 19 - CDC_009_CDCEtk inc sp terreno SLV dir - alfa00

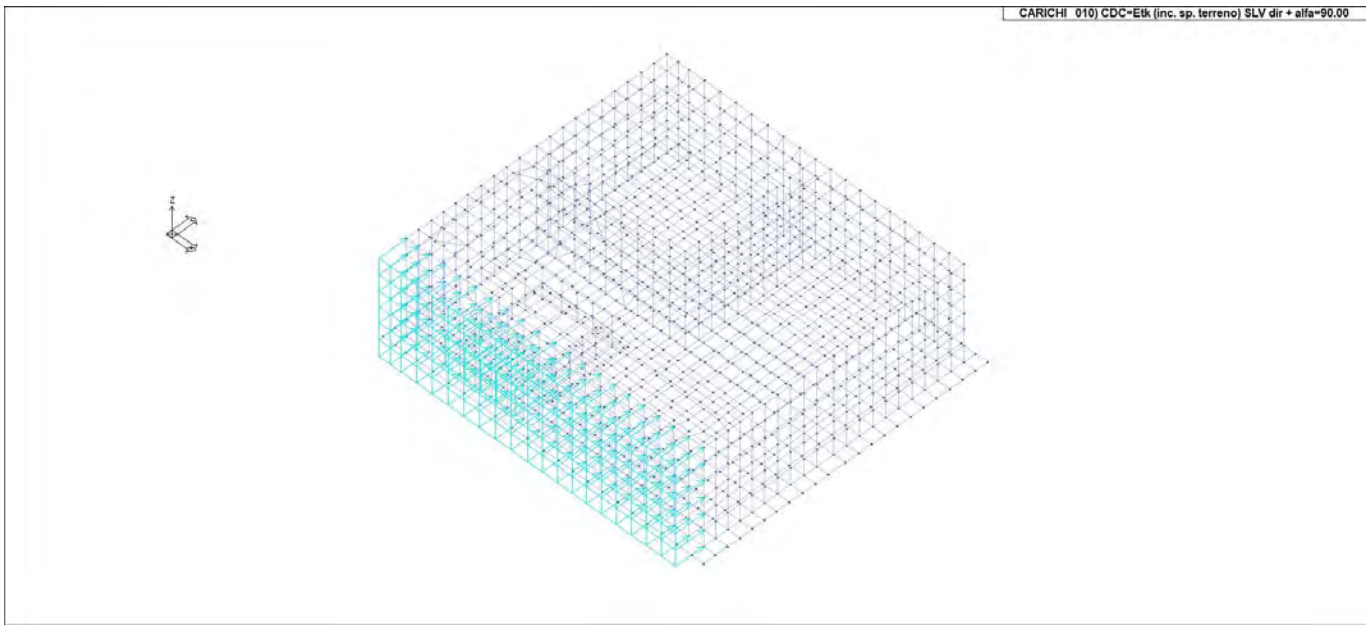


Figura 20 - CDC_010_CDCEtk inc sp terreno SLV dir + alfa9000

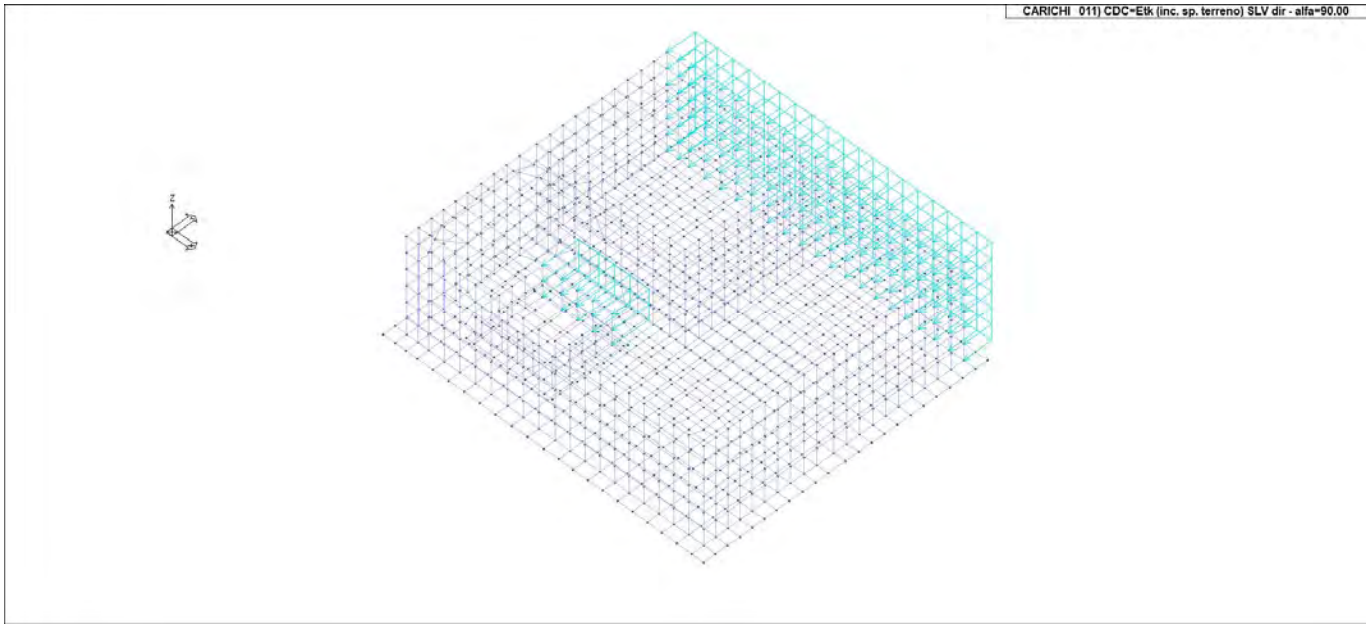


Figura 21 - CDC_011_CDCEtk inc sp terreno SLV dir - alfa9000

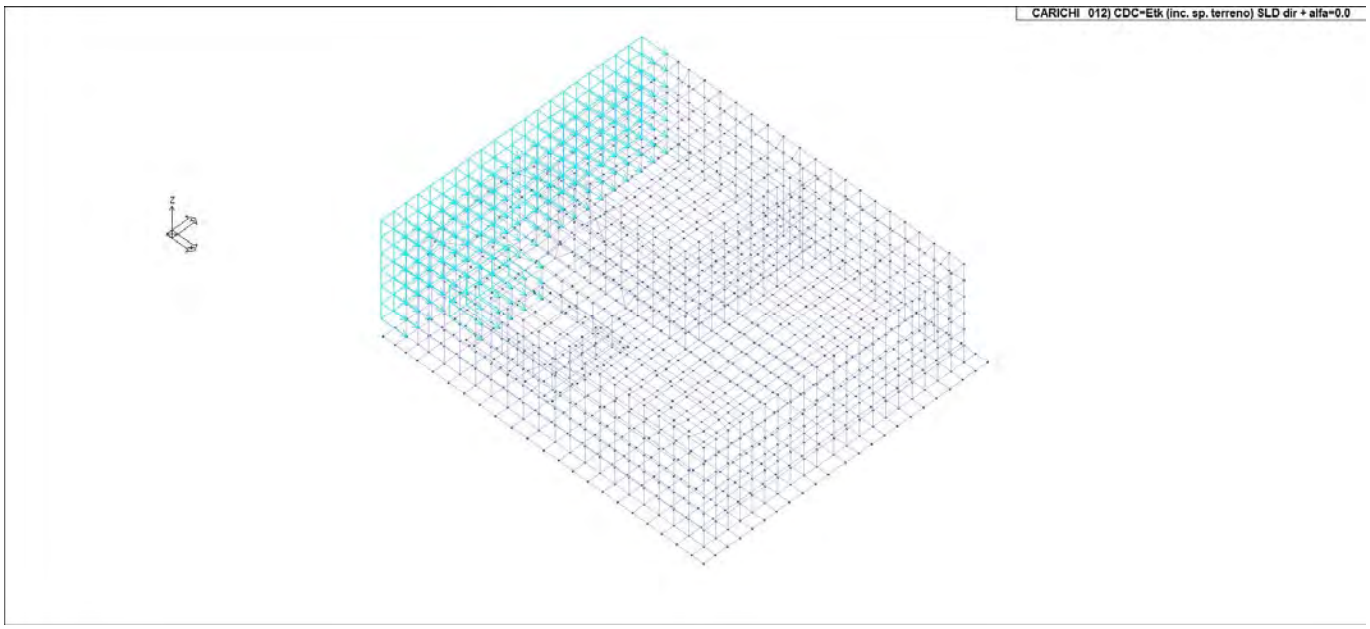


Figura 22 - CDC_012_CDCEtk inc sp terreno SLD dir + alfa00

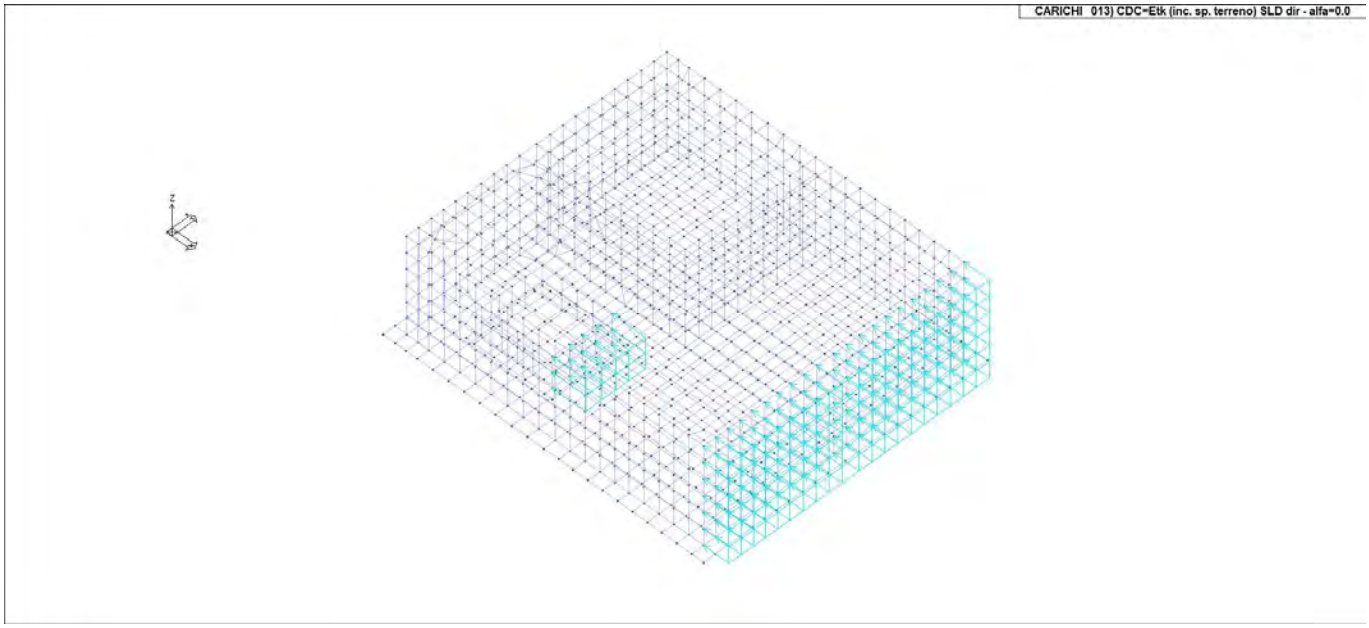


Figura 23 - CDC_013_CDCEtk inc sp terreno SLD dir - alfa00

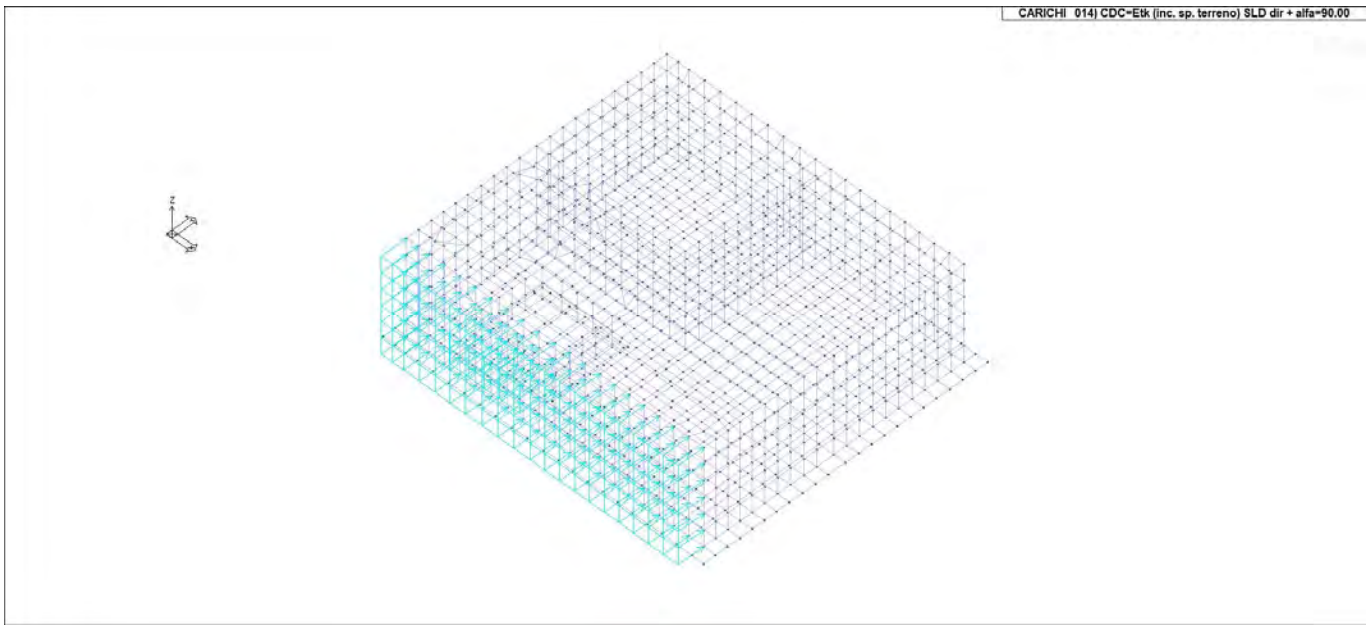


Figura 24 - CDC_014_CDCEtk inc sp terreno SLD dir + alfa9000

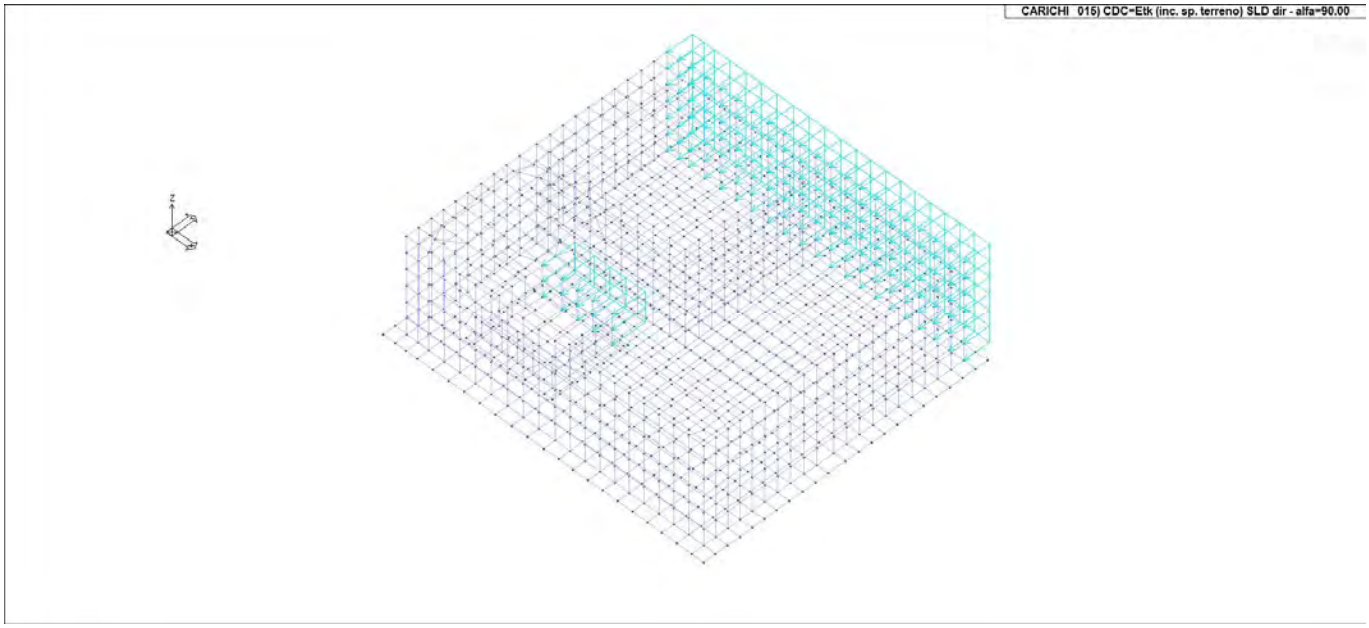


Figura 25 - CDC_015_CDCEtk inc sp terreno SLD dir - alfa9000

10 DEFINIZIONE DELLE COMBINAZIONI

10.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

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

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

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

***Combinazione frequente** SLE*

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

***Combinazione quasi permanente** SLE*

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

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

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

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

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

Dove:
NTC 2018 Tabella 2.5.I

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

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

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

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali *(Non compiutamente definiti)*	*Favorevoli* *Sfavorevoli*	*γG2*	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	*γQi*	*0,0* *1,5*	*0,0* *1,5*	*0,0* *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	SLE(r)	Comb. SLE(rara) 5	
6	SLE(r)	Comb. SLE(rara) 6	
7	SLE(f)	Comb. SLE(freq.) 7	
8	SLE(f)	Comb. SLE(freq.) 8	
9	SLE(p)	Comb. SLE(perm.) 9	
10	SLE(p)	Comb. SLE(perm.) 10	
11	SLU	Comb. SLV(dir 0+) 11	
12	SLU	Comb. SLV(dir 0+) 12	
13	SLU	Comb. SLV(dir 0+) 13	
14	SLU	Comb. SLV(dir 0+) 14	
15	SLU	Comb. SLV(dir 0-) 15	
16	SLU	Comb. SLV(dir 0-) 16	
17	SLU	Comb. SLV(dir 0-) 17	
18	SLU	Comb. SLV(dir 0-) 18	
19	SLU	Comb. SLV(dir 90+) 19	
20	SLU	Comb. SLV(dir 90+) 20	
21	SLU	Comb. SLV(dir 90+) 21	
22	SLU	Comb. SLV(dir 90+) 22	
23	SLU	Comb. SLV(dir 90-) 23	
24	SLU	Comb. SLV(dir 90-) 24	
25	SLU	Comb. SLV(dir 90-) 25	
26	SLU	Comb. SLV(dir 90-) 26	
27	SLU	Comb. SLD(dir 0+) 27	
28	SLU	Comb. SLD(dir 0+) 28	
29	SLU	Comb. SLD(dir 0+) 29	
30	SLU	Comb. SLD(dir 0+) 30	
31	SLU	Comb. SLD(dir 0-) 31	
32	SLU	Comb. SLD(dir 0-) 32	
33	SLU	Comb. SLD(dir 0-) 33	
34	SLU	Comb. SLD(dir 0-) 34	
35	SLU	Comb. SLD(dir 90+) 35	
36	SLU	Comb. SLD(dir 90+) 36	
37	SLU	Comb. SLD(dir 90+) 37	
38	SLU	Comb. SLD(dir 90+)	

Cmb	Tipo	Sigla Id	effetto P-delta
		38	
39	SLU	Comb. SLD(dir 90-) 39	
40	SLU	Comb. SLD(dir 90-) 40	
41	SLU	Comb. SLD(dir 90-) 41	
42	SLU	Comb. SLD(dir 90-) 42	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0													
28	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	0.0													
29	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	0.30													
30	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	0.30													
31	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30
	0.0													
32	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30
	0.0													
33	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.30													
34	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.30													
35	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
	0.0													
36	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
	0.0													
37	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00
	0.0													
38	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00
	0.0													
39	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
	1.00													
40	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
	1.00													
41	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	1.00													
42	1.00	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	1.00													

11 RISULTATI NODALI

11.1 LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	3.09e-03	4.41e-03	-0.14	2.23e-05	2.73e-05	0.0
1	5	1.93e-03	4.16e-03	-0.10	2.30e-05	2.48e-05	0.0
1	6	3.06e-04	8.72e-03	-0.10	5.06e-05	4.07e-05	0.0
1	7	1.93e-03	4.16e-03	-0.10	2.30e-05	2.48e-05	0.0
1	8	3.06e-04	8.72e-03	-0.10	5.06e-05	4.07e-05	0.0
1	9	1.93e-03	4.16e-03	-0.10	2.30e-05	2.48e-05	0.0
1	10	3.06e-04	8.72e-03	-0.10	5.06e-05	4.07e-05	0.0
1	13	0.02	-5.80e-03	-0.10	5.45e-05	4.34e-05	0.0
1	22	-0.01	0.04	-0.09	5.82e-05	6.06e-05	0.0
2	1	3.10e-03	4.64e-03	-0.14	2.40e-05	1.98e-05	0.0
2	5	1.94e-03	4.32e-03	-0.11	2.42e-05	1.93e-05	0.0
2	6	3.08e-04	8.81e-03	-0.10	5.17e-05	3.58e-05	0.0
2	7	1.94e-03	4.32e-03	-0.11	2.42e-05	1.93e-05	0.0
2	8	3.08e-04	8.81e-03	-0.10	5.17e-05	3.58e-05	0.0
2	9	1.94e-03	4.32e-03	-0.11	2.42e-05	1.93e-05	0.0
2	10	3.08e-04	8.81e-03	-0.10	5.17e-05	3.58e-05	0.0
2	13	0.02	-5.47e-03	-0.10	5.54e-05	3.71e-05	0.0
2	22	-0.01	0.04	-0.09	5.87e-05	5.64e-05	0.0
3	1	3.22e-03	5.25e-03	-0.14	2.78e-05	-2.71e-06	0.0
3	5	2.04e-03	4.76e-03	-0.11	2.71e-05	2.99e-06	0.0
3	6	4.15e-04	9.08e-03	-0.10	5.52e-05	2.21e-05	0.0
3	7	2.04e-03	4.76e-03	-0.11	2.71e-05	2.99e-06	0.0
3	8	4.15e-04	9.08e-03	-0.10	5.52e-05	2.21e-05	0.0
3	9	2.04e-03	4.76e-03	-0.11	2.71e-05	2.99e-06	0.0
3	10	4.15e-04	9.08e-03	-0.10	5.52e-05	2.21e-05	0.0
3	13	0.02	-4.54e-03	-0.11	5.64e-05	1.27e-05	0.0
3	22	-0.01	0.04	-0.10	5.71e-05	4.92e-05	0.0
4	1	3.41e-03	5.76e-03	-0.14	2.80e-05	-1.08e-05	0.0
4	5	2.20e-03	5.14e-03	-0.11	2.75e-05	-3.56e-06	0.0
4	6	6.06e-04	9.34e-03	-0.10	5.72e-05	1.48e-05	0.0
4	7	2.20e-03	5.14e-03	-0.11	2.75e-05	-3.56e-06	0.0
4	8	6.06e-04	9.34e-03	-0.10	5.72e-05	1.48e-05	0.0
4	9	2.20e-03	5.14e-03	-0.11	2.75e-05	-3.56e-06	0.0
4	10	6.06e-04	9.34e-03	-0.10	5.72e-05	1.48e-05	0.0
4	13	0.02	-3.60e-03	-0.11	5.37e-05	-2.01e-06	0.0
4	22	-0.01	0.04	-0.10	6.05e-05	4.62e-05	0.0
5	1	3.59e-03	6.32e-03	-0.14	3.42e-05	-1.87e-05	0.0
5	5	2.35e-03	5.56e-03	-0.11	3.26e-05	-1.00e-05	0.0
5	6	7.93e-04	9.66e-03	-0.10	6.40e-05	7.00e-06	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
5	7	2.35e-03	5.56e-03	-0.11	3.26e-05	-1.00e-05	0.0
5	8	7.93e-04	9.66e-03	-0.10	6.40e-05	7.00e-06	0.0
5	9	2.35e-03	5.56e-03	-0.11	3.26e-05	-1.00e-05	0.0
5	10	7.93e-04	9.66e-03	-0.10	6.40e-05	7.00e-06	0.0
5	13	0.02	-2.52e-03	-0.11	5.41e-05	-1.48e-05	0.0
5	22	-0.01	0.04	-0.10	7.85e-05	4.10e-05	0.0
6	1	3.69e-03	7.03e-03	-0.14	3.93e-05	-2.75e-05	0.0
6	5	2.43e-03	6.10e-03	-0.10	3.69e-05	-1.72e-05	0.0
6	6	8.91e-04	0.01	-0.10	6.99e-05	-1.33e-06	0.0
6	7	2.43e-03	6.10e-03	-0.10	3.69e-05	-1.72e-05	0.0
6	8	8.91e-04	0.01	-0.10	6.99e-05	-1.33e-06	0.0
6	9	2.43e-03	6.10e-03	-0.10	3.69e-05	-1.72e-05	0.0
6	10	8.91e-04	0.01	-0.10	6.99e-05	-1.33e-06	0.0
6	13	0.02	-1.03e-03	-0.10	5.33e-05	-2.49e-05	0.0
6	22	-0.01	0.04	-0.11	1.01e-04	2.88e-05	0.0
7	1	3.69e-03	7.34e-03	-0.14	3.92e-05	-3.11e-05	0.0
7	5	2.43e-03	6.33e-03	-0.10	3.69e-05	-1.99e-05	0.0
7	6	8.94e-04	0.01	-0.10	7.01e-05	-4.12e-06	0.0
7	7	2.43e-03	6.33e-03	-0.10	3.69e-05	-1.99e-05	0.0
7	8	8.94e-04	0.01	-0.10	7.01e-05	-4.12e-06	0.0
7	9	2.43e-03	6.33e-03	-0.10	3.69e-05	-1.99e-05	0.0
7	10	8.94e-04	0.01	-0.10	7.01e-05	-4.12e-06	0.0
7	13	0.02	-4.31e-04	-0.10	5.29e-05	-2.77e-05	0.0
7	22	-0.01	0.04	-0.11	1.03e-04	2.52e-05	0.0
8	1	2.85e-03	4.42e-03	-0.14	2.98e-05	2.53e-05	0.0
8	5	1.76e-03	4.17e-03	-0.10	2.85e-05	2.32e-05	0.0
8	6	2.04e-04	8.73e-03	-0.09	5.55e-05	3.90e-05	0.0
8	7	1.76e-03	4.17e-03	-0.10	2.85e-05	2.32e-05	0.0
8	8	2.04e-04	8.73e-03	-0.09	5.55e-05	3.90e-05	0.0
8	9	1.76e-03	4.17e-03	-0.10	2.85e-05	2.32e-05	0.0
8	10	2.04e-04	8.73e-03	-0.09	5.55e-05	3.90e-05	0.0
8	13	0.02	-5.80e-03	-0.10	6.01e-05	4.29e-05	0.0
8	22	-0.01	0.04	-0.09	6.34e-05	5.85e-05	0.0
9	1	2.84e-03	4.64e-03	-0.14	3.44e-05	1.44e-05	6.70e-06
9	5	1.75e-03	4.33e-03	-0.10	3.20e-05	1.51e-05	4.64e-06
9	6	1.92e-04	8.82e-03	-0.10	5.89e-05	3.16e-05	2.21e-06
9	7	1.75e-03	4.33e-03	-0.10	3.20e-05	1.51e-05	4.64e-06
9	8	1.92e-04	8.82e-03	-0.10	5.89e-05	3.16e-05	2.21e-06
9	9	1.75e-03	4.33e-03	-0.10	3.20e-05	1.51e-05	4.64e-06
9	10	1.92e-04	8.82e-03	-0.10	5.89e-05	3.16e-05	2.21e-06
9	13	0.02	-5.47e-03	-0.10	6.25e-05	3.34e-05	7.18e-06
9	22	-0.01	0.04	-0.09	6.70e-05	5.20e-05	-9.76e-06
10	1	2.95e-03	5.24e-03	-0.14	3.32e-05	0.0	7.90e-06
10	5	1.84e-03	4.75e-03	-0.11	3.11e-05	4.93e-06	5.67e-06
10	6	2.74e-04	9.07e-03	-0.10	5.88e-05	2.38e-05	2.97e-06
10	7	1.84e-03	4.75e-03	-0.11	3.11e-05	4.93e-06	5.67e-06
10	8	2.74e-04	9.07e-03	-0.10	5.88e-05	2.38e-05	2.97e-06
10	9	1.84e-03	4.75e-03	-0.11	3.11e-05	4.93e-06	5.67e-06
10	10	2.74e-04	9.07e-03	-0.10	5.88e-05	2.38e-05	2.97e-06
10	13	0.02	-4.57e-03	-0.10	5.99e-05	1.51e-05	1.46e-05
10	22	-0.01	0.04	-0.10	6.08e-05	5.10e-05	-9.01e-06
11	1	3.15e-03	5.75e-03	-0.14	3.11e-05	-1.13e-05	7.98e-06
11	5	2.00e-03	5.13e-03	-0.11	2.97e-05	-3.97e-06	5.88e-06
11	6	4.60e-04	9.32e-03	-0.10	5.90e-05	1.40e-05	3.57e-06
11	7	2.00e-03	5.13e-03	-0.11	2.97e-05	-3.97e-06	5.88e-06
11	8	4.60e-04	9.32e-03	-0.10	5.90e-05	1.40e-05	3.57e-06
11	9	2.00e-03	5.13e-03	-0.11	2.97e-05	-3.97e-06	5.88e-06
11	10	4.60e-04	9.32e-03	-0.10	5.90e-05	1.40e-05	3.57e-06
11	13	0.02	-3.62e-03	-0.11	5.53e-05	-1.63e-06	1.73e-05
11	22	-0.01	0.04	-0.10	6.21e-05	4.41e-05	-1.51e-05
12	1	3.34e-03	6.31e-03	-0.14	3.85e-05	-2.20e-05	8.42e-06
12	5	2.16e-03	5.55e-03	-0.10	3.58e-05	-1.27e-05	6.31e-06
12	6	6.52e-04	9.65e-03	-0.10	6.70e-05	3.97e-06	4.44e-06
12	7	2.16e-03	5.55e-03	-0.10	3.58e-05	-1.27e-05	6.31e-06
12	8	6.52e-04	9.65e-03	-0.10	6.70e-05	3.97e-06	4.44e-06
12	9	2.16e-03	5.55e-03	-0.10	3.58e-05	-1.27e-05	6.31e-06
12	10	6.52e-04	9.65e-03	-0.10	6.70e-05	3.97e-06	4.44e-06

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
12	13	0.02	-2.53e-03	-0.10	5.70e-05	-1.65e-05	1.97e-05
12	22	-0.01	0.04	-0.10	8.13e-05	3.51e-05	-2.20e-05
13	1	3.39e-03	7.03e-03	-0.14	4.62e-05	-2.46e-05	1.01e-05
13	5	2.21e-03	6.10e-03	-0.10	4.21e-05	-1.51e-05	7.60e-06
13	6	7.21e-04	0.01	-0.10	7.49e-05	0.0	6.45e-06
13	7	2.21e-03	6.10e-03	-0.10	4.21e-05	-1.51e-05	7.60e-06
13	8	7.21e-04	0.01	-0.10	7.49e-05	0.0	6.45e-06
13	9	2.21e-03	6.10e-03	-0.10	4.21e-05	-1.51e-05	7.60e-06
13	10	7.21e-04	0.01	-0.10	7.49e-05	0.0	6.45e-06
13	13	0.02	-1.03e-03	-0.10	5.77e-05	-2.22e-05	2.27e-05
13	22	-0.01	0.04	-0.10	1.08e-04	2.87e-05	-1.83e-05
14	1	3.39e-03	7.35e-03	-0.14	4.31e-05	-3.05e-05	0.0
14	5	2.21e-03	6.34e-03	-0.10	3.98e-05	-1.96e-05	0.0
14	6	7.18e-04	0.01	-0.10	7.30e-05	-4.06e-06	0.0
14	7	2.21e-03	6.34e-03	-0.10	3.98e-05	-1.96e-05	0.0
14	8	7.18e-04	0.01	-0.10	7.30e-05	-4.06e-06	0.0
14	9	2.21e-03	6.34e-03	-0.10	3.98e-05	-1.96e-05	0.0
14	10	7.18e-04	0.01	-0.10	7.30e-05	-4.06e-06	0.0
14	13	0.02	-4.19e-04	-0.10	5.54e-05	-2.74e-05	0.0
14	22	-0.01	0.04	-0.10	1.08e-04	2.41e-05	0.0
15	1	2.37e-03	4.41e-03	-0.14	4.73e-05	2.08e-05	0.0
15	5	1.44e-03	4.17e-03	-0.10	4.10e-05	1.96e-05	0.0
15	6	4.90e-05	8.73e-03	-0.09	6.57e-05	3.47e-05	0.0
15	7	1.44e-03	4.17e-03	-0.10	4.10e-05	1.96e-05	0.0
15	8	4.90e-05	8.73e-03	-0.09	6.57e-05	3.47e-05	0.0
15	9	1.44e-03	4.17e-03	-0.10	4.10e-05	1.96e-05	0.0
15	10	4.90e-05	8.73e-03	-0.09	6.57e-05	3.47e-05	0.0
15	13	0.02	-5.88e-03	-0.10	7.06e-05	4.82e-05	0.0
15	22	-0.01	0.04	-0.09	7.41e-05	5.00e-05	0.0
16	1	2.38e-03	4.66e-03	-0.14	4.52e-05	1.46e-05	8.24e-06
16	5	1.45e-03	4.33e-03	-0.10	3.95e-05	1.50e-05	5.66e-06
16	6	5.71e-05	8.82e-03	-0.09	6.44e-05	3.08e-05	3.39e-06
16	7	1.45e-03	4.33e-03	-0.10	3.95e-05	1.50e-05	5.66e-06
16	8	5.71e-05	8.82e-03	-0.09	6.44e-05	3.08e-05	3.39e-06
16	9	1.45e-03	4.33e-03	-0.10	3.95e-05	1.50e-05	5.66e-06
16	10	5.71e-05	8.82e-03	-0.09	6.44e-05	3.08e-05	3.39e-06
16	13	0.02	-5.50e-03	-0.10	6.75e-05	4.37e-05	8.01e-06
16	22	-0.01	0.04	-0.09	7.39e-05	4.68e-05	-1.38e-05
17	1	2.44e-03	5.28e-03	-0.14	2.39e-05	1.86e-05	0.0
17	5	1.50e-03	4.79e-03	-0.10	2.35e-05	1.91e-05	0.0
17	6	1.15e-04	9.11e-03	-0.09	4.99e-05	3.67e-05	0.0
17	7	1.50e-03	4.79e-03	-0.10	2.35e-05	1.91e-05	0.0
17	8	1.15e-04	9.11e-03	-0.09	4.99e-05	3.67e-05	0.0
17	9	1.50e-03	4.79e-03	-0.10	2.35e-05	1.91e-05	0.0
17	10	1.15e-04	9.11e-03	-0.09	4.99e-05	3.67e-05	0.0
17	13	0.02	-4.50e-03	-0.10	4.57e-05	3.20e-05	0.0
17	22	-0.01	0.04	-0.09	6.65e-05	6.09e-05	0.0
18	1	2.51e-03	5.81e-03	-0.14	1.54e-05	-1.26e-05	0.0
18	5	1.56e-03	5.18e-03	-0.10	1.74e-05	-5.45e-06	0.0
18	6	1.83e-04	9.38e-03	-0.10	4.55e-05	1.05e-05	0.0
18	7	1.56e-03	5.18e-03	-0.10	1.74e-05	-5.45e-06	0.0
18	8	1.83e-04	9.38e-03	-0.10	4.55e-05	1.05e-05	0.0
18	9	1.56e-03	5.18e-03	-0.10	1.74e-05	-5.45e-06	0.0
18	10	1.83e-04	9.38e-03	-0.10	4.55e-05	1.05e-05	0.0
18	13	0.02	-3.53e-03	-0.10	3.65e-05	0.0	0.0
18	22	-0.01	0.04	-0.10	6.95e-05	3.27e-05	0.0
19	1	2.60e-03	6.39e-03	-0.14	2.53e-05	-4.27e-05	0.0
19	5	1.63e-03	5.61e-03	-0.10	2.56e-05	-2.92e-05	0.0
19	6	2.54e-04	9.72e-03	-0.10	5.59e-05	-1.50e-05	0.0
19	7	1.63e-03	5.61e-03	-0.10	2.56e-05	-2.92e-05	0.0
19	8	2.54e-04	9.72e-03	-0.10	5.59e-05	-1.50e-05	0.0
19	9	1.63e-03	5.61e-03	-0.10	2.56e-05	-2.92e-05	0.0
19	10	2.54e-04	9.72e-03	-0.10	5.59e-05	-1.50e-05	0.0
19	13	0.02	-2.45e-03	-0.10	4.07e-05	-2.85e-05	0.0
19	22	-0.01	0.04	-0.10	8.88e-05	4.19e-06	0.0
20	1	2.68e-03	7.07e-03	-0.13	4.90e-05	-2.82e-05	1.16e-05
20	5	1.69e-03	6.14e-03	-0.10	4.45e-05	-1.84e-05	8.46e-06

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
20	6	3.16e-04	0.01	-0.09	7.78e-05	-5.28e-06	7.22e-06
20	7	1.69e-03	6.14e-03	-0.10	4.45e-05	-1.84e-05	8.46e-06
20	8	3.16e-04	0.01	-0.09	7.78e-05	-5.28e-06	7.22e-06
20	9	1.69e-03	6.14e-03	-0.10	4.45e-05	-1.84e-05	8.46e-06
20	10	3.16e-04	0.01	-0.09	7.78e-05	-5.28e-06	7.22e-06
20	13	0.02	-1.03e-03	-0.10	5.63e-05	-2.73e-05	2.20e-05
20	22	-0.01	0.04	-0.10	1.21e-04	1.61e-05	-1.16e-05
21	1	2.67e-03	7.44e-03	-0.13	5.16e-05	-3.17e-05	0.0
21	5	1.69e-03	6.41e-03	-0.10	4.67e-05	-2.09e-05	0.0
21	6	3.10e-04	0.01	-0.09	8.04e-05	-7.42e-06	0.0
21	7	1.69e-03	6.41e-03	-0.10	4.67e-05	-2.09e-05	0.0
21	8	3.10e-04	0.01	-0.09	8.04e-05	-7.42e-06	0.0
21	9	1.69e-03	6.41e-03	-0.10	4.67e-05	-2.09e-05	0.0
21	10	3.10e-04	0.01	-0.09	8.04e-05	-7.42e-06	0.0
21	13	0.02	-3.89e-04	-0.10	5.83e-05	-2.96e-05	0.0
21	22	-0.01	0.04	-0.10	1.25e-04	1.44e-05	0.0
22	1	1.91e-03	4.39e-03	-0.13	4.81e-05	1.95e-05	0.0
22	5	1.13e-03	4.15e-03	-0.10	4.16e-05	1.83e-05	0.0
22	6	-1.31e-04	8.72e-03	-0.09	6.64e-05	3.22e-05	0.0
22	7	1.13e-03	4.15e-03	-0.10	4.16e-05	1.83e-05	0.0
22	8	-1.31e-04	8.72e-03	-0.09	6.64e-05	3.22e-05	0.0
22	9	1.13e-03	4.15e-03	-0.10	4.16e-05	1.83e-05	0.0
22	10	-1.31e-04	8.72e-03	-0.09	6.64e-05	3.22e-05	0.0
22	13	0.02	-6.05e-03	-0.09	6.69e-05	5.22e-05	0.0
22	22	-9.87e-03	0.04	-0.08	7.69e-05	4.25e-05	0.0
23	1	1.92e-03	4.68e-03	-0.14	4.90e-05	1.53e-05	1.09e-05
23	5	1.13e-03	4.35e-03	-0.10	4.24e-05	1.53e-05	7.61e-06
23	6	-1.27e-04	8.84e-03	-0.09	6.76e-05	3.00e-05	5.21e-06
23	7	1.13e-03	4.35e-03	-0.10	4.24e-05	1.53e-05	7.61e-06
23	8	-1.27e-04	8.84e-03	-0.09	6.76e-05	3.00e-05	5.21e-06
23	9	1.13e-03	4.35e-03	-0.10	4.24e-05	1.53e-05	7.61e-06
23	10	-1.27e-04	8.84e-03	-0.09	6.76e-05	3.00e-05	5.21e-06
23	13	0.02	-5.54e-03	-0.10	6.73e-05	4.98e-05	1.73e-05
23	22	-9.87e-03	0.04	-0.08	7.96e-05	4.10e-05	-1.39e-05
24	1	1.96e-03	5.34e-03	-0.14	5.47e-05	2.47e-05	0.0
24	5	1.17e-03	4.83e-03	-0.10	4.75e-05	2.33e-05	0.0
24	6	-8.88e-05	9.16e-03	-0.09	7.54e-05	3.94e-05	0.0
24	7	1.17e-03	4.83e-03	-0.10	4.75e-05	2.33e-05	0.0
24	8	-8.88e-05	9.16e-03	-0.09	7.54e-05	3.94e-05	0.0
24	9	1.17e-03	4.83e-03	-0.10	4.75e-05	2.33e-05	0.0
24	10	-8.88e-05	9.16e-03	-0.09	7.54e-05	3.94e-05	0.0
24	13	0.02	-4.41e-03	-0.10	6.96e-05	3.88e-05	0.0
24	22	-9.78e-03	0.04	-0.09	9.75e-05	5.70e-05	0.0
25	1	2.00e-03	5.89e-03	-0.14	5.77e-05	-1.36e-05	0.0
25	5	1.20e-03	5.24e-03	-0.10	5.06e-05	-6.74e-06	0.0
25	6	-5.27e-05	9.45e-03	-0.09	8.07e-05	7.53e-06	0.0
25	7	1.20e-03	5.24e-03	-0.10	5.06e-05	-6.74e-06	0.0
25	8	-5.27e-05	9.45e-03	-0.09	8.07e-05	7.53e-06	0.0
25	9	1.20e-03	5.24e-03	-0.10	5.06e-05	-6.74e-06	0.0
25	10	-5.27e-05	9.45e-03	-0.09	8.07e-05	7.53e-06	0.0
25	13	0.02	-3.43e-03	-0.10	6.92e-05	2.71e-06	0.0
25	22	-9.68e-03	0.04	-0.09	1.12e-04	2.24e-05	0.0
26	1	2.06e-03	6.47e-03	-0.14	5.85e-05	-5.09e-05	0.0
26	5	1.25e-03	5.68e-03	-0.10	5.18e-05	-3.60e-05	0.0
26	6	-1.26e-05	9.79e-03	-0.09	8.39e-05	-2.35e-05	0.0
26	7	1.25e-03	5.68e-03	-0.10	5.18e-05	-3.60e-05	0.0
26	8	-1.26e-05	9.79e-03	-0.09	8.39e-05	-2.35e-05	0.0
26	9	1.25e-03	5.68e-03	-0.10	5.18e-05	-3.60e-05	0.0
26	10	-1.26e-05	9.79e-03	-0.09	8.39e-05	-2.35e-05	0.0
26	13	0.02	-2.36e-03	-0.10	6.60e-05	-3.17e-05	0.0
26	22	-9.59e-03	0.04	-0.09	1.24e-04	-1.14e-05	0.0
27	1	2.12e-03	7.23e-03	-0.13	5.81e-05	-3.28e-05	1.25e-05
27	5	1.29e-03	6.27e-03	-0.10	5.20e-05	-2.22e-05	8.93e-06
27	6	2.50e-05	0.01	-0.09	8.59e-05	-1.08e-05	7.13e-06
27	7	1.29e-03	6.27e-03	-0.10	5.20e-05	-2.22e-05	8.93e-06
27	8	2.50e-05	0.01	-0.09	8.59e-05	-1.08e-05	7.13e-06
27	9	1.29e-03	6.27e-03	-0.10	5.20e-05	-2.22e-05	8.93e-06

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
27	10	2.50e-05	0.01	-0.09	8.59e-05	-1.08e-05	7.13e-06
27	13	0.02	-9.44e-04	-0.10	6.08e-05	-2.99e-05	1.93e-05
27	22	-9.56e-03	0.04	-0.09	1.35e-04	4.80e-06	-1.14e-05
28	1	2.11e-03	7.58e-03	-0.13	5.83e-05	-3.45e-05	0.0
28	5	1.28e-03	6.52e-03	-0.10	5.21e-05	-2.33e-05	0.0
28	6	1.08e-05	0.01	-0.09	8.63e-05	-1.14e-05	0.0
28	7	1.28e-03	6.52e-03	-0.10	5.21e-05	-2.33e-05	0.0
28	8	1.08e-05	0.01	-0.09	8.63e-05	-1.14e-05	0.0
28	9	1.28e-03	6.52e-03	-0.10	5.21e-05	-2.33e-05	0.0
28	10	1.08e-05	0.01	-0.09	8.63e-05	-1.14e-05	0.0
28	13	0.02	-3.53e-04	-0.10	6.00e-05	-3.06e-05	0.0
28	22	-9.57e-03	0.04	-0.09	1.36e-04	4.75e-06	0.0
29	1	1.40e-03	4.37e-03	-0.13	4.91e-05	1.34e-05	0.0
29	5	7.72e-04	4.14e-03	-0.10	4.27e-05	1.32e-05	0.0
29	6	-3.50e-04	8.72e-03	-0.08	6.84e-05	2.54e-05	0.0
29	7	7.72e-04	4.14e-03	-0.10	4.27e-05	1.32e-05	0.0
29	8	-3.50e-04	8.72e-03	-0.08	6.84e-05	2.54e-05	0.0
29	9	7.72e-04	4.14e-03	-0.10	4.27e-05	1.32e-05	0.0
29	10	-3.50e-04	8.72e-03	-0.08	6.84e-05	2.54e-05	0.0
29	13	0.02	-6.19e-03	-0.09	6.35e-05	4.49e-05	0.0
29	22	-9.04e-03	0.04	-0.08	8.40e-05	3.02e-05	0.0
30	1	1.40e-03	4.70e-03	-0.13	5.30e-05	7.13e-06	1.31e-05
30	5	7.77e-04	4.37e-03	-0.10	4.58e-05	8.74e-06	9.27e-06
30	6	-3.46e-04	8.87e-03	-0.08	7.19e-05	2.18e-05	6.88e-06
30	7	7.77e-04	4.37e-03	-0.10	4.58e-05	8.74e-06	9.27e-06
30	8	-3.46e-04	8.87e-03	-0.08	7.19e-05	2.18e-05	6.88e-06
30	9	7.77e-04	4.37e-03	-0.10	4.58e-05	8.74e-06	9.27e-06
30	10	-3.46e-04	8.87e-03	-0.08	7.19e-05	2.18e-05	6.88e-06
30	13	0.02	-5.57e-03	-0.09	6.74e-05	4.07e-05	2.60e-05
30	22	-9.04e-03	0.04	-0.08	8.90e-05	2.74e-05	-1.32e-05
31	1	1.44e-03	5.40e-03	-0.13	8.48e-05	1.20e-05	0.0
31	5	8.02e-04	4.88e-03	-0.10	7.14e-05	1.28e-05	0.0
31	6	-3.24e-04	9.21e-03	-0.09	1.01e-04	2.66e-05	0.0
31	7	8.02e-04	4.88e-03	-0.10	7.14e-05	1.28e-05	0.0
31	8	-3.24e-04	9.21e-03	-0.09	1.01e-04	2.66e-05	0.0
31	9	8.02e-04	4.88e-03	-0.10	7.14e-05	1.28e-05	0.0
31	10	-3.24e-04	9.21e-03	-0.09	1.01e-04	2.66e-05	0.0
31	13	0.02	-4.33e-03	-0.10	9.40e-05	3.04e-05	0.0
31	22	-8.98e-03	0.04	-0.08	1.29e-04	3.62e-05	0.0
32	1	1.47e-03	5.97e-03	-0.13	9.95e-05	-1.60e-05	0.0
32	5	8.28e-04	5.30e-03	-0.10	8.36e-05	-9.19e-06	0.0
32	6	-3.05e-04	9.51e-03	-0.09	1.16e-04	3.34e-06	0.0
32	7	8.28e-04	5.30e-03	-0.10	8.36e-05	-9.19e-06	0.0
32	8	-3.05e-04	9.51e-03	-0.09	1.16e-04	3.34e-06	0.0
32	9	8.28e-04	5.30e-03	-0.10	8.36e-05	-9.19e-06	0.0
32	10	-3.05e-04	9.51e-03	-0.09	1.16e-04	3.34e-06	0.0
32	13	0.02	-3.34e-03	-0.10	1.03e-04	3.86e-06	0.0
32	22	-8.92e-03	0.04	-0.08	1.54e-04	1.06e-05	0.0
33	1	1.50e-03	6.55e-03	-0.13	9.20e-05	-4.27e-05	0.0
33	5	8.52e-04	5.74e-03	-0.10	7.83e-05	-3.00e-05	0.0
33	6	-2.91e-04	9.86e-03	-0.09	1.12e-04	-1.86e-05	0.0
33	7	8.52e-04	5.74e-03	-0.10	7.83e-05	-3.00e-05	0.0
33	8	-2.91e-04	9.86e-03	-0.09	1.12e-04	-1.86e-05	0.0
33	9	8.52e-04	5.74e-03	-0.10	7.83e-05	-3.00e-05	0.0
33	10	-2.91e-04	9.86e-03	-0.09	1.12e-04	-1.86e-05	0.0
33	13	0.02	-2.28e-03	-0.10	9.25e-05	-2.17e-05	0.0
33	22	-8.87e-03	0.04	-0.08	1.57e-04	-1.26e-05	0.0
34	1	1.53e-03	7.40e-03	-0.13	6.82e-05	-3.05e-05	1.24e-05
...							
1523	26	-0.03	-0.04	7.15e-03	5.12e-05	-5.01e-05	4.53e-05
Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-0.09	-0.11	-0.18	-4.86e-04	-5.29e-04	-2.98e-04
		0.07	0.09	0.01	5.35e-04	3.75e-04	3.01e-04

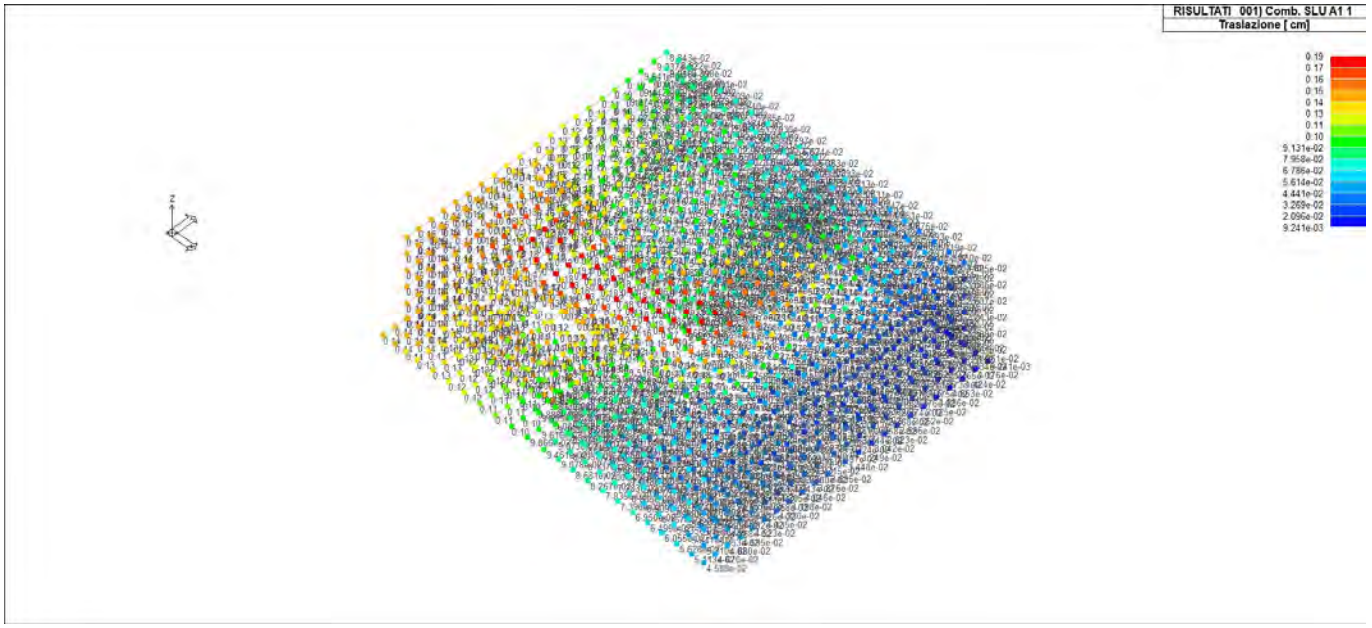


Figura 26 - RIS_SPOSTAMENTI_001_Comb SLU A1 1

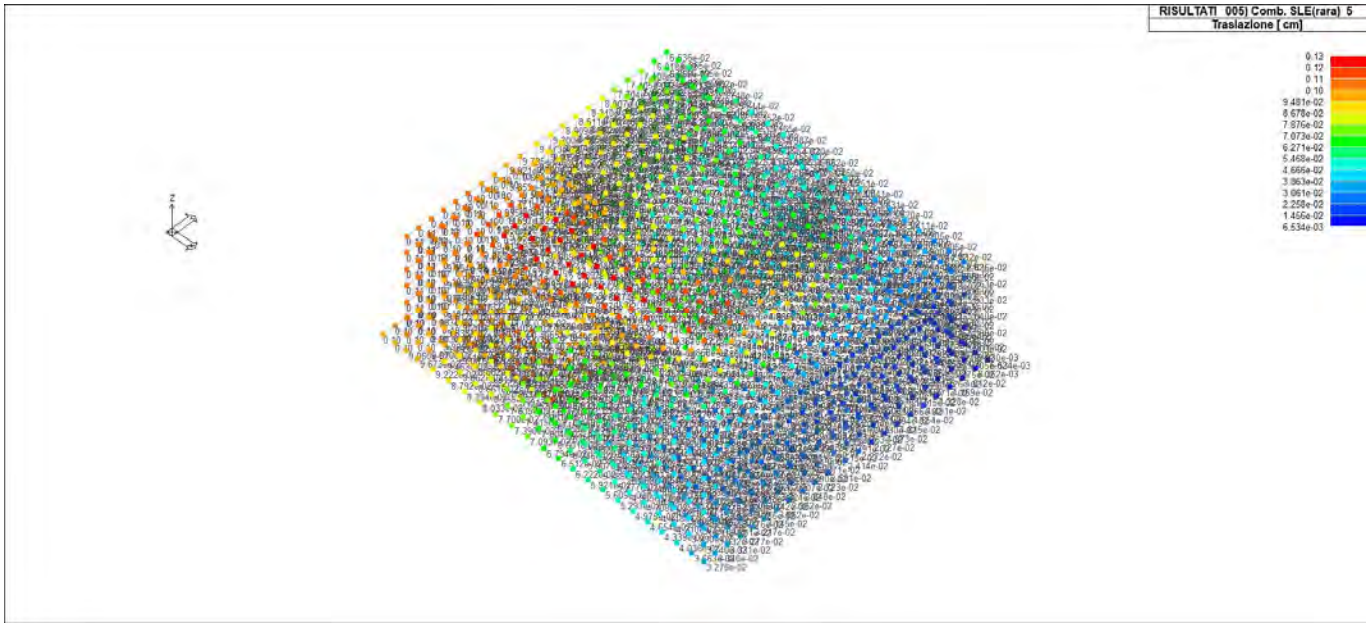


Figura 27 - RIS_SPOSTAMENTI_005_Comb SLErara 5

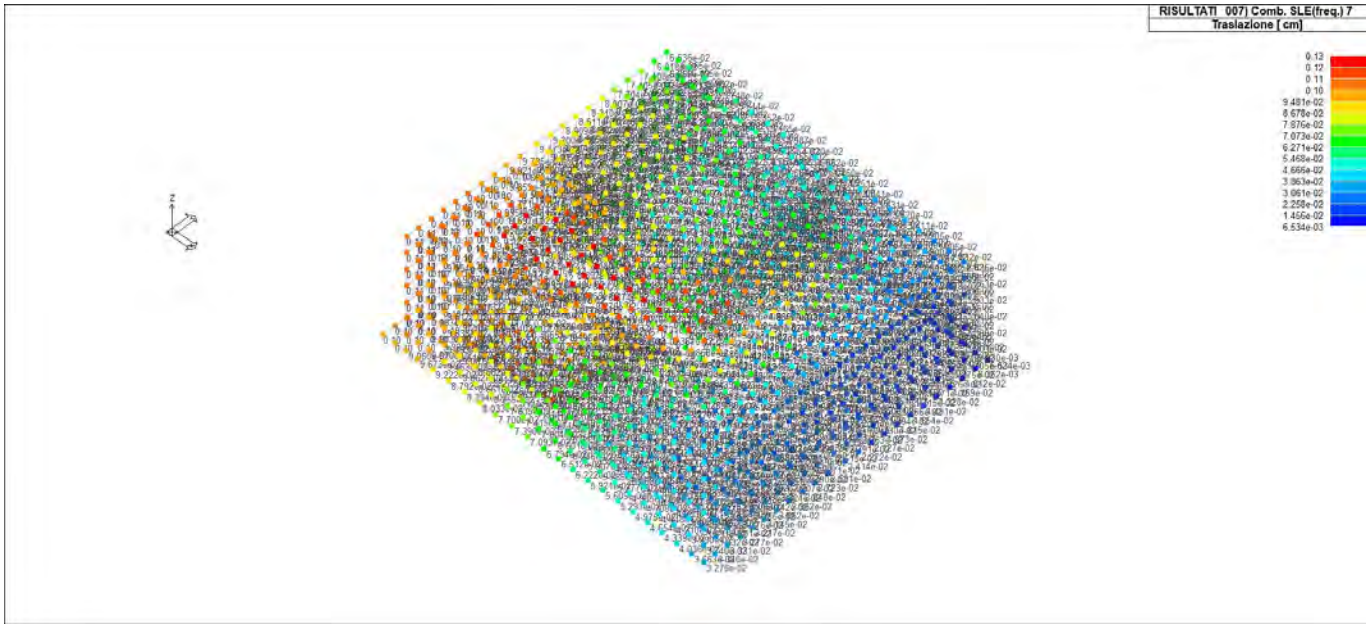


Figura 28 - RIS_SPOSTAMENTI_007_Comb SLEfreq 7

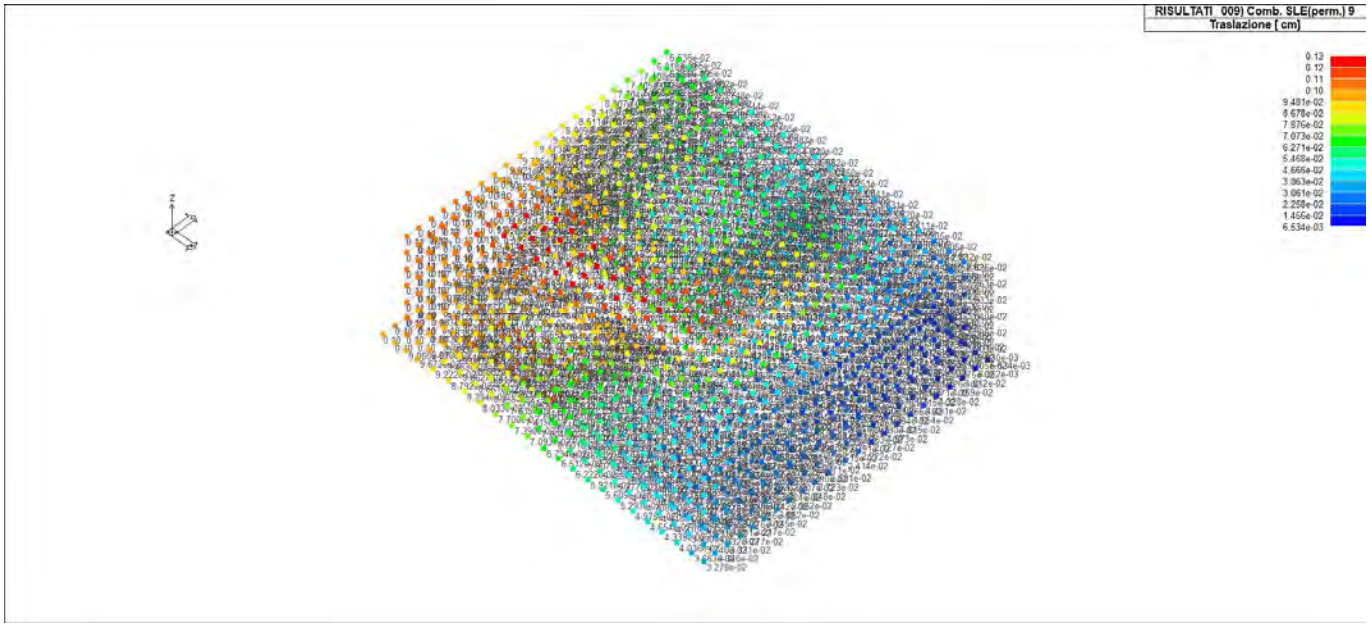


Figura 29 - RIS_SPOSTAMENTI_009_Comb SLEperm 9

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

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

12 RISULTATI OPERE DI FONDAZIONE

12.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

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

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

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

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

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

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

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-1.41	-1.05	-1.05	-1.05							
2	-1.42	-1.06	-1.06	-1.06							
3	-0.69	-0.52	-0.52	-0.52							
4	-0.48	-0.36	-0.36	-0.36							
5	-0.49	-0.37	-0.37	-0.37							
6	-0.70	-0.53	-0.53	-0.53							
7	-0.70	-0.53	-0.53	-0.53							
8	-1.41	-1.05	-1.05	-1.05							
9	-1.42	-1.05	-1.05	-1.05							
10	-0.69	-0.52	-0.52	-0.52							
11	-0.47	-0.36	-0.36	-0.36							
12	-0.49	-0.37	-0.37	-0.37							
13	-0.70	-0.52	-0.52	-0.52							
14	-0.69	-0.52	-0.52	-0.52							
15	-0.79	-0.58	-0.58	-0.58							
16	-0.79	-0.59	-0.59	-0.59							
17	-0.43	-0.32	-0.32	-0.32							
18	-0.33	-0.24	-0.24	-0.24							
19	-0.35	-0.26	-0.26	-0.26							
20	-0.47	-0.35	-0.35	-0.35							
21	-0.47	-0.35	-0.35	-0.35							
22	-0.58	-0.43	-0.43	-0.43							
23	-0.58	-0.43	-0.43	-0.43							
24	-0.35	-0.26	-0.26	-0.26							
25	-0.27	-0.20	-0.20	-0.20							
26	-0.29	-0.22	-0.22	-0.22							
27	-0.39	-0.29	-0.29	-0.29							
28	-0.38	-0.29	-0.29	-0.29							
29	-0.76	-0.56	-0.56	-0.56							
30	-0.77	-0.56	-0.56	-0.56							
31	-0.41	-0.31	-0.31	-0.31							
32	-0.31	-0.23	-0.23	-0.23							
33	-0.33	-0.25	-0.25	-0.25							
34	-0.45	-0.34	-0.34	-0.34							
35	-0.45	-0.33	-0.33	-0.33							
36	-1.26	-0.93	-0.93	-0.93							
37	-1.27	-0.93	-0.93	-0.93							
38	-0.63	-0.46	-0.46	-0.46							
39	-0.43	-0.32	-0.32	-0.32							
40	-0.44	-0.33	-0.33	-0.33							
41	-0.63	-0.46	-0.46	-0.46							
42	-0.62	-0.46	-0.46	-0.46							
43	-1.24	-0.91	-0.91	-0.91							
44	-1.25	-0.91	-0.91	-0.91							
45	-0.62	-0.45	-0.45	-0.45							
46	-0.42	-0.31	-0.31	-0.31							
47	-0.43	-0.32	-0.32	-0.32							
48	-0.62	-0.45	-0.45	-0.45							
49	-0.61	-0.45	-0.45	-0.45							
66	-1.67	-1.23	-1.23	-1.23							
67	-1.67	-1.23	-1.23	-1.23							
68	-1.53	-1.12	-1.12	-1.12							
69	-1.43	-1.04	-1.04	-1.04							
70	-1.33	-0.97	-0.97	-0.97							
71	-1.20	-0.87	-0.87	-0.87							
72	-1.15	-0.84	-0.84	-0.84							
73	-1.12	-0.81	-0.81	-0.81							
74	-1.17	-0.84	-0.84	-0.84							
75	-1.29	-0.93	-0.93	-0.93							

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
76	-1.34	-0.97	-0.97	-0.97							
77	-1.41	-1.01	-1.01	-1.01							
78	-1.45	-1.04	-1.04	-1.04							
79	-1.45	-1.04	-1.04	-1.04							
80	-1.48	-1.06	-1.06	-1.06							
81	-1.52	-1.09	-1.09	-1.09							
82	-1.50	-1.07	-1.07	-1.07							
83	-1.47	-1.06	-1.06	-1.06							
84	-1.49	-1.07	-1.07	-1.07							
85	-1.48	-1.06	-1.06	-1.06							
86	-1.02	-1.02	-1.02	-1.42							
87	-1.18	-1.18	-1.18	-1.71							
88	-1.07	-1.07	-1.07	-1.60							
89	-1.70	-1.25	-1.25	-1.25							
90	-1.71	-1.26	-1.26	-1.26							
91	-1.56	-1.14	-1.14	-1.14							
92	-1.45	-1.07	-1.07	-1.07							
93	-1.35	-0.99	-0.99	-0.99							
94	-1.23	-0.90	-0.90	-0.90							
95	-1.18	-0.86	-0.86	-0.86							
96	-1.14	-0.83	-0.83	-0.83							
97	-1.17	-0.85	-0.85	-0.85							
98	-1.28	-0.93	-0.93	-0.93							
99	-1.31	-0.95	-0.95	-0.95							
100	-1.35	-0.98	-0.98	-0.98							
101	-1.37	-1.00	-1.00	-1.00							
102	-1.36	-0.98	-0.98	-0.98							
103	-1.38	-1.00	-1.00	-1.00							
104	-1.41	-1.02	-1.02	-1.02							
105	-1.39	-1.01	-1.01	-1.01							
106	-1.38	-1.00	-1.00	-1.00							
107	-1.41	-1.02	-1.02	-1.02							
108	-1.43	-1.03	-1.03	-1.03							
109	-1.39	-1.01	-1.01	-1.01							
110	-1.20	-1.20	-1.20	-1.71							
111	-1.09	-1.09	-1.09	-1.60							
112	-1.62	-1.19	-1.19	-1.19							
113	-1.63	-1.19	-1.19	-1.19							
114	-1.43	-1.05	-1.05	-1.05							
115	-1.32	-0.97	-0.97	-0.97							
116	-1.20	-0.89	-0.89	-0.89							
117	-1.02	-0.75	-0.75	-0.75							
118	-0.98	-0.72	-0.72	-0.72							
119	-1.02	-0.76	-0.76	-0.76							
120	-1.08	-0.80	-0.80	-0.80							
121	-1.14	-0.84	-0.84	-0.84							
122	-1.12	-0.83	-0.83	-0.83							
123	-1.10	-0.81	-0.81	-0.81							
124	-1.14	-0.84	-0.84	-0.84							
125	-1.15	-0.85	-0.85	-0.85							
126	-1.12	-0.83	-0.83	-0.83							
127	-1.10	-0.81	-0.81	-0.81							
128	-1.14	-0.84	-0.84	-0.84							
129	-1.19	-0.88	-0.88	-0.88							
130	-1.23	-0.90	-0.90	-0.90							
131	-1.27	-0.93	-0.93	-0.93							
132	-1.27	-0.93	-0.93	-0.93							
133	-1.16	-1.16	-1.16	-1.62							
134	-1.08	-1.08	-1.08	-1.56							
135	-1.45	-1.06	-1.06	-1.06							
136	-1.45	-1.07	-1.07	-1.07							
137	-1.23	-0.90	-0.90	-0.90							
138	-1.10	-0.81	-0.81	-0.81							
139	-0.98	-0.73	-0.73	-0.73							
140	-0.91	-0.67	-0.67	-0.67							
141	-0.97	-0.72	-0.72	-0.72							
142	-0.97	-0.73	-0.73	-0.73							

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
143	-0.99	-0.74	-0.74	-0.74							
144	-1.02	-0.76	-0.76	-0.76							
145	-0.97	-0.73	-0.73	-0.73							
146	-0.91	-0.69	-0.69	-0.69							
147	-0.94	-0.71	-0.71	-0.71							
148	-0.96	-0.72	-0.72	-0.72							
149	-0.95	-0.71	-0.71	-0.71							
150	-0.93	-0.70	-0.70	-0.70							
151	-0.95	-0.71	-0.71	-0.71							
152	-0.99	-0.74	-0.74	-0.74							
153	-1.01	-0.75	-0.75	-0.75							
154	-1.06	-0.78	-0.78	-0.78							
155	-1.12	-0.82	-0.82	-0.82							
156	-1.55	-1.12	-1.12	-1.12							
157	-1.06	-1.06	-1.06	-1.49							
158	-1.28	-0.94	-0.94	-0.94							
159	-1.29	-0.95	-0.95	-0.95							
160	-1.11	-0.82	-0.82	-0.82							
161	-1.03	-0.76	-0.76	-0.76							
162	-0.90	-0.67	-0.67	-0.67							
163	-0.88	-0.65	-0.65	-0.65							
164	-1.02	-0.76	-0.76	-0.76							
165	-1.03	-0.77	-0.77	-0.77							
166	-0.95	-0.72	-0.72	-0.72							
167	-0.90	-0.68	-0.68	-0.68							
168	-0.87	-0.66	-0.66	-0.66							
169	-0.86	-0.65	-0.65	-0.65							
170	-0.85	-0.64	-0.64	-0.64							
171	-0.82	-0.63	-0.63	-0.63							
172	-0.82	-0.62	-0.62	-0.62							
173	-0.79	-0.60	-0.60	-0.60							
174	-0.78	-0.59	-0.59	-0.59							
175	-0.79	-0.60	-0.60	-0.60							
176	-0.82	-0.62	-0.62	-0.62							
177	-0.90	-0.67	-0.67	-0.67							
178	-1.08	-0.79	-0.79	-0.79							
179	-1.21	-0.87	-0.87	-0.87							
180	-1.18	-0.84	-0.84	-0.84							
181	-1.07	-0.78	-0.78	-0.78							
182	-1.09	-0.80	-0.80	-0.80							
183	-1.00	-0.74	-0.74	-0.74							
184	-0.96	-0.71	-0.71	-0.71							
185	-0.55	-0.41	-0.41	-0.41							
186	-0.35	-0.26	-0.26	-0.26							
187	-0.37	-0.28	-0.28	-0.28							
188	-0.58	-0.44	-0.44	-0.44							
189	-0.95	-0.72	-0.72	-0.72							
190	-0.86	-0.65	-0.65	-0.65							
191	-0.79	-0.60	-0.60	-0.60							
192	-0.79	-0.60	-0.60	-0.60							
193	-0.77	-0.59	-0.59	-0.59							
194	-0.72	-0.55	-0.55	-0.55							
195	-0.68	-0.52	-0.52	-0.52							
196	-0.65	-0.50	-0.50	-0.50							
197	-0.64	-0.50	-0.50	-0.50							
198	-0.65	-0.50	-0.50	-0.50							
199	-0.73	-0.56	-0.56	-0.56							
200	-0.86	-0.64	-0.64	-0.64							
201	-1.04	-0.76	-0.76	-0.76							
202	-1.16	-0.84	-0.84	-0.84							
203	-1.15	-0.82	-0.82	-0.82							
204	-0.89	-0.66	-0.66	-0.66							
205	-0.56	-0.42	-0.42	-0.42							
206	-0.27	-0.20	-0.20	-0.20							
207	-0.18	-0.13	-0.13	-0.13							
208	-0.16	-0.12	-0.12	-0.12							
209	-0.27	-0.20	-0.20	-0.20							

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
210	-0.67	-0.50	-0.50	-0.50							
211	-0.97	-0.71	-0.71	-0.71							
212	-0.99	-0.73	-0.73	-0.73							
213	-0.89	-0.68	-0.68	-0.68							
214	-0.81	-0.62	-0.62	-0.62							
215	-0.74	-0.57	-0.57	-0.57							
216	-0.72	-0.55	-0.55	-0.55							
217	-0.67	-0.52	-0.52	-0.52							
218	-0.60	-0.47	-0.47	-0.47							
219	-0.58	-0.45	-0.45	-0.45							
220	-0.60	-0.47	-0.47	-0.47							
221	-0.63	-0.49	-0.49	-0.49							
222	-0.71	-0.55	-0.55	-0.55							
223	-0.82	-0.62	-0.62	-0.62							
224	-0.98	-0.72	-0.72	-0.72							
225	-1.11	-0.80	-0.80	-0.80							
226	-1.12	-0.79	-0.79	-0.79							
227	-0.90	-0.66	-0.66	-0.66							
228	-0.92	-0.67	-0.67	-0.67							
229	-0.61	-0.45	-0.45	-0.45							
230	-0.30	-0.23	-0.23	-0.23							
231	-0.17	-0.13	-0.13	-0.13							
232	-0.43	-0.32	-0.32	-0.32							
233	-0.90	-0.67	-0.67	-0.67							
234	-0.83	-0.63	-0.63	-0.63							
235	-0.77	-0.58	-0.58	-0.58							
236	-0.73	-0.56	-0.56	-0.56							
237	-0.67	-0.51	-0.51	-0.51							
238	-0.63	-0.49	-0.49	-0.49							
239	-0.61	-0.47	-0.47	-0.47							
240	-0.62	-0.48	-0.48	-0.48							
241	-0.62	-0.48	-0.48	-0.48							
242	-0.67	-0.52	-0.52	-0.52							
243	-0.78	-0.59	-0.59	-0.59							
244	-0.93	-0.69	-0.69	-0.69							
245	-1.08	-0.78	-0.78	-0.78							
246	-1.09	-0.77	-0.77	-0.77							
247	-0.81	-0.59	-0.59	-0.59							
248	-0.83	-0.61	-0.61	-0.61							
249	-0.46	-0.34	-0.34	-0.34							
250	-0.24	-0.18	-0.18	-0.18							
251	-0.14	-0.10	-0.10	-0.10							
252	-0.35	-0.26	-0.26	-0.26							
253	-0.83	-0.62	-0.62	-0.62							
254	-0.80	-0.60	-0.60	-0.60							
255	-0.80	-0.60	-0.60	-0.60							
256	-0.77	-0.58	-0.58	-0.58							
257	-0.69	-0.53	-0.53	-0.53							
258	-0.65	-0.50	-0.50	-0.50							
259	-0.61	-0.47	-0.47	-0.47							
260	-0.62	-0.48	-0.48	-0.48							
261	-0.61	-0.48	-0.48	-0.48							
262	-0.65	-0.51	-0.51	-0.51							
263	-0.75	-0.57	-0.57	-0.57							
264	-0.91	-0.67	-0.67	-0.67							
265	-1.05	-0.76	-0.76	-0.76							
266	-1.06	-0.75	-0.75	-0.75							
267	-0.88	-0.65	-0.65	-0.65							
268	-0.90	-0.66	-0.66	-0.66							
269	-0.60	-0.44	-0.44	-0.44							
270	-0.30	-0.22	-0.22	-0.22							
271	-0.16	-0.12	-0.12	-0.12							
272	-0.42	-0.31	-0.31	-0.31							
273	-0.91	-0.67	-0.67	-0.67							
274	-0.88	-0.66	-0.66	-0.66							
275	-0.85	-0.63	-0.63	-0.63							
276	-0.82	-0.61	-0.61	-0.61							

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
277	-0.73	-0.56	-0.56	-0.56							
278	-0.67	-0.52	-0.52	-0.52							
279	-0.63	-0.49	-0.49	-0.49							
280	-0.62	-0.48	-0.48	-0.48							
281	-0.62	-0.48	-0.48	-0.48							
282	-0.66	-0.51	-0.51	-0.51							
283	-0.75	-0.57	-0.57	-0.57							
284	-0.89	-0.66	-0.66	-0.66							
285	-1.02	-0.74	-0.74	-0.74							
286	-1.03	-0.73	-0.73	-0.73							
287	-0.92	-0.67	-0.67	-0.67							
288	-0.93	-0.68	-0.68	-0.68							
289	-0.90	-0.66	-0.66	-0.66							
290	-0.95	-0.70	-0.70	-0.70							
291	-0.92	-0.68	-0.68	-0.68							
292	-0.87	-0.65	-0.65	-0.65							
293	-0.78	-0.58	-0.58	-0.58							
294	-0.67	-0.51	-0.51	-0.51							
295	-0.60	-0.46	-0.46	-0.46							
296	-0.59	-0.46	-0.46	-0.46							
297	-0.60	-0.47	-0.47	-0.47							
298	-0.66	-0.51	-0.51	-0.51							
299	-0.74	-0.56	-0.56	-0.56							
300	-0.86	-0.64	-0.64	-0.64							
301	-1.01	-0.72	-0.72	-0.72							
302	-1.01	-0.71	-0.71	-0.71							
303	-0.83	-0.61	-0.61	-0.61							
304	-0.54	-0.40	-0.40	-0.40							
305	-0.29	-0.21	-0.21	-0.21							
306	-0.19	-0.14	-0.14	-0.14							
307	-0.17	-0.12	-0.12	-0.12							
308	-0.27	-0.20	-0.20	-0.20							
309	-0.62	-0.46	-0.46	-0.46							
310	-0.94	-0.69	-0.69	-0.69							
311	-0.94	-0.69	-0.69	-0.69							
312	-0.89	-0.65	-0.65	-0.65							
313	-0.89	-0.65	-0.65	-0.65							
314	-0.70	-0.52	-0.52	-0.52							
...											
585	-0.19	-0.19	-0.19	-0.69							
Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	-1.71										
	-0.10										

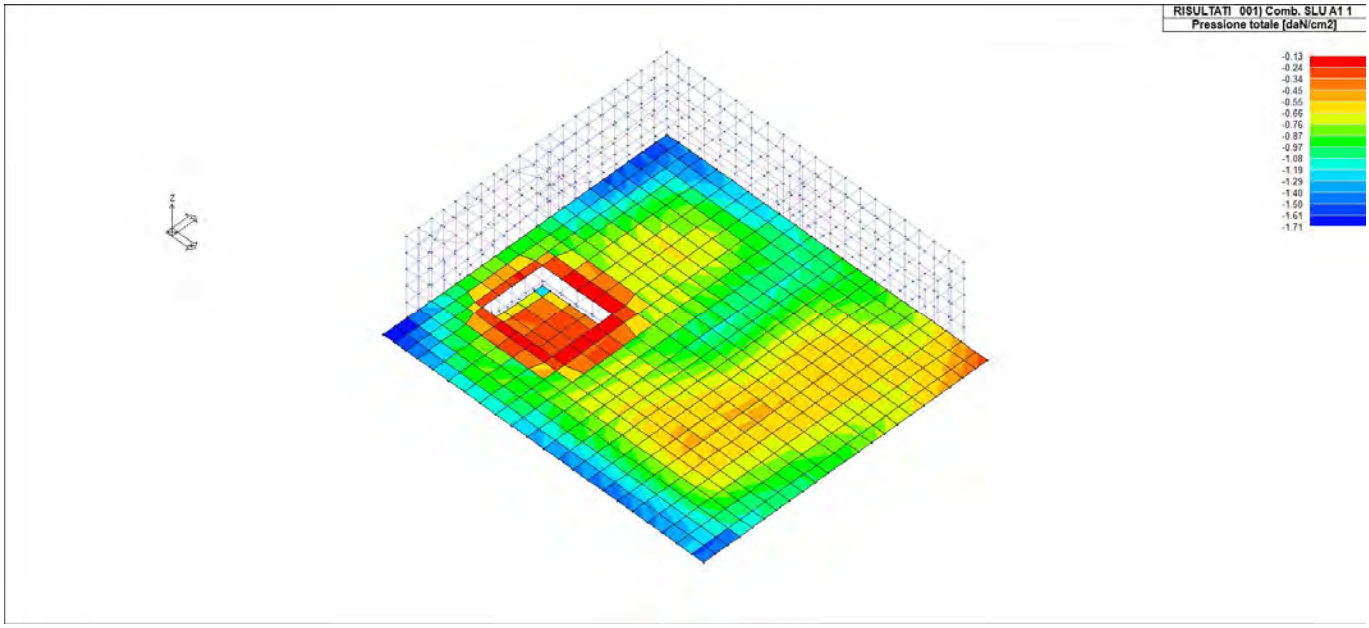


Figura 30 - RIS_PRESSIONI_001_Comb SLU A1 1

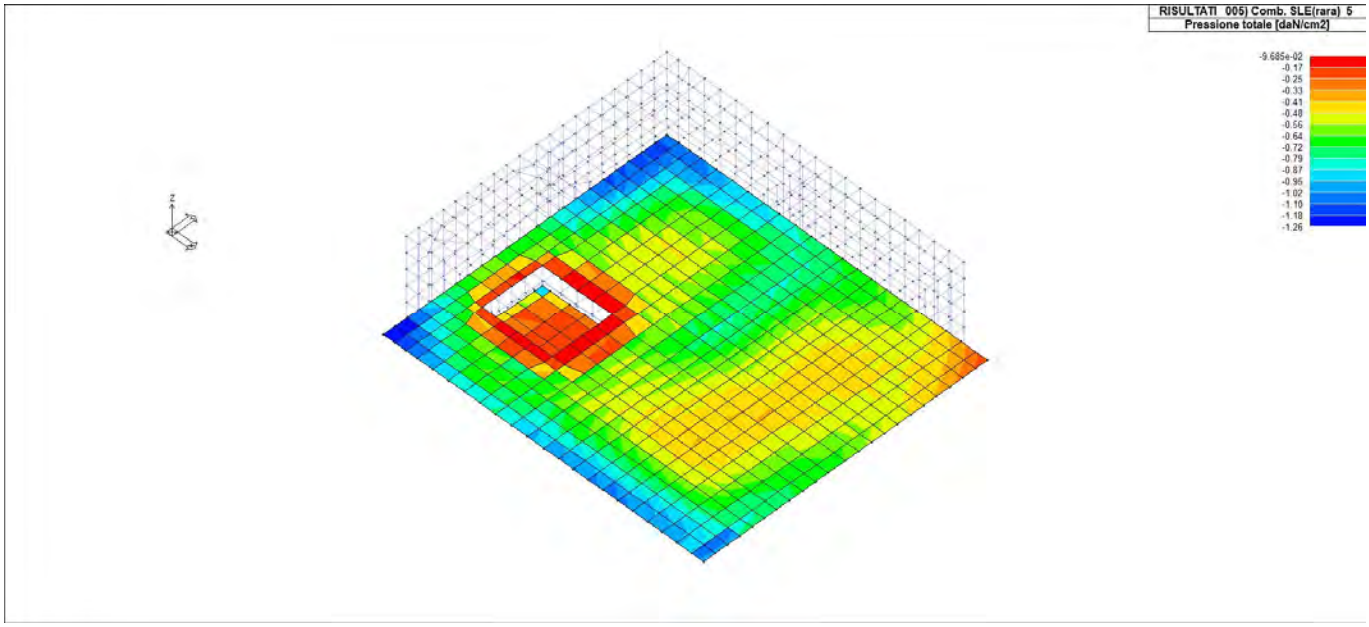


Figura 31 - RIS_PRESSIONI_005_Comb SLErara 5

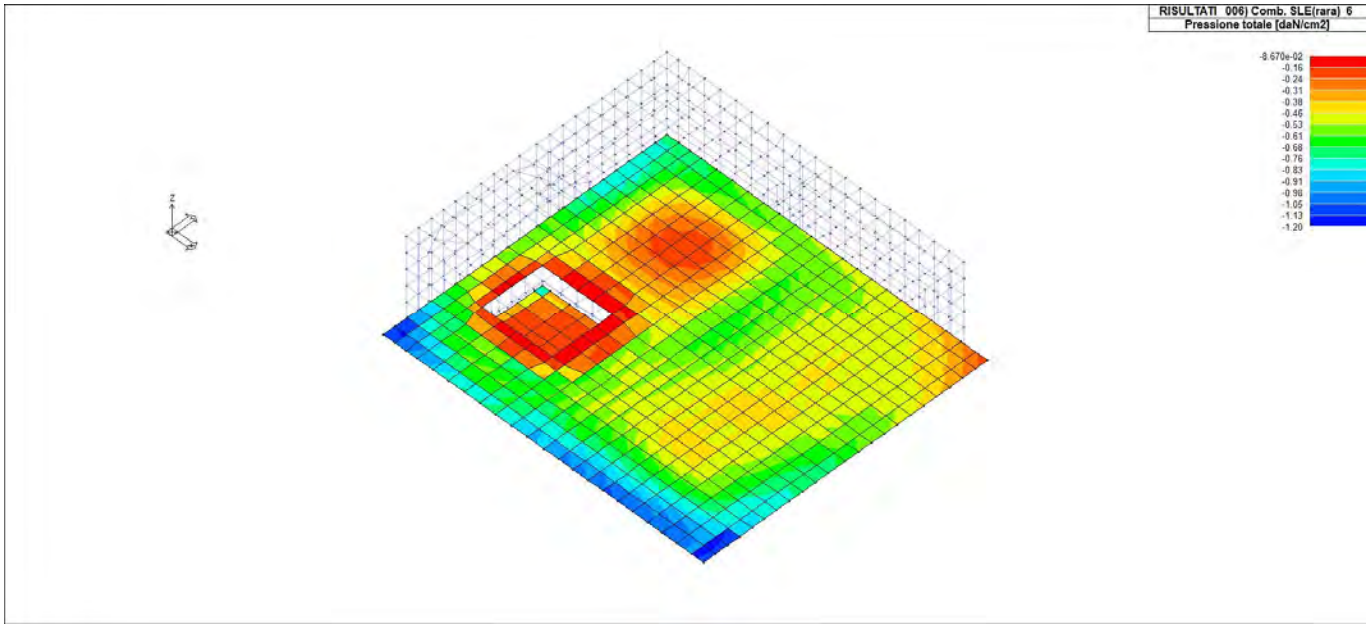


Figura 32 - RIS_PRESSIONI_006_Comb SLErara 6

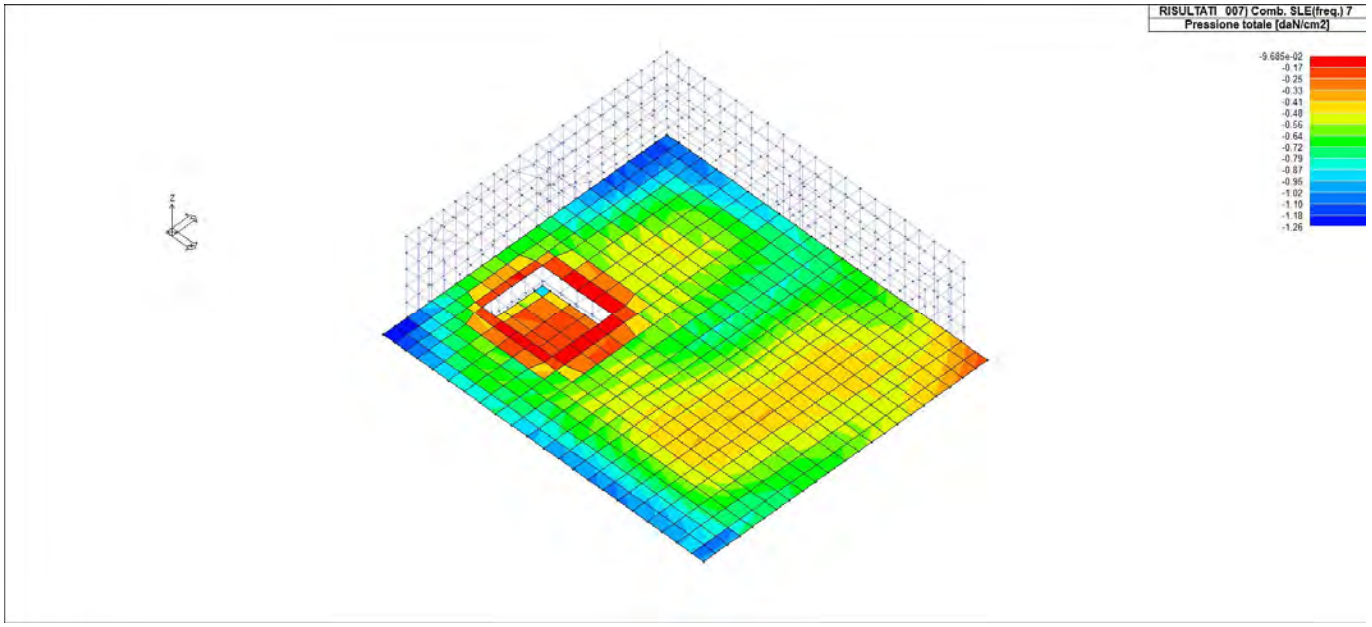


Figura 33 - RIS_PRESSIONI_007_Comb SLEfreq 7

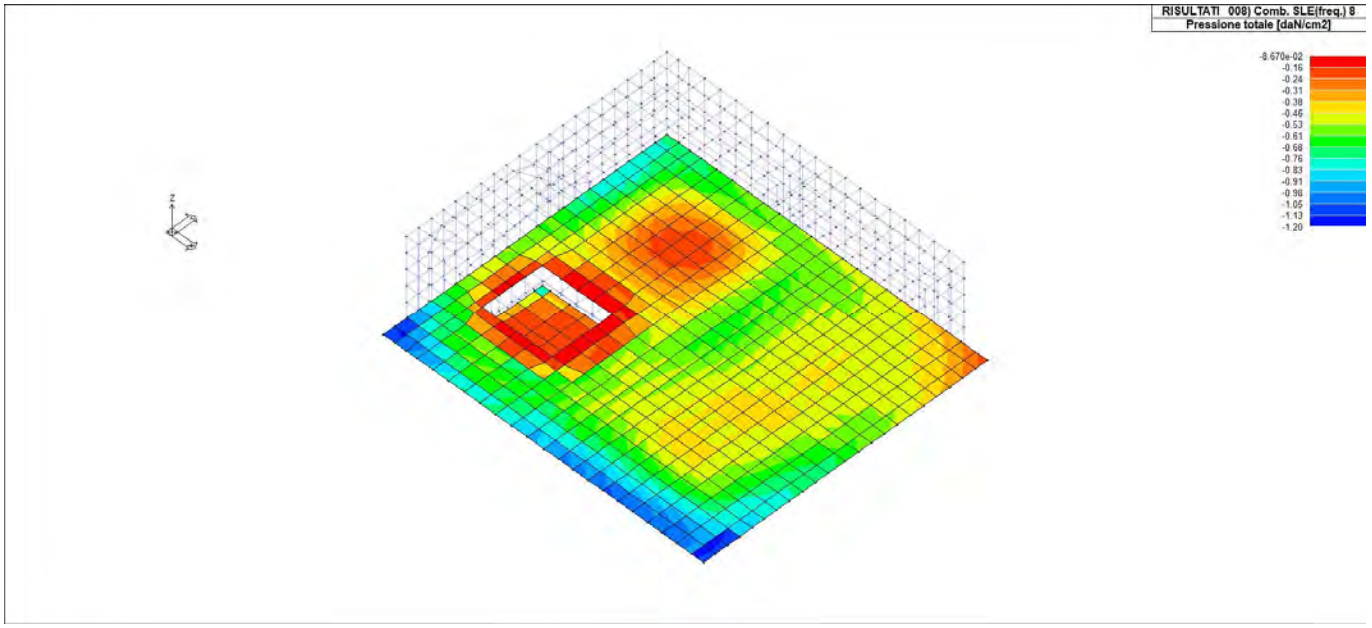


Figura 34 - RIS_PRESSIONI_008_Comb SLEfreq 8

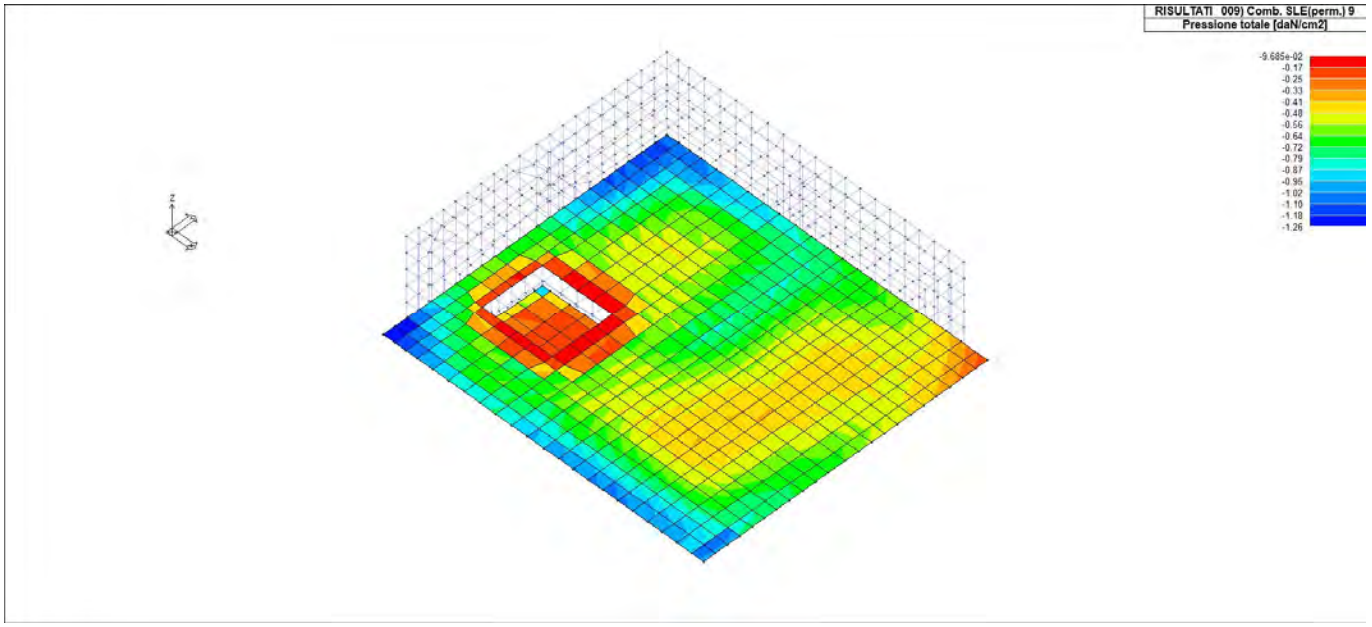


Figura 35 - RIS_PRESSIONI_009_Comb SLEperm 9

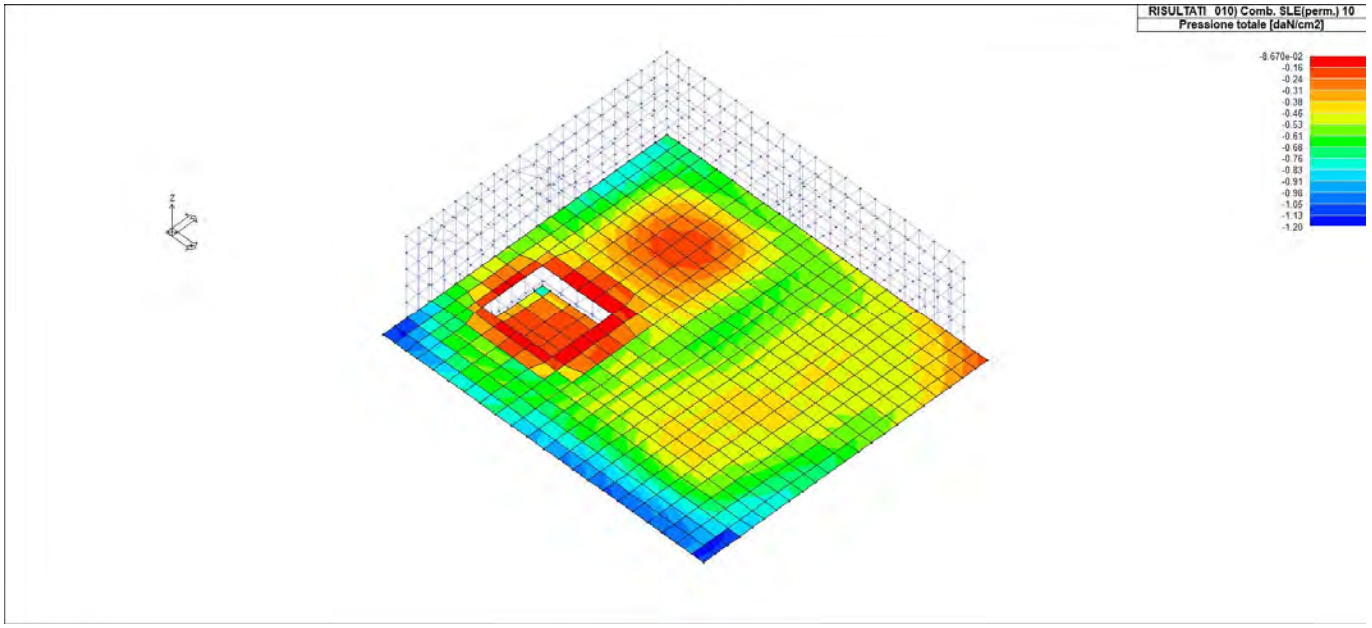


Figura 36 - RIS_PRESSIONI_010_Comb SLEperm 10

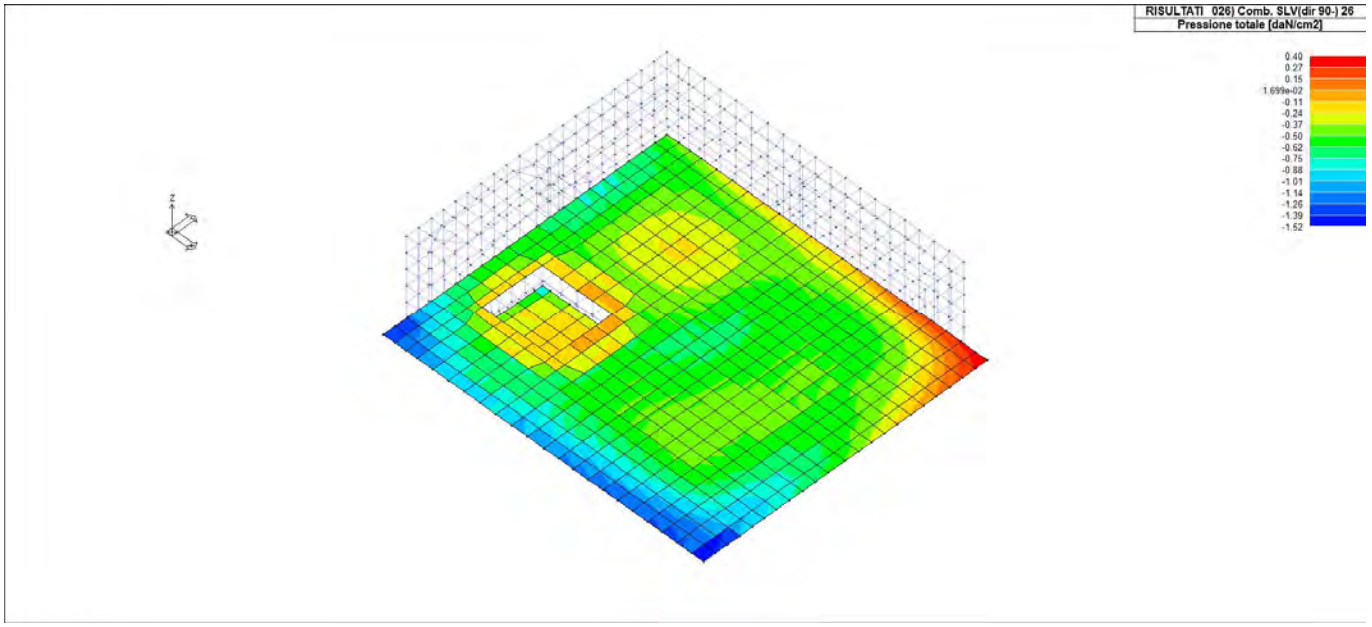


Figura 37 - RIS_PRESSIONI_026_Comb SLVdir 90- 26

13 RISULTATI ELEMENTI TIPO SHELL

13.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.
Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.

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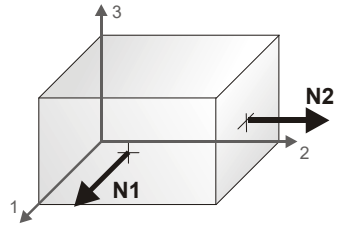
<td> 
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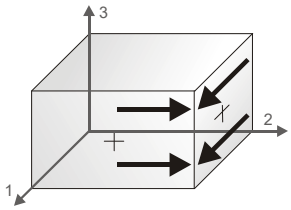
<td> 
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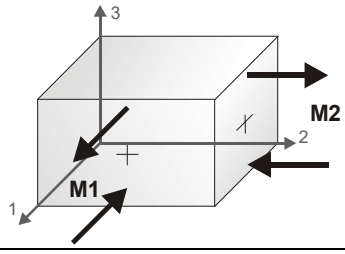
<td> 
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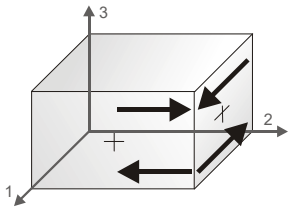
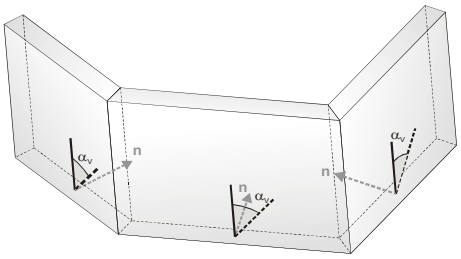
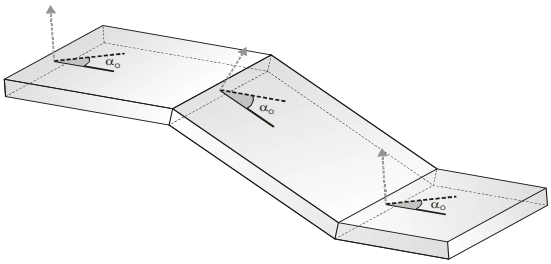
<td>Azione M</td>
<td> 
</td>
<td>Azione M 1-2</td>
</tr>
<tr>
<td>orientamento per stampa setti
 
</td>
<td colspan="2">orientamento per stampa gusci
  </td>
</tr>
</table>

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

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

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al

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

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

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

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

Macro	Tipo	Angolo 1-Z (gradi)
2	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
2	2	-485.00	4260.98	-246.34	-4664.88	1.133e+05	2.223e+05	-1.559e+04
2	2	-425.00	3255.39	-783.78	-4664.88	2.134e+05	-4.735e+04	-2.292e+04
2	2	-365.00	4607.74	-1809.74	-8274.06	2.797e+05	-5.515e+05	3.353e+04
2	5	-485.00	2884.24	118.58	-3383.32	1.008e+05	1.662e+05	-7901.74
2	5	-425.00	2255.08	-336.96	-3383.32	1.892e+05	-3.062e+04	-9716.31
2	5	-365.00	3387.71	-1632.50	-6059.40	2.235e+05	-3.995e+05	2.926e+04
2	6	-485.00	3500.09	-743.47	-3709.00	8.218e+04	1.725e+05	-1.274e+04
2	6	-425.00	2643.64	-1127.50	-3709.00	1.354e+05	-4.171e+04	-1.904e+04
2	6	-365.00	3551.64	-1563.09	-6543.23	1.755e+05	-4.417e+05	2.295e+04
2	7	-485.00	2884.24	118.58	-3383.32	1.008e+05	1.662e+05	-7901.74
2	7	-425.00	2255.08	-336.96	-3383.32	1.892e+05	-3.062e+04	-9716.31
2	7	-365.00	3387.71	-1632.50	-6059.40	2.235e+05	-3.995e+05	2.926e+04
2	8	-485.00	3500.09	-743.47	-3709.00	8.218e+04	1.725e+05	-1.274e+04
2	8	-425.00	2643.64	-1127.50	-3709.00	1.354e+05	-4.171e+04	-1.904e+04
2	8	-365.00	3551.64	-1563.09	-6543.23	1.755e+05	-4.417e+05	2.295e+04
2	9	-485.00	2884.24	118.58	-3383.32	1.008e+05	1.662e+05	-7901.74
2	9	-425.00	2255.08	-336.96	-3383.32	1.892e+05	-3.062e+04	-9716.31
2	9	-365.00	3387.71	-1632.50	-6059.40	2.235e+05	-3.995e+05	2.926e+04
2	10	-485.00	3500.09	-743.47	-3709.00	8.218e+04	1.725e+05	-1.274e+04
2	10	-425.00	2643.64	-1127.50	-3709.00	1.354e+05	-4.171e+04	-1.904e+04
2	10	-365.00	3551.64	-1563.09	-6543.23	1.755e+05	-4.417e+05	2.295e+04
2	11	-485.00	3127.20	-865.95	-4066.45	8.925e+04	1.743e+05	-8636.61
2	11	-425.00	1073.92	-1402.27	-4066.45	1.720e+05	-3.684e+04	-9366.68
2	11	-365.00	2967.94	-2737.13	-8450.79	1.723e+05	-5.681e+05	1.785e+04
2	20	-485.00	3059.62	-4696.91	-1250.03	4.153e+04	1.011e+05	-3.040e+04
2	20	-425.00	2059.65	-5050.43	-1250.03	-6.577e+04	6.470e+04	-4.813e+04
2	20	-365.00	2452.90	-3220.41	-8722.82	-1.490e+05	-5.212e+05	-4112.30
2	22	-485.00	2870.70	-4457.48	-767.54	4.433e+04	9.115e+04	-3.252e+04
2	22	-425.00	2412.97	-4653.17	-767.54	-7.137e+04	7.808e+04	-5.241e+04
2	22	-365.00	2461.11	-2393.15	-7969.56	-1.520e+05	-4.633e+05	-2907.63

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			1073.92	-5050.43	-8722.82	-1.520e+05	-5.681e+05	-5.241e+04
			4607.74	118.58	-767.54	2.797e+05	2.223e+05	3.353e+04

Macro	Tipo	Angolo 1-Z (gradi)
3	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	5	-485.00	1032.51	-386.62	-1779.72	-5275.27	1.237e+05	8965.42
3	5	-425.00	1751.94	-527.07	-1779.72	-4.832e+04	1.480e+04	1.462e+04
3	5	-365.00	2934.59	-987.13	-3212.52	-7.668e+04	-1.711e+05	1.637e+04
3	6	-485.00	2009.53	-117.80	-1931.89	-6288.71	1.238e+05	1.313e+04
3	6	-425.00	2662.99	-362.30	-1931.89	-1.083e+05	6492.81	1.949e+04
3	6	-365.00	3766.40	-1717.87	-3435.87	-1.919e+05	-1.947e+05	2.624e+04
3	7	-485.00	1032.51	-386.62	-1779.72	-5275.27	1.237e+05	8965.42
3	7	-425.00	1751.94	-527.07	-1779.72	-4.832e+04	1.480e+04	1.462e+04
3	7	-365.00	2934.59	-987.13	-3212.52	-7.668e+04	-1.711e+05	1.637e+04
3	8	-485.00	2009.53	-117.80	-1931.89	-6288.71	1.238e+05	1.313e+04
3	8	-425.00	2662.99	-362.30	-1931.89	-1.083e+05	6492.81	1.949e+04
3	8	-365.00	3766.40	-1717.87	-3435.87	-1.919e+05	-1.947e+05	2.624e+04
3	9	-485.00	1032.51	-386.62	-1779.72	-5275.27	1.237e+05	8965.42
3	9	-425.00	1751.94	-527.07	-1779.72	-4.832e+04	1.480e+04	1.462e+04
3	9	-365.00	2934.59	-987.13	-3212.52	-7.668e+04	-1.711e+05	1.637e+04
3	10	-485.00	2009.53	-117.80	-1931.89	-6288.71	1.238e+05	1.313e+04
3	10	-425.00	2662.99	-362.30	-1931.89	-1.083e+05	6492.81	1.949e+04
3	10	-365.00	3766.40	-1717.87	-3435.87	-1.919e+05	-1.947e+05	2.624e+04
3	14	-485.00	1953.14	-1466.42	-555.53	-1577.21	6.359e+04	7753.79
3	14	-425.00	3496.55	-2032.05	-555.53	-9.781e+04	4.113e+04	1.112e+04
3	14	-365.00	3108.08	-3553.71	-6046.33	-1.508e+05	-3.809e+05	4.200e+04
3	17	-485.00	44.40	-681.21	-1245.65	1423.20	1.090e+05	5159.37
3	17	-425.00	25.31	-858.82	-1245.65	-9076.08	3.037e+04	8990.09
3	17	-365.00	427.11	-996.30	-2019.16	-7045.94	-8.621e+04	7935.89
3	20	-485.00	3185.83	2734.83	-2674.44	-3.097e+04	1.342e+05	2.792e+04
3	20	-425.00	4003.92	2609.09	-2674.44	-3.693e+05	-1.136e+04	4.066e+04
3	20	-365.00	6262.21	-1181.89	-5170.39	-6.156e+05	-3.430e+05	6.836e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			25.31	-3553.71	-6046.33	-6.156e+05	-3.809e+05	5159.37
			6262.21	2734.83	-555.53	1423.20	1.342e+05	6.836e+04

Macro	Tipo	Angolo 1-Z (gradi)
4	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	2	-485.00	4287.15	-954.11	3044.14	1873.58	-1.477e+05	8442.63
4	2	-425.00	2902.67	-1244.71	3044.14	-9.483e+04	3.380e+04	1.692e+04
4	2	-365.00	1759.05	-907.26	6591.69	-2.084e+05	4.277e+05	-3.463e+04
4	5	-485.00	3037.42	-239.42	2471.79	-7115.91	-1.178e+05	3485.95
4	5	-425.00	2020.99	-420.21	2471.79	-9.532e+04	2.798e+04	6634.81
4	5	-365.00	1531.37	-440.28	5353.21	-1.745e+05	3.454e+05	-2.860e+04
4	6	-485.00	3440.20	-1334.83	2302.81	3917.67	-1.124e+05	6757.00
4	6	-425.00	2289.86	-1615.19	2302.81	-4.481e+04	2.502e+04	1.360e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
4	6	-365.00	1294.86	-1318.66	4964.66	-1.108e+05	3.226e+05	-2.425e+04
4	7	-485.00	3037.42	-239.42	2471.79	-7115.91	-1.178e+05	3485.95
4	7	-425.00	2020.99	-420.21	2471.79	-9.532e+04	2.798e+04	6634.81
4	7	-365.00	1531.37	-440.28	5353.21	-1.745e+05	3.454e+05	-2.860e+04
4	8	-485.00	3440.20	-1334.83	2302.81	3917.67	-1.124e+05	6757.00
4	8	-425.00	2289.86	-1615.19	2302.81	-4.481e+04	2.502e+04	1.360e+04
4	8	-365.00	1294.86	-1318.66	4964.66	-1.108e+05	3.226e+05	-2.425e+04
4	9	-485.00	3037.42	-239.42	2471.79	-7115.91	-1.178e+05	3485.95
4	9	-425.00	2020.99	-420.21	2471.79	-9.532e+04	2.798e+04	6634.81
4	9	-365.00	1531.37	-440.28	5353.21	-1.745e+05	3.454e+05	-2.860e+04
4	10	-485.00	3440.20	-1334.83	2302.81	3917.67	-1.124e+05	6757.00
4	10	-425.00	2289.86	-1615.19	2302.81	-4.481e+04	2.502e+04	1.360e+04
4	10	-365.00	1294.86	-1318.66	4964.66	-1.108e+05	3.226e+05	-2.425e+04
4	13	-485.00	2997.43	222.18	1841.51	-2.340e+04	-8.496e+04	-6002.92
4	13	-425.00	2769.30	-287.81	1841.51	-1.811e+05	3.644e+04	-8546.69
4	13	-365.00	614.77	-2205.23	3139.05	-2.868e+05	2.527e+05	-4.349e+04
4	14	-485.00	3400.21	-873.22	1672.54	-1.237e+04	-7.960e+04	-2731.87
4	14	-425.00	3038.17	-1482.79	1672.54	-1.306e+05	3.348e+04	-1578.19
4	14	-365.00	378.25	-3083.60	2750.51	-2.231e+05	2.300e+05	-3.914e+04
4	24	-485.00	3298.07	-1461.54	2152.91	-2.538e+04	-1.017e+05	-9957.39
4	24	-425.00	2091.93	-2189.05	2152.91	-9.918e+04	2.896e+04	-1.530e+04
4	24	-365.00	493.35	-3896.54	3958.48	-1.838e+05	2.803e+05	-3.368e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			378.25	-3896.54	1672.54	-2.868e+05	-1.477e+05	-4.349e+04
			4287.15	222.18	6591.69	3917.67	4.277e+05	1.692e+04

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	5	-485.00	4260.50	-101.30	3555.62	1.148e+05	-1.866e+05	-6818.86
5	5	-425.00	5186.65	-494.38	3555.62	2.362e+05	1.847e+04	-1.565e+04
5	5	-365.00	7860.98	-2007.93	6021.31	3.081e+05	3.732e+05	-3.050e+04
5	6	-485.00	5449.23	756.95	3697.77	1.062e+05	-1.933e+05	-1.145e+04
5	6	-425.00	6802.56	409.41	3697.77	2.752e+05	1.906e+04	-2.135e+04
5	6	-365.00	1.029e+04	-1362.11	6000.82	4.204e+05	3.737e+05	-3.363e+04
5	7	-485.00	4260.50	-101.30	3555.62	1.148e+05	-1.866e+05	-6818.86
5	7	-425.00	5186.65	-494.38	3555.62	2.362e+05	1.847e+04	-1.565e+04
5	7	-365.00	7860.98	-2007.93	6021.31	3.081e+05	3.732e+05	-3.050e+04
5	8	-485.00	5449.23	756.95	3697.77	1.062e+05	-1.933e+05	-1.145e+04
5	8	-425.00	6802.56	409.41	3697.77	2.752e+05	1.906e+04	-2.135e+04
5	8	-365.00	1.029e+04	-1362.11	6000.82	4.204e+05	3.737e+05	-3.363e+04
5	9	-485.00	4260.50	-101.30	3555.62	1.148e+05	-1.866e+05	-6818.86
5	9	-425.00	5186.65	-494.38	3555.62	2.362e+05	1.847e+04	-1.565e+04
5	9	-365.00	7860.98	-2007.93	6021.31	3.081e+05	3.732e+05	-3.050e+04
5	10	-485.00	5449.23	756.95	3697.77	1.062e+05	-1.933e+05	-1.145e+04
5	10	-425.00	6802.56	409.41	3697.77	2.752e+05	1.906e+04	-2.135e+04
5	10	-365.00	1.029e+04	-1362.11	6000.82	4.204e+05	3.737e+05	-3.363e+04
5	14	-485.00	6143.60	-1367.96	3845.15	7.054e+04	-2.038e+05	-2704.70
5	14	-425.00	7252.35	-1882.61	3845.15	9.450e+04	-9629.90	-8546.71
5	14	-365.00	1.303e+04	-3056.40	7214.62	7.930e+04	4.287e+05	-1.393e+04
5	22	-485.00	5586.65	4590.45	2167.98	1.388e+05	-1.391e+05	-3.228e+04
5	22	-425.00	7536.92	4302.10	2167.98	5.381e+05	327.58	-5.439e+04
5	22	-365.00	9278.88	313.70	2494.28	8.803e+05	1.764e+05	-6.223e+04
5	25	-485.00	3587.40	-389.80	1704.70	1.044e+05	-1.497e+05	1.199e+04
5	25	-425.00	5023.62	-597.31	1704.70	2.194e+05	-9.335e+04	1.451e+04
5	25	-365.00	8840.72	-319.50	9762.20	2.842e+05	5.147e+05	-2.549e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
			3587.40	-3056.40	1704.70	7.054e+04	-2.038e+05	-6.223e+04
			1.303e+04	4590.45	9762.20	8.803e+05	5.147e+05	1.451e+04

Macro	Tipo	Angolo 1-Z (gradi)
7	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	1	-365.00	-1.084e+05	3.344e+04	-523.52	-4.452e+06	3.979e+05	-2.374e+04
7	1	-301.67	-1.051e+05	3.276e+04	-523.52	-3.048e+06	3.864e+05	-1.590e+04
7	1	-301.67	-1.051e+05	3.276e+04	-523.52	-3.048e+06	3.864e+05	-1.590e+04
7	1	-238.33	-9.263e+04	3.174e+04	-3260.74	-2.074e+06	1.761e+05	621.60
7	1	-238.33	-9.263e+04	3.174e+04	-3260.74	-2.074e+06	1.761e+05	621.60
7	1	-175.00	-8.078e+04	3.106e+04	-6912.18	-1.276e+06	-2.594e+05	4126.66
7	1	-111.67	-6.843e+04	3.066e+04	-1.017e+04	-4.688e+05	-9.004e+05	3007.64
7	1	-111.67	-6.843e+04	3.066e+04	-1.017e+04	-4.688e+05	-9.004e+05	3007.64
7	1	-48.33	-5.618e+04	3.053e+04	-1.400e+04	4.852e+05	-1.749e+06	-4497.90
7	1	-48.33	-5.618e+04	3.053e+04	-1.400e+04	4.852e+05	-1.749e+06	-4497.90
7	1	15.00	-4.715e+04	3.061e+04	-1.637e+04	1.838e+06	-2.786e+06	-6301.56
7	5	-365.00	-7.619e+04	2.408e+04	190.95	-3.138e+06	2.891e+05	-1.769e+04
7	5	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	5	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	5	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	5	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	5	-175.00	-5.529e+04	2.223e+04	-4522.95	-9.204e+05	-8.973e+04	3564.56
7	5	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	5	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	5	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	5	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	5	15.00	-2.980e+04	2.194e+04	-1.093e+04	1.276e+06	-1.781e+06	-4397.14
7	6	-365.00	-7.241e+04	2.737e+04	44.19	-5.049e+06	3.327e+05	-1.209e+04
7	6	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	6	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	6	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	6	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	6	-175.00	-5.345e+04	2.548e+04	-4588.97	-1.877e+06	-6.943e+04	1.157e+04
7	6	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	6	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	6	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90
7	6	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90
7	6	15.00	-2.972e+04	2.517e+04	-1.090e+04	1.273e+06	-1.764e+06	608.90
7	7	-365.00	-7.619e+04	2.408e+04	190.95	-3.138e+06	2.891e+05	-1.769e+04
7	7	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	7	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	7	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	7	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	7	-175.00	-5.529e+04	2.223e+04	-4522.95	-9.204e+05	-8.973e+04	3564.56
7	7	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	7	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	7	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	7	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	7	15.00	-2.980e+04	2.194e+04	-1.093e+04	1.276e+06	-1.781e+06	-4397.14
7	8	-365.00	-7.241e+04	2.737e+04	44.19	-5.049e+06	3.327e+05	-1.209e+04
7	8	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	8	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	8	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	8	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	8	-175.00	-5.345e+04	2.548e+04	-4588.97	-1.877e+06	-6.943e+04	1.157e+04
7	8	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	8	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	8	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
7	8	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90
7	8	15.00	-2.972e+04	2.517e+04	-1.090e+04	1.273e+06	-1.764e+06	608.90
7	9	-365.00	-7.619e+04	2.408e+04	190.95	-3.138e+06	2.891e+05	-1.769e+04
7	9	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	9	-301.67	-7.370e+04	2.352e+04	190.95	-2.143e+06	3.178e+05	-1.120e+04
7	9	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	9	-238.33	-6.425e+04	2.273e+04	-1838.89	-1.466e+06	1.958e+05	1026.59
7	9	-175.00	-5.529e+04	2.223e+04	-4522.95	-9.204e+05	-8.973e+04	3564.56
7	9	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	9	-111.67	-4.594e+04	2.196e+04	-6810.96	-3.610e+05	-5.193e+05	2671.72
7	9	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	9	-48.33	-3.667e+04	2.188e+04	-9365.95	3.135e+05	-1.089e+06	-2479.40
7	9	15.00	-2.980e+04	2.194e+04	-1.093e+04	1.276e+06	-1.781e+06	-4397.14
7	10	-365.00	-7.241e+04	2.737e+04	44.19	-5.049e+06	3.327e+05	-1.209e+04
7	10	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	10	-301.67	-7.041e+04	2.687e+04	44.19	-3.769e+06	3.520e+05	-3820.69
7	10	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	10	-238.33	-6.165e+04	2.602e+04	-1941.00	-2.771e+06	2.214e+05	8895.73
7	10	-175.00	-5.345e+04	2.548e+04	-4588.97	-1.877e+06	-6.943e+04	1.157e+04
7	10	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	10	-111.67	-4.485e+04	2.519e+04	-6843.65	-9.693e+05	-5.021e+05	1.056e+04
7	10	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90
7	10	-48.33	-3.622e+04	2.511e+04	-9352.80	3.225e+04	-1.073e+06	5161.90
7	10	15.00	-2.972e+04	2.517e+04	-1.090e+04	1.273e+06	-1.764e+06	608.90
7	13	-365.00	-7.622e+04	6.851e+04	-2987.62	-9.902e+06	5.342e+05	-3.207e+04
7	13	-301.67	-7.388e+04	6.889e+04	-2987.62	-7.401e+06	3.766e+05	-3.525e+04
7	13	-301.67	-7.388e+04	6.889e+04	-2987.62	-7.401e+06	3.766e+05	-3.525e+04
7	13	-238.33	-6.388e+04	6.424e+04	-3758.18	-5.783e+06	1.417e+05	-1.244e+04
7	13	-238.33	-6.388e+04	6.424e+04	-3758.18	-5.783e+06	1.417e+05	-1.244e+04
7	13	-175.00	-5.422e+04	5.949e+04	-5504.54	-4.470e+06	-1.970e+05	-1.224e+04
7	13	-111.67	-4.423e+04	5.449e+04	-6532.98	-3.272e+06	-6.182e+05	-1.853e+04
7	13	-111.67	-4.423e+04	5.449e+04	-6532.98	-3.272e+06	-6.182e+05	-1.853e+04
7	13	-48.33	-3.439e+04	5.039e+04	-7691.88	-1.982e+06	-1.120e+06	-2.621e+04
7	13	-48.33	-3.439e+04	5.039e+04	-7691.88	-1.982e+06	-1.120e+06	-2.621e+04
7	13	15.00	-2.707e+04	5.008e+04	-8580.95	1.147e+04	-1.684e+06	-1.972e+04
7	14	-365.00	-7.245e+04	7.181e+04	-3134.38	-1.181e+07	5.778e+05	-2.647e+04
7	14	-301.67	-7.059e+04	7.225e+04	-3134.38	-9.027e+06	4.107e+05	-2.787e+04
7	14	-301.67	-7.059e+04	7.225e+04	-3134.38	-9.027e+06	4.107e+05	-2.787e+04
7	14	-238.33	-6.129e+04	6.752e+04	-3860.29	-7.088e+06	1.673e+05	-4566.24
7	14	-238.33	-6.129e+04	6.752e+04	-3860.29	-7.088e+06	1.673e+05	-4566.24
7	14	-175.00	-5.239e+04	6.274e+04	-5570.56	-5.427e+06	-1.767e+05	-4237.17
7	14	-111.67	-4.315e+04	5.772e+04	-6565.67	-3.881e+06	-6.010e+05	-1.064e+04
7	14	-111.67	-4.315e+04	5.772e+04	-6565.67	-3.881e+06	-6.010e+05	-1.064e+04
7	14	-48.33	-3.394e+04	5.362e+04	-7678.74	-2.263e+06	-1.105e+06	-1.857e+04
7	14	-48.33	-3.394e+04	5.362e+04	-7678.74	-2.263e+06	-1.105e+06	-1.857e+04
7	14	15.00	-2.699e+04	5.332e+04	-8551.96	8027.65	-1.667e+06	-1.472e+04
7	18	-365.00	-7.502e+04	-1.023e+04	-2422.50	7.001e+05	4.315e+05	-3473.49
7	18	-301.67	-7.223e+04	-1.155e+04	-2422.50	6.318e+05	3.244e+05	1.027e+04
7	18	-301.67	-7.223e+04	-1.155e+04	-2422.50	6.318e+05	3.244e+05	1.027e+04
7	18	-238.33	-6.201e+04	-8524.36	-3158.65	8.323e+05	1.297e+05	1.487e+04
7	18	-238.33	-6.201e+04	-8524.36	-3158.65	8.323e+05	1.297e+05	1.487e+04
7	18	-175.00	-5.241e+04	-4686.09	-4953.37	1.138e+06	-1.663e+05	1.992e+04
7	18	-111.67	-4.260e+04	7.08	-5648.01	1.629e+06	-5.349e+05	2.279e+04
7	18	-111.67	-4.260e+04	7.08	-5648.01	1.629e+06	-5.349e+05	2.279e+04
7	18	-48.33	-3.286e+04	4213.22	-6297.37	2.341e+06	-9.683e+05	1.852e+04
7	18	-48.33	-3.286e+04	4213.22	-6297.37	2.341e+06	-9.683e+05	1.852e+04
7	18	15.00	-2.575e+04	4763.47	-7060.97	2.929e+06	-1.445e+06	6962.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.084e+05	-1.155e+04	-1.637e+04	-1.181e+07	-2.786e+06	-3.525e+04
			-2.575e+04	7.225e+04	190.95	2.929e+06	5.778e+05	2.279e+04

Macro	Tipo	Angolo 1-Z (gradi)
8	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
8	1	-365.00	-7.300e+04	-6109.77	365.49	-7.099e+06	1.530e+05	-5316.15
8	1	-301.67	-6.997e+04	-5922.40	365.49	-5.879e+06	1.866e+05	-3.207e+04
8	1	-301.67	-6.997e+04	-5922.40	365.49	-5.879e+06	1.866e+05	-3.207e+04
8	1	-238.33	-5.944e+04	-5671.31	536.32	-4.327e+06	1.906e+05	-3.866e+04
8	1	-238.33	-5.944e+04	-5671.31	536.32	-4.327e+06	1.906e+05	-3.866e+04
8	1	-175.00	-5.181e+04	-5560.71	-1428.45	-2.647e+06	9.290e+04	-4.071e+04
8	1	-111.67	-4.318e+04	-5612.48	-3284.11	-1.022e+06	-1.149e+05	-4.058e+04
8	1	-111.67	-4.318e+04	-5612.48	-3284.11	-1.022e+06	-1.149e+05	-4.058e+04
8	1	-48.33	-3.351e+04	-5722.19	-7113.60	4.229e+05	-4.895e+05	-3.558e+04
8	1	-48.33	-3.351e+04	-5722.19	-7113.60	4.229e+05	-4.895e+05	-3.558e+04
8	1	15.00	-2.647e+04	-5842.37	-9609.32	1.414e+06	-1.099e+06	-2.322e+04
8	5	-365.00	-5.143e+04	-4895.69	33.13	-5.491e+06	1.553e+05	-3411.21
8	5	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	5	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	5	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	5	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	5	-175.00	-3.602e+04	-4406.21	-1082.06	-2.127e+06	8.217e+04	-2.988e+04
8	5	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04
8	5	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04
8	5	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	5	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	5	15.00	-1.707e+04	-4562.07	-6270.36	9.182e+05	-7.020e+05	-1.760e+04
8	6	-365.00	-4.880e+04	-1.033e+04	1.012e+04	-7.135e+06	-4.409e+05	366.57
8	6	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	6	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	6	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	6	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	6	-175.00	-3.562e+04	-1.019e+04	-1079.35	-2.944e+06	3.266e+05	-2.699e+04
8	6	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	6	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	6	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	6	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	6	15.00	-1.741e+04	-1.032e+04	-8585.10	1.007e+06	-8.320e+05	-9263.44
8	7	-365.00	-5.143e+04	-4895.69	33.13	-5.491e+06	1.553e+05	-3411.21
8	7	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	7	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	7	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	7	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	7	-175.00	-3.602e+04	-4406.21	-1082.06	-2.127e+06	8.217e+04	-2.988e+04
8	7	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04
8	7	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04
8	7	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	7	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	7	15.00	-1.707e+04	-4562.07	-6270.36	9.182e+05	-7.020e+05	-1.760e+04
8	8	-365.00	-4.880e+04	-1.033e+04	1.012e+04	-7.135e+06	-4.409e+05	366.57
8	8	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	8	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	8	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	8	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	8	-175.00	-3.562e+04	-1.019e+04	-1079.35	-2.944e+06	3.266e+05	-2.699e+04
8	8	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	8	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	8	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	8	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	8	15.00	-1.741e+04	-1.032e+04	-8585.10	1.007e+06	-8.320e+05	-9263.44
8	9	-365.00	-5.143e+04	-4895.69	33.13	-5.491e+06	1.553e+05	-3411.21
8	9	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	9	-301.67	-4.939e+04	-4728.86	33.13	-4.562e+06	1.656e+05	-2.305e+04
8	9	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	9	-238.33	-4.161e+04	-4509.62	253.28	-3.390e+06	1.561e+05	-2.835e+04
8	9	-175.00	-3.602e+04	-4406.21	-1082.06	-2.127e+06	8.217e+04	-2.988e+04
8	9	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
8	9	-111.67	-2.962e+04	-4424.09	-2229.24	-9.081e+05	-5.936e+04	-2.982e+04
8	9	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	9	-48.33	-2.238e+04	-4484.95	-4676.91	1.734e+05	-3.047e+05	-2.689e+04
8	9	15.00	-1.707e+04	-4562.07	-6270.36	9.182e+05	-7.020e+05	-1.760e+04
8	10	-365.00	-4.880e+04	-1.033e+04	1.012e+04	-7.135e+06	-4.409e+05	366.57
8	10	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	10	-301.67	-4.759e+04	-1.035e+04	1.012e+04	-5.933e+06	2.362e+05	-2.775e+04
8	10	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	10	-238.33	-4.069e+04	-1.015e+04	3877.15	-4.485e+06	4.150e+05	-2.916e+04
8	10	-175.00	-3.562e+04	-1.019e+04	-1079.35	-2.944e+06	3.266e+05	-2.699e+04
8	10	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	10	-111.67	-2.950e+04	-1.027e+04	-3682.13	-1.449e+06	8.722e+04	-2.308e+04
8	10	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	10	-48.33	-2.241e+04	-1.043e+04	-6628.33	-7.150e+04	-2.909e+05	-1.597e+04
8	10	15.00	-1.741e+04	-1.032e+04	-8585.10	1.007e+06	-8.320e+05	-9263.44
8	21	-365.00	-4.857e+04	-4.537e+04	-3286.75	-1.154e+07	3.936e+05	1.168e+04
8	21	-301.67	-4.795e+04	-4.639e+04	-3286.75	-9.195e+06	2.180e+05	1497.76
8	21	-301.67	-4.795e+04	-4.639e+04	-3286.75	-9.195e+06	2.180e+05	1497.76
8	21	-238.33	-4.043e+04	-4.234e+04	-1765.14	-7.105e+06	8.933e+04	-1.451e+04
8	21	-238.33	-4.043e+04	-4.234e+04	-1765.14	-7.105e+06	8.933e+04	-1.451e+04
8	21	-175.00	-3.447e+04	-3.790e+04	-1950.12	-5.150e+06	-2.606e+04	-1.314e+04
8	21	-111.67	-2.740e+04	-3.300e+04	-1485.81	-3.424e+06	-1.304e+05	-7987.92
8	21	-111.67	-2.740e+04	-3.300e+04	-1485.81	-3.424e+06	-1.304e+05	-7987.92
8	21	-48.33	-1.937e+04	-2.894e+04	-2065.36	-1.912e+06	-2.601e+05	-5486.48
8	21	-48.33	-1.937e+04	-2.894e+04	-2065.36	-1.912e+06	-2.601e+05	-5486.48
8	21	15.00	-1.352e+04	-2.815e+04	-2739.38	-3.927e+05	-4.577e+05	-3581.16
8	22	-365.00	-4.594e+04	-5.080e+04	6795.38	-1.319e+07	-2.026e+05	1.546e+04
8	22	-301.67	-4.614e+04	-5.201e+04	6795.38	-1.057e+07	2.887e+05	-3202.67
8	22	-301.67	-4.614e+04	-5.201e+04	6795.38	-1.057e+07	2.887e+05	-3202.67
8	22	-238.33	-3.951e+04	-4.799e+04	1858.73	-8.199e+06	3.482e+05	-1.532e+04
8	22	-238.33	-3.951e+04	-4.799e+04	1858.73	-8.199e+06	3.482e+05	-1.532e+04
8	22	-175.00	-3.407e+04	-4.368e+04	-1947.41	-5.967e+06	2.184e+05	-1.025e+04
8	22	-111.67	-2.728e+04	-3.885e+04	-2938.70	-3.965e+06	1.619e+04	-1240.37
8	22	-111.67	-2.728e+04	-3.885e+04	-2938.70	-3.965e+06	1.619e+04	-1240.37
8	22	-48.33	-1.940e+04	-3.489e+04	-4016.77	-2.157e+06	-2.463e+05	5439.62
8	22	-48.33	-1.940e+04	-3.489e+04	-4016.77	-2.157e+06	-2.463e+05	5439.62
8	22	15.00	-1.386e+04	-3.391e+04	-5054.11	-3.041e+05	-5.878e+05	4756.79
8	24	-365.00	-4.577e+04	2.948e+04	1.736e+04	-1.785e+06	-8.357e+05	-1.653e+04
8	24	-301.67	-4.516e+04	3.088e+04	1.736e+04	-1.872e+06	3.429e+05	-5.636e+04
8	24	-301.67	-4.516e+04	3.088e+04	1.736e+04	-1.872e+06	3.429e+05	-5.636e+04
8	24	-238.33	-3.925e+04	2.742e+04	7589.06	-1.215e+06	7.100e+05	-4.617e+04
8	24	-238.33	-3.925e+04	2.742e+04	7589.06	-1.215e+06	7.100e+05	-4.617e+04
8	24	-175.00	-3.530e+04	2.316e+04	-137.97	-2.607e+05	6.766e+05	-4.553e+04
8	24	-111.67	-3.007e+04	1.823e+04	-3946.73	8.175e+05	4.130e+05	-4.633e+04
8	24	-111.67	-3.007e+04	1.823e+04	-3946.73	8.175e+05	4.130e+05	-4.633e+04
8	24	-48.33	-2.333e+04	1.393e+04	-8888.29	1.847e+06	-1.050e+05	-4.179e+04
8	24	-48.33	-2.333e+04	1.393e+04	-8888.29	1.847e+06	-1.050e+05	-4.179e+04
8	24	15.00	-1.811e+04	1.297e+04	-1.499e+04	2.165e+06	-1.068e+06	-2.486e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-7.300e+04	-5.201e+04	-1.499e+04	-1.319e+07	-1.099e+06	-5.636e+04
			-1.352e+04	3.088e+04	1.736e+04	2.165e+06	7.100e+05	1.546e+04

Macro	Tipo	Angolo 1-Z (gradi)
9	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
9	2	-365.00	-6.112e+04	3.761e+04	-3430.53	9.065e+06	1.666e+05	-1666.32
9	2	-301.67	-6.139e+04	3.857e+04	-3430.53	7.351e+06	-6.597e+04	1.454e+04
9	2	-301.67	-6.139e+04	3.857e+04	-3430.53	7.351e+06	-6.597e+04	1.454e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
9	2	-238.33	-5.496e+04	3.839e+04	162.03	5.915e+06	-5.066e+04	1904.93
9	2	-238.33	-5.496e+04	3.839e+04	162.03	5.915e+06	-5.066e+04	1904.93
9	2	-175.00	-4.980e+04	3.808e+04	3666.98	4.582e+06	1.846e+05	-579.96
9	2	-111.67	-4.407e+04	3.774e+04	6662.12	3.288e+06	6.077e+05	949.35
9	2	-111.67	-4.407e+04	3.774e+04	6662.12	3.288e+06	6.077e+05	949.35
9	2	-48.33	-3.764e+04	3.736e+04	9873.37	1.900e+06	1.209e+06	4995.08
9	2	-48.33	-3.764e+04	3.736e+04	9873.37	1.900e+06	1.209e+06	4995.08
9	2	15.00	-3.230e+04	3.706e+04	1.175e+04	6.631e+04	1.959e+06	3949.66
9	5	-365.00	-3.985e+04	2.565e+04	-3389.21	5.733e+06	1.957e+05	2054.62
9	5	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	5	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	5	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	5	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	5	-175.00	-3.228e+04	2.609e+04	2031.78	2.928e+06	6.968e+04	5912.32
9	5	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	5	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	5	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	5	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	5	15.00	-1.985e+04	2.541e+04	7476.03	1.504e+04	1.195e+06	7227.46
9	6	-365.00	-4.203e+04	2.724e+04	-3103.71	6.541e+06	1.501e+05	-1542.05
9	6	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	6	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	6	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50
9	6	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50
9	6	-175.00	-3.337e+04	2.759e+04	2165.64	3.302e+06	6.153e+04	-997.61
9	6	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	6	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	6	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	6	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	6	15.00	-1.995e+04	2.692e+04	7575.39	1.956e+04	1.205e+06	2810.72
9	7	-365.00	-3.985e+04	2.565e+04	-3389.21	5.733e+06	1.957e+05	2054.62
9	7	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	7	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	7	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	7	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	7	-175.00	-3.228e+04	2.609e+04	2031.78	2.928e+06	6.968e+04	5912.32
9	7	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	7	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	7	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	7	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	7	15.00	-1.985e+04	2.541e+04	7476.03	1.504e+04	1.195e+06	7227.46
9	8	-365.00	-4.203e+04	2.724e+04	-3103.71	6.541e+06	1.501e+05	-1542.05
9	8	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	8	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	8	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50
9	8	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50
9	8	-175.00	-3.337e+04	2.759e+04	2165.64	3.302e+06	6.153e+04	-997.61
9	8	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	8	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	8	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	8	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	8	15.00	-1.995e+04	2.692e+04	7575.39	1.956e+04	1.205e+06	2810.72
9	9	-365.00	-3.985e+04	2.565e+04	-3389.21	5.733e+06	1.957e+05	2054.62
9	9	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	9	-301.67	-4.033e+04	2.632e+04	-3389.21	4.642e+06	-3.078e+04	1.573e+04
9	9	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	9	-238.33	-3.580e+04	2.625e+04	-584.35	3.751e+06	-6.226e+04	7348.15
9	9	-175.00	-3.228e+04	2.609e+04	2031.78	2.928e+06	6.968e+04	5912.32
9	9	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	9	-111.67	-2.831e+04	2.587e+04	4155.01	2.122e+06	3.346e+05	7140.74
9	9	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	9	-48.33	-2.374e+04	2.563e+04	6260.49	1.236e+06	7.182e+05	1.003e+04
9	9	15.00	-1.985e+04	2.541e+04	7476.03	1.504e+04	1.195e+06	7227.46
9	10	-365.00	-4.203e+04	2.724e+04	-3103.71	6.541e+06	1.501e+05	-1542.05
9	10	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	10	-301.67	-4.224e+04	2.792e+04	-3103.71	5.303e+06	-5.833e+04	9873.87
9	10	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
9	10	-238.33	-3.731e+04	2.780e+04	-413.21	4.266e+06	-7.857e+04	808.50
9	10	-175.00	-3.337e+04	2.759e+04	2165.64	3.302e+06	6.153e+04	-997.61
9	10	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	10	-111.67	-2.897e+04	2.737e+04	4260.13	2.363e+06	3.328e+05	164.77
9	10	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	10	-48.33	-2.405e+04	2.713e+04	6362.25	1.354e+06	7.222e+05	3232.21
9	10	15.00	-1.995e+04	2.692e+04	7575.39	1.956e+04	1.205e+06	2810.72
9	19	-365.00	-3.868e+04	-2.266e+04	-850.91	-3.281e+06	4.733e+04	-1.689e+04
9	19	-301.67	-3.907e+04	-2.332e+04	-850.91	-2.305e+06	-3.775e+04	-2.344e+04
9	19	-301.67	-3.907e+04	-2.332e+04	-850.91	-2.305e+06	-3.775e+04	-2.344e+04
9	19	-238.33	-3.386e+04	-1.943e+04	737.54	-1.736e+06	3731.68	-1.505e+04
9	19	-238.33	-3.386e+04	-1.943e+04	737.54	-1.736e+06	3731.68	-1.505e+04
9	19	-175.00	-2.963e+04	-1.525e+04	2372.46	-1.394e+06	1.451e+05	-1.655e+04
9	19	-111.67	-2.506e+04	-1.043e+04	2993.31	-1.262e+06	3.470e+05	-1.973e+04
9	19	-111.67	-2.506e+04	-1.043e+04	2993.31	-1.262e+06	3.470e+05	-1.973e+04
9	19	-48.33	-1.992e+04	-6219.80	3308.43	-1.325e+06	5.917e+05	-1.934e+04
9	19	-48.33	-1.992e+04	-6219.80	3308.43	-1.325e+06	5.917e+05	-1.934e+04
9	19	15.00	-1.569e+04	-5943.92	3670.14	-1.295e+06	8.512e+05	-9186.55
9	23	-365.00	-4.233e+04	7.355e+04	-601.23	1.394e+07	2.861e+04	2.386e+04
9	23	-301.67	-4.216e+04	7.550e+04	-601.23	1.087e+07	-4.009e+04	5.950e+04
9	23	-301.67	-4.216e+04	7.550e+04	-601.23	1.087e+07	-4.009e+04	5.950e+04
9	23	-238.33	-3.637e+04	7.157e+04	1002.68	8.643e+06	1.734e+04	3.427e+04
9	23	-238.33	-3.637e+04	7.157e+04	1002.68	8.643e+06	1.734e+04	3.427e+04
9	23	-175.00	-3.164e+04	6.721e+04	2767.57	6.790e+06	1.822e+05	3.265e+04
9	23	-111.67	-2.663e+04	6.213e+04	3548.49	5.169e+06	4.183e+05	3.835e+04
9	23	-111.67	-2.663e+04	6.213e+04	3548.49	5.169e+06	4.183e+05	3.835e+04
9	23	-48.33	-2.113e+04	5.756e+04	4124.05	3.555e+06	7.115e+05	4.420e+04
9	23	-48.33	-2.113e+04	5.756e+04	4124.05	3.555e+06	7.115e+05	4.420e+04
9	23	15.00	-1.673e+04	5.685e+04	4658.89	1.116e+06	1.034e+06	2.849e+04
9	24	-365.00	-4.451e+04	7.513e+04	-315.73	1.474e+07	-1.700e+04	2.026e+04
9	24	-301.67	-4.407e+04	7.710e+04	-315.73	1.153e+07	-6.765e+04	5.365e+04
9	24	-301.67	-4.407e+04	7.710e+04	-315.73	1.153e+07	-6.765e+04	5.365e+04
9	24	-238.33	-3.789e+04	7.312e+04	1173.82	9.158e+06	1034.20	2.773e+04
9	24	-238.33	-3.789e+04	7.312e+04	1173.82	9.158e+06	1034.20	2.773e+04
9	24	-175.00	-3.273e+04	6.872e+04	2901.42	7.164e+06	1.740e+05	2.574e+04
9	24	-111.67	-2.730e+04	6.362e+04	3653.61	5.410e+06	4.166e+05	3.138e+04
9	24	-111.67	-2.730e+04	6.362e+04	3653.61	5.410e+06	4.166e+05	3.138e+04
9	24	-48.33	-2.143e+04	5.906e+04	4225.81	3.673e+06	7.155e+05	3.740e+04
9	24	-48.33	-2.143e+04	5.906e+04	4225.81	3.673e+06	7.155e+05	3.740e+04
9	24	15.00	-1.683e+04	5.836e+04	4758.26	1.120e+06	1.044e+06	2.407e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-6.139e+04	-2.332e+04	-3430.53	-3.281e+06	-7.857e+04	-2.344e+04
			-1.569e+04	7.710e+04	1.175e+04	1.474e+07	1.959e+06	5.950e+04

Macro	Tipo	Angolo 1-Z (gradi)
10	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
10	1	-365.00	2266.22	-1.454e+04	2841.62	-2.071e+06	-4.679e+05	4.051e+04
10	1	-301.67	-7171.81	-1.475e+04	2899.55	-2.317e+06	-2.950e+05	-1.065e+04
10	1	-301.67	-7171.81	-1.475e+04	2899.55	-2.317e+06	-2.950e+05	-1.065e+04
10	1	-238.33	-1.467e+04	-1.606e+04	2430.19	-2.350e+06	-1.336e+05	-1.421e+04
10	1	-238.33	-1.467e+04	-1.606e+04	2430.19	-2.350e+06	-1.336e+05	-1.421e+04
10	1	-175.00	-2.363e+04	-1.686e+04	1970.76	-2.519e+06	-1.605e+04	-9249.98
10	1	-111.67	-3.148e+04	-1.659e+04	2075.25	-2.706e+06	1.051e+05	-4039.62
10	1	-111.67	-3.148e+04	-1.659e+04	2075.25	-2.706e+06	1.051e+05	-4039.62
10	1	-48.33	-3.805e+04	-1.489e+04	6627.77	-3.012e+06	2.788e+05	1.384e+04
10	1	-48.33	-3.805e+04	-1.489e+04	6627.77	-3.012e+06	2.788e+05	1.384e+04
10	1	15.00	-4.266e+04	-7240.35	7227.58	-3.375e+06	7.623e+05	-7.834e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
10	5	-365.00	6066.94	-8700.67	2238.22	-1.340e+06	-3.604e+05	2.654e+04
10	5	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	5	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	5	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	5	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	5	-175.00	-1.233e+04	-1.090e+04	1429.97	-1.516e+06	-1.638e+04	-6672.10
10	5	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	5	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	5	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	5	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	5	15.00	-2.575e+04	-5330.83	4530.55	-2.078e+06	4.812e+05	-4.572e+04
10	7	-365.00	6066.94	-8700.67	2238.22	-1.340e+06	-3.604e+05	2.654e+04
10	7	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	7	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	7	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	7	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	7	-175.00	-1.233e+04	-1.090e+04	1429.97	-1.516e+06	-1.638e+04	-6672.10
10	7	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	7	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	7	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	7	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	7	15.00	-2.575e+04	-5330.83	4530.55	-2.078e+06	4.812e+05	-4.572e+04
10	9	-365.00	6066.94	-8700.67	2238.22	-1.340e+06	-3.604e+05	2.654e+04
10	9	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	9	-301.67	-744.57	-8998.68	2282.93	-1.458e+06	-2.229e+05	-7807.69
10	9	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	9	-238.33	-5961.35	-1.015e+04	1816.90	-1.434e+06	-1.017e+05	-1.003e+04
10	9	-175.00	-1.233e+04	-1.090e+04	1429.97	-1.516e+06	-1.638e+04	-6672.10
10	9	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	9	-111.67	-1.788e+04	-1.094e+04	1418.83	-1.619e+06	6.616e+04	-3215.67
10	9	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	9	-48.33	-2.243e+04	-9978.84	4155.59	-1.802e+06	1.789e+05	8105.40
10	9	15.00	-2.575e+04	-5330.83	4530.55	-2.078e+06	4.812e+05	-4.572e+04
10	12	-365.00	7336.30	2.716e+04	1.606e+04	-2.556e+06	-1.309e+06	2.119e+04
10	12	-301.67	447.88	2.654e+04	1.590e+04	-2.074e+06	-2.516e+05	-3593.79
10	12	-301.67	447.88	2.654e+04	1.590e+04	-2.074e+06	-2.516e+05	-3593.79
10	12	-238.33	-2547.25	1.643e+04	7442.34	-1.612e+06	1.860e+05	-2473.94
10	12	-238.33	-2547.25	1.643e+04	7442.34	-1.612e+06	1.860e+05	-2473.94
10	12	-175.00	-6895.24	5468.78	2128.38	-1.471e+06	2.942e+05	-776.20
10	12	-111.67	-1.121e+04	-5495.58	-361.62	-1.613e+06	2.513e+05	2273.36
10	12	-111.67	-1.121e+04	-5495.58	-361.62	-1.613e+06	2.513e+05	2273.36
10	12	-48.33	-1.517e+04	-1.349e+04	1162.75	-2.075e+06	1.568e+05	1.577e+04
10	12	-48.33	-1.517e+04	-1.349e+04	1162.75	-2.075e+06	1.568e+05	1.577e+04
10	12	15.00	-1.840e+04	-1.046e+04	780.86	-2.717e+06	2.166e+05	-3.456e+04
10	19	-365.00	1.687e+04	1.252e+04	3886.64	-4.436e+05	-5.715e+05	1.457e+04
10	19	-301.67	9977.20	1.231e+04	3925.59	-3.889e+05	-3.156e+05	3860.23
10	19	-301.67	9977.20	1.231e+04	3925.59	-3.889e+05	-3.156e+05	3860.23
10	19	-238.33	4723.89	8147.02	2463.09	-3.283e+05	-1.480e+05	6333.23
10	19	-238.33	4723.89	8147.02	2463.09	-3.283e+05	-1.480e+05	6333.23
10	19	-175.00	-2099.78	4210.97	1785.46	-4.256e+05	-4.285e+04	1.135e+04
10	19	-111.67	-8513.46	747.25	1490.64	-6.019e+05	4.069e+04	1.722e+04
10	19	-111.67	-8513.46	747.25	1490.64	-6.019e+05	4.069e+04	1.722e+04
10	19	-48.33	-1.412e+04	-1159.89	3967.15	-8.652e+05	1.360e+05	3.158e+04
10	19	-48.33	-1.412e+04	-1159.89	3967.15	-8.652e+05	1.360e+05	3.158e+04
10	19	15.00	-1.950e+04	1934.55	4300.00	-1.393e+06	4.184e+05	-9150.89
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-4.266e+04	-1.686e+04	-361.62	-3.375e+06	-1.309e+06	-7.834e+04
			1.687e+04	2.716e+04	1.606e+04	-3.283e+05	7.623e+05	4.051e+04

Macro	Tipo	Angolo 1-Z (gradi)
11	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
11	2	-365.00	-5.235e+04	-2.670e+04	-1.313e+04	1.208e+06	8.376e+05	-5.177e+04
11	2	-301.67	-5.155e+04	-2.749e+04	-1.313e+04	1.595e+06	-1.800e+04	-1.739e+04
11	2	-301.67	-5.155e+04	-2.749e+04	-1.313e+04	1.595e+06	-1.800e+04	-1.739e+04
11	2	-238.33	-4.655e+04	-2.874e+04	-5311.97	1.856e+06	-3.080e+05	-6669.92
11	2	-238.33	-4.655e+04	-2.874e+04	-5311.97	1.856e+06	-3.080e+05	-6669.92
11	2	-175.00	-4.307e+04	-2.962e+04	-439.91	2.116e+06	-3.180e+05	-3954.40
11	2	-111.67	-3.929e+04	-2.936e+04	1263.21	2.387e+06	-2.297e+05	-5424.23
11	2	-111.67	-3.929e+04	-2.936e+04	1263.21	2.387e+06	-2.297e+05	-5424.23
11	2	-48.33	-3.579e+04	-2.770e+04	-2152.10	2.851e+06	-1.375e+05	-1.758e+04
11	2	-48.33	-3.579e+04	-2.770e+04	-2152.10	2.851e+06	-1.375e+05	-1.758e+04
11	2	15.00	-3.132e+04	-1.961e+04	-2307.40	2.952e+06	-3.004e+05	7.155e+04
11	5	-365.00	-3.430e+04	-2.313e+04	1025.84	7.707e+05	-9.835e+04	-4.195e+04
11	5	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	5	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	5	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	5	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	5	-175.00	-2.842e+04	-2.485e+04	48.49	1.098e+06	-1.381e+04	1239.04
11	5	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	5	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	5	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97
11	5	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97
11	5	15.00	-1.953e+04	-1.880e+04	-3075.52	1.729e+06	-2.806e+05	4.018e+04
11	6	-365.00	-3.556e+04	-1.772e+04	-1.028e+04	8.198e+05	6.567e+05	-3.518e+04
11	6	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	6	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	6	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	6	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	6	-175.00	-2.791e+04	-2.040e+04	-304.50	1.301e+06	-2.429e+05	-2918.98
11	6	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	6	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	6	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	6	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	6	15.00	-1.859e+04	-1.450e+04	-773.87	1.824e+06	-1.369e+05	4.090e+04
11	7	-365.00	-3.430e+04	-2.313e+04	1025.84	7.707e+05	-9.835e+04	-4.195e+04
11	7	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	7	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	7	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	7	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	7	-175.00	-2.842e+04	-2.485e+04	48.49	1.098e+06	-1.381e+04	1239.04
11	7	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	7	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	7	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97
11	7	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97
11	7	15.00	-1.953e+04	-1.880e+04	-3075.52	1.729e+06	-2.806e+05	4.018e+04
11	8	-365.00	-3.556e+04	-1.772e+04	-1.028e+04	8.198e+05	6.567e+05	-3.518e+04
11	8	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	8	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	8	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	8	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	8	-175.00	-2.791e+04	-2.040e+04	-304.50	1.301e+06	-2.429e+05	-2918.98
11	8	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	8	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	8	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	8	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	8	15.00	-1.859e+04	-1.450e+04	-773.87	1.824e+06	-1.369e+05	4.090e+04
11	9	-365.00	-3.430e+04	-2.313e+04	1025.84	7.707e+05	-9.835e+04	-4.195e+04
11	9	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	9	-301.67	-3.414e+04	-2.348e+04	1025.84	9.718e+05	-2.326e+04	-6035.77
11	9	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	9	-238.33	-3.084e+04	-2.429e+04	175.51	1.010e+06	-1.477e+04	1318.31
11	9	-175.00	-2.842e+04	-2.485e+04	48.49	1.098e+06	-1.381e+04	1239.04
11	9	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	9	-111.67	-2.560e+04	-2.478e+04	-212.75	1.244e+06	-2.919e+04	-1185.92
11	9	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
11	9	-48.33	-2.278e+04	-2.379e+04	-2611.21	1.548e+06	-7.632e+04	-9144.97
11	9	15.00	-1.953e+04	-1.880e+04	-3075.52	1.729e+06	-2.806e+05	4.018e+04
11	10	-365.00	-3.556e+04	-1.772e+04	-1.028e+04	8.198e+05	6.567e+05	-3.518e+04
11	10	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	10	-301.67	-3.477e+04	-1.847e+04	-1.028e+04	1.028e+06	-1.306e+04	-1.337e+04
11	10	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	10	-238.33	-3.076e+04	-1.958e+04	-4105.30	1.163e+06	-2.373e+05	-5491.45
11	10	-175.00	-2.791e+04	-2.040e+04	-304.50	1.301e+06	-2.429e+05	-2918.98
11	10	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	10	-111.67	-2.486e+04	-2.045e+04	1101.53	1.453e+06	-1.671e+05	-3392.92
11	10	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	10	-48.33	-2.191e+04	-1.953e+04	-787.75	1.734e+06	-7.820e+04	-1.088e+04
11	10	15.00	-1.859e+04	-1.450e+04	-773.87	1.824e+06	-1.369e+05	4.090e+04
11	19	-365.00	-3.466e+04	-4.095e+04	752.69	-4.243e+05	-8.961e+04	-2.902e+04
11	19	-301.67	-3.445e+04	-4.327e+04	752.69	-6.751e+04	-2.672e+04	-8712.34
11	19	-301.67	-3.445e+04	-4.327e+04	752.69	-6.751e+04	-2.672e+04	-8712.34
11	19	-238.33	-3.141e+04	-4.471e+04	187.60	1.049e+05	-2.060e+04	-4123.23
11	19	-238.33	-3.141e+04	-4.471e+04	187.60	1.049e+05	-2.060e+04	-4123.23
11	19	-175.00	-2.926e+04	-4.545e+04	119.83	3.670e+05	-1.642e+04	-3883.19
11	19	-111.67	-2.673e+04	-4.546e+04	-60.28	7.331e+05	-2.444e+04	-6047.53
11	19	-111.67	-2.673e+04	-4.546e+04	-60.28	7.331e+05	-2.444e+04	-6047.53
11	19	-48.33	-2.409e+04	-4.438e+04	-1867.39	1.321e+06	-5.902e+04	-1.246e+04
11	19	-48.33	-2.409e+04	-4.438e+04	-1867.39	1.321e+06	-5.902e+04	-1.246e+04
11	19	15.00	-2.006e+04	-3.915e+04	-2247.28	1.919e+06	-2.095e+05	3.092e+04
11	26	-365.00	-2.833e+04	2.193e+04	-9967.99	2.743e+06	6.504e+05	-4.419e+04
11	26	-301.67	-2.775e+04	2.287e+04	-9967.99	2.097e+06	-6430.06	-7258.77
11	26	-301.67	-2.775e+04	2.287e+04	-9967.99	2.097e+06	-6430.06	-7258.77
11	26	-238.33	-2.246e+04	1.361e+04	-4093.06	1.522e+06	-2.276e+05	965.18
11	26	-238.33	-2.246e+04	1.361e+04	-4093.06	1.522e+06	-2.276e+05	965.18
11	26	-175.00	-1.876e+04	2846.34	-325.66	1.244e+06	-2.331e+05	2383.13
11	26	-111.67	-1.564e+04	-8272.91	1112.84	1.302e+06	-1.550e+05	1002.94
11	26	-111.67	-1.564e+04	-8272.91	1112.84	1.302e+06	-1.550e+05	1002.94
11	26	-48.33	-1.321e+04	-1.665e+04	-605.39	1.752e+06	-5.737e+04	-7898.92
11	26	-48.33	-1.321e+04	-1.665e+04	-605.39	1.752e+06	-5.737e+04	-7898.92
11	26	15.00	-1.119e+04	-1.390e+04	-594.09	2.130e+06	-1.010e+05	3.080e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-5.235e+04	-4.546e+04	-1.313e+04	-4.243e+05	-3.180e+05	-5.177e+04
			-1.119e+04	2.287e+04	1263.21	2.952e+06	8.376e+05	7.155e+04

Macro	Tipo	Angolo 1-Z (gradi)
12	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
12	5	-365.00	-5.932e+04	-1.244e+04	-4514.25	8.265e+06	3.614e+05	2.050e+04
12	5	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	5	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	5	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	5	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	5	-175.00	-3.983e+04	-1.277e+04	168.92	4.025e+06	-5.899e+04	2.784e+04
12	5	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	5	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	5	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	5	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	5	15.00	-1.592e+04	-1.238e+04	6048.07	-9.883e+04	7.120e+05	1.833e+04
12	6	-365.00	-5.300e+04	-1.720e+04	-1.691e+04	9.795e+06	1.096e+06	1.686e+04
12	6	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	6	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	6	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04
12	6	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
12	6	-175.00	-3.775e+04	-1.784e+04	-129.39	4.822e+06	-4.110e+05	2.621e+04
12	6	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	6	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	6	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	6	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	6	15.00	-1.665e+04	-1.751e+04	9410.24	-8.075e+04	8.903e+05	1.122e+04
12	7	-365.00	-5.932e+04	-1.244e+04	-4514.25	8.265e+06	3.614e+05	2.050e+04
12	7	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	7	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	7	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	7	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	7	-175.00	-3.983e+04	-1.277e+04	168.92	4.025e+06	-5.899e+04	2.784e+04
12	7	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	7	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	7	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	7	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	7	15.00	-1.592e+04	-1.238e+04	6048.07	-9.883e+04	7.120e+05	1.833e+04
12	8	-365.00	-5.300e+04	-1.720e+04	-1.691e+04	9.795e+06	1.096e+06	1.686e+04
12	8	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	8	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	8	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04
12	8	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04
12	8	-175.00	-3.775e+04	-1.784e+04	-129.39	4.822e+06	-4.110e+05	2.621e+04
12	8	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	8	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	8	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	8	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	8	15.00	-1.665e+04	-1.751e+04	9410.24	-8.075e+04	8.903e+05	1.122e+04
12	9	-365.00	-5.932e+04	-1.244e+04	-4514.25	8.265e+06	3.614e+05	2.050e+04
12	9	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	9	-301.67	-5.671e+04	-1.302e+04	-4514.25	7.029e+06	6.026e+04	2.384e+04
12	9	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	9	-238.33	-4.727e+04	-1.288e+04	-2270.40	5.603e+06	-7.618e+04	2.687e+04
12	9	-175.00	-3.983e+04	-1.277e+04	168.92	4.025e+06	-5.899e+04	2.784e+04
12	9	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	9	-111.67	-3.141e+04	-1.273e+04	2097.25	2.495e+06	7.617e+04	2.758e+04
12	9	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	9	-48.33	-2.223e+04	-1.268e+04	4561.14	1.107e+06	3.290e+05	2.766e+04
12	9	15.00	-1.592e+04	-1.238e+04	6048.07	-9.883e+04	7.120e+05	1.833e+04
12	10	-365.00	-5.300e+04	-1.720e+04	-1.691e+04	9.795e+06	1.096e+06	1.686e+04
12	10	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	10	-301.67	-5.163e+04	-1.794e+04	-1.691e+04	8.292e+06	-2.916e+04	3.097e+04
12	10	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04
12	10	-238.33	-4.379e+04	-1.781e+04	-7177.83	6.634e+06	-4.293e+05	2.832e+04
12	10	-175.00	-3.775e+04	-1.784e+04	-129.39	4.822e+06	-4.110e+05	2.621e+04
12	10	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	10	-111.67	-3.050e+04	-1.787e+04	3947.97	3.053e+06	-1.476e+05	2.193e+04
12	10	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	10	-48.33	-2.225e+04	-1.792e+04	7368.29	1.408e+06	2.937e+05	1.625e+04
12	10	15.00	-1.665e+04	-1.751e+04	9410.24	-8.075e+04	8.903e+05	1.122e+04
12	14	-365.00	-4.455e+04	2.778e+04	-2.745e+04	2.443e+06	1.684e+06	3.282e+04
12	14	-301.67	-4.563e+04	2.858e+04	-2.745e+04	2.708e+06	-1.619e+05	5.743e+04
12	14	-301.67	-4.563e+04	2.858e+04	-2.745e+04	2.708e+06	-1.619e+05	5.743e+04
12	14	-238.33	-4.029e+04	2.501e+04	-1.272e+04	2.169e+06	-8.607e+05	4.146e+04
12	14	-238.33	-4.029e+04	2.501e+04	-1.272e+04	2.169e+06	-8.607e+05	4.146e+04
12	14	-175.00	-3.630e+04	2.087e+04	-1791.32	1.218e+06	-9.369e+05	4.073e+04
12	14	-111.67	-3.056e+04	1.608e+04	4682.60	1.247e+05	-6.211e+05	4.101e+04
12	14	-111.67	-3.056e+04	1.608e+04	4682.60	1.247e+05	-6.211e+05	4.101e+04
12	14	-48.33	-2.315e+04	1.187e+04	1.110e+04	-9.087e+05	5.863e+04	3.443e+04
12	14	-48.33	-2.315e+04	1.187e+04	1.110e+04	-9.087e+05	5.863e+04	3.443e+04
12	14	15.00	-1.778e+04	1.139e+04	1.830e+04	-1.334e+06	1.238e+06	2.436e+04
12	15	-365.00	-6.409e+04	-5.655e+04	-1618.44	1.611e+07	2.056e+05	5592.82
12	15	-301.67	-6.057e+04	-5.881e+04	-1618.44	1.306e+07	6.264e+04	-2711.10
12	15	-301.67	-6.057e+04	-5.881e+04	-1618.44	1.306e+07	6.264e+04	-2711.10
12	15	-238.33	-4.946e+04	-5.499e+04	-720.92	1.046e+07	1.061e+04	1.343e+04
12	15	-238.33	-4.946e+04	-5.499e+04	-720.92	1.046e+07	1.061e+04	1.343e+04
12	15	-175.00	-4.034e+04	-5.065e+04	829.31	7.976e+06	5.093e+04	1.349e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
12	15	-111.67	-3.039e+04	-4.570e+04	1166.19	5.734e+06	1.381e+05	9449.18
12	15	-111.67	-3.039e+04	-4.570e+04	1166.19	5.734e+06	1.381e+05	9449.18
12	15	-48.33	-1.973e+04	-4.138e+04	1852.59	3.749e+06	2.660e+05	1.003e+04
12	15	-48.33	-1.973e+04	-4.138e+04	1852.59	3.749e+06	2.660e+05	1.003e+04
12	15	15.00	-1.251e+04	-4.021e+04	2475.85	1.515e+06	4.507e+05	7989.08
12	16	-365.00	-5.777e+04	-6.131e+04	-1.401e+04	1.764e+07	9.407e+05	1947.82
12	16	-301.67	-5.549e+04	-6.373e+04	-1.401e+04	1.432e+07	-2.678e+04	4426.31
12	16	-301.67	-5.549e+04	-6.373e+04	-1.401e+04	1.432e+07	-2.678e+04	4426.31
12	16	-238.33	-4.598e+04	-5.992e+04	-5628.36	1.150e+07	-3.425e+05	1.487e+04
12	16	-238.33	-4.598e+04	-5.992e+04	-5628.36	1.150e+07	-3.425e+05	1.487e+04
12	16	-175.00	-3.826e+04	-5.572e+04	531.00	8.773e+06	-3.010e+05	1.186e+04
12	16	-111.67	-2.948e+04	-5.083e+04	3016.90	6.292e+06	-8.567e+04	3797.41
12	16	-111.67	-2.948e+04	-5.083e+04	3016.90	6.292e+06	-8.567e+04	3797.41
12	16	-48.33	-1.975e+04	-4.662e+04	4659.74	4.050e+06	2.307e+05	-1377.72
12	16	-48.33	-1.975e+04	-4.662e+04	4659.74	4.050e+06	2.307e+05	-1377.72
12	16	15.00	-1.324e+04	-4.534e+04	5838.02	1.533e+06	6.290e+05	876.24
12	21	-365.00	-8.609e+04	-2.593e+04	-2793.47	9.157e+06	2.432e+05	8442.49
12	21	-301.67	-7.883e+04	-2.699e+04	-2793.47	7.403e+06	7.281e+04	6226.87
12	21	-301.67	-7.883e+04	-2.699e+04	-2793.47	7.403e+06	7.281e+04	6226.87
12	21	-238.33	-6.401e+04	-2.578e+04	-1645.63	5.830e+06	-3.399e+04	1.569e+04
12	21	-238.33	-6.401e+04	-2.578e+04	-1645.63	5.830e+06	-3.399e+04	1.569e+04
12	21	-175.00	-5.128e+04	-2.444e+04	484.36	4.299e+06	-6916.16	1.731e+04
12	21	-111.67	-3.799e+04	-2.293e+04	2000.14	2.914e+06	1.212e+05	1.637e+04
12	21	-111.67	-3.799e+04	-2.293e+04	2000.14	2.914e+06	1.212e+05	1.637e+04
12	21	-48.33	-2.469e+04	-2.160e+04	4250.31	1.671e+06	3.552e+05	1.660e+04
12	21	-48.33	-2.469e+04	-2.160e+04	4250.31	1.671e+06	3.552e+05	1.660e+04
12	21	15.00	-1.576e+04	-2.103e+04	5664.91	3.541e+05	7.195e+05	1.056e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-8.609e+04	-6.373e+04	-2.745e+04	-1.334e+06	-9.369e+05	-2711.10
			-1.251e+04	2.858e+04	1.830e+04	1.764e+07	1.684e+06	5.743e+04

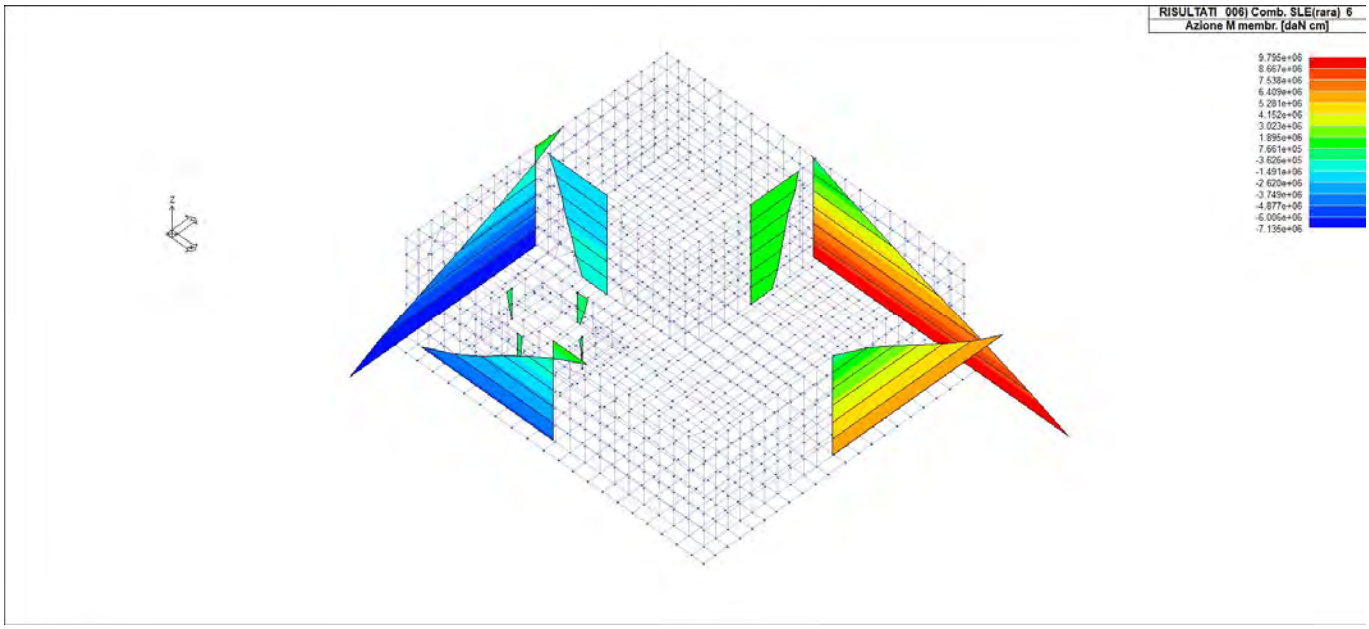


Figura 38 - RIS_M_006_Comb SLErara 6

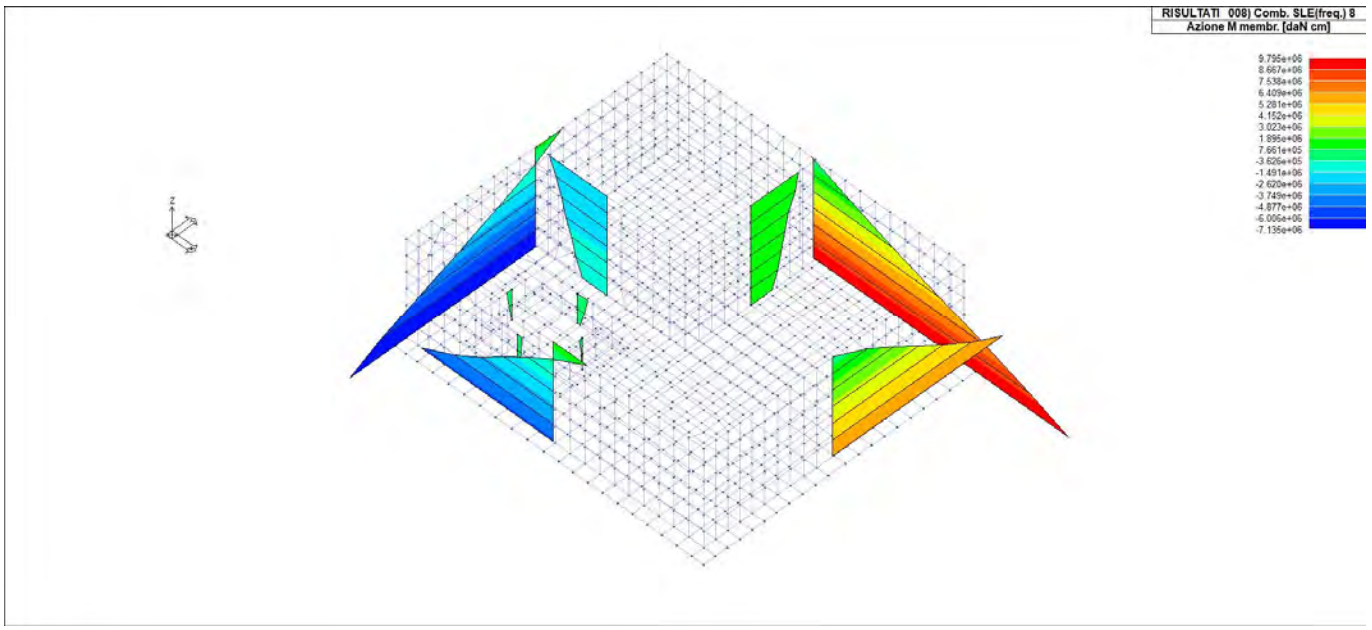


Figura 39 - RIS_M_008_Comb SLEfreq 8

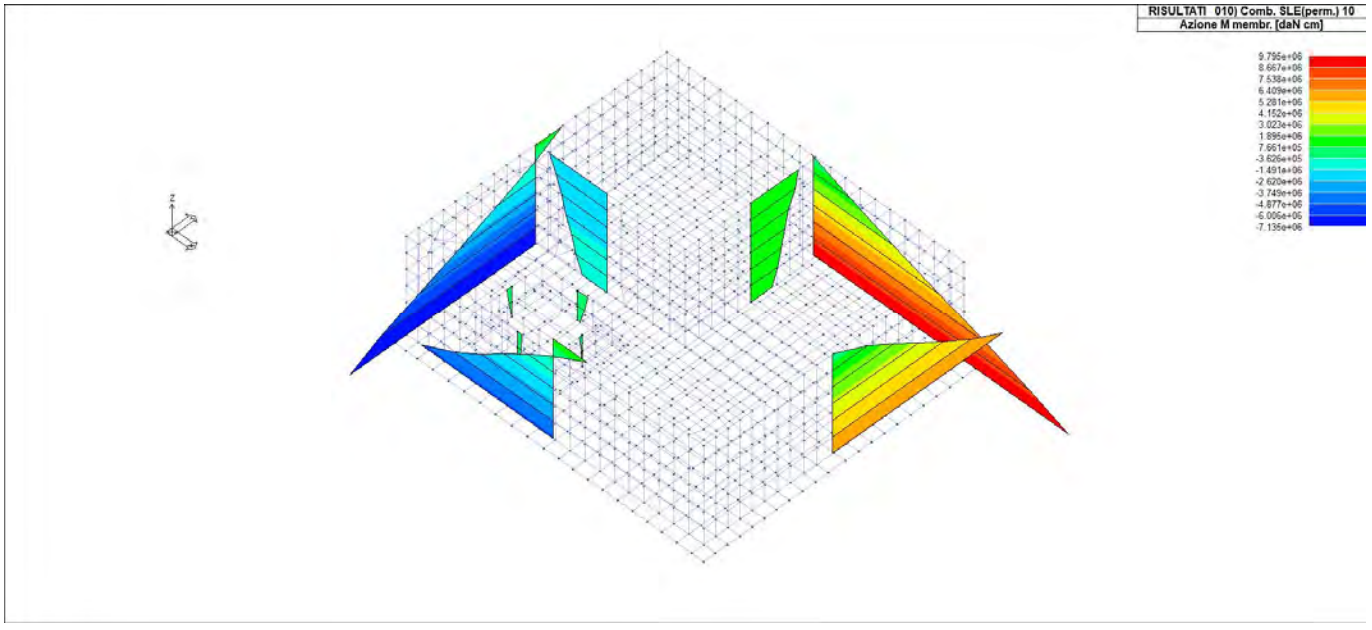


Figura 40 - RIS_M_010_Comb SLEperm 10

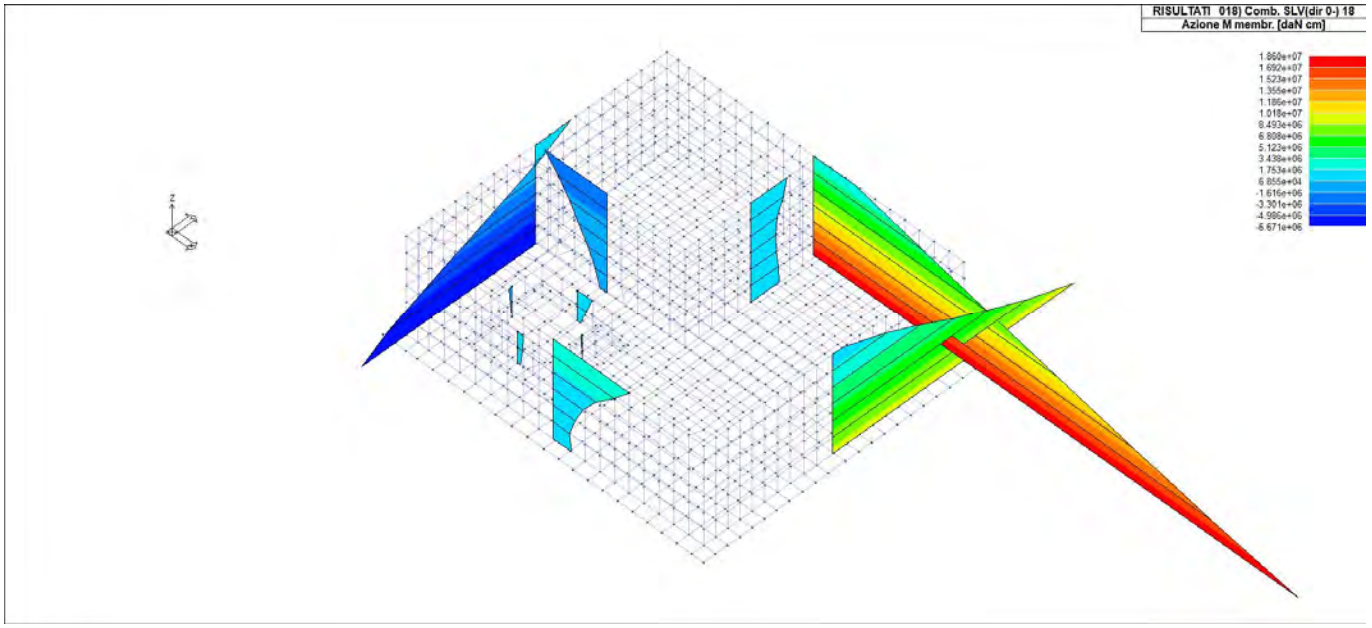


Figura 41 - RIS_M_018_Comb SLVdir 0- 18

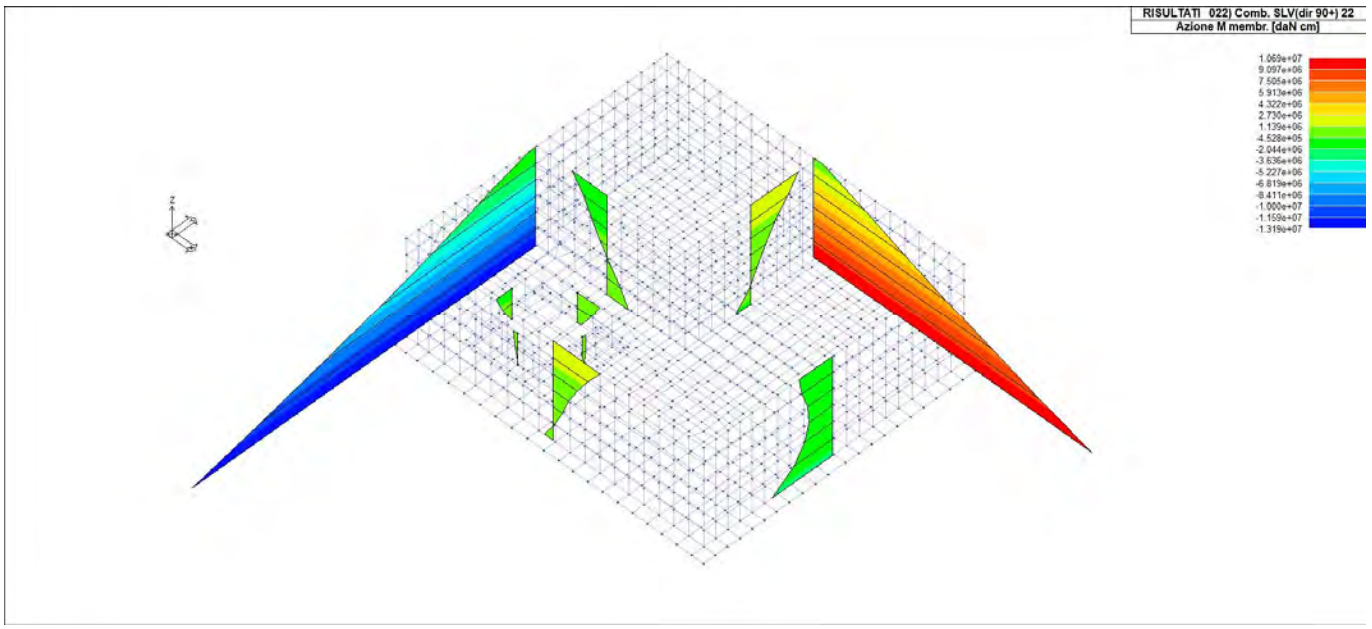


Figura 42 - RIS_M_022_Comb SLVdir 90+ 22

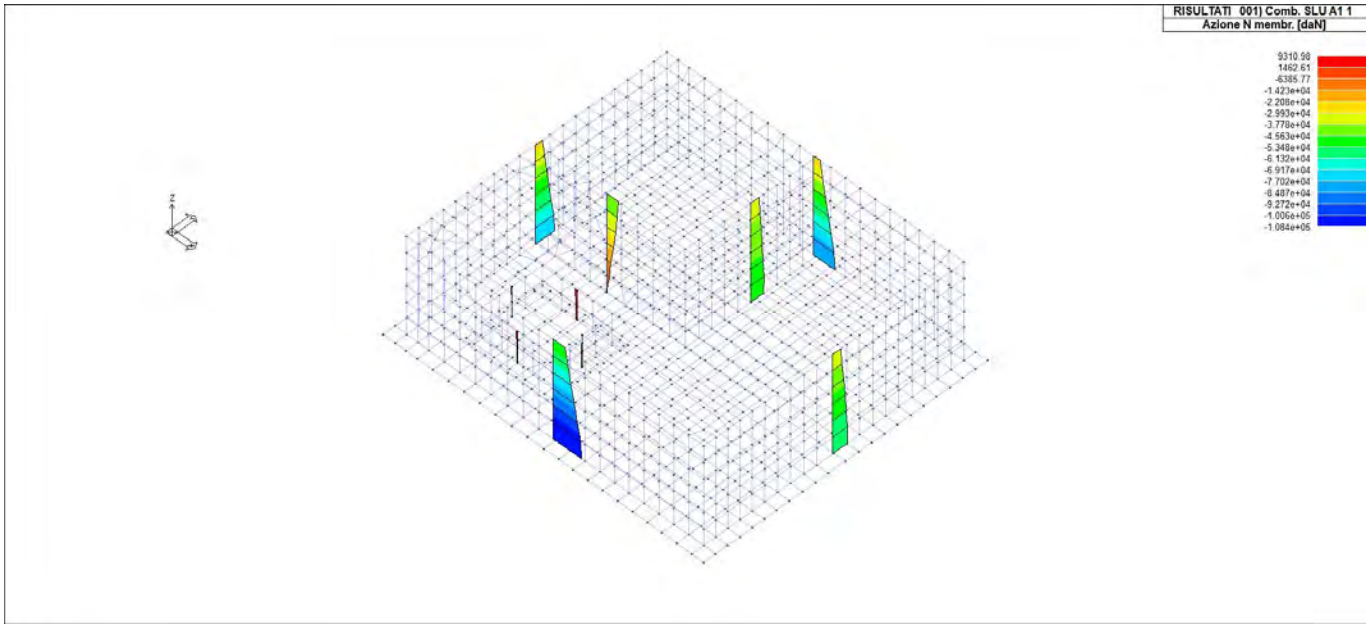


Figura 43 - RIS_N_001_Comb SLU A1 1

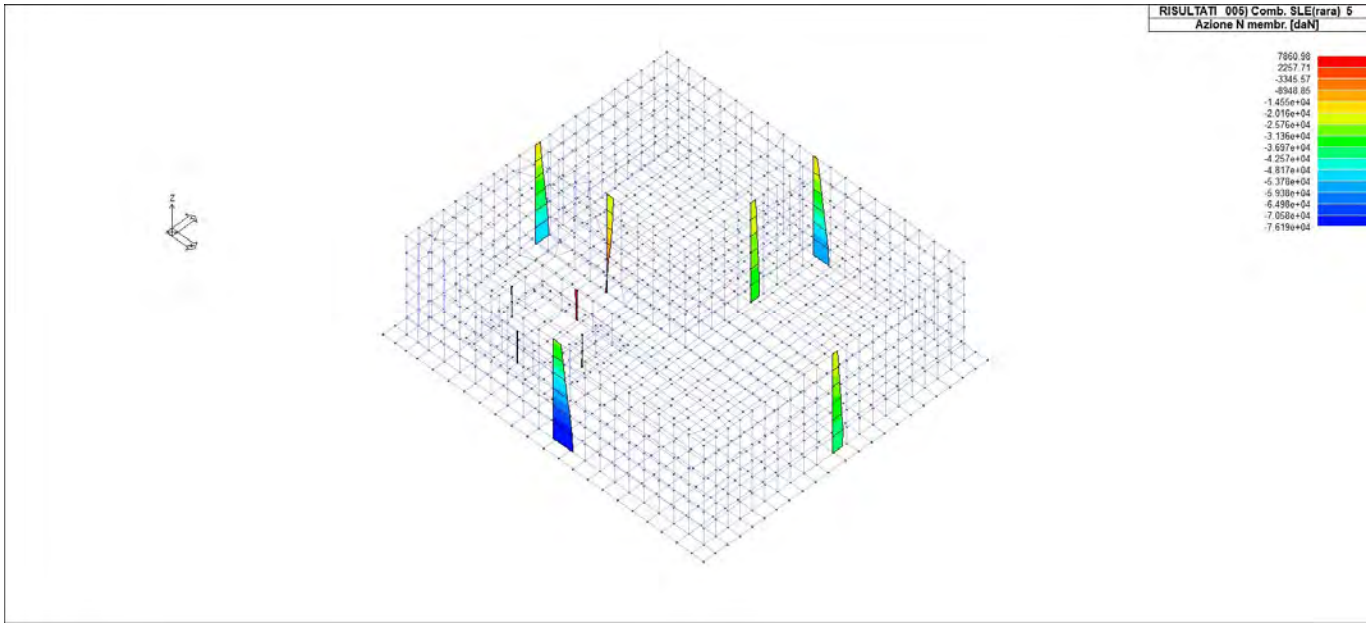


Figura 44 - RIS_N_005_Comb SLErara 5

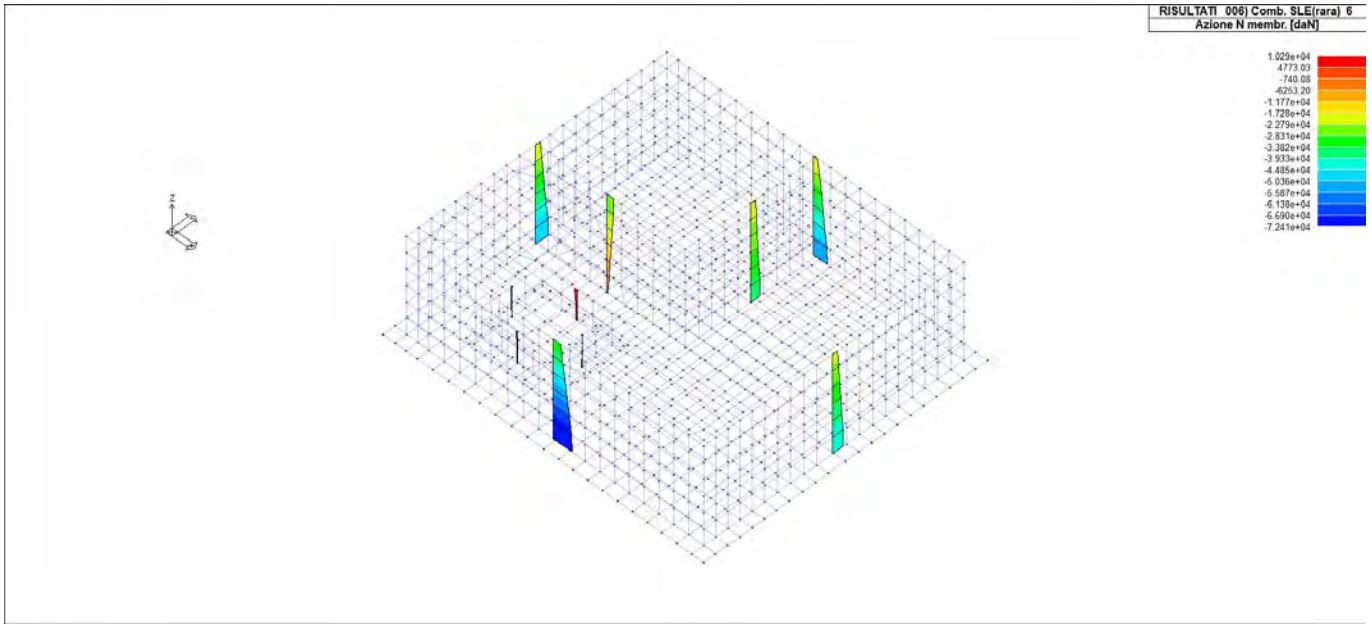


Figura 45 - RIS_N_006_Comb SLErara 6

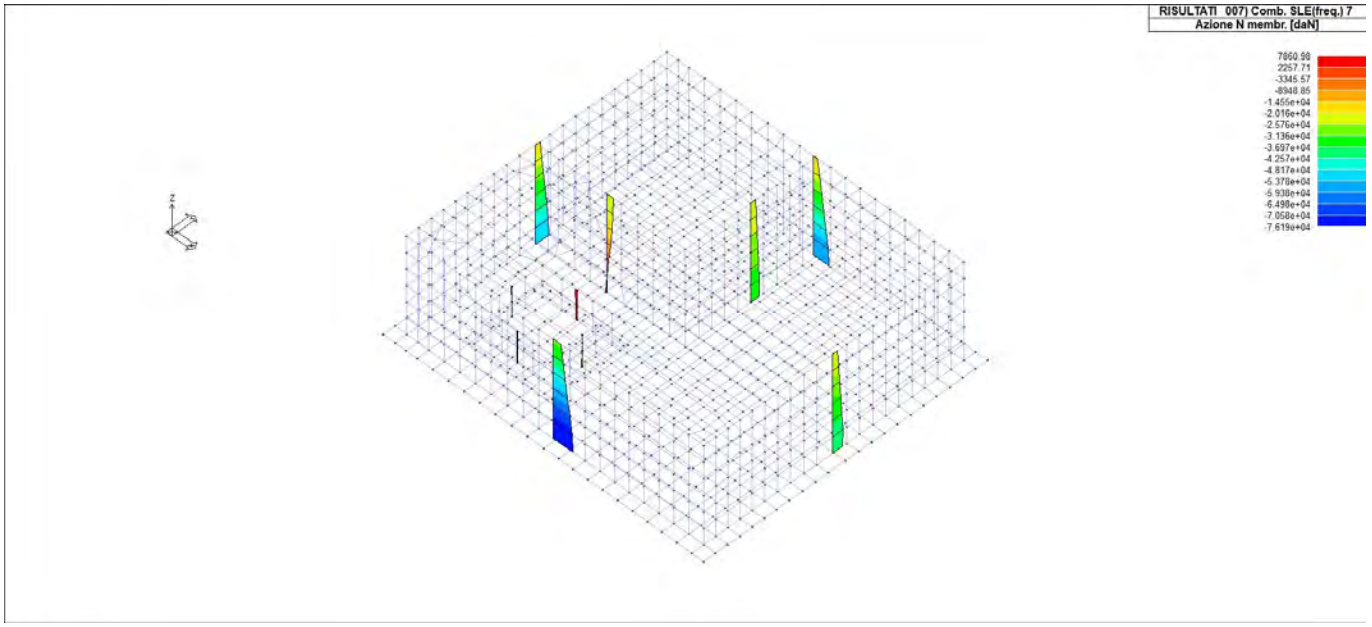


Figura 46 - RIS_N_007_Comb SLEfreq 7

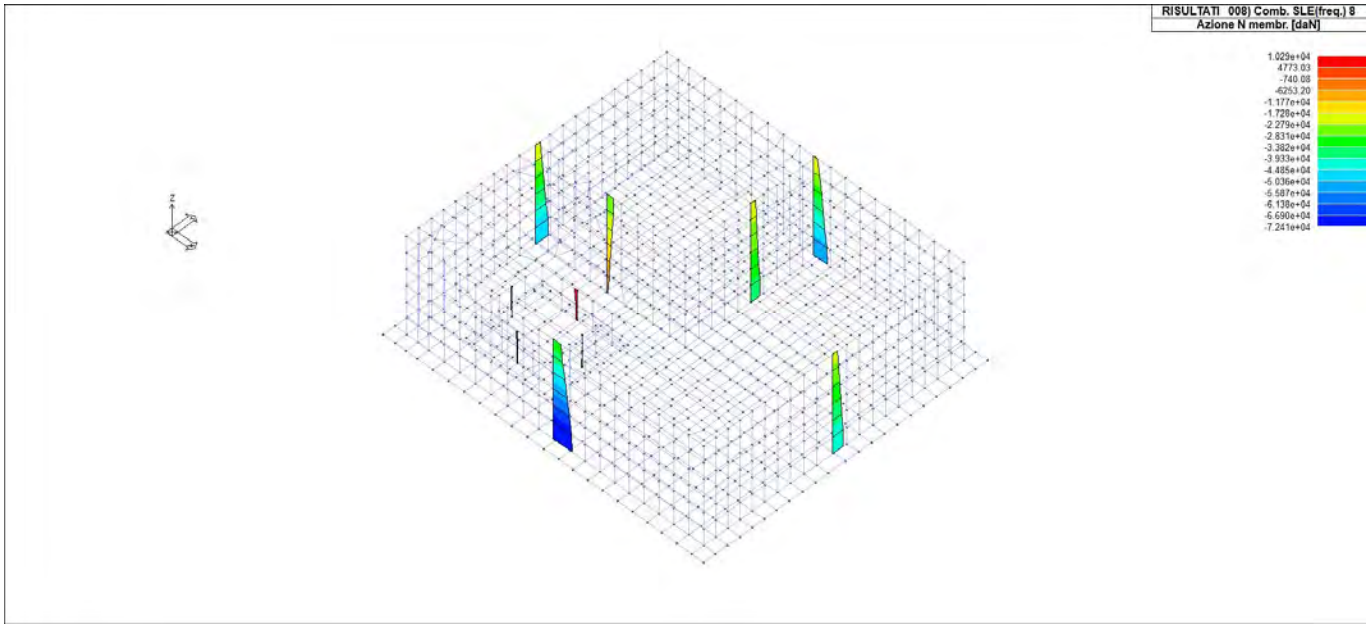


Figura 47 - RIS_N_008_Comb SLEfreq 8

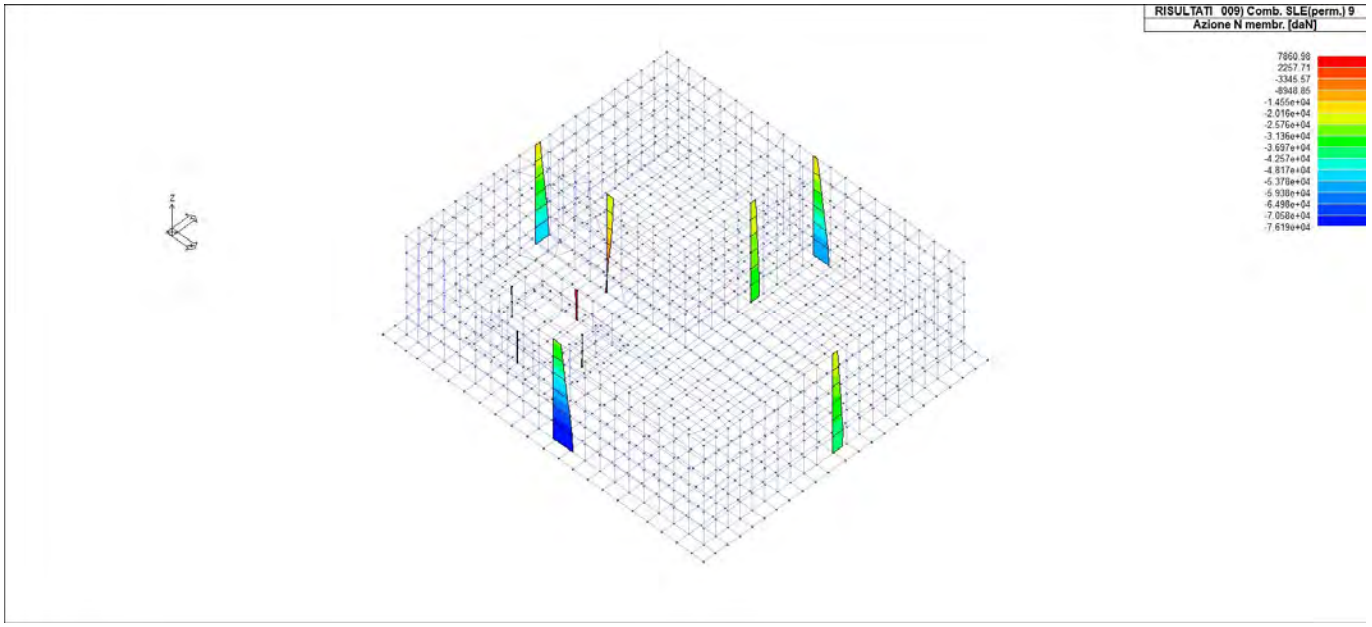


Figura 48 - RIS_N_009_Comb SLEperm 9

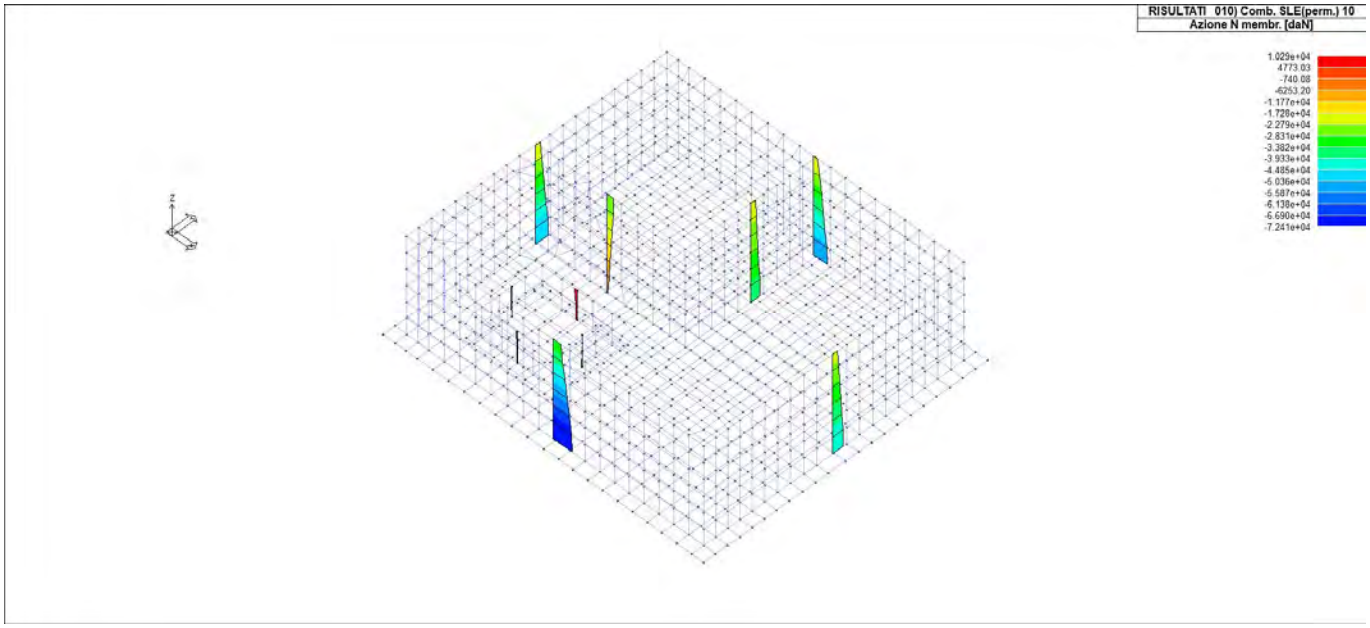


Figura 49 - RIS_N_010_Comb SLEperm 10

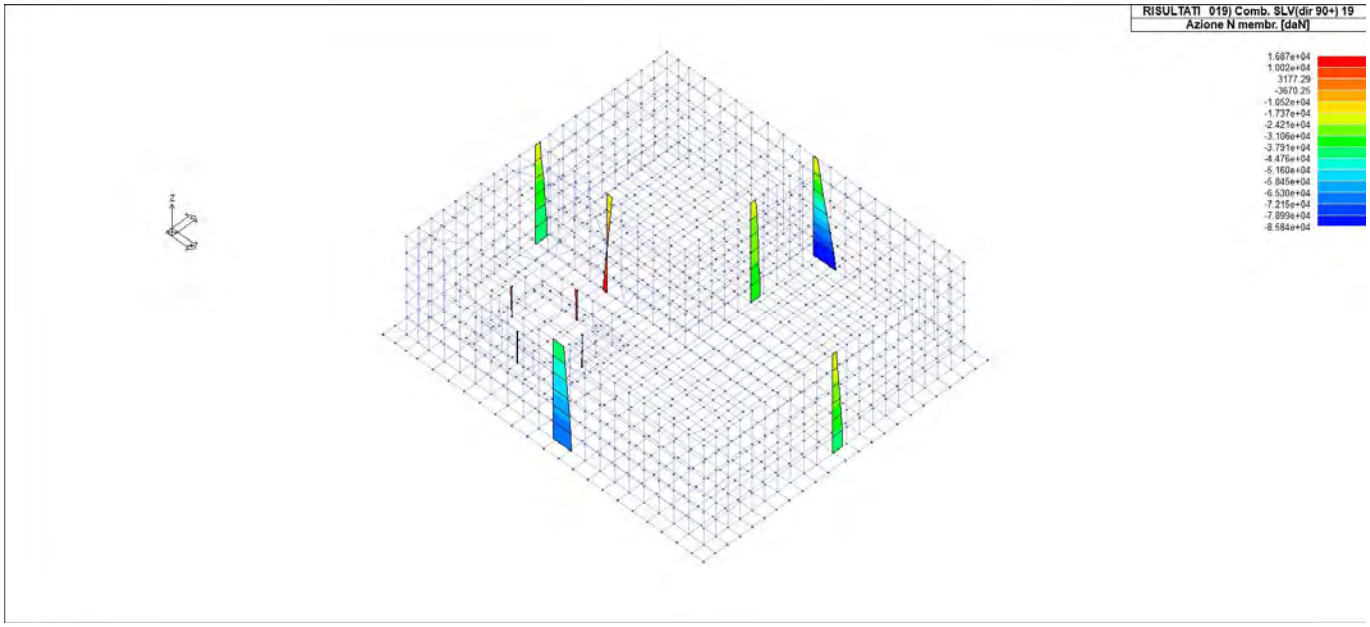


Figura 50 - RIS_N_019_Comb SLVdir 90+ 19

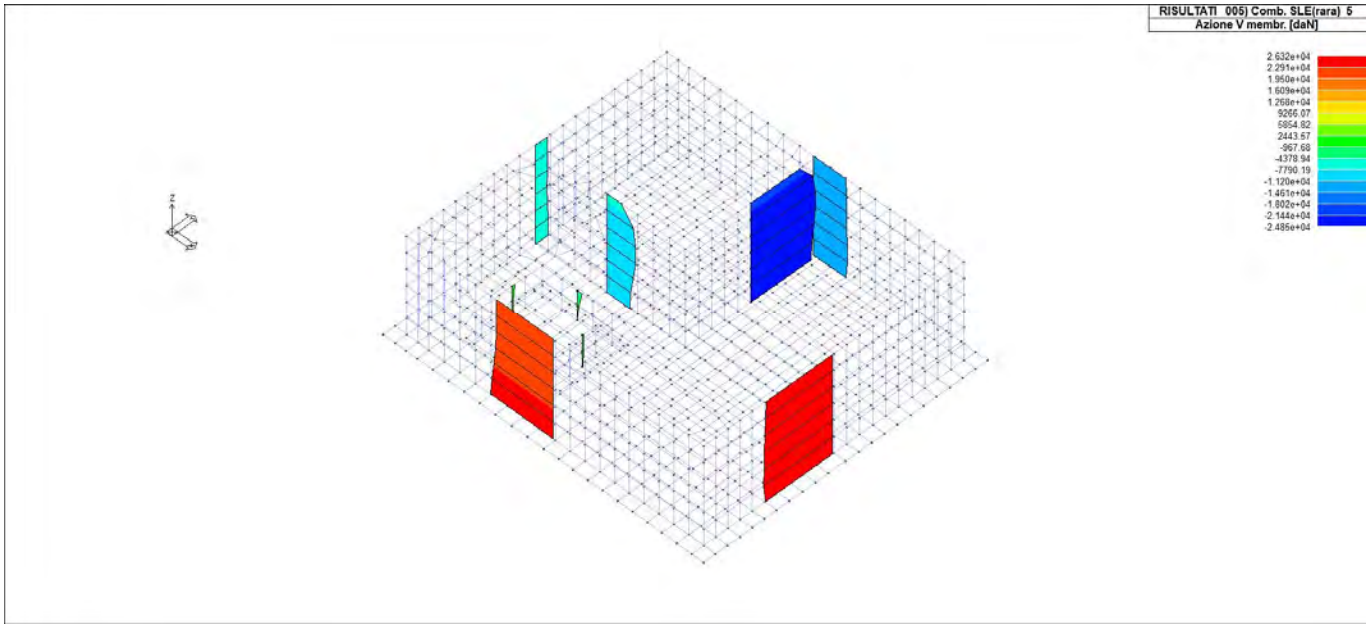


Figura 51 - RIS_V_005_Comb SLErara 5

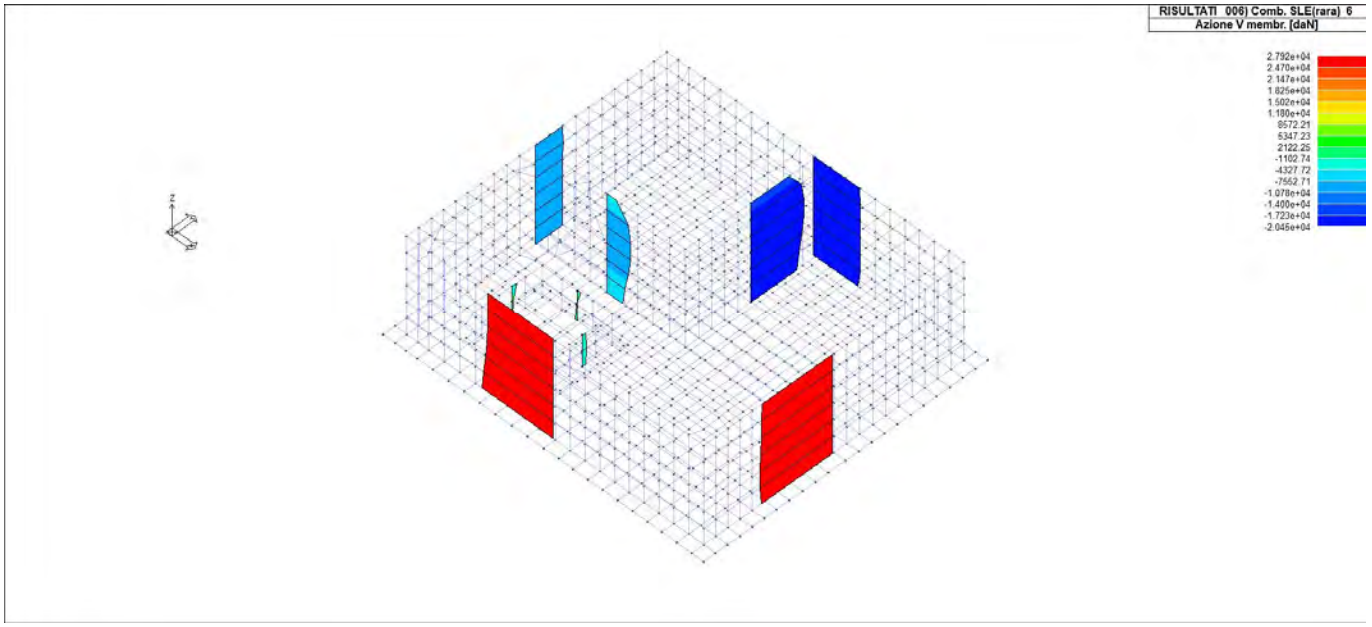


Figura 52 - RIS_V_006_Comb SLErara 6

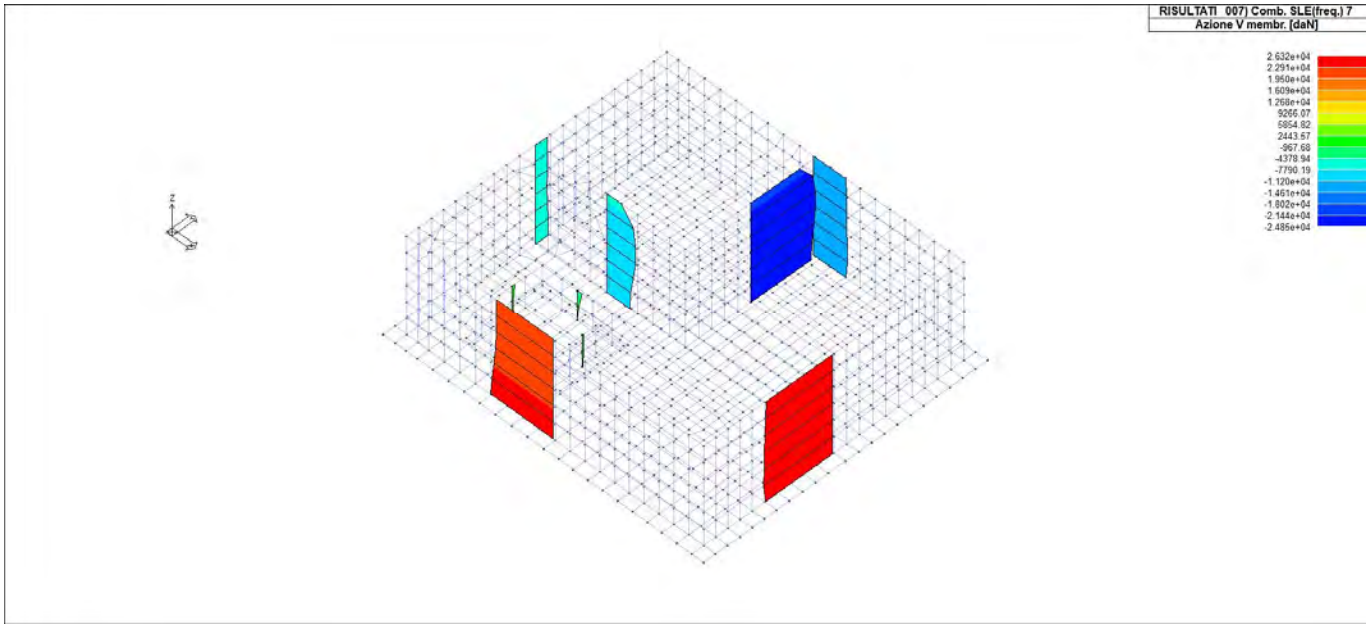


Figura 53 - RIS_V_007_Comb SLEfreq 7

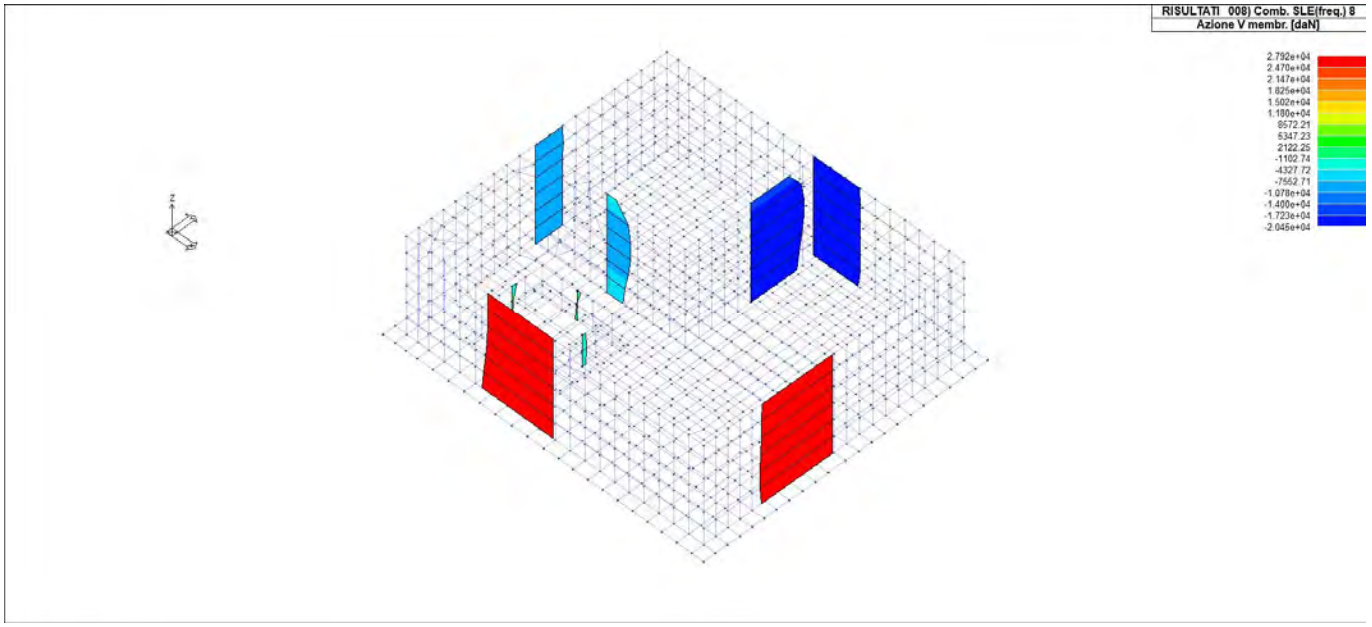


Figura 54 - RIS_V_008_Comb SLEfreq 8

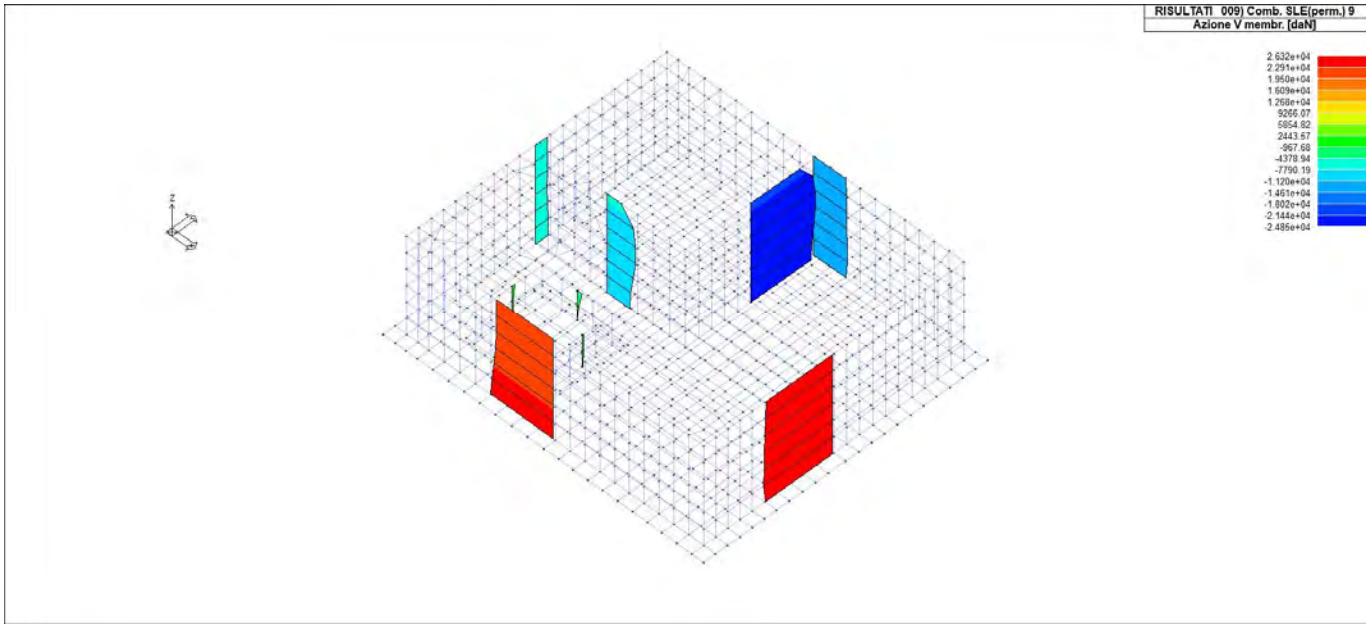


Figura 55 - RIS_V_009_Comb SLEperm 9

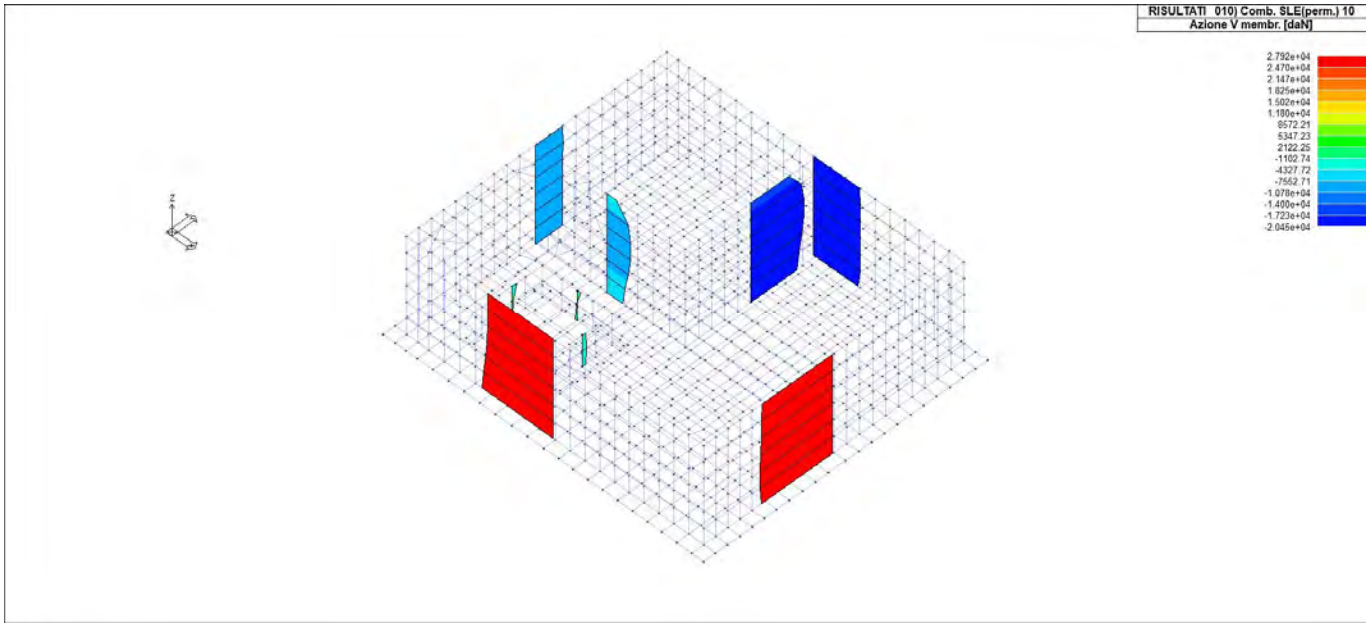
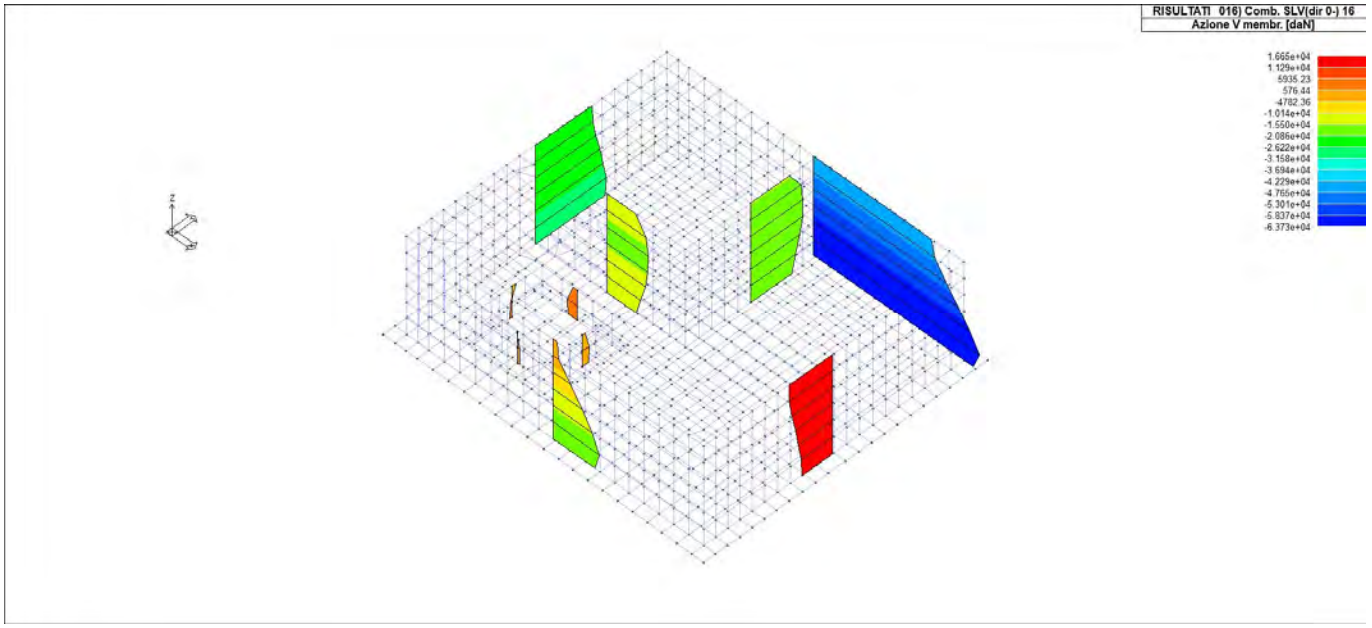


Figura 56 - RIS_V_010_Comb SLEperm 10



47_RIS_V_016_Comb SLVdir 0- 16

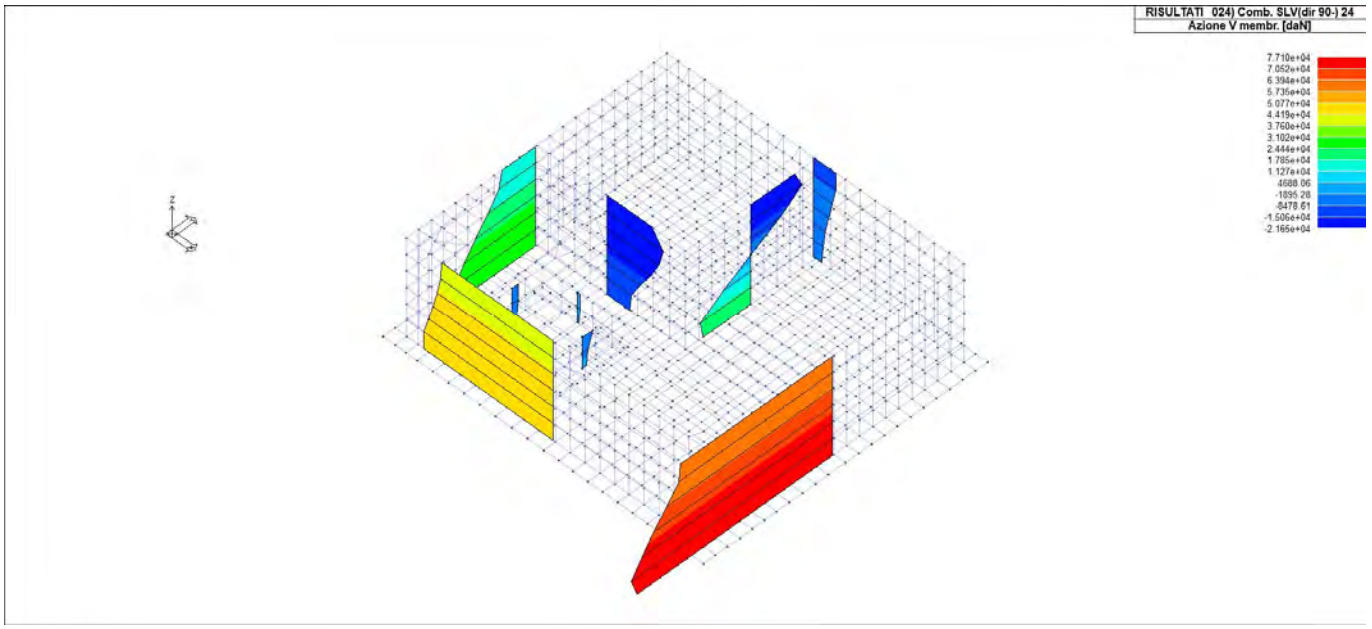


Figura 57 - RIS_V_024_Comb SLVdir 90- 24

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	2	1	1.40	-1.69	-1.62	1.33	0.47	-34.35	-228.48	-129.44	-133.39	-97.04

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	2	2	7.08	-0.28	7.05	-0.25	-0.44	64.93	-209.62	-209.56	64.88	-3.79
1	2	3	31.26	0.68	31.26	0.68	-0.13	-21.71	-88.26	-88.25	-21.72	0.66
1	2	4	43.70	0.71	43.70	0.71	0.11	-1.57	-151.68	-149.70	-3.55	-17.13
1	2	5	28.69	0.56	28.68	0.56	-0.20	-0.55	-86.37	-73.46	-13.46	-30.68
1	2	6	6.55	-0.11	6.36	7.88e-02	1.10	49.61	-114.00	-113.75	49.35	-6.45
1	2	7	0.47	-1.72	-1.41	0.16	-0.76	-30.20	-130.82	-81.59	-79.43	50.30
1	2	8	7.09	1.38	1.46	7.00	0.69	69.96	-215.52	69.35	-214.90	-13.25
1	2	9	3.38	-2.59	-2.32	3.11	-1.25	-243.14	-554.11	-393.80	-403.45	-155.41
1	2	10	30.81	5.54	30.81	5.54	-2.06e-02	353.91	-105.47	-56.31	304.75	142.01
1	2	11	45.00	7.11	44.98	7.13	0.86	479.04	-90.51	-85.44	473.96	-53.52
1	2	12	30.54	10.18	30.32	10.40	2.11	476.55	-128.58	-24.66	372.64	-228.22
1	2	13	3.75	-3.47	-0.80	1.08	3.48	-169.80	-253.47	-207.50	-215.77	41.63
1	2	14	8.28	0.14	0.16	8.27	0.30	51.60	-119.81	51.23	-119.44	-7.88
1	2	15	-0.49	-6.89	-0.62	-6.75	0.92	-22.23	-27.68	-25.25	-24.66	-2.71
1	2	16	7.01	2.48	6.98	2.52	0.39	303.49	-31.66	249.19	22.64	123.49
1	2	17	16.33	14.82	15.39	15.76	-0.73	-317.67	-763.65	-536.78	-544.54	222.96
1	2	18	21.73	17.51	17.56	21.69	0.42	-617.34	-724.47	-627.91	-713.90	-31.95
1	2	19	23.51	15.72	18.42	20.82	3.71	-259.53	-831.17	-518.62	-572.09	-284.57
1	2	20	26.01	8.22	8.49	25.75	2.16	415.86	-116.21	321.28	-21.63	-203.42
1	2	21	21.14	-9.85e-03	4.28e-02	21.08	-1.05	-7.69	-77.55	-14.76	-70.48	-21.07
1	2	22	0.10	-0.90	4.27e-02	-0.84	0.24	5.66	-39.69	-9.09	-24.95	-21.24
1	2	23	8.25	3.03	3.50	7.78	-1.50	393.41	-10.00	377.67	5.74	-78.11
1	2	24	16.52	9.29	10.41	15.41	-2.61	-618.70	-787.46	-669.27	-736.89	-77.31
1	2	25	20.36	11.74	11.86	20.24	-1.01	-792.98	-1029.73	-803.90	-1018.80	-49.66
1	2	26	19.42	14.82	15.01	19.23	0.93	-647.80	-790.94	-649.75	-788.99	-16.60
1	2	27	39.67	3.55	3.57	39.65	0.89	423.77	-95.25	422.06	-93.55	-29.70
1	2	28	32.53	0.63	0.63	32.53	-0.27	-4.70	-131.88	-5.82	-130.76	-11.89
1	2	29	-4.31e-03	-1.08	-5.10e-02	-1.03	0.22	1.78	-79.36	-19.46	-58.12	-35.67
1	2	30	8.09	3.02	3.61	7.50	-1.63	391.92	-201.42	210.23	-19.73	-273.48
1	2	31	16.77	6.95	7.92	15.79	-2.94	-147.53	-888.26	-497.63	-538.16	-369.81
1	2	32	20.43	6.86	7.15	20.14	-1.97	-530.49	-723.20	-560.93	-692.75	-70.29
1	2	33	19.61	7.93	8.20	19.35	-1.74	-267.76	-764.90	-459.65	-573.00	242.02
1	2	34	26.21	1.86	1.90	26.17	-1.05	339.50	-110.79	272.34	-43.62	160.41
1	2	35	19.90	0.50	0.50	19.89	-0.12	-11.89	-61.12	-11.97	-61.04	1.99
1	2	36	3.04	-0.49	-0.19	2.74	0.99	70.00	-214.98	69.05	-214.03	-16.42
1	2	37	3.53	-2.28	1.64	-0.39	2.72	-346.16	-436.86	-411.58	-371.44	40.67
1	2	38	9.35	5.71	8.24	6.83	-1.68	536.85	-106.42	11.90	418.53	-249.22
1	2	39	9.26	6.20	6.63	8.83	-1.07	626.63	49.32	54.67	621.28	-55.32
1	2	40	11.60	-4.11	-4.08	11.56	-0.70	539.33	65.21	103.25	501.29	128.80
1	2	41	0.53	-5.15	0.46	-5.08	0.63	-106.82	-188.11	-173.37	-121.57	-31.32
1	2	42	2.04	-1.76	-1.25	1.53	-1.30	41.14	-62.60	38.68	-60.15	15.78
1	2	43	0.42	-2.27	4.70e-02	-1.90	0.92	-31.14	-185.16	-104.47	-111.83	76.92
1	2	44	5.50	-0.35	5.50	-0.35	1.31e-02	69.05	-243.40	-243.20	68.85	-7.96
1	2	45	4.00	-0.46	4.00	-0.46	6.50e-02	-1.82	-76.96	-58.55	-20.23	-32.32
1	2	46	2.36	-0.15	2.36	-0.15	-2.28e-02	-1.12	-40.98	-34.77	-7.34	-14.46
1	2	47	-0.81	-8.50	-8.49	-0.82	0.20	23.31	-15.59	23.11	-15.38	2.84
1	2	48	1.04	-1.42e-02	0.60	0.42	-0.52	42.73	-94.09	-93.42	42.05	-9.60
1	2	49	1.04	-1.42	1.04	-1.42	0.12	-28.70	-101.61	-64.94	-65.37	-36.46
1	6	1	1.24	-1.45	-1.39	1.18	0.39	-26.43	-170.69	-97.21	-99.91	-72.12
1	6	2	5.74	-0.26	5.69	-0.22	-0.49	48.49	-148.74	-148.71	48.46	-2.54
1	6	3	25.64	0.58	25.64	0.58	-7.83e-02	-16.28	-66.15	-66.15	-16.28	-0.32
1	6	4	35.96	0.58	35.96	0.58	7.26e-02	-1.13	-122.26	-120.57	-2.81	-14.18
1	6	5	23.87	0.48	23.87	0.48	-0.15	-0.44	-72.51	-62.82	-10.13	-24.58
1	6	6	4.67	-0.11	4.53	2.73e-02	0.81	37.95	-88.91	-88.67	37.71	-5.48
1	6	7	0.49	-1.39	-1.08	0.18	-0.70	-22.80	-98.55	-61.52	-59.84	37.87
1	6	8	5.91	1.13	1.18	5.86	0.50	52.76	-156.14	52.18	-155.57	-10.95
1	6	9	2.25	-2.51	-2.43	2.17	-0.62	-170.93	-406.57	-283.17	-294.34	-117.69
1	6	10	24.84	4.57	24.81	4.60	0.79	280.79	-77.91	-41.75	244.63	108.00
1	6	11	36.78	5.57	36.69	5.67	1.74	378.14	-74.41	-69.99	373.73	-44.48
1	6	12	25.45	7.65	24.98	8.12	2.85	373.93	-105.31	-23.97	292.59	-179.90
1	6	13	3.80	-2.69	-0.23	1.35	3.15	-135.75	-188.07	-159.34	-164.48	26.03
1	6	14	5.94	0.12	0.12	5.94	0.15	39.62	-93.01	39.25	-92.64	-7.02
1	6	15	-0.39	-5.26	-0.53	-5.12	0.81	-11.56	-20.35	-19.26	-12.64	-2.89
1	6	16	6.30	1.10	6.07	1.33	1.08	249.49	-11.66	211.23	26.61	92.35
1	6	17	13.38	11.38	12.43	12.32	1.00	-253.98	-590.14	-420.35	-423.77	168.07
1	6	18	18.50	12.77	14.14	17.12	2.45	-481.62	-571.52	-493.64	-559.50	-30.59
1	6	19	20.97	10.21	14.66	16.52	5.30	-202.95	-657.39	-408.49	-451.85	-226.18

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	6	20	21.73	5.66	6.25	21.14	3.04	323.76	-99.16	248.08	-23.48	-162.11
1	6	21	16.51	2.73e-02	6.71e-02	16.47	-0.81	-5.51	-66.22	-11.13	-60.60	-17.59
1	6	22	0.20	-0.27	3.48e-02	-0.11	0.22	4.47	-32.86	-7.33	-21.07	-17.35
1	6	23	6.39	2.92	2.95	6.36	-0.31	319.94	-8.49	306.78	4.68	-64.43
1	6	24	11.81	8.44	8.46	11.79	-0.27	-478.44	-624.88	-524.70	-578.62	-68.08
1	6	25	15.95	9.04	9.35	15.64	1.42	-618.79	-811.80	-630.39	-800.20	-45.87
1	6	26	17.12	9.56	11.61	15.07	3.36	-506.43	-624.54	-509.36	-621.60	-18.38
1	6	27	31.80	2.34	2.52	31.62	2.28	330.99	-77.75	329.53	-76.28	-24.44
1	6	28	25.78	0.51	0.51	25.78	-0.18	-3.92	-105.06	-4.82	-104.17	-9.46
1	6	29	0.23	-0.28	1.20e-02	-6.59e-02	0.25	1.47	-66.92	-14.20	-51.24	-28.75
1	6	30	6.71	2.51	2.53	6.69	-0.32	312.50	-161.92	171.56	-20.97	-216.80
1	6	31	11.88	6.14	6.16	11.85	-0.35	-113.01	-706.92	-392.28	-427.65	-296.43
1	6	32	15.29	5.17	5.25	15.22	0.87	-411.18	-575.52	-439.52	-547.18	-62.08
1	6	33	15.10	5.66	5.84	14.91	1.32	-214.43	-595.04	-358.08	-451.40	184.50
1	6	34	20.35	1.46	1.49	20.32	0.75	270.66	-84.75	217.15	-31.24	127.10
1	6	35	16.31	0.40	0.40	16.31	-2.94e-02	-9.20	-43.91	-9.35	-43.77	2.21
1	6	36	1.64	-0.61	-0.29	1.32	0.79	52.70	-163.27	51.71	-162.28	-14.53
1	6	37	3.35	-1.79	1.72	-0.16	2.39	-270.77	-312.78	-306.17	-277.38	15.30
1	6	38	5.71	4.76	5.64	4.83	-0.25	424.15	-89.85	7.57	326.73	-201.46
1	6	39	6.67	3.24	3.32	6.59	0.51	494.15	42.59	47.40	489.34	-46.36
1	6	40	9.35	-5.32	-5.25	9.28	1.02	431.07	59.49	89.43	401.12	101.14
1	6	41	0.19	-4.84	1.05e-02	-4.66	0.94	-75.74	-133.63	-125.99	-83.38	-19.59
1	6	42	2.29	-1.40	-1.00	1.89	-1.14	32.02	-42.60	29.50	-40.08	13.46
1	6	43	0.39	-1.77	0.15	-1.53	0.67	-23.10	-133.85	-75.73	-81.22	55.31
1	6	44	3.42	-0.29	3.42	-0.28	-2.95e-02	52.30	-184.29	-184.01	52.02	-8.15
1	6	45	1.11	-0.38	1.11	-0.38	6.30e-02	0.66	-62.83	-47.05	-15.13	-27.44
1	6	46	-0.15	-0.64	-0.64	-0.15	5.00e-03	0.23	-28.10	-21.56	-6.31	-11.94
1	6	47	-0.70	-8.54	-8.53	-0.71	0.24	25.83	-12.39	25.60	-12.16	2.96
1	6	48	1.33	0.17	1.09	0.42	-0.47	33.00	-68.30	-67.79	32.48	-7.24
1	6	49	0.85	-1.21	0.85	-1.21	1.98e-02	-22.15	-75.46	-48.53	-49.08	-26.65
1	8	1	1.24	-1.45	-1.39	1.18	0.39	-26.43	-170.69	-97.21	-99.91	-72.12
1	8	2	5.74	-0.26	5.69	-0.22	-0.49	48.49	-148.74	-148.71	48.46	-2.54
1	8	3	25.64	0.58	25.64	0.58	-7.83e-02	-16.28	-66.15	-66.15	-16.28	-0.32
1	8	4	35.96	0.58	35.96	0.58	7.26e-02	-1.13	-122.26	-120.57	-2.81	-14.18
1	8	5	23.87	0.48	23.87	0.48	-0.15	-0.44	-72.51	-62.82	-10.13	-24.58
1	8	6	4.67	-0.11	4.53	2.73e-02	0.81	37.95	-88.91	-88.67	37.71	-5.48
1	8	7	0.49	-1.39	-1.08	0.18	-0.70	-22.80	-98.55	-61.52	-59.84	37.87
1	8	8	5.91	1.13	1.18	5.86	0.50	52.76	-156.14	52.18	-155.57	-10.95
1	8	9	2.25	-2.51	-2.43	2.17	-0.62	-170.93	-406.57	-283.17	-294.34	-117.69
1	8	10	24.84	4.57	24.81	4.60	0.79	280.79	-77.91	-41.75	244.63	108.00
1	8	11	36.78	5.57	36.69	5.67	1.74	378.14	-74.41	-69.99	373.73	-44.48
1	8	12	25.45	7.65	24.98	8.12	2.85	373.93	-105.31	-23.97	292.59	-179.90
1	8	13	3.80	-2.69	-0.23	1.35	3.15	-135.75	-188.07	-159.34	-164.48	26.03
1	8	14	5.94	0.12	0.12	5.94	0.15	39.62	-93.01	39.25	-92.64	-7.02
1	8	15	-0.39	-5.26	-0.53	-5.12	0.81	-11.56	-20.35	-19.26	-12.64	-2.89
1	8	16	6.30	1.10	6.07	1.33	1.08	249.49	-11.66	211.23	26.61	92.35
1	8	17	13.38	11.38	12.43	12.32	1.00	-253.98	-590.14	-420.35	-423.77	168.07
1	8	18	18.50	12.77	14.14	17.12	2.45	-481.62	-571.52	-493.64	-559.50	-30.59
1	8	19	20.97	10.21	14.66	16.52	5.30	-202.95	-657.39	-408.49	-451.85	-226.18
1	8	20	21.73	5.66	6.25	21.14	3.04	323.76	-99.16	248.08	-23.48	-162.11
1	8	21	16.51	2.73e-02	6.71e-02	16.47	-0.81	-5.51	-66.22	-11.13	-60.60	-17.59
1	8	22	0.20	-0.27	3.48e-02	-0.11	0.22	4.47	-32.86	-7.33	-21.07	-17.35
1	8	23	6.39	2.92	2.95	6.36	-0.31	319.94	-8.49	306.78	4.68	-64.43
1	8	24	11.81	8.44	8.46	11.79	-0.27	-478.44	-624.88	-524.70	-578.62	-68.08
1	8	25	15.95	9.04	9.35	15.64	1.42	-618.79	-811.80	-630.39	-800.20	-45.87
1	8	26	17.12	9.56	11.61	15.07	3.36	-506.43	-624.54	-509.36	-621.60	-18.38
1	8	27	31.80	2.34	2.52	31.62	2.28	330.99	-77.75	329.53	-76.28	-24.44
1	8	28	25.78	0.51	0.51	25.78	-0.18	-3.92	-105.06	-4.82	-104.17	-9.46
1	8	29	0.23	-0.28	1.20e-02	-6.59e-02	0.25	1.47	-66.92	-14.20	-51.24	-28.75
1	8	30	6.71	2.51	2.53	6.69	-0.32	312.50	-161.92	171.56	-20.97	-216.80
1	8	31	11.88	6.14	6.16	11.85	-0.35	-113.01	-706.92	-392.28	-427.65	-296.43
1	8	32	15.29	5.17	5.25	15.22	0.87	-411.18	-575.52	-439.52	-547.18	-62.08
1	8	33	15.10	5.66	5.84	14.91	1.32	-214.43	-595.04	-358.08	-451.40	184.50
1	8	34	20.35	1.46	1.49	20.32	0.75	270.66	-84.75	217.15	-31.24	127.10
1	8	35	16.31	0.40	0.40	16.31	-2.94e-02	-9.20	-43.91	-9.35	-43.77	2.21
1	8	36	1.64	-0.61	-0.29	1.32	0.79	52.70	-163.27	51.71	-162.28	-14.53
1	8	37	3.35	-1.79	1.72	-0.16	2.39	-270.77	-312.78	-306.17	-277.38	15.30

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	8	38	5.71	4.76	5.64	4.83	-0.25	424.15	-89.85	7.57	326.73	-201.46
1	8	39	6.67	3.24	3.32	6.59	0.51	494.15	42.59	47.40	489.34	-46.36
1	8	40	9.35	-5.32	-5.25	9.28	1.02	431.07	59.49	89.43	401.12	101.14
1	8	41	0.19	-4.84	1.05e-02	-4.66	0.94	-75.74	-133.63	-125.99	-83.38	-19.59
1	8	42	2.29	-1.40	-1.00	1.89	-1.14	32.02	-42.60	29.50	-40.08	13.46
1	8	43	0.39	-1.77	0.15	-1.53	0.67	-23.10	-133.85	-75.73	-81.22	55.31
1	8	44	3.42	-0.29	3.42	-0.28	-2.95e-02	52.30	-184.29	-184.01	52.02	-8.15
1	8	45	1.11	-0.38	1.11	-0.38	6.30e-02	0.66	-62.83	-47.05	-15.13	-27.44
1	8	46	-0.15	-0.64	-0.64	-0.15	5.00e-03	0.23	-28.10	-21.56	-6.31	-11.94
1	8	47	-0.70	-8.54	-8.53	-0.71	0.24	25.83	-12.39	25.60	-12.16	2.96
1	8	48	1.33	0.17	1.09	0.42	-0.47	33.00	-68.30	-67.79	32.48	-7.24
1	8	49	0.85	-1.21	0.85	-1.21	1.98e-02	-22.15	-75.46	-48.53	-49.08	-26.65
1	10	1	1.24	-1.45	-1.39	1.18	0.39	-26.43	-170.69	-97.21	-99.91	-72.12
1	10	2	5.74	-0.26	5.69	-0.22	-0.49	48.49	-148.74	-148.71	48.46	-2.54
1	10	3	25.64	0.58	25.64	0.58	-7.83e-02	-16.28	-66.15	-66.15	-16.28	-0.32
1	10	4	35.96	0.58	35.96	0.58	7.26e-02	-1.13	-122.26	-120.57	-2.81	-14.18
1	10	5	23.87	0.48	23.87	0.48	-0.15	-0.44	-72.51	-62.82	-10.13	-24.58
1	10	6	4.67	-0.11	4.53	2.73e-02	0.81	37.95	-88.91	-88.67	37.71	-5.48
1	10	7	0.49	-1.39	-1.08	0.18	-0.70	-22.80	-98.55	-61.52	-59.84	37.87
1	10	8	5.91	1.13	1.18	5.86	0.50	52.76	-156.14	52.18	-155.57	-10.95
1	10	9	2.25	-2.51	-2.43	2.17	-0.62	-170.93	-406.57	-283.17	-294.34	-117.69
1	10	10	24.84	4.57	24.81	4.60	0.79	280.79	-77.91	-41.75	244.63	108.00
1	10	11	36.78	5.57	36.69	5.67	1.74	378.14	-74.41	-69.99	373.73	-44.48
1	10	12	25.45	7.65	24.98	8.12	2.85	373.93	-105.31	-23.97	292.59	-179.90
1	10	13	3.80	-2.69	-0.23	1.35	3.15	-135.75	-188.07	-159.34	-164.48	26.03
1	10	14	5.94	0.12	0.12	5.94	0.15	39.62	-93.01	39.25	-92.64	-7.02
1	10	15	-0.39	-5.26	-0.53	-5.12	0.81	-11.56	-20.35	-19.26	-12.64	-2.89
1	10	16	6.30	1.10	6.07	1.33	1.08	249.49	-11.66	211.23	26.61	92.35
1	10	17	13.38	11.38	12.43	12.32	1.00	-253.98	-590.14	-420.35	-423.77	168.07
1	10	18	18.50	12.77	14.14	17.12	2.45	-481.62	-571.52	-493.64	-559.50	-30.59
1	10	19	20.97	10.21	14.66	16.52	5.30	-202.95	-657.39	-408.49	-451.85	-226.18
1	10	20	21.73	5.66	6.25	21.14	3.04	323.76	-99.16	248.08	-23.48	-162.11
1	10	21	16.51	2.73e-02	6.71e-02	16.47	-0.81	-5.51	-66.22	-11.13	-60.60	-17.59
1	10	22	0.20	-0.27	3.48e-02	-0.11	0.22	4.47	-32.86	-7.33	-21.07	-17.35
1	10	23	6.39	2.92	2.95	6.36	-0.31	319.94	-8.49	306.78	4.68	-64.43
1	10	24	11.81	8.44	8.46	11.79	-0.27	-478.44	-624.88	-524.70	-578.62	-68.08
1	10	25	15.95	9.04	9.35	15.64	1.42	-618.79	-811.80	-630.39	-800.20	-45.87
1	10	26	17.12	9.56	11.61	15.07	3.36	-506.43	-624.54	-509.36	-621.60	-18.38
1	10	27	31.80	2.34	2.52	31.62	2.28	330.99	-77.75	329.53	-76.28	-24.44
1	10	28	25.78	0.51	0.51	25.78	-0.18	-3.92	-105.06	-4.82	-104.17	-9.46
1	10	29	0.23	-0.28	1.20e-02	-6.59e-02	0.25	1.47	-66.92	-14.20	-51.24	-28.75
1	10	30	6.71	2.51	2.53	6.69	-0.32	312.50	-161.92	171.56	-20.97	-216.80
1	10	31	11.88	6.14	6.16	11.85	-0.35	-113.01	-706.92	-392.28	-427.65	-296.43
1	10	32	15.29	5.17	5.25	15.22	0.87	-411.18	-575.52	-439.52	-547.18	-62.08
1	10	33	15.10	5.66	5.84	14.91	1.32	-214.43	-595.04	-358.08	-451.40	184.50
1	10	34	20.35	1.46	1.49	20.32	0.75	270.66	-84.75	217.15	-31.24	127.10
1	10	35	16.31	0.40	0.40	16.31	-2.94e-02	-9.20	-43.91	-9.35	-43.77	2.21
1	10	36	1.64	-0.61	-0.29	1.32	0.79	52.70	-163.27	51.71	-162.28	-14.53
1	10	37	3.35	-1.79	1.72	-0.16	2.39	-270.77	-312.78	-306.17	-277.38	15.30
1	10	38	5.71	4.76	5.64	4.83	-0.25	424.15	-89.85	7.57	326.73	-201.46
1	10	39	6.67	3.24	3.32	6.59	0.51	494.15	42.59	47.40	489.34	-46.36
1	10	40	9.35	-5.32	-5.25	9.28	1.02	431.07	59.49	89.43	401.12	101.14
1	10	41	0.19	-4.84	1.05e-02	-4.66	0.94	-75.74	-133.63	-125.99	-83.38	-19.59
1	10	42	2.29	-1.40	-1.00	1.89	-1.14	32.02	-42.60	29.50	-40.08	13.46
1	10	43	0.39	-1.77	0.15	-1.53	0.67	-23.10	-133.85	-75.73	-81.22	55.31
1	10	44	3.42	-0.29	3.42	-0.28	-2.95e-02	52.30	-184.29	-184.01	52.02	-8.15
1	10	45	1.11	-0.38	1.11	-0.38	6.30e-02	0.66	-62.83	-47.05	-15.13	-27.44
1	10	46	-0.15	-0.64	-0.64	-0.15	5.00e-03	0.23	-28.10	-21.56	-6.31	-11.94
1	10	47	-0.70	-8.54	-8.53	-0.71	0.24	25.83	-12.39	25.60	-12.16	2.96
1	10	48	1.33	0.17	1.09	0.42	-0.47	33.00	-68.30	-67.79	32.48	-7.24
1	10	49	0.85	-1.21	0.85	-1.21	1.98e-02	-22.15	-75.46	-48.53	-49.08	-26.65
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-8.54	-8.53	-6.75	-2.94		-1029.73	-803.90	-1018.80	-369.81
			45.00		44.98	39.65	5.30	626.63		422.06	621.28	242.02

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
6	2	66	1.93	-7.84	-0.27	-5.64	-4.08	-139.26	-557.13	-342.68	-353.71	-208.86
6	2	67	20.92	4.24	20.35	4.80	3.02	269.13	-793.47	-782.16	257.82	109.04
6	2	68	5.32	-1.61	4.51	-0.80	2.23	-7.33	-668.73	-662.57	-13.50	-63.55
6	2	69	-0.86	-16.60	-16.54	-0.92	0.98	-18.79	-112.72	-106.08	-25.43	24.07
6	2	70	-0.52	-29.67	-29.67	-0.53	0.38	97.66	-50.02	64.51	-16.87	61.62
6	2	71	-7.74e-02	-30.12	-30.12	-8.00e-02	0.28	60.89	-11.69	57.84	-8.65	14.55
6	2	72	0.12	-27.75	-27.75	0.12	0.34	79.47	-31.45	61.85	-13.82	-40.55
6	2	73	0.21	-27.92	-27.92	0.20	0.49	126.89	-85.35	57.36	-15.82	-99.61
6	2	74	0.20	-32.19	-32.18	0.19	0.58	152.41	-131.86	28.76	-8.22	-140.93
6	2	75	0.12	-38.90	-38.89	0.11	0.65	169.67	-150.47	20.30	-1.11	-159.71
6	2	76	9.57e-02	-45.66	-45.65	8.51e-02	0.70	162.19	-153.59	6.31	2.29	-157.87
6	2	77	0.10	-51.13	-51.12	9.58e-02	0.59	117.08	-125.27	-16.94	8.75	-120.49
6	2	78	9.19e-02	-54.25	-54.25	8.59e-02	0.57	93.69	-98.81	-15.22	10.11	-95.42
6	2	79	8.17e-02	-55.87	-55.87	7.70e-02	0.51	52.27	-64.36	-21.07	8.98	-56.35
6	2	80	7.85e-02	-56.14	-56.13	7.48e-02	0.46	14.79	-26.67	-21.02	9.14	-14.23
6	2	81	4.74e-02	-55.32	-55.32	4.41e-02	0.43	25.05	-23.22	-4.68	6.51	23.48
6	2	82	-4.07e-02	-53.73	-53.72	-4.35e-02	0.39	60.02	-53.13	0.20	6.70	56.48
6	2	83	-0.20	-50.73	-50.73	-0.20	0.30	96.25	-88.77	-3.01	10.49	92.26
6	2	84	-0.47	-44.13	-44.13	-0.47	0.14	143.48	-107.31	24.51	11.67	125.23
6	2	85	-0.90	-30.38	-30.38	-0.90	-6.07e-03	170.12	-109.48	61.16	-0.53	136.36
6	2	86	-0.74	-5.08	-4.59	-1.23	-1.37	63.05	-351.39	-226.76	-61.58	190.05
6	2	87	22.74	2.55	22.70	2.58	-0.80	175.70	-470.67	-465.93	170.95	55.18
6	2	88	3.16	-8.66	-1.62	-3.88	5.80	-120.41	-540.03	-330.60	-329.83	209.81
6	2	89	24.39	-0.12	-2.64e-03	24.28	1.67	264.10	-738.61	246.36	-720.87	132.17
6	2	90	23.54	-9.80	16.23	-2.49	-13.79	-1416.98	-1929.18	-1741.12	-1605.03	-246.89
6	2	91	23.27	-0.14	15.26	7.87	11.11	-524.65	-1064.71	-529.22	-1060.13	49.49
6	2	92	5.94	-3.85	-2.96	5.05	2.83	-122.82	-764.81	-177.62	-710.01	179.38
6	2	93	4.42	-18.62	-15.75	1.55	-7.61	10.82	-524.78	-72.45	-441.51	194.07
6	2	94	6.44	-25.43	-18.88	-0.11	-12.88	-21.90	-257.33	-56.73	-222.50	83.59
6	2	95	7.77	-28.21	-20.05	-0.38	-15.06	17.36	-127.42	-39.83	-70.23	-70.78
6	2	96	8.17	-30.71	-22.32	-0.22	-15.99	196.67	-303.64	-41.10	-65.87	-249.85
6	2	97	7.77	-34.97	-26.95	-0.24	-16.68	240.69	-573.69	-70.00	-262.99	-395.59
6	2	98	7.18	-41.28	-33.70	-0.41	-17.60	160.43	-875.79	-107.99	-607.36	-453.98
6	2	99	6.62	-47.38	-39.92	-0.84	-18.63	28.56	-1136.26	-159.30	-948.41	-428.40
6	2	100	6.11	-52.21	-44.73	-1.37	-19.51	-110.63	-1328.20	-215.18	-1223.65	-341.12
6	2	101	5.60	-55.51	-48.21	-1.70	-19.83	-191.83	-1468.05	-245.01	-1414.87	-255.04
6	2	102	4.99	-57.30	-50.19	-2.12	-19.81	-250.39	-1560.62	-268.48	-1542.53	-152.88
6	2	103	4.33	-57.61	-50.73	-2.56	-19.47	-286.39	-1632.72	-288.22	-1630.89	-49.66
6	2	104	3.55	-56.84	-50.25	-3.04	-18.83	-300.02	-1701.57	-301.07	-1700.52	38.35
6	2	105	2.70	-55.10	-48.76	-3.64	-18.06	-299.52	-1768.68	-308.52	-1759.68	114.65
6	2	106	2.23	-52.35	-45.88	-4.24	-17.65	-278.93	-1827.05	-306.06	-1799.93	203.12
6	2	107	3.06	-48.00	-40.48	-4.46	-18.10	-217.01	-1836.78	-277.96	-1775.84	308.23
6	2	108	7.04	-40.49	-29.51	-3.95	-20.04	-111.81	-1694.73	-223.29	-1583.25	405.01
6	2	109	19.29	-29.41	-9.00	-1.12	-24.03	-108.49	-1432.29	-315.75	-1225.02	481.06
6	2	110	-1.35	-9.58	-1.45	-9.48	0.92	-695.06	-1831.86	-1305.68	-1221.25	566.83
6	2	111	23.90	0.98	0.99	23.89	0.30	174.13	-401.13	173.84	-400.84	12.86
6	2	112	31.40	1.31	1.32	31.39	-0.49	-17.65	-572.42	-17.99	-572.07	-13.84
6	2	113	31.95	-0.19	1.42	30.34	7.00	-432.23	-1312.16	-1270.85	-473.54	186.13
6	2	114	35.37	-4.70	2.74	27.93	15.58	330.46	-388.07	-123.43	65.83	346.58
6	2	115	18.09	-2.91	-2.81	17.98	1.47	633.59	-177.89	96.63	359.07	383.94
6	2	116	15.78	-18.14	-10.57	8.21	-14.13	741.06	-109.49	59.63	571.94	339.48
6	2	117	18.62	-31.30	-16.37	3.70	-22.85	761.88	-77.53	-16.07	700.43	218.66
6	2	118	21.30	-39.38	-21.07	2.99	-27.86	845.59	-64.46	-63.98	845.12	20.86
6	2	119	23.61	-45.31	-24.75	3.05	-31.53	1018.11	-136.79	-70.88	952.20	-267.91
6	2	120	24.61	-50.31	-27.96	2.25	-34.28	1177.75	-242.76	17.22	917.77	-549.29
6	2	121	24.54	-55.13	-31.27	0.68	-36.49	1182.81	-273.19	154.27	755.35	-663.07
6	2	122	24.01	-59.69	-34.61	-1.07	-38.34	1017.40	-248.22	220.40	548.79	-611.14
6	2	123	22.92	-63.40	-37.73	-2.75	-39.46	771.42	-209.37	206.01	356.03	-484.63

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
6	2	124	21.69	-65.73	-39.83	-4.21	-39.92	571.77	-132.50	199.82	239.45	-351.58
6	2	125	20.17	-66.72	-41.07	-5.48	-39.64	399.40	-43.23	190.93	165.24	-220.95
6	2	126	18.53	-66.57	-41.40	-6.63	-38.84	240.88	19.33	160.33	99.88	-106.57
6	2	127	16.80	-65.35	-40.74	-7.81	-37.64	127.87	36.16	125.67	38.36	-14.02
6	2	128	15.19	-63.27	-38.87	-9.21	-36.32	156.88	-29.95	125.31	1.62	70.01
6	2	129	14.39	-60.50	-35.42	-10.68	-35.34	282.05	-113.64	171.48	-3.06	177.56
6	2	130	15.78	-57.10	-29.76	-11.56	-35.29	478.25	-229.84	236.21	12.20	335.86
6	2	131	21.46	-53.11	-21.28	-10.37	-36.89	687.22	-404.39	259.00	23.83	532.99
6	2	132	32.92	-48.19	-11.35	-3.92	-40.39	603.11	-702.89	-35.19	-64.58	652.84
6	2	133	21.14	-22.35	-2.58	1.38	-21.65	-184.30	-1509.39	-1314.20	-379.50	469.63
6	2	134	12.95	-0.53	-0.50	12.92	-0.65	80.00	-377.35	-50.70	-246.64	206.62
6	2	135	36.54	0.48	0.48	36.54	0.12	75.59	-168.45	-7.01	-85.85	115.47
6	2	136	36.56	-5.66	-2.37	33.27	11.32	-0.68	-1056.11	-880.49	-176.30	393.09
6	2	137	45.85	-15.74	-9.52	39.62	18.56	642.84	-482.88	-13.12	173.08	555.11
6	2	138	33.51	-11.05	-10.37	32.82	5.48	712.51	-367.54	31.71	313.27	521.35
6	2	139	20.40	-14.75	-11.79	17.44	-9.76	557.29	-332.59	-96.27	320.97	393.00
6	2	140	17.47	-25.94	-17.07	8.60	-17.50	456.23	-346.48	-212.90	322.65	298.97
6	2	141	19.51	-36.22	-23.59	6.88	-23.33	513.84	-392.22	-363.39	485.02	159.02
6	2	142	22.63	-43.70	-27.08	6.02	-28.74	763.97	-490.91	-461.23	734.30	-190.68
6	2	143	24.03	-47.72	-27.93	4.24	-32.07	1120.15	-501.08	-233.68	852.74	-601.68
6	2	144	24.33	-50.49	-28.55	2.38	-34.06	1344.87	-311.88	161.06	871.93	-748.24
6	2	145	24.16	-53.49	-29.77	0.44	-35.77	1368.33	-80.21	390.72	897.40	-678.52
6	2	146	23.56	-56.46	-31.21	-1.69	-37.19	1264.47	112.87	460.27	917.07	-528.56
6	2	147	22.70	-58.56	-32.25	-3.61	-38.02	1147.86	270.04	483.57	934.33	-376.62
6	2	148	21.65	-59.84	-32.84	-5.34	-38.36	1041.79	370.74	469.76	942.77	-237.99
6	2	149	20.54	-60.23	-32.80	-6.89	-38.25	966.21	398.30	428.34	936.17	-127.13
6	2	150	19.56	-59.85	-31.98	-8.31	-37.90	916.64	385.58	388.08	914.15	-36.32
6	2	151	19.11	-58.94	-30.18	-9.65	-37.65	893.77	390.31	395.58	888.50	51.22
6	2	152	19.92	-57.83	-27.25	-10.66	-37.98	915.17	415.87	470.65	860.39	156.05
6	2	153	22.87	-56.82	-23.26	-10.69	-39.34	996.61	363.80	565.00	795.41	294.68
6	2	154	28.31	-55.82	-18.87	-8.64	-41.76	1037.12	136.68	544.30	629.49	448.20
6	2	155	33.65	-53.68	-15.64	-4.39	-43.30	710.27	-379.76	46.44	284.07	531.90
6	2	156	17.07	-27.80	-5.39	-5.34	-22.44	-121.49	-1596.00	-1474.90	-242.58	404.83
6	2	157	2.57	-0.72	-0.67	2.52	0.39	152.86	-155.53	-3.69	1.01	154.18
6	2	158	36.23	0.53	0.56	36.20	1.05	117.97	-113.39	-6.26	10.84	115.37
6	2	159	48.94	-9.40	-3.98	43.52	16.93	201.67	-772.88	-472.86	-98.35	449.86
6	2	160	62.29	-20.10	-13.31	55.50	22.66	638.42	-652.30	-39.49	25.61	644.54
6	2	161	47.51	-14.44	-14.09	47.16	4.66	305.99	-649.87	-231.22	-112.66	474.24
6	2	162	25.23	-14.29	-12.94	23.89	-7.16	-106.44	-695.84	-353.09	-449.19	290.76
6	2	163	15.75	-24.04	-21.16	12.87	-10.32	-194.86	-869.24	-413.83	-650.27	315.78
6	2	164	19.49	-37.21	-30.62	12.90	-18.17	-276.91	-1039.98	-740.02	-576.86	372.71
6	2	165	24.89	-46.59	-32.86	11.16	-28.16	-173.29	-1124.60	-1123.38	-174.52	34.08
6	2	166	26.23	-47.79	-27.60	6.04	-32.97	472.53	-1001.61	-698.49	169.41	-595.79
6	2	167	25.87	-47.04	-24.78	3.60	-33.58	1002.44	-455.54	98.85	448.04	-707.77
6	2	168	25.63	-48.41	-24.58	1.81	-34.59	1226.77	-33.18	468.16	725.43	-616.70
6	2	169	25.20	-50.71	-25.04	-0.47	-35.91	1274.41	269.47	609.53	934.35	-475.50
6	2	170	24.55	-52.68	-25.42	-2.70	-36.91	1248.01	454.37	650.66	1051.72	-342.42
6	2	171	23.78	-54.18	-25.60	-4.79	-37.57	1185.97	531.21	618.02	1099.16	-222.04
6	2	172	23.08	-55.09	-25.39	-6.61	-37.94	1131.82	524.22	551.72	1104.32	-126.31
6	2	173	22.71	-55.50	-24.65	-8.14	-38.22	1090.44	497.13	501.42	1086.15	-50.26
6	2	174	23.04	-55.62	-23.28	-9.30	-38.71	1053.13	511.75	512.62	1052.25	21.78
6	2	175	24.54	-55.72	-21.32	-9.85	-39.72	1023.41	576.08	600.70	998.79	102.02
6	2	176	27.49	-55.92	-19.09	-9.33	-41.42	1019.66	585.76	708.63	896.79	195.49
6	2	177	31.35	-56.00	-17.17	-7.48	-43.41	962.49	387.21	660.99	688.71	287.30
6	2	178	33.93	-55.37	-15.77	-5.66	-44.36	528.32	-178.71	51.92	297.70	331.47
6	2	179	15.56	-29.46	-6.10	-7.79	-22.50	-202.28	-1642.90	-1576.18	-269.00	302.77
6	2	180	-0.36	-2.80	-0.43	-2.73	0.40	126.15	-141.08	16.02	-30.94	131.54
6	2	181	29.86	0.24	0.30	29.80	1.32	75.53	-83.22	-25.83	18.13	76.27
6	2	182	60.68	-4.86	1.27	54.55	19.08	311.73	-394.76	25.59	-108.62	346.81
6	2	183	87.70	-12.44	1.52	73.74	34.69	198.85	-910.67	-252.40	-459.42	545.02
6	2	184	79.14	-12.90	-12.09	78.33	8.60	-453.97	-978.57	-748.74	-683.81	260.28
6	2	185	20.87	-12.50	-12.49	20.86	0.56	-482.06	-1416.48	-487.58	-1410.95	71.63
6	2	186	17.97	-32.33	-32.30	17.94	-1.33	-459.80	-1616.66	-503.59	-1572.88	220.76
6	2	187	26.35	-48.94	-47.85	25.26	-9.01	-617.60	-2191.56	-816.75	-1992.42	523.25
6	2	188	36.62	-62.62	-43.42	17.42	-39.20	-1453.50	-2398.72	-2348.33	-1503.89	212.35
6	2	189	34.00	-50.65	-21.15	4.50	-40.33	-734.97	-1586.92	-1151.69	-1170.19	-425.88
6	2	190	28.53	-43.35	-18.51	3.69	-34.18	349.17	-559.01	-4.44	-205.39	-442.84

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
6	2	191	27.84	-43.45	-18.47	2.86	-34.01	870.67	-1.84	492.58	376.24	-432.36
6	2	192	27.50	-45.53	-18.76	0.73	-35.19	1045.68	338.44	672.90	711.21	-353.10
6	2	193	26.91	-47.57	-18.97	-1.68	-36.22	1085.67	515.23	721.01	879.89	-273.94
6	2	194	26.27	-49.34	-19.07	-4.00	-37.05	1050.19	577.69	681.29	946.59	-195.49
6	2	195	25.82	-50.73	-18.94	-5.97	-37.72	985.03	552.64	592.64	945.04	-125.28
6	2	196	25.80	-51.79	-18.48	-7.51	-38.41	928.30	517.41	528.64	917.07	-66.99
6	2	197	26.46	-52.65	-17.67	-8.51	-39.29	882.93	540.67	541.22	882.38	-13.75
6	2	198	28.03	-53.44	-16.63	-8.78	-40.55	844.89	629.30	636.97	837.22	39.92
6	2	199	30.46	-54.21	-15.62	-8.14	-42.17	845.99	660.25	752.19	754.05	92.87
6	2	200	33.16	-54.83	-14.87	-6.80	-43.81	782.35	487.92	691.99	578.28	135.80
6	2	201	35.11	-55.35	-14.10	-6.14	-45.06	319.22	-43.95	40.30	234.97	153.29
6	2	202	15.87	-29.46	-5.88	-7.72	-22.65	-250.81	-1595.68	-1567.23	-279.26	193.53
6	2	203	-0.26	-4.34	-0.32	-4.27	0.52	87.30	-108.11	11.60	-32.41	95.19
6	2	204	76.29	18.76	31.03	64.03	23.56	-314.57	-844.91	-323.77	-835.71	69.24
6	2	205	118.39	34.43	45.19	107.63	28.06	-1559.68	-1819.66	-1592.29	-1787.06	-86.10
6	2	206	16.60	-35.88	-29.85	10.57	16.73	-387.71	-1556.03	-388.27	-1555.47	25.43
6	2	207	26.78	-44.70	-44.10	26.18	6.52	-472.08	-1685.33	-473.22	-1684.19	37.18
6	2	208	28.49	-47.74	-46.88	27.64	8.01	-534.85	-2002.21	-536.52	-2000.55	49.40
6	2	209	69.38	-108.03	-38.81	0.16	-86.54	-3320.18	-4143.74	-3648.16	-3815.77	403.16
6	2	210	32.21	-45.66	-9.13	-4.31	-38.86	-1107.33	-1846.15	-1176.93	-1776.56	215.81
6	2	211	27.63	-0.29	-0.29	27.63	6.48e-02	21.83	-41.40	-29.93	10.37	24.36
6	2	212	62.91	4.97	5.88	62.00	7.23	245.93	-93.67	236.24	-83.98	56.52
6	2	213	29.30	-36.04	-8.72	1.98	-32.23	-236.02	-618.33	-236.11	-618.24	5.58
6	2	214	30.28	-37.75	-11.34	3.86	-33.15	500.51	6.15	438.43	68.23	-163.82
6	2	215	30.09	-40.37	-12.22	1.94	-34.51	782.45	341.47	660.29	463.63	-197.36
6	2	216	29.46	-42.78	-12.73	-0.60	-35.61	881.18	486.14	721.25	646.07	-193.91
6	2	217	28.82	-44.96	-13.09	-3.05	-36.55	870.18	532.17	689.45	712.91	-168.60
6	2	218	28.46	-46.83	-13.25	-5.11	-37.42	791.48	512.45	597.97	705.97	-128.64
6	2	219	28.56	-48.40	-13.19	-6.64	-38.34	713.78	489.56	527.63	675.70	-84.18
6	2	220	29.26	-49.74	-12.93	-7.55	-39.41	665.48	525.94	540.08	651.34	-42.11
6	2	221	30.63	-50.94	-12.59	-7.72	-40.71	640.14	624.58	635.93	628.79	-6.91
6	2	222	32.55	-52.03	-12.32	-7.16	-42.21	750.68	579.19	749.30	580.56	15.31
6	2	223	34.67	-53.05	-12.15	-6.22	-43.76	684.62	449.45	682.62	451.45	21.62
6	2	224	36.74	-54.31	-11.74	-5.83	-45.43	171.76	29.10	32.51	168.35	21.78
6	2	225	17.16	-28.51	-5.29	-6.06	-22.83	-270.79	-1497.55	-1488.75	-279.59	103.51
6	2	226	-0.13	-3.86	-0.21	-3.78	0.54	55.54	-85.51	9.05	-39.02	66.30
6	2	227	42.24	-0.32	-0.28	42.20	-1.33	15.83	-41.02	-8.77	-16.43	-28.17
6	2	228	70.95	1.66	2.72	69.88	-8.52	158.20	-150.23	83.22	-75.25	-132.31
6	2	229	71.74	14.57	15.15	71.16	-5.72	-74.53	-790.58	-666.60	-198.51	-270.93
6	2	230	70.17	17.19	17.21	70.16	-0.99	-195.64	-1132.79	-1131.59	-196.85	-33.58
6	2	231	34.68	-20.03	34.32	-19.68	4.39	-626.28	-2018.57	-1980.00	-664.85	228.49
6	2	232	26.85	-25.06	15.36	-13.57	-21.55	-655.37	-2367.57	-1921.14	-1101.80	751.72
6	2	233	30.52	-26.13	0.36	4.04	-28.27	-272.86	-1026.30	-570.16	-729.00	368.26
6	2	234	32.96	-30.58	-3.15	5.53	-31.48	307.84	-183.28	266.40	-141.84	136.51
6	2	235	32.79	-34.50	-5.08	3.36	-33.38	554.85	260.74	553.37	262.22	-20.81
6	2	236	31.98	-37.70	-6.37	0.64	-34.66	708.37	397.64	658.54	447.47	-114.02
6	2	237	31.28	-40.52	-7.33	-1.91	-35.80	748.21	412.26	660.24	500.23	-147.70
6	2	238	30.94	-42.93	-7.97	-4.02	-36.88	684.08	398.32	592.73	489.66	-133.26
6	2	239	31.04	-44.96	-8.34	-5.58	-37.98	600.01	397.93	529.89	468.05	-96.20
6	2	240	31.64	-46.67	-8.56	-6.47	-39.14	570.45	425.39	538.49	457.34	-60.12
6	2	241	32.73	-48.15	-8.76	-6.67	-40.43	629.93	440.43	621.35	449.02	-39.41
6	2	242	34.27	-49.49	-8.99	-6.23	-41.86	721.61	413.02	715.83	418.81	-41.86
6	2	243	36.18	-50.85	-9.20	-5.47	-43.47	655.56	314.00	643.49	326.07	-63.07
6	2	244	38.62	-52.65	-9.18	-4.85	-45.59	150.20	-11.27	32.82	106.12	-71.94
6	2	245	18.88	-27.03	-4.55	-3.61	-22.95	-269.27	-1370.11	-1369.63	-269.75	23.05
6	2	246	4.17e-02	-2.40	-0.10	-2.26	0.57	19.34	-54.43	6.01	-41.10	28.38
6	2	247	69.65	-0.28	-0.24	69.60	-1.72	52.40	-87.59	1.97	-37.16	-67.21
6	2	248	82.71	-3.66	0.32	78.72	-18.12	107.85	-230.79	-54.92	-68.03	-169.20
6	2	249	71.31	4.04	9.24	66.10	-17.97	-93.71	-635.26	-568.31	-160.66	-178.25
6	2	250	59.88	15.09	19.08	55.90	-12.75	-206.96	-948.54	-946.89	-208.61	-34.89
6	2	251	20.93	-14.02	20.79	-13.88	2.21	-460.15	-1423.39	-1411.66	-471.87	105.61
6	2	252	19.62	-3.86	11.60	4.16	-11.13	-557.14	-1891.39	-1729.66	-718.87	435.47
6	2	253	33.58	-15.15	9.11	9.32	-24.36	-185.93	-1220.95	-740.16	-666.73	516.21
6	2	254	35.65	-22.16	5.52	7.96	-28.88	330.20	-509.19	52.88	-231.86	394.81
6	2	255	34.85	-27.87	1.89	5.08	-31.32	418.87	64.93	341.23	142.57	146.47
6	2	256	33.82	-32.35	-0.68	2.15	-33.06	532.67	289.17	518.19	303.65	-57.59
6	2	257	33.17	-36.12	-2.44	-0.51	-34.63	666.68	266.15	604.37	328.46	-145.17

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
6	2	258	32.95	-39.21	-3.53	-2.73	-36.07	646.11	254.49	588.50	312.10	-138.71
6	2	259	33.05	-41.67	-4.23	-4.40	-37.36	574.62	264.14	538.53	300.23	-99.52
6	2	260	33.49	-43.67	-4.79	-5.39	-38.58	552.60	281.93	534.55	299.98	-67.53
6	2	261	34.33	-45.35	-5.35	-5.68	-39.84	605.58	289.67	593.85	301.40	-59.74
6	2	262	35.61	-46.89	-5.94	-5.34	-41.25	680.21	270.71	664.38	286.54	-78.95
6	2	263	37.44	-48.50	-6.51	-4.55	-42.96	625.01	195.32	592.03	228.30	-114.37
6	2	264	40.08	-50.58	-6.96	-3.53	-45.30	183.37	-72.06	45.09	66.22	-127.27
6	2	265	20.34	-25.44	-3.79	-1.31	-22.85	-250.32	-1248.92	-1247.71	-251.53	-34.72
6	2	266	0.33	-0.95	-4.70e-02	-0.57	0.59	5.19	-36.62	5.14	-36.57	1.52
6	2	267	105.24	-0.19	-0.15	105.21	-2.00	81.63	-118.30	-4.91	-31.77	-99.06
6	2	268	98.10	-6.28	1.03	90.78	-26.64	134.43	-267.18	-43.13	-89.61	-199.46
6	2	269	75.45	-4.37	11.30	59.78	-31.71	-141.08	-560.01	-533.34	-167.75	-102.28
6	2	270	60.43	8.46	21.40	47.49	-22.47	-125.21	-807.29	-807.07	-125.42	-12.17
6	2	271	18.90	-5.20	13.42	0.28	10.10	-480.98	-1292.07	-1291.94	-481.11	-10.29
6	2	272	36.17	8.12	22.06	22.22	-14.02	-851.93	-1514.26	-1474.85	-891.34	156.68
6	2	273	39.83	-3.79	21.94	14.10	-21.45	-27.79	-1289.77	-621.61	-695.95	629.89
6	2	274	37.19	-11.78	14.80	10.61	-24.39	433.45	-850.33	-149.21	-267.67	639.15
6	2	275	35.34	-20.07	7.87	7.41	-27.71	308.57	-252.92	-5.81	61.46	278.73
6	2	276	34.44	-26.70	3.39	4.35	-30.56	300.63	129.42	281.68	148.37	-53.71
6	2	277	34.39	-31.92	1.02	1.45	-33.15	599.74	76.13	537.05	138.82	-169.98
6	2	278	34.59	-35.82	-6.68e-02	-1.16	-35.20	634.72	85.64	593.42	126.93	-144.81
6	2	279	34.69	-38.65	-0.80	-3.16	-36.65	567.49	105.17	547.56	125.11	-93.90
6	2	280	34.94	-40.82	-1.54	-4.34	-37.85	530.78	128.65	521.00	138.43	-61.94
6	2	281	35.54	-42.64	-2.37	-4.73	-39.07	562.53	150.91	552.77	160.67	-62.63
6	2	282	36.61	-44.31	-3.26	-4.44	-40.45	624.72	159.08	605.86	177.94	-91.81
6	2	283	38.32	-46.06	-4.19	-3.55	-42.19	582.63	117.53	538.85	161.31	-135.81
6	2	284	41.00	-48.29	-5.18	-2.12	-44.62	210.89	-103.28	60.59	47.03	-156.94
6	2	285	21.33	-23.80	-3.09	0.63	-22.49	-220.68	-1140.90	-1134.53	-227.06	-76.32
6	2	286	1.32	-0.30	-1.92e-02	1.04	0.62	15.62	-31.89	7.63	-23.90	-17.76
6	2	287	151.72	-0.71	-0.62	151.63	-3.72	79.49	-194.61	-36.85	-78.28	-135.48
6	2	288	111.39	-1.33	6.95	103.11	-29.41	289.18	-388.22	14.49	-113.53	-332.59
6	2	289	43.71	8.99	37.60	15.09	-13.22	335.92	-1321.77	-327.71	-658.13	812.21
6	2	290	34.12	3.08	22.41	14.79	-15.04	506.47	-1352.18	-398.77	-446.94	929.01
6	2	291	35.13	-11.95	13.20	9.97	-23.49	113.09	-725.98	-566.04	-46.85	329.58
6	2	292	32.13	-20.72	2.89	8.51	-26.27	31.73	-319.26	-66.06	-221.47	-157.36
6	2	293	35.77	-28.85	2.40	4.52	-32.29	548.16	-182.72	496.13	-130.69	-187.94
6	2	294	36.26	-33.16	2.48	0.62	-34.70	644.49	-82.54	618.96	-57.01	-133.83
6	2	295	36.13	-36.02	2.06	-1.95	-36.02	579.44	-30.35	570.06	-20.98	-75.02
6	2	296	36.08	-38.20	1.24	-3.37	-37.07	513.98	2.50	510.56	5.92	-41.65
6	2	297	36.38	-40.06	0.19	-3.86	-38.17	512.42	36.28	508.24	40.46	-44.42
6	2	298	37.22	-41.82	-1.00	-3.60	-39.50	554.59	66.42	541.76	79.25	-78.10
6	2	299	38.73	-43.63	-2.27	-2.62	-41.18	514.08	50.85	474.76	90.17	-129.09
6	2	300	41.12	-45.56	-3.65	-0.79	-43.32	205.84	-127.97	57.45	20.42	-165.88
6	2	301	22.00	-22.30	-2.77	2.46	-22.00	-194.84	-1014.71	-1005.36	-204.19	-87.06
6	2	302	2.63	-0.13	1.66e-02	2.49	0.62	2.58	-13.45	-4.67	-6.20	-7.98
6	2	303	82.71	-16.80	-2.07	67.98	-35.34	-42.59	-818.41	-258.72	-602.29	-347.80
6	2	304	55.09	-41.21	-21.32	35.20	-38.98	-890.21	-1351.97	-954.51	-1287.68	-159.86
6	2	305	28.16	-10.31	-2.26	20.12	-15.64	-264.11	-1565.73	-267.47	-1562.37	-66.08
6	2	306	33.01	1.26	6.27	28.00	-11.57	-389.98	-1819.64	-397.07	-1812.54	-100.46
6	2	307	33.66	14.41	27.32	20.75	-9.05	-338.96	-2174.21	-348.03	-2165.14	-128.67
6	2	308	115.60	73.93	81.28	108.25	15.89	-1713.86	-2461.16	-1730.32	-2444.70	-109.69
6	2	309	62.43	23.17	61.60	24.01	-5.66	-211.50	-1265.54	-424.99	-1052.06	423.61
6	2	310	181.86	7.32	7.32	181.86	0.45	79.50	-326.57	43.43	-290.51	-115.52
6	2	311	117.69	-21.64	-21.56	117.61	3.17	-144.57	-800.42	-461.62	-483.37	-327.75
6	2	312	43.10	9.20	9.27	43.03	-1.53	194.81	-1032.96	-288.83	-549.32	-599.91
6	2	313	15.43	11.36	11.76	15.03	1.21	93.86	-1031.11	-272.48	-664.78	-527.18
6	2	314	7.99	-10.71	7.40	-10.11	-3.29	-226.67	-1568.84	-305.92	-1489.59	-316.37
6	2	315	16.66	-11.22	16.03	-10.59	-4.13	-338.57	-1812.98	-377.52	-1774.02	-236.48
6	2	316	36.48	-4.30	33.23	-1.05	-11.04	-355.38	-1697.96	-388.72	-1664.63	-208.92
6	2	317	35.19	28.66	35.18	28.66	0.17	-363.90	-1106.28	-446.30	-1023.87	233.20
6	2	318	51.72	6.53	45.68	12.57	15.38	-68.33	-1595.73	-328.98	-1335.08	574.61
6	2	319	38.47	-5.02	38.47	-5.02	-5.55e-02	17.60	-1782.43	-296.40	-1468.43	683.09
6	2	320	43.41	-4.14	41.98	-2.71	-8.11	-140.19	-1833.52	-537.19	-1436.51	717.39
6	2	321	42.66	-11.52	-11.09	42.23	-4.80	-1526.83	-2914.63	-2387.43	-2054.03	673.58
6	2	322	43.46	-26.24	-2.08	19.29	-33.17	-155.36	-855.72	-155.81	-855.27	-17.83
6	2	323	40.64	-28.87	4.04	7.73	-34.71	481.69	-378.62	479.41	-376.34	-44.24
6	2	324	38.97	-31.23	5.67	2.06	-35.05	663.09	-161.64	661.13	-159.68	-40.11

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
6	2	325	37.74	-33.24	5.43	-0.93	-35.35	613.55	-71.69	613.12	-71.25	-17.33
6	2	326	37.03	-35.06	4.38	-2.40	-35.88	515.08	-38.35	515.05	-38.32	-3.68
6	2	327	36.89	-36.79	2.95	-2.85	-36.72	466.09	-16.74	465.58	-16.23	-15.70
6	2	328	37.37	-38.54	1.32	-2.48	-37.91	467.66	1.05	461.02	7.69	-55.27
6	2	329	38.60	-40.39	-0.45	-1.34	-39.49	415.75	-13.98	384.86	16.91	-111.00
6	2	330	40.89	-42.51	-2.42	0.79	-41.67	155.50	-150.80	29.34	-24.64	-150.75
6	2	331	22.48	-20.14	-2.48	4.82	-21.00	-167.96	-893.05	-871.55	-189.45	-122.97
6	2	332	3.85	0.10	0.21	3.74	0.61	45.34	-61.22	-4.73	-11.15	-53.18
6	2	333	109.82	-2.21	-1.89	109.50	6.00	26.70	-203.85	-23.14	-154.01	-94.90
6	2	334	72.90	-14.21	-5.53	64.22	26.09	-79.15	-1188.54	-985.92	-281.77	-428.63
6	2	335	27.85	-18.16	-8.16	17.85	18.98	619.95	-1262.23	-400.88	-241.40	-937.70
6	2	336	12.08	-27.66	-2.90	-12.68	19.26	782.52	-1201.95	-11.81	-407.62	-972.30
6	2	337	8.35	-41.60	2.50	-35.75	16.06	514.13	-1137.07	97.15	-720.09	-717.39
6	2	338	8.25	-41.91	6.88	-40.54	8.18	118.88	-1137.55	-7.76	-1010.91	-378.26
6	2	339	11.02	-32.45	10.98	-32.41	1.35	-67.83	-1094.19	-71.62	-1090.40	-62.26
6	2	340	11.93	-20.47	11.13	-19.67	5.02	44.70	-1064.79	-22.32	-997.77	264.32
6	2	341	18.34	-22.90	16.98	-21.53	7.38	389.73	-1135.09	67.38	-812.74	622.58
6	2	342	20.01	-21.82	20.01	-21.82	8.36e-02	692.44	-1290.71	41.03	-639.29	931.40
6	2	343	19.74	-7.42	13.76	-1.43	-11.26	440.14	-1526.86	-507.35	-579.36	982.84
6	2	344	49.67	-17.52	-1.96	34.11	-28.35	-746.07	-2504.40	-2402.80	-847.67	410.27
6	2	345	53.85	-35.36	3.89	14.59	-44.28	-253.54	-972.92	-526.65	-699.81	349.11
6	2	346	45.01	-30.20	8.37	6.44	-37.59	427.61	-344.01	405.51	-321.91	128.72
6	2	347	40.90	-30.22	8.91	1.77	-35.38	661.53	-116.11	656.99	-111.57	59.27
6	2	348	38.58	-31.32	8.02	-0.77	-34.67	630.21	-21.12	628.24	-19.16	35.73
6	2	349	37.27	-32.75	6.51	-1.99	-34.75	519.53	8.62	518.50	9.66	22.98
6	2	350	36.72	-34.34	4.67	-2.29	-35.36	441.67	16.21	441.67	16.21	-0.61
6	2	351	36.86	-36.06	2.63	-1.83	-36.39	415.36	16.03	411.03	20.36	-41.37
6	2	352	37.70	-37.93	0.41	-0.63	-37.81	354.75	-6.90	329.70	18.15	-91.83
6	2	353	39.26	-39.91	-2.10	1.45	-39.54	124.16	-141.03	10.23	-27.10	-131.27
6	2	354	21.97	-18.99	-2.48	5.46	-20.09	-158.86	-829.07	-810.72	-177.22	-109.39
6	2	355	3.54	7.84e-02	0.15	3.47	0.51	30.21	-44.68	4.66	-19.13	-35.50
6	2	356	33.44	-1.68	-1.53	33.29	2.27	64.30	-72.05	0.27	-8.02	-68.05
6	2	357	27.91	-23.02	-19.26	24.14	13.33	-229.13	-1879.63	-1788.87	-319.89	-376.24
6	2	358	5.09	-33.99	-33.49	4.58	4.43	678.49	-1313.36	-685.35	50.48	-925.47
6	2	359	-5.13	-30.14	-22.16	-13.11	11.66	1361.84	-679.36	277.52	404.96	-1018.61
6	2	360	-6.69	-34.16	-10.92	-29.94	9.91	1470.89	-99.64	718.34	652.91	-784.59
6	2	361	-3.70	-35.62	-4.27	-35.05	4.22	1144.33	305.33	710.19	739.48	-419.24
6	2	362	-1.52	-30.59	-1.54	-30.57	0.78	785.92	632.72	653.67	764.97	-52.64
6	2	363	-0.24	-23.86	-0.50	-23.60	2.45	1019.28	419.89	677.30	761.87	296.70
...												
6	10	585	0.95	-0.96	-0.82	0.81	0.50	-26.34	-51.00	-39.44	-37.90	-12.31
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-108.03	-84.24	-71.40	-86.54		-4143.74	-3648.16	-3815.77	-1018.61
			181.86		92.51	181.86	34.69	2057.49		1607.42	2056.15	982.84

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
13	2	1081	-7.90	-18.51	-11.89	-14.52	5.14	260.34	36.13	66.21	230.26	76.41
13	2	1082	23.57	-21.60	14.66	-12.69	17.97	822.23	22.96	181.33	663.87	318.58
13	2	1083	38.79	-22.71	27.37	-11.28	23.92	1327.62	131.72	249.15	1210.19	355.87
13	2	1084	45.09	-28.00	31.11	-14.02	28.74	2057.61	313.22	371.91	1998.92	314.53
13	2	1085	44.99	-33.76	28.24	-17.00	32.23	2635.59	447.29	478.43	2604.44	259.20
13	2	1086	46.70	-38.12	26.91	-18.33	35.87	3017.79	544.00	560.18	3001.61	199.37
13	2	1087	50.45	-40.77	28.29	-18.61	39.12	3241.42	607.83	615.94	3233.30	145.94
13	2	1088	56.08	-41.90	32.42	-18.24	41.94	3350.29	642.03	646.13	3346.19	105.27
13	2	1089	62.71	-41.71	38.50	-17.49	44.07	3369.01	656.98	658.60	3367.38	66.37
13	2	1090	69.74	-40.31	45.78	-16.35	45.42	3320.70	657.48	657.84	3320.35	30.65
13	2	1091	76.15	-37.55	53.58	-14.99	45.35	3223.20	659.37	659.37	3223.20	3.86

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
13	2	1092	79.71	-34.68	59.04	-14.01	44.01	3134.66	655.93	656.00	3134.60	-12.39
13	2	1093	79.69	-32.04	61.24	-13.59	41.48	3075.90	638.12	638.52	3075.50	-31.48
13	2	1094	76.74	-29.73	60.56	-13.55	38.22	3016.59	613.90	615.77	3014.72	-66.99
13	2	1095	71.14	-27.44	57.25	-13.56	34.29	2918.73	578.08	584.16	2912.66	-119.10
13	2	1096	62.81	-24.96	51.24	-13.39	29.70	2745.63	521.29	536.73	2730.20	-184.64
13	2	1097	51.45	-21.98	42.41	-12.94	24.13	2468.18	427.94	461.44	2434.68	-259.29
13	2	1098	37.39	-14.51	34.90	-12.02	11.09	2083.59	299.81	369.99	2013.41	-346.78
13	2	1099	62.78	-19.06	60.27	-16.56	14.09	1486.08	59.86	229.51	1316.42	-461.72
13	2	1100	2.75	-30.64	-23.63	-4.27	13.60	820.01	31.00	303.68	547.32	-375.23
13	2	1101	-1.37	-36.33	-18.37	-19.34	-17.47	235.06	-14.30	67.03	153.73	-116.90
13	2	1102	63.46	-36.65	41.66	-14.85	41.32	1241.15	237.04	237.05	1241.15	1.89
13	2	1103	66.47	-34.72	44.90	-13.15	41.44	1290.62	269.55	270.54	1289.62	-31.81
13	2	1104	67.56	-33.09	46.53	-12.05	40.92	1320.76	240.37	246.40	1314.73	-80.52
13	2	1105	66.31	-31.55	46.17	-11.42	39.56	1344.55	176.76	204.19	1317.12	-176.88
13	2	1106	62.85	-29.97	43.81	-10.93	37.48	1371.76	68.59	156.89	1283.46	-327.53
13	2	1107	57.36	-28.22	39.39	-10.26	34.85	1408.26	-99.19	109.84	1199.23	-520.97
13	2	1108	49.41	-25.19	32.28	-8.05	31.38	1448.35	-327.84	61.91	1058.60	-735.09
13	2	1109	40.52	-16.18	16.06	8.28	28.08	1466.32	-629.09	-27.61	864.84	-947.93
13	2	1110	-28.97	-67.90	-43.19	-53.68	18.75	2068.35	-75.96	710.21	1282.18	-1033.31
13	2	1111	64.56	33.68	53.98	44.26	14.65	123.11	-780.93	-330.42	-327.39	-452.02
13	2	1112	58.57	-38.77	36.73	-16.93	40.61	1191.16	179.42	183.16	1187.42	61.41
13	2	1113	53.14	-40.41	31.30	-18.57	39.58	1180.40	136.66	158.91	1158.15	150.76
13	2	1114	47.90	-41.36	26.22	-19.67	38.28	1187.60	66.40	132.69	1121.31	264.45
13	2	1115	43.08	-41.54	21.90	-20.36	36.66	1194.36	-59.96	89.29	1045.10	406.12
13	2	1116	39.29	-40.72	19.01	-20.43	34.80	1211.45	-250.73	37.10	923.63	581.39
13	2	1117	35.03	-38.17	16.55	-19.69	31.80	1228.27	-506.73	-18.75	740.28	780.08
13	2	1118	28.03	-33.44	13.00	-18.41	26.42	1276.35	-763.17	-10.04	523.21	984.29
13	2	1119	6.07	-25.50	2.38	-21.80	10.15	1146.59	-777.01	142.10	227.48	960.85
13	2	1120	-1.46	-26.14	-1.73	-25.87	2.56	1127.34	-752.78	216.42	158.14	939.61
13	2	1121	-3.36	-39.23	-7.41	-35.18	-11.35	671.13	-24.97	516.01	130.15	289.68
13	2	1122	6.92	-60.72	-1.51	-52.29	22.34	706.84	-89.34	393.40	224.10	-388.99
13	2	1123	-5.34	-56.54	-10.96	-50.92	-16.00	1264.08	110.59	1205.42	169.25	253.42
13	2	1124	43.76	-37.35	-15.55	21.96	35.96	1155.02	-48.06	922.22	184.74	-475.27
13	2	1125	-8.71	-41.32	-8.95	-41.08	-2.78	1150.86	-778.36	417.55	-45.05	936.47
13	2	1126	10.77	-38.26	-1.12	-26.38	21.01	652.44	-1359.06	-310.22	-396.40	1004.83
13	2	1127	21.13	-41.08	3.55	-23.51	28.01	260.41	-1342.64	-482.09	-600.14	799.35
13	2	1128	27.91	-42.27	8.01	-22.38	31.63	-3.40	-1204.39	-498.01	-709.77	591.09
13	2	1129	32.33	-41.88	12.01	-21.55	33.10	-183.31	-1063.65	-455.61	-791.36	406.90
13	2	1130	36.98	-40.79	16.88	-20.69	34.04	-283.98	-974.07	-397.99	-860.07	256.27
13	2	1131	41.43	-39.77	21.32	-19.66	35.05	-311.68	-935.78	-353.95	-893.51	156.83
13	2	1132	45.96	-38.74	25.29	-18.06	36.38	-280.52	-890.19	-297.11	-873.61	99.19
13	2	1133	50.19	-37.73	28.37	-15.91	37.98	-196.59	-792.74	-205.61	-783.71	72.80
13	2	1134	53.46	-36.90	30.36	-13.80	39.42	-151.91	-642.84	-157.21	-637.54	50.71
13	2	1135	55.48	-36.17	31.26	-11.96	40.41	-211.73	-503.32	-211.74	-503.31	-1.98
13	2	1136	55.93	-35.40	31.02	-10.50	40.67	-227.06	-469.66	-307.64	-389.08	-114.27
13	2	1137	54.85	-34.53	29.67	-9.35	40.20	-55.79	-644.49	-399.88	-300.40	-290.12
13	2	1138	52.59	-33.56	27.35	-8.32	39.22	175.57	-871.99	-458.68	-237.73	-512.00
13	2	1139	50.10	-33.07	24.38	-7.35	38.43	430.73	-1083.78	-462.45	-190.60	-744.96
13	2	1140	50.51	-42.75	22.60	-14.83	42.71	741.73	-1179.49	-323.85	-113.91	-954.86
13	2	1141	94.14	30.01	77.43	46.72	28.15	1.17	-1600.67	-832.74	-766.76	-800.24
13	2	1142	-39.35	-93.35	-58.77	-73.93	25.91	2027.68	45.82	1329.05	744.45	-946.84
13	2	1143	-8.74	-73.58	-14.06	-68.26	-17.80	1820.81	220.81	1796.45	245.17	195.91
13	2	1144	-13.08	-56.60	-13.70	-55.98	-5.14	1179.12	-559.57	712.71	-93.17	770.32
13	2	1145	-1.46	-42.81	-10.26	-34.01	16.93	135.99	-1587.71	-540.77	-910.94	841.74
13	2	1146	9.66	-43.15	-5.84	-27.66	24.05	-292.73	-1767.58	-778.21	-1282.10	693.05
13	2	1147	18.31	-43.03	-0.61	-24.12	28.33	-560.09	-1820.40	-824.34	-1556.15	513.04
13	2	1148	23.60	-41.78	4.10	-22.28	29.91	-652.94	-1842.31	-770.21	-1725.04	354.57
13	2	1149	28.96	-40.33	9.92	-21.29	30.93	-633.36	-1883.11	-674.94	-1841.53	224.14
13	2	1150	33.82	-39.75	14.65	-20.57	32.30	-575.74	-1890.93	-594.92	-1871.75	157.65
13	2	1151	38.78	-39.40	18.57	-19.19	34.22	-487.12	-1833.56	-501.53	-1819.16	138.52
13	2	1152	43.52	-39.12	21.50	-17.10	36.54	-371.88	-1690.54	-388.24	-1674.19	145.93
13	2	1153	47.17	-38.90	23.11	-14.85	38.63	-331.82	-1510.95	-349.35	-1493.43	142.70
13	2	1154	49.74	-38.60	23.75	-12.61	40.26	-426.27	-1318.81	-435.85	-1309.23	91.95
13	2	1155	50.94	-38.10	23.49	-10.65	41.12	-571.50	-1137.79	-572.94	-1136.34	-28.58
13	2	1156	50.80	-37.35	22.49	-9.05	41.16	-578.43	-1099.77	-697.43	-980.77	-218.81
13	2	1157	49.60	-36.31	21.01	-7.72	40.48	-344.09	-1260.87	-763.63	-841.33	-456.74
13	2	1158	47.98	-34.58	19.72	-6.32	39.18	-19.63	-1431.43	-737.15	-713.90	-705.81

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
13	2	1159	45.64	-26.93	23.72	-5.01	33.32	337.56	-1555.99	-608.63	-609.80	-946.78
13	2	1160	50.75	-27.62	-0.97	24.10	37.13	779.29	-1349.74	-192.84	-377.61	-1060.50
13	2	1161	38.49	-55.64	15.22	-32.36	40.61	1508.63	-669.10	773.98	65.55	-1029.64
13	2	1162	11.70	-33.01	-13.60	-7.71	22.16	1743.97	183.69	1620.00	307.66	-421.98
13	2	1163	-12.42	-88.85	-16.36	-84.91	-16.91	2211.15	287.87	2203.99	295.03	117.14
13	2	1164	-16.63	-71.29	-17.29	-70.64	-5.96	1164.65	-273.84	973.42	-82.60	488.38
13	2	1165	-11.18	-48.90	-17.77	-42.31	14.32	-251.50	-1490.32	-608.38	-1133.45	561.02
13	2	1166	-1.72	-45.18	-14.67	-32.23	19.87	-732.07	-1904.08	-973.39	-1662.76	473.91
13	2	1167	8.14	-43.87	-9.31	-26.41	24.56	-967.76	-2202.90	-1072.84	-2097.82	344.59
13	2	1168	13.67	-41.39	-4.76	-22.96	25.98	-979.37	-2411.33	-1017.88	-2372.82	231.64
13	2	1169	19.42	-39.58	2.03	-22.19	26.90	-872.67	-2602.86	-885.90	-2589.63	150.73
13	2	1170	24.84	-39.97	7.00	-22.13	28.95	-755.01	-2674.93	-765.27	-2664.67	139.98
13	2	1171	30.30	-40.65	10.80	-21.15	31.67	-619.64	-2648.61	-636.59	-2631.66	184.66
13	2	1172	35.66	-41.43	13.47	-19.24	34.91	-486.33	-2515.07	-518.83	-2482.58	254.70
13	2	1173	39.99	-42.01	14.74	-16.76	37.86	-468.27	-2322.01	-515.22	-2275.06	291.24
13	2	1174	43.30	-42.20	15.03	-13.93	40.22	-619.04	-2092.21	-664.96	-2046.29	256.00
13	2	1175	45.32	-41.90	14.63	-11.22	41.65	-853.67	-1833.79	-871.21	-1816.25	129.93
13	2	1176	46.03	-41.14	13.78	-8.89	42.09	-1035.58	-1604.35	-1045.93	-1594.01	-76.00
13	2	1177	45.58	-39.82	12.63	-6.87	41.57	-897.44	-1603.68	-1126.89	-1374.23	-330.76
13	2	1178	44.00	-37.42	11.19	-4.60	39.94	-510.36	-1702.05	-1070.74	-1141.67	-594.79
13	2	1179	41.33	-32.67	6.67	1.99	36.93	-36.41	-1677.30	-853.26	-860.45	-820.44
13	2	1180	45.57	-43.40	-2.81	4.98	44.32	571.64	-1221.51	-210.00	-439.87	-889.18
13	2	1181	38.56	-51.58	-3.02	-10.00	44.93	1402.22	-574.32	860.63	-32.72	-881.57
13	2	1182	25.53	-52.73	-10.71	-16.49	39.02	2106.25	275.92	2042.46	339.71	-335.70
13	2	1183	-15.00	-100.71	-17.42	-98.30	-14.18	2404.55	320.16	2403.79	320.91	39.63
13	2	1184	-18.16	-85.64	-18.60	-85.19	-5.48	1187.10	-71.54	1162.36	-46.81	174.70
13	2	1185	-17.30	-56.20	-24.11	-49.39	14.78	-502.28	-1224.51	-578.18	-1148.61	221.49
13	2	1186	-12.86	-45.80	-22.90	-35.76	15.16	-1009.35	-1789.76	-1058.48	-1740.63	189.54
13	2	1187	-0.42	-45.37	-16.19	-29.59	21.45	-1182.25	-2270.54	-1193.82	-2258.97	111.60
13	2	1188	4.23	-40.54	-13.54	-22.77	21.90	-1136.93	-2599.66	-1138.74	-2597.85	51.43
13	2	1189	10.08	-38.50	-4.76	-23.66	22.37	-959.00	-2919.04	-959.51	-2918.52	31.75
13	2	1190	16.33	-40.60	8.28e-02	-24.35	25.71	-783.17	-3035.38	-787.34	-3031.21	96.83
13	2	1191	22.30	-42.22	3.85	-23.78	29.15	-600.38	-3046.12	-619.83	-3026.66	217.29
13	2	1192	28.58	-44.22	6.54	-22.18	33.45	-452.63	-2951.35	-509.00	-2894.98	371.05
13	2	1193	33.82	-45.67	7.52	-19.37	37.40	-470.65	-2781.40	-569.69	-2682.36	468.04
13	2	1194	37.90	-46.26	7.39	-15.74	40.46	-695.70	-2554.40	-817.23	-2432.87	459.47
13	2	1195	40.58	-45.99	6.70	-12.11	42.26	-1021.89	-2270.91	-1116.88	-2175.92	331.10
13	2	1196	41.96	-45.16	5.76	-8.96	42.93	-1332.01	-1942.58	-1353.02	-1921.57	111.29
13	2	1197	42.25	-43.96	4.50	-6.21	42.77	-1368.82	-1740.33	-1451.26	-1657.89	-154.37
13	2	1198	41.76	-42.64	2.30	-3.18	42.11	-944.26	-1779.20	-1362.89	-1360.58	-417.47
13	2	1199	41.93	-43.19	-1.95	0.69	42.54	-395.35	-1642.42	-1035.93	-1001.84	-623.30
13	2	1200	43.67	-50.22	-6.83	0.28	46.81	367.16	-1105.16	-228.55	-509.45	-722.64
13	2	1201	39.95	-56.16	-9.27	-6.93	48.04	1350.39	-374.15	975.20	1.04	-711.52
13	2	1202	32.78	-58.29	-12.61	-12.89	45.54	2413.14	389.58	2379.79	422.94	-257.64
13	2	1203	-16.42	-108.51	-17.18	-107.76	-8.30	2380.83	324.54	2380.54	324.83	-24.45
13	2	1204	-21.79	-99.46	-22.10	-99.15	-4.92	1267.18	-45.20	1249.58	-27.60	-150.97
13	2	1205	-13.06	-69.67	-25.19	-57.54	23.22	-466.54	-953.96	-501.75	-918.76	-126.18
13	2	1206	-28.23	-39.73	-36.99	-30.96	4.90	-950.06	-1664.37	-999.72	-1614.71	-181.67
13	2	1207	-2.63	-54.07	-16.72	-39.97	22.94	-1203.40	-1992.74	-1215.67	-1980.46	-97.66
13	2	1208	-5.32	-37.78	-26.53	-16.57	15.44	-1101.01	-2397.49	-1154.13	-2344.37	-256.99
13	2	1209	2.30	-39.77	-9.06	-28.41	18.68	-841.84	-2894.11	-846.90	-2889.05	-101.78
13	2	1210	7.45	-41.40	-7.17	-26.78	22.37	-651.74	-2943.82	-652.01	-2943.54	25.23
13	2	1211	13.92	-43.96	-2.70	-27.35	26.19	-401.23	-2997.93	-420.28	-2978.88	221.59
13	2	1212	21.63	-47.71	0.36	-26.44	31.98	-228.34	-2985.42	-317.48	-2896.28	487.67
13	2	1213	28.19	-50.31	0.91	-23.03	37.38	-299.83	-2895.02	-488.45	-2706.39	673.75
13	2	1214	33.14	-51.13	5.89e-02	-18.05	41.15	-628.24	-2735.19	-893.94	-2469.49	699.45
13	2	1215	36.39	-50.62	-1.04	-13.19	43.07	-1056.85	-2500.82	-1327.01	-2230.65	563.13
13	2	1216	38.37	-49.61	-1.99	-9.24	43.84	-1446.04	-2188.69	-1639.58	-1995.15	326.00
13	2	1217	39.53	-48.73	-3.11	-6.08	44.10	-1693.54	-1800.37	-1755.54	-1738.37	52.72
13	2	1218	40.39	-48.63	-4.90	-3.33	44.50	-1302.64	-1757.05	-1628.97	-1430.72	-204.44
13	2	1219	41.63	-50.42	-7.49	-1.30	45.92	-719.90	-1540.16	-1208.29	-1051.77	-402.60
13	2	1220	42.78	-55.15	-10.11	-2.25	48.81	140.29	-923.07	-261.50	-521.28	-515.57
13	2	1221	41.01	-59.04	-11.61	-6.42	49.96	1300.25	-174.18	1090.71	35.36	-514.83
13	2	1222	37.33	-60.27	-13.23	-9.71	48.77	2652.94	466.24	2637.05	482.13	-185.74
13	2	1223	-31.22	-123.64	-57.20	-97.66	41.55	60.73	-521.90	52.76	-513.93	-67.66
13	2	1224	10.53	-32.79	4.19	-26.45	-15.31	-343.84	-2599.83	-1147.33	-1796.34	-1080.31
13	2	1225	-19.73	-110.21	-63.47	-66.48	45.22	-342.74	-1903.26	-664.03	-1581.97	630.99

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
13	2	1226	4.02	-14.87	2.18	-13.03	-5.60	-493.64	-2899.25	-1072.13	-2320.75	-1028.09
13	2	1227	-4.40	-47.45	-20.71	-31.14	20.88	-630.10	-2248.17	-634.41	-2243.87	-83.39
13	2	1228	-1.53	-41.68	-14.02	-29.19	18.59	-383.39	-2350.94	-384.62	-2349.71	-49.19
13	2	1229	5.32	-45.19	-8.10	-31.77	22.30	-20.05	-2433.29	-32.10	-2421.23	170.11
13	2	1230	-21.15	-99.15	-21.32	-98.99	3.56	1261.19	-168.00	1108.44	-15.24	-441.57
13	2	1231	-16.71	-116.30	-16.71	-116.30	0.23	2161.70	250.59	2157.63	254.66	-88.13
13	2	1232	15.28	-52.12	-4.27	-32.57	30.59	226.89	-2547.93	102.12	-2423.16	575.02
13	2	1233	23.70	-56.26	-4.76	-27.80	38.28	82.41	-2623.70	-245.78	-2295.50	883.41
13	2	1234	29.35	-56.70	-6.91	-20.44	42.49	-391.93	-2627.88	-895.37	-2124.44	933.93
13	2	1235	32.84	-55.26	-8.31	-14.11	43.96	-931.72	-2545.66	-1500.08	-1977.30	770.89
13	2	1236	35.22	-53.76	-8.91	-9.63	44.49	-1348.89	-2376.42	-1892.75	-1832.57	512.88
13	2	1237	37.09	-52.96	-9.39	-6.49	45.00	-1528.08	-2137.11	-2021.70	-1643.49	238.68
13	2	1238	38.81	-53.27	-10.20	-4.26	45.94	-1377.80	-1858.28	-1858.19	-1377.89	-6.48
13	2	1239	40.53	-54.95	-11.31	-3.11	47.56	-933.98	-1449.92	-1362.61	-1021.30	-193.45
13	2	1240	41.84	-58.12	-12.31	-3.96	49.81	-75.22	-724.08	-302.48	-496.82	-309.53
13	2	1241	41.28	-60.54	-12.82	-6.44	50.81	1257.64	-23.26	1169.06	65.32	-324.98
13	2	1242	39.65	-61.33	-13.51	-8.17	50.42	2807.22	511.65	2801.01	517.86	-119.24
13	2	1243	0.81	-76.99	-1.32	-74.86	-12.70	234.80	-1732.57	-582.26	-915.51	-969.47
13	2	1244	31.19	-6.58	-1.48	26.09	12.90	408.97	-800.30	-522.22	130.89	-508.86
13	2	1245	-34.50	-157.72	-89.12	-103.09	61.21	-94.31	-669.37	-145.64	-618.04	-163.96
13	2	1246	4.64	-24.95	-3.56	-16.75	-13.25	-201.51	-2500.76	-1121.02	-1581.25	-1126.36
13	2	1247	12.82	-45.88	-42.66	9.61	13.35	303.36	-673.30	-610.00	240.05	-240.46
13	2	1248	-27.86	-93.90	-67.00	-54.76	32.45	-408.34	-1265.44	-518.46	-1155.32	286.81
13	2	1249	-11.73	-39.93	-27.91	-23.75	13.94	-428.39	-1515.32	-465.08	-1478.64	-196.29
13	2	1250	-11.06	-39.16	-20.79	-29.44	13.37	-75.09	-1348.94	-92.47	-1331.56	-147.74
13	2	1251	-3.56	-45.64	-12.01	-37.19	16.86	507.81	-1343.33	507.13	-1342.64	35.59
13	2	1252	-14.04	-123.80	-17.14	-120.70	18.19	1185.25	-411.78	818.49	-45.02	-671.73
13	2	1253	-12.59	-128.70	-13.14	-128.14	8.01	1673.42	186.05	1659.17	200.30	-144.92
13	2	1254	10.42	-58.82	-6.10	-42.29	29.51	976.86	-1561.36	826.72	-1411.22	598.79
13	2	1255	20.88	-64.90	-10.39	-33.62	41.29	714.90	-1945.96	173.50	-1404.56	1071.20
13	2	1256	26.51	-63.03	-14.48	-22.04	44.61	6.51	-2271.04	-861.24	-1403.29	1106.05
13	2	1257	29.53	-59.27	-15.35	-14.40	44.40	-670.71	-2457.13	-1656.77	-1471.07	888.37
13	2	1258	32.07	-56.97	-14.93	-9.97	44.45	-1115.21	-2501.27	-2115.44	-1501.04	621.23
13	2	1259	34.44	-56.05	-14.41	-7.20	45.10	-1292.75	-2388.16	-2248.22	-1432.69	365.66
13	2	1260	36.71	-56.33	-14.15	-5.47	46.31	-1219.94	-2077.18	-2050.77	-1246.35	148.12
13	2	1261	38.80	-57.62	-14.07	-4.75	47.98	-940.25	-1496.28	-1495.79	-940.74	-16.53
13	2	1262	40.52	-59.73	-13.88	-5.33	49.94	-264.85	-536.84	-349.25	-452.44	-125.83
13	2	1263	40.86	-61.23	-13.63	-6.73	50.93	1228.13	70.15	1207.23	91.05	-154.15
13	2	1264	40.47	-61.83	-13.63	-7.73	51.06	2887.55	535.38	2886.05	536.88	-59.42
13	2	1265	-32.33	-58.27	-36.33	-54.27	9.37	866.78	-1119.73	-83.17	-169.79	-992.31
13	2	1266	-25.71	-48.64	-34.55	-39.80	11.15	226.24	-368.27	-275.45	133.42	-215.80
13	2	1267	-24.85	-146.85	-91.75	-79.94	60.71	1029.02	-463.64	150.48	414.90	-734.53
13	2	1268	8.67	-19.44	8.13	-18.90	-3.88	332.11	-1402.85	-733.41	-337.33	-844.57
13	2	1269	-24.85	-100.40	-75.15	-50.11	35.64	726.19	-186.33	40.64	499.22	-394.46
13	2	1270	-0.72	-43.87	-43.75	-0.85	-2.32	26.28	-916.50	-656.13	-234.09	-421.52
13	2	1271	-9.85	-141.21	-11.30	-139.76	13.72	1095.54	80.56	1010.27	165.83	-281.56
13	2	1272	9.58	-68.35	-1.54	-57.23	27.25	2150.78	-133.59	2000.36	16.84	566.57
13	2	1273	23.02	-84.73	-20.31	-41.39	52.84	1773.31	-785.90	771.13	216.28	1249.17
13	2	1274	23.43	-67.63	-23.65	-20.54	45.51	489.29	-1718.52	-871.99	-357.23	1073.48
13	2	1275	25.87	-61.54	-21.83	-13.84	43.52	-340.93	-2280.32	-1799.58	-821.67	837.39
13	2	1276	28.62	-58.75	-19.83	-10.30	43.42	-831.35	-2550.82	-2294.71	-1087.46	612.20
13	2	1277	31.43	-57.79	-18.23	-8.13	44.32	-1041.96	-2546.72	-2423.79	-1164.88	412.14
13	2	1278	34.14	-58.02	-17.04	-6.84	45.79	-1021.15	-2249.99	-2198.81	-1072.33	245.50
13	2	1279	36.60	-58.98	-16.08	-6.30	47.54	-812.32	-1619.24	-1601.37	-830.19	118.74
13	2	1280	38.80	-60.38	-15.01	-6.58	49.41	-368.53	-420.08	-396.13	-392.48	25.71
13	2	1281	40.03	-61.35	-14.06	-7.26	50.57	1215.07	117.15	1215.00	117.22	-8.81
13	2	1282	40.23	-61.34	-13.51	-7.60	50.70	2908.23	546.01	2908.21	546.03	-6.07
13	2	1283	-12.67	-48.56	-13.65	-47.58	5.83	1704.26	767.48	1355.55	1116.20	-452.84
13	2	1284	-15.85	-118.09	-22.49	-111.44	25.20	1031.71	-711.98	221.00	98.73	-869.70
13	2	1285	-26.07	-31.18	-27.26	-29.99	2.16	1172.20	273.07	310.20	1135.07	-178.90
13	2	1286	-20.40	-94.14	-34.77	-79.77	29.21	1080.18	-796.69	-4.83	288.33	-926.92
13	2	1287	-17.38	-50.92	-43.35	-24.94	14.02	954.43	-110.15	-72.98	917.26	-195.41
13	2	1288	-24.75	-40.25	-39.44	-25.55	3.44	1047.01	27.33	41.18	1033.15	-118.05
13	2	1289	-9.84	-14.30	-13.54	-10.60	1.67	363.83	-712.91	-437.87	88.79	-469.57
13	2	1290	-28.70	-129.48	-76.07	-82.11	50.30	1688.01	-10.67	403.72	1273.61	-729.52
13	2	1291	-1.41	-35.25	-32.92	-3.74	-8.56	980.09	-372.25	-336.14	943.98	-218.01
13	2	1292	-17.79	-100.02	-75.23	-42.58	37.73	1549.06	140.90	355.99	1333.96	-506.58

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
13	2	1293	-11.70	-183.46	-12.73	-182.43	13.29	280.28	-202.53	254.08	-176.33	-109.38
13	2	1294	-23.31	-103.26	-25.82	-100.75	13.95	524.67	-249.95	84.59	190.12	-383.70
13	2	1295	-35.52	-72.54	-36.73	-71.32	6.60	1097.00	-51.71	122.43	922.87	-411.96
13	2	1296	-35.34	-71.46	-62.90	-43.89	15.36	1953.42	255.67	354.32	1854.77	-397.18
13	2	1297	-31.56	-62.87	-60.97	-33.46	7.48	2511.06	318.44	369.36	2460.14	-330.22
13	2	1298	-26.47	-64.94	-63.38	-28.03	7.58	2901.72	421.56	439.67	2883.60	-211.19
13	2	1299	-24.32	-66.28	-65.69	-24.91	4.94	3162.12	524.80	535.82	3151.10	-170.17
13	2	1300	-23.56	-51.90	-51.48	-23.98	3.42	3073.17	542.24	544.15	3071.27	-69.34
13	2	1301	-26.19	-30.37	-29.27	-27.29	1.84	2886.51	583.55	583.80	2886.25	24.14
13	2	1302	12.16	-36.88	12.10	-36.82	-1.70	3255.08	1091.42	1092.51	3253.99	48.48
13	2	1303	38.87	-105.65	-0.43	-66.35	64.30	6368.96	4727.67	5591.40	5505.23	-819.51
13	2	1304	14.56	-74.70	-42.33	-17.81	42.91	2318.18	593.42	736.47	2175.13	475.67
13	2	1305	17.16	-65.36	-31.81	-16.39	40.53	811.71	-999.99	-856.34	668.06	489.51
13	2	1306	20.34	-60.56	-26.86	-13.37	39.88	-61.67	-1998.53	-1872.78	-187.42	477.23
13	2	1307	23.74	-58.65	-23.63	-11.28	40.73	-573.35	-2505.66	-2408.26	-670.75	422.76
13	2	1308	27.11	-58.23	-21.27	-9.85	42.29	-813.95	-2617.53	-2544.84	-886.65	354.72
13	2	1309	30.34	-58.62	-19.38	-8.90	44.17	-832.81	-2364.52	-2308.03	-889.30	288.68
13	2	1310	33.28	-59.40	-17.76	-8.36	46.10	-664.42	-1740.08	-1688.31	-716.19	230.24
13	2	1311	36.06	-60.25	-16.03	-8.16	48.00	-210.84	-580.40	-453.81	-337.42	175.38
13	2	1312	37.83	-60.57	-14.52	-8.23	49.10	1200.66	115.45	1183.05	133.06	137.13
13	2	1313	39.29	-60.97	-13.40	-8.29	50.06	2869.31	539.96	2868.45	540.83	44.89
13	2	1314	11.60	-111.90	1.12	-101.42	34.42	413.77	124.59	403.31	135.05	-53.99
13	2	1315	-18.33	-88.84	-18.74	-88.43	5.36	212.03	93.72	120.63	185.12	49.59
13	2	1316	-33.34	-65.81	-33.35	-65.79	-0.60	438.31	-17.39	18.66	402.26	123.00
13	2	1317	-44.15	-51.70	-44.86	-50.99	-2.21	791.88	36.01	44.84	783.05	81.23
13	2	1318	-43.40	-51.31	-50.77	-43.94	-2.00	1144.41	114.28	114.42	1144.28	-11.80
13	2	1319	-39.73	-51.87	-51.77	-39.83	-1.11	1395.92	158.94	167.61	1387.25	-103.16
13	2	1320	-36.13	-47.78	-47.78	-36.13	6.08e-02	1499.90	188.56	212.80	1475.66	-176.65
13	2	1321	-32.05	-37.99	-37.78	-32.26	1.10	1487.08	209.92	250.19	1446.81	-223.18
13	2	1322	-19.66	-27.16	-19.96	-26.85	-1.49	1411.24	384.84	410.53	1385.55	-160.33
13	2	1323	9.22	-17.76	-0.46	-8.09	-12.94	1541.46	1114.47	1205.84	1450.08	175.12
13	2	1324	23.59	-32.69	-27.80	18.70	15.86	3577.81	1532.79	3577.08	1533.52	-38.64
13	2	1325	12.22	-65.08	-34.11	-18.76	37.88	2212.86	1007.05	1530.56	1689.35	-597.65
13	2	1326	13.21	-59.81	-30.72	-15.87	35.74	691.44	-642.32	-637.11	686.23	-83.17
13	2	1327	16.61	-58.02	-27.22	-14.19	36.74	-59.30	-1794.76	-1786.83	-67.22	117.03
13	2	1328	20.24	-57.51	-24.55	-12.71	38.42	-521.77	-2401.82	-2377.68	-545.91	211.67
13	2	1329	23.83	-57.72	-22.33	-11.57	40.42	-747.95	-2577.86	-2540.68	-785.13	258.17
13	2	1330	27.29	-58.34	-20.34	-10.71	42.55	-767.23	-2368.77	-2318.39	-817.61	279.54
13	2	1331	30.56	-59.10	-18.51	-10.04	44.63	-600.53	-1781.82	-1709.40	-672.95	283.38
13	2	1332	33.79	-59.73	-16.55	-9.39	46.62	-128.87	-683.23	-489.40	-322.71	264.35
13	2	1333	35.95	-59.84	-14.86	-9.03	47.80	1185.13	77.85	1133.96	129.03	232.48
13	2	1334	37.12	-59.69	-13.40	-9.18	48.36	2800.97	522.35	2798.04	525.27	81.62
13	2	1335	10.22	-91.77	-10.65	-70.91	41.14	864.75	196.79	863.70	197.85	-26.55
13	2	1336	-8.45	-78.24	-17.33	-69.36	23.25	409.31	28.78	313.24	124.85	165.31
13	2	1337	-24.43	-62.23	-27.78	-58.87	10.75	329.45	-229.93	-19.85	119.38	270.89
13	2	1338	-34.90	-50.07	-36.07	-48.90	4.04	295.04	-293.74	-167.76	169.06	241.47
13	2	1339	-40.19	-42.91	-40.21	-42.89	0.26	304.19	-215.53	-183.17	271.83	125.58
13	2	1340	-37.56	-42.32	-40.65	-39.23	-2.28	383.80	-147.94	-147.56	383.42	-14.26
13	2	1341	-32.26	-41.46	-38.11	-35.61	-4.43	517.50	-117.14	-83.44	483.80	-142.31
13	2	1342	-24.63	-38.81	-32.77	-30.67	-7.01	664.87	-35.39	48.79	580.69	-227.73
13	2	1343	-11.73	-35.44	-26.01	-21.16	-11.61	782.08	318.44	426.20	674.32	-195.83
13	2	1344	2.11	-32.21	-25.51	-4.59	-13.60	1259.42	634.20	1246.29	647.33	-89.64
13	2	1345	5.70	-36.53	-30.74	-8.17e-02	14.52	2742.67	718.21	2742.11	718.77	-33.79
13	2	1346	13.66	-56.68	-28.80	-14.22	34.40	1682.95	462.54	1500.19	645.30	-435.48
13	2	1347	12.16	-56.10	-27.33	-16.61	33.70	435.95	-578.09	-433.46	291.32	-354.60
13	2	1348	14.34	-56.12	-26.18	-15.60	34.83	-172.10	-1641.32	-1627.00	-186.41	-144.31
13	2	1349	17.45	-56.51	-24.63	-14.43	36.63	-558.60	-2261.62	-2261.13	-559.09	28.90
13	2	1350	20.81	-57.11	-22.86	-13.45	38.68	-747.71	-2471.59	-2455.95	-763.35	163.48
13	2	1351	24.27	-57.85	-20.94	-12.64	40.85	-745.08	-2308.37	-2262.67	-790.79	263.37
13	2	1352	27.76	-58.58	-19.00	-11.82	43.02	-558.95	-1780.70	-1686.00	-653.65	326.70
13	2	1353	31.46	-59.00	-16.88	-10.66	45.12	-54.99	-772.45	-509.91	-317.53	345.59
13	2	1354	33.93	-58.62	-14.98	-9.71	46.20	1171.53	22.59	1073.86	120.27	320.44
13	2	1355	35.14	-57.91	-13.26	-9.51	46.49	2703.17	498.63	2697.30	504.50	113.58
13	2	1356	8.89	-83.22	-20.40	-53.93	42.90	1348.38	279.28	1348.32	279.34	-8.16
13	2	1357	-3.80	-71.10	-21.99	-52.91	29.89	572.38	31.13	508.18	95.33	175.00
13	2	1358	-16.68	-58.00	-26.24	-48.44	17.42	212.34	-320.46	-37.65	-70.47	265.90
13	2	1359	-26.35	-47.43	-30.46	-43.32	8.35	-2.59	-510.89	-317.20	-196.27	246.85

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
13	2	1360	-32.62	-39.80	-33.06	-39.36	1.73	-163.50	-512.62	-417.60	-258.51	155.38
13	2	1361	-31.96	-38.25	-33.67	-36.54	-2.80	-233.23	-413.68	-406.73	-240.18	34.71
13	2	1362	-26.70	-39.57	-33.10	-33.17	-6.44	-119.91	-355.15	-322.82	-152.24	-81.00
13	2	1363	-19.98	-39.99	-32.09	-27.89	-9.78	116.94	-241.09	-121.14	-3.01	-168.99
13	2	1364	-11.25	-39.78	-32.60	-18.43	-12.38	514.61	60.40	386.04	188.97	-204.61
13	2	1365	-5.82	-39.34	-36.00	-9.16	-10.05	1277.97	296.62	1231.85	342.73	-207.67
13	2	1366	-3.87	-38.54	-31.98	-10.43	13.58	2649.37	553.82	2645.18	558.00	-93.59
13	2	1367	12.76	-53.73	-26.44	-14.53	32.71	1299.55	135.10	1191.30	243.35	-338.13
13	2	1368	12.11	-54.96	-25.90	-16.95	33.24	229.36	-656.62	-366.92	-60.34	-415.63
13	2	1369	13.12	-55.54	-25.59	-16.83	34.05	-310.11	-1539.82	-1468.69	-381.24	-287.07
13	2	1370	15.30	-56.13	-24.82	-16.01	35.44	-643.62	-2098.96	-2092.43	-650.14	-97.24
13	2	1371	18.04	-56.72	-23.47	-15.21	37.15	-794.63	-2310.30	-2304.50	-800.42	93.55
13	2	1372	21.19	-57.32	-21.60	-14.53	39.10	-756.97	-2193.59	-2146.01	-804.55	257.09
13	2	1373	24.78	-57.94	-19.47	-13.69	41.26	-532.46	-1748.10	-1619.59	-660.97	373.79
13	2	1374	29.03	-58.13	-17.13	-11.98	43.51	15.26	-860.35	-516.38	-328.70	427.63
13	2	1375	31.90	-57.08	-15.08	-10.10	44.42	1155.73	-56.25	998.64	100.84	407.07
13	2	1376	33.03	-55.51	-13.12	-9.37	44.23	2573.73	464.79	2563.81	474.71	144.30
13	2	1377	9.16	-75.89	-26.01	-40.71	41.88	1688.77	343.44	1688.77	343.44	1.08
13	2	1378	-0.30	-64.46	-25.04	-39.73	31.23	673.64	66.21	650.89	88.96	115.33
...												
13	10	1523	1.23	-8.97	-3.88	-3.87	-5.10	111.85	1.78	72.24	41.40	52.83
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-183.46	-105.60	-182.43	-17.80		-3046.12	-2544.84	-3031.21	-1126.36
			94.14		77.43	47.64	64.30	6368.96		5591.40	5505.23	1249.17

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	1	1.55	0.17	-0.94	-0.93	0.17	0.08	-34.84	-248.09	-138.64	-144.29	-106.58
		2	2.02	8.00	-0.89	7.90	-0.80	-0.90	122.72	-185.00	-136.09	73.81	112.51
		9	5.43	7.32	-9.31	-4.63	2.64	-7.48	-419.61	-892.45	-661.94	-650.12	-236.34
		8	1.82	4.71	0.68	0.68	4.71	-0.04	114.13	-181.92	71.89	-139.68	103.54
1	5	1	1.16	0.29	-0.87	-0.87	0.29	0.09	-26.80	-185.77	-104.29	-108.29	-79.46
		2	1.51	6.54	-0.78	6.40	-0.64	-0.99	93.44	-133.43	-95.64	55.64	84.53
		9	4.09	5.55	-7.47	-4.08	2.16	-5.71	-308.91	-670.35	-493.26	-485.99	-180.68
		8	1.35	3.87	0.64	0.64	3.86	-0.02	85.88	-132.84	54.73	-101.69	76.44
1	7	1	1.16	0.29	-0.87	-0.87	0.29	0.09	-26.80	-185.77	-104.29	-108.29	-79.46
		2	1.51	6.54	-0.78	6.40	-0.64	-0.99	93.44	-133.43	-95.64	55.64	84.53
		9	4.09	5.55	-7.47	-4.08	2.16	-5.71	-308.91	-670.35	-493.26	-485.99	-180.68
		8	1.35	3.87	0.64	0.64	3.86	-0.02	85.88	-132.84	54.73	-101.69	76.44
1	9	1	1.16	0.29	-0.87	-0.87	0.29	0.09	-26.80	-185.77	-104.29	-108.29	-79.46
		2	1.51	6.54	-0.78	6.40	-0.64	-0.99	93.44	-133.43	-95.64	55.64	84.53
		9	4.09	5.55	-7.47	-4.08	2.16	-5.71	-308.91	-670.35	-493.26	-485.99	-180.68
		8	1.35	3.87	0.64	0.64	3.86	-0.02	85.88	-132.84	54.73	-101.69	76.44
2	1	2	3.29	7.73	0.14	7.58	0.29	1.06	99.17	-399.19	-368.77	68.75	-119.30
		3	1.85	24.82	0.07	24.81	0.08	-0.34	13.25	-171.63	-131.35	-27.03	76.32
		10	2.95	28.98	-0.45	27.82	0.71	-5.73	32.65	-329.12	-153.55	-142.92	180.81
		9	4.39	12.00	-9.88	2.18	-0.06	-10.89	-229.38	-683.68	-337.21	-575.85	-193.28
2	5	2	2.42	6.16	0.09	6.05	0.20	0.81	74.29	-290.90	-267.74	51.13	-89.01
		3	1.43	20.66	0.09	20.66	0.09	-0.26	10.02	-125.88	-95.72	-20.14	56.47
		10	2.31	23.55	-0.76	22.28	0.51	-5.41	27.31	-248.51	-115.70	-105.50	137.82
		9	3.29	9.00	-8.17	0.64	0.19	-8.58	-157.26	-506.03	-236.56	-426.72	-146.19
2	7	2	2.42	6.16	0.09	6.05	0.20	0.81	74.29	-290.90	-267.74	51.13	-89.01
		3	1.43	20.66	0.09	20.66	0.09	-0.26	10.02	-125.88	-95.72	-20.14	56.47
		10	2.31	23.55	-0.76	22.28	0.51	-5.41	27.31	-248.51	-115.70	-105.50	137.82
		9	3.29	9.00	-8.17	0.64	0.19	-8.58	-157.26	-506.03	-236.56	-426.72	-146.19
2	9	2	2.42	6.16	0.09	6.05	0.20	0.81	74.29	-290.90	-267.74	51.13	-89.01
		3	1.43	20.66	0.09	20.66	0.09	-0.26	10.02	-125.88	-95.72	-20.14	56.47
		10	2.31	23.55	-0.76	22.28	0.51	-5.41	27.31	-248.51	-115.70	-105.50	137.82
		9	3.29	9.00	-8.17	0.64	0.19	-8.58	-157.26	-506.03	-236.56	-426.72	-146.19
3	6	3	1.31	27.23	0.94	27.22	0.95	0.43	19.73	-82.42	-48.37	-14.32	-48.15
		4	2.04	35.81	0.52	35.81	0.52	-0.27	4.75	-129.56	-124.13	-0.68	26.46
		11	2.22	36.03	-1.95	35.96	-1.88	1.64	-39.79	-180.99	-159.13	-61.65	-51.08
		10	1.90	28.81	-5.55	24.59	-1.33	-11.28	-48.70	-170.72	-106.86	-112.56	60.95
3	8	3	1.31	27.23	0.94	27.22	0.95	0.43	19.73	-82.42	-48.37	-14.32	-48.15

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		4	2.04	35.81	0.52	35.81	0.52	-0.27	4.75	-129.56	-124.13	-0.68	26.46
		11	2.22	36.03	-1.95	35.96	-1.88	1.64	-39.79	-180.99	-159.13	-61.65	-51.08
		10	1.90	28.81	-5.55	24.59	-1.33	-11.28	-48.70	-170.72	-106.86	-112.56	60.95
3	10	3	1.31	27.23	0.94	27.22	0.95	0.43	19.73	-82.42	-48.37	-14.32	-48.15
		4	2.04	35.81	0.52	35.81	0.52	-0.27	4.75	-129.56	-124.13	-0.68	26.46
		11	2.22	36.03	-1.95	35.96	-1.88	1.64	-39.79	-180.99	-159.13	-61.65	-51.08
		10	1.90	28.81	-5.55	24.59	-1.33	-11.28	-48.70	-170.72	-106.86	-112.56	60.95
3	12	3	2.52	47.76	2.26	47.71	2.31	1.47	1.57	-153.88	-139.55	-12.77	-44.98
		4	3.08	49.17	0.06	49.17	0.06	0.18	1.95	-218.43	-214.97	-1.52	27.41
		11	3.37	52.03	-1.98	51.07	-1.02	7.14	-39.38	-262.32	-247.05	-54.65	-56.32
		10	2.83	41.04	-7.51	36.20	-2.67	-14.54	-77.08	-242.40	-202.34	-117.13	70.83
4	6	4	2.06	36.12	0.64	36.12	0.65	0.41	17.41	-139.37	-117.02	-4.95	-54.82
		5	1.27	25.25	0.90	25.25	0.90	-0.24	-3.13	-71.25	-67.48	-6.90	15.57
		12	2.80	30.71	-6.34	25.92	-1.55	12.43	38.33	-254.16	-115.16	-100.67	-146.07
		11	2.14	36.31	-2.24	36.22	-2.15	-1.91	-43.00	-175.82	-156.10	-62.72	-47.23
4	8	4	2.06	36.12	0.64	36.12	0.65	0.41	17.41	-139.37	-117.02	-4.95	-54.82
		5	1.27	25.25	0.90	25.25	0.90	-0.24	-3.13	-71.25	-67.48	-6.90	15.57
		12	2.80	30.71	-6.34	25.92	-1.55	12.43	38.33	-254.16	-115.16	-100.67	-146.07
		11	2.14	36.31	-2.24	36.22	-2.15	-1.91	-43.00	-175.82	-156.10	-62.72	-47.23
4	10	4	2.06	36.12	0.64	36.12	0.65	0.41	17.41	-139.37	-117.02	-4.95	-54.82
		5	1.27	25.25	0.90	25.25	0.90	-0.24	-3.13	-71.25	-67.48	-6.90	15.57
		12	2.80	30.71	-6.34	25.92	-1.55	12.43	38.33	-254.16	-115.16	-100.67	-146.07
		11	2.14	36.31	-2.24	36.22	-2.15	-1.91	-43.00	-175.82	-156.10	-62.72	-47.23
4	20	4	1.62	21.29	1.30	21.13	1.46	1.78	32.46	-140.62	-96.93	-11.23	-75.18
		5	0.85	11.21	1.95	11.07	2.10	-1.14	-0.70	-86.96	-75.83	-11.83	-28.92
		12	5.33	42.65	-13.40	30.22	-0.97	23.29	232.45	-413.35	-125.97	-54.92	-320.94
		11	2.21	41.67	-6.45	36.31	-1.09	-15.14	55.23	-191.20	-142.11	6.13	-98.43
5	6	5	1.32	22.49	0.06	22.49	0.06	-0.05	32.75	-104.26	-58.16	-13.35	-64.74
		6	1.34	5.00	0.12	4.98	0.14	-0.24	47.48	-149.53	-136.76	34.71	48.50
		13	1.71	5.05	-7.67	-2.88	0.26	6.17	-74.20	-268.33	-82.69	-259.84	39.68
		12	3.08	26.64	-2.58	22.57	1.49	10.12	105.46	-287.73	-89.65	-92.62	-196.59
5	8	5	1.32	22.49	0.06	22.49	0.06	-0.05	32.75	-104.26	-58.16	-13.35	-64.74
		6	1.34	5.00	0.12	4.98	0.14	-0.24	47.48	-149.53	-136.76	34.71	48.50
		13	1.71	5.05	-7.67	-2.88	0.26	6.17	-74.20	-268.33	-82.69	-259.84	39.68
		12	3.08	26.64	-2.58	22.57	1.49	10.12	105.46	-287.73	-89.65	-92.62	-196.59
5	10	5	1.32	22.49	0.06	22.49	0.06	-0.05	32.75	-104.26	-58.16	-13.35	-64.74
		6	1.34	5.00	0.12	4.98	0.14	-0.24	47.48	-149.53	-136.76	34.71	48.50
		13	1.71	5.05	-7.67	-2.88	0.26	6.17	-74.20	-268.33	-82.69	-259.84	39.68
		12	3.08	26.64	-2.58	22.57	1.49	10.12	105.46	-287.73	-89.65	-92.62	-196.59
5	22	5	1.57	2.30	-1.27	1.34	-0.30	-1.59	82.86	-170.95	-68.36	-19.72	-124.56
		6	2.02	13.56	2.40	13.48	2.47	-0.91	54.34	-211.37	-209.83	52.80	20.19
		13	2.56	3.14	-15.77	-4.55	-8.09	9.29	-146.38	-423.07	-174.08	-395.36	-83.05
		12	4.77	24.49	6.45	21.16	9.78	-6.99	301.03	-454.23	-86.86	-66.34	-377.49
6	5	6	0.95	4.88	-0.68	4.22	-0.01	1.80	72.84	-65.42	-32.19	39.61	-59.08
		7	0.62	0.10	-1.10	-0.96	-0.04	-0.38	-23.57	-101.95	-63.62	-61.90	39.18
		14	0.89	4.56	-0.04	0.06	4.46	0.65	68.66	-66.36	42.51	-40.22	-53.35
		13	2.41	5.15	-4.29	-0.22	1.08	4.67	-219.06	-395.89	-297.07	-317.87	87.80
6	7	6	0.95	4.88	-0.68	4.22	-0.01	1.80	72.84	-65.42	-32.19	39.61	-59.08
		7	0.62	0.10	-1.10	-0.96	-0.04	-0.38	-23.57	-101.95	-63.62	-61.90	39.18
		14	0.89	4.56	-0.04	0.06	4.46	0.65	68.66	-66.36	42.51	-40.22	-53.35
		13	2.41	5.15	-4.29	-0.22	1.08	4.67	-219.06	-395.89	-297.07	-317.87	87.80
6	9	6	0.95	4.88	-0.68	4.22	-0.01	1.80	72.84	-65.42	-32.19	39.61	-59.08
		7	0.62	0.10	-1.10	-0.96	-0.04	-0.38	-23.57	-101.95	-63.62	-61.90	39.18
		14	0.89	4.56	-0.04	0.06	4.46	0.65	68.66	-66.36	42.51	-40.22	-53.35
		13	2.41	5.15	-4.29	-0.22	1.08	4.67	-219.06	-395.89	-297.07	-317.87	87.80
6	22	6	1.61	4.72	-5.41	-1.08	0.38	5.01	103.33	-137.21	-92.52	58.63	-93.56
		7	0.87	5.32	-3.92	-0.61	2.00	-4.43	-20.93	-106.43	-65.64	-61.73	42.71
		14	1.44	1.93	-1.73	0.37	-0.16	1.81	82.78	-152.56	56.06	-125.83	-74.67
		13	3.23	12.69	7.16	8.19	11.66	2.16	-365.93	-475.62	-377.86	-463.70	-34.15
7	1	8	3.25	7.07	1.68	1.82	6.93	0.86	110.44	-392.93	77.37	-359.86	-124.72
		9	4.43	3.33	-9.74	-8.44	2.04	3.91	-280.73	-743.99	-645.07	-379.65	-189.84
		16	2.01	9.82	1.19	7.96	3.06	3.55	8.44	-288.02	-188.30	-91.28	140.06
		15	1.16	-1.35	-8.11	-1.43	-8.02	0.75	16.70	-137.92	-30.10	-91.12	71.04
7	5	8	2.42	6.11	1.33	1.40	6.03	0.58	83.39	-288.72	57.76	-263.09	-94.23
		9	3.30	2.28	-8.23	-6.77	0.82	3.63	-200.35	-554.28	-479.73	-274.90	-144.31
		16	1.48	7.52	0.42	6.48	1.46	2.51	12.58	-209.55	-135.57	-61.41	104.69
		15	0.84	-1.09	-6.29	-1.20	-6.18	0.74	13.36	-97.40	-22.90	-61.14	51.98

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
7	7	8	2.42	6.11	1.33	1.40	6.03	0.58	83.39	-288.72	57.76	-263.09	-94.23
		9	3.30	2.28	-8.23	-6.77	0.82	3.63	-200.35	-554.28	-479.73	-274.90	-144.31
		16	1.48	7.52	0.42	6.48	1.46	2.51	12.58	-209.55	-135.57	-61.41	104.69
		15	0.84	-1.09	-6.29	-1.20	-6.18	0.74	13.36	-97.40	-22.90	-61.14	51.98
7	9	8	2.42	6.11	1.33	1.40	6.03	0.58	83.39	-288.72	57.76	-263.09	-94.23
		9	3.30	2.28	-8.23	-6.77	0.82	3.63	-200.35	-554.28	-479.73	-274.90	-144.31
		16	1.48	7.52	0.42	6.48	1.46	2.51	12.58	-209.55	-135.57	-61.41	104.69
		15	0.84	-1.09	-6.29	-1.20	-6.18	0.74	13.36	-97.40	-22.90	-61.14	51.98
8	6	9	1.06	10.55	-1.90	4.08	4.57	6.22	-74.26	-135.83	-79.20	-130.89	-16.72
		10	4.65	32.40	0.42	23.93	8.89	14.11	631.40	-9.54	32.05	589.81	157.89
		17	4.37	14.18	10.66	12.10	12.74	-1.73	-236.20	-679.14	-464.96	-450.39	221.35
		16	4.05	11.81	-2.49	9.13	0.19	5.58	577.00	68.08	534.01	111.07	141.52
8	8	9	1.06	10.55	-1.90	4.08	4.57	6.22	-74.26	-135.83	-79.20	-130.89	-16.72
		10	4.65	32.40	0.42	23.93	8.89	14.11	631.40	-9.54	32.05	589.81	157.89
		17	4.37	14.18	10.66	12.10	12.74	-1.73	-236.20	-679.14	-464.96	-450.39	221.35
		16	4.05	11.81	-2.49	9.13	0.19	5.58	577.00	68.08	534.01	111.07	141.52
8	10	9	1.06	10.55	-1.90	4.08	4.57	6.22	-74.26	-135.83	-79.20	-130.89	-16.72
		10	4.65	32.40	0.42	23.93	8.89	14.11	631.40	-9.54	32.05	589.81	157.89
		17	4.37	14.18	10.66	12.10	12.74	-1.73	-236.20	-679.14	-464.96	-450.39	221.35
		16	4.05	11.81	-2.49	9.13	0.19	5.58	577.00	68.08	534.01	111.07	141.52
8	14	9	1.10	10.55	2.46	10.39	2.61	1.10	-85.99	-155.21	-122.75	-118.44	34.54
		10	6.00	54.96	-2.14	38.84	13.97	25.70	763.05	-89.12	-54.28	728.21	168.75
		17	4.89	23.37	-5.13	-3.77	22.00	-6.09	-264.16	-761.56	-563.43	-462.29	243.51
		16	3.70	-1.89	-24.42	-14.30	-12.01	11.20	473.83	-42.82	317.10	113.91	237.51
9	2	10	5.27	35.59	9.99	32.65	12.94	8.17	770.35	3.97	23.16	751.15	119.76
		11	7.13	46.31	15.80	45.45	16.66	5.04	1035.59	27.30	28.91	1033.98	-40.30
		18	5.24	22.61	15.70	16.11	22.20	-1.65	-619.97	-739.52	-621.54	-737.95	-13.63
		17	4.61	15.35	14.09	14.70	14.75	0.63	-318.90	-727.97	-473.93	-572.94	198.46
9	6	10	4.20	30.26	6.73	26.45	10.54	8.67	608.23	5.52	19.60	594.15	91.04
		11	5.64	38.55	11.83	37.08	13.31	6.10	810.75	16.99	18.44	809.30	-33.94
		18	4.12	17.70	12.82	12.97	17.55	0.83	-485.86	-581.05	-488.78	-578.13	-16.42
		17	3.52	13.82	9.53	11.82	11.54	2.14	-254.50	-561.66	-370.59	-445.58	148.93
9	8	10	4.20	30.26	6.73	26.45	10.54	8.67	608.23	5.52	19.60	594.15	91.04
		11	5.64	38.55	11.83	37.08	13.31	6.10	810.75	16.99	18.44	809.30	-33.94
		18	4.12	17.70	12.82	12.97	17.55	0.83	-485.86	-581.05	-488.78	-578.13	-16.42
		17	3.52	13.82	9.53	11.82	11.54	2.14	-254.50	-561.66	-370.59	-445.58	148.93
9	10	10	4.20	30.26	6.73	26.45	10.54	8.67	608.23	5.52	19.60	594.15	91.04
		11	5.64	38.55	11.83	37.08	13.31	6.10	810.75	16.99	18.44	809.30	-33.94
		18	4.12	17.70	12.82	12.97	17.55	0.83	-485.86	-581.05	-488.78	-578.13	-16.42
		17	3.52	13.82	9.53	11.82	11.54	2.14	-254.50	-561.66	-370.59	-445.58	148.93
10	2	11	7.14	46.12	16.73	46.05	16.79	-1.37	1037.97	22.90	25.93	1034.95	-55.33
		12	6.39	36.48	16.53	34.27	18.75	-6.26	912.81	3.40	49.78	866.44	-200.06
		19	5.23	21.95	16.34	16.61	21.68	1.21	-261.17	-792.70	-457.02	-596.85	-256.40
		18	5.27	22.84	15.25	16.09	22.01	2.37	-601.47	-753.33	-618.04	-736.76	-47.36
10	6	11	5.64	37.55	13.34	37.50	13.40	1.15	812.61	14.19	16.81	809.98	-45.68
		12	4.96	28.70	14.24	28.05	14.89	-2.99	712.89	-3.02	33.98	675.89	-158.49
		19	4.23	19.14	11.30	13.22	17.23	3.37	-204.76	-627.71	-361.32	-471.15	-204.22
		18	4.16	19.72	10.58	12.94	17.36	4.00	-469.19	-593.86	-485.90	-577.15	-42.47
10	8	11	5.64	37.55	13.34	37.50	13.40	1.15	812.61	14.19	16.81	809.98	-45.68
		12	4.96	28.70	14.24	28.05	14.89	-2.99	712.89	-3.02	33.98	675.89	-158.49
		19	4.23	19.14	11.30	13.22	17.23	3.37	-204.76	-627.71	-361.32	-471.15	-204.22
		18	4.16	19.72	10.58	12.94	17.36	4.00	-469.19	-593.86	-485.90	-577.15	-42.47
10	10	11	5.64	37.55	13.34	37.50	13.40	1.15	812.61	14.19	16.81	809.98	-45.68
		12	4.96	28.70	14.24	28.05	14.89	-2.99	712.89	-3.02	33.98	675.89	-158.49
		19	4.23	19.14	11.30	13.22	17.23	3.37	-204.76	-627.71	-361.32	-471.15	-204.22
		18	4.16	19.72	10.58	12.94	17.36	4.00	-469.19	-593.86	-485.90	-577.15	-42.47
11	6	12	5.54	29.14	11.90	23.37	17.67	-8.14	757.67	5.05	74.94	687.78	-218.44
		13	0.77	7.01	0.80	3.20	4.61	-3.03	57.62	-42.24	8.98	6.40	-49.91
		20	4.71	23.13	9.28	13.22	19.19	-6.25	646.53	-5.72	576.98	63.83	-201.30
		19	5.22	24.50	5.55	14.29	15.77	9.44	-187.49	-745.14	-449.16	-483.47	-278.30
11	8	12	5.54	29.14	11.90	23.37	17.67	-8.14	757.67	5.05	74.94	687.78	-218.44
		13	0.77	7.01	0.80	3.20	4.61	-3.03	57.62	-42.24	8.98	6.40	-49.91
		20	4.71	23.13	9.28	13.22	19.19	-6.25	646.53	-5.72	576.98	63.83	-201.30
		19	5.22	24.50	5.55	14.29	15.77	9.44	-187.49	-745.14	-449.16	-483.47	-278.30
11	10	12	5.54	29.14	11.90	23.37	17.67	-8.14	757.67	5.05	74.94	687.78	-218.44
		13	0.77	7.01	0.80	3.20	4.61	-3.03	57.62	-42.24	8.98	6.40	-49.91
		20	4.71	23.13	9.28	13.22	19.19	-6.25	646.53	-5.72	576.98	63.83	-201.30

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		19	5.22	24.50	5.55	14.29	15.77	9.44	-187.49	-745.14	-449.16	-483.47	-278.30
11	22	12	5.41	19.37	-20.87	15.22	-16.72	-12.23	613.15	-237.46	3.43	372.26	-383.24
		13	2.51	17.79	0.66	6.15	12.29	7.99	62.14	-255.08	-62.27	-130.67	-154.88
		20	5.74	30.72	2.67	8.03	25.36	-11.02	748.23	-122.84	654.60	-29.22	-269.79
		19	6.75	27.45	-18.98	17.58	-9.11	19.00	-192.03	-953.91	-522.23	-623.72	-377.54
12	6	13	1.75	2.23	-5.91	-1.47	-2.21	4.06	-75.22	-272.43	-260.69	-86.96	46.67
		14	1.40	7.92	0.08	0.08	7.92	-0.08	43.38	-147.87	34.14	-138.64	40.99
		21	0.99	14.80	-0.66	-0.57	14.71	-1.18	15.69	-89.93	-11.73	-62.50	-46.31
		20	2.58	22.33	-0.42	2.66	19.25	7.78	85.58	-245.84	-78.05	-82.21	-165.70
12	8	13	1.75	2.23	-5.91	-1.47	-2.21	4.06	-75.22	-272.43	-260.69	-86.96	46.67
		14	1.40	7.92	0.08	0.08	7.92	-0.08	43.38	-147.87	34.14	-138.64	40.99
		21	0.99	14.80	-0.66	-0.57	14.71	-1.18	15.69	-89.93	-11.73	-62.50	-46.31
		20	2.58	22.33	-0.42	2.66	19.25	7.78	85.58	-245.84	-78.05	-82.21	-165.70
12	10	13	1.75	2.23	-5.91	-1.47	-2.21	4.06	-75.22	-272.43	-260.69	-86.96	46.67
		14	1.40	7.92	0.08	0.08	7.92	-0.08	43.38	-147.87	34.14	-138.64	40.99
		21	0.99	14.80	-0.66	-0.57	14.71	-1.18	15.69	-89.93	-11.73	-62.50	-46.31
		20	2.58	22.33	-0.42	2.66	19.25	7.78	85.58	-245.84	-78.05	-82.21	-165.70
12	20	13	1.92	4.70	-13.35	0.43	-9.09	7.67	-201.49	-312.85	-311.77	-202.57	-10.92
		14	2.39	18.49	-0.10	-0.09	18.47	0.46	46.85	-242.07	43.56	-238.77	30.69
		21	1.90	23.60	-0.70	-0.33	23.22	-3.01	10.27	-185.78	-14.39	-161.12	-65.01
		20	3.83	30.79	-3.08	-0.60	28.31	8.81	116.68	-378.43	-84.47	-177.29	-243.17
13	5	15	0.66	0.42	-4.29	0.41	-4.28	0.19	49.80	-54.29	-16.91	12.43	-49.93
		16	1.29	4.97	-2.55	0.33	2.08	-3.66	-17.84	-178.35	-144.70	-51.50	65.34
		23	0.84	4.40	-0.82	-0.52	4.10	1.22	-25.25	-123.32	-84.34	-64.22	-47.99
		22	0.39	-0.14	-2.33	-0.14	-2.33	-0.13	21.49	-41.56	-5.76	-14.31	31.24
13	7	15	0.66	0.42	-4.29	0.41	-4.28	0.19	49.80	-54.29	-16.91	12.43	-49.93
		16	1.29	4.97	-2.55	0.33	2.08	-3.66	-17.84	-178.35	-144.70	-51.50	65.34
		23	0.84	4.40	-0.82	-0.52	4.10	1.22	-25.25	-123.32	-84.34	-64.22	-47.99
		22	0.39	-0.14	-2.33	-0.14	-2.33	-0.13	21.49	-41.56	-5.76	-14.31	31.24
13	9	15	0.66	0.42	-4.29	0.41	-4.28	0.19	49.80	-54.29	-16.91	12.43	-49.93
		16	1.29	4.97	-2.55	0.33	2.08	-3.66	-17.84	-178.35	-144.70	-51.50	65.34
		23	0.84	4.40	-0.82	-0.52	4.10	1.22	-25.25	-123.32	-84.34	-64.22	-47.99
		22	0.39	-0.14	-2.33	-0.14	-2.33	-0.13	21.49	-41.56	-5.76	-14.31	31.24
13	13	15	1.73	2.18	-33.83	2.06	-33.71	2.05	71.79	-23.94	-21.33	69.19	-15.57
		16	2.98	11.05	-14.42	1.77	-5.14	-12.26	151.23	-235.60	-89.66	5.29	187.50
		23	1.17	10.50	-15.87	1.55	-6.92	12.48	48.03	-21.95	11.37	14.71	-34.95
		22	1.68	0.26	-31.94	-0.08	-31.60	-3.31	83.16	-30.22	-14.00	66.93	39.70
14	6	16	3.68	7.97	2.65	7.48	3.13	1.53	548.04	64.72	531.90	80.86	86.85
		17	3.73	14.46	10.66	12.64	12.48	1.90	-263.25	-593.03	-463.58	-392.69	161.04
		24	4.14	12.07	7.46	8.56	10.97	-1.97	-509.07	-624.79	-565.43	-568.44	-57.84
		23	4.39	9.39	4.22	6.84	6.77	2.58	673.87	73.66	668.67	78.85	-55.58
14	8	16	3.68	7.97	2.65	7.48	3.13	1.53	548.04	64.72	531.90	80.86	86.85
		17	3.73	14.46	10.66	12.64	12.48	1.90	-263.25	-593.03	-463.58	-392.69	161.04
		24	4.14	12.07	7.46	8.56	10.97	-1.97	-509.07	-624.79	-565.43	-568.44	-57.84
		23	4.39	9.39	4.22	6.84	6.77	2.58	673.87	73.66	668.67	78.85	-55.58
14	10	16	3.68	7.97	2.65	7.48	3.13	1.53	548.04	64.72	531.90	80.86	86.85
		17	3.73	14.46	10.66	12.64	12.48	1.90	-263.25	-593.03	-463.58	-392.69	161.04
		24	4.14	12.07	7.46	8.56	10.97	-1.97	-509.07	-624.79	-565.43	-568.44	-57.84
		23	4.39	9.39	4.22	6.84	6.77	2.58	673.87	73.66	668.67	78.85	-55.58
14	22	16	5.24	31.29	-19.29	12.08	-0.08	24.55	725.09	95.66	723.74	97.01	29.11
		17	3.93	25.61	-19.82	16.01	-10.22	18.54	-406.84	-589.87	-503.50	-493.22	91.37
		24	5.03	21.55	-14.67	15.63	-8.75	13.39	-464.88	-784.70	-604.27	-645.32	-158.59
		23	5.90	35.80	-17.55	10.83	7.41	26.62	846.37	39.40	825.16	60.61	-129.09
15	2	17	4.47	16.24	16.00	16.23	16.01	-0.05	-316.11	-693.99	-488.39	-521.71	188.20
		18	5.15	21.30	18.91	18.94	21.27	0.28	-615.86	-715.30	-639.36	-691.80	-42.25
		25	6.78	20.47	11.41	11.73	20.16	-1.65	-797.68	-1024.19	-805.12	-1016.74	-40.40
		24	5.13	15.95	9.56	9.98	15.54	-1.58	-581.62	-784.92	-617.85	-748.69	-77.80
15	6	17	3.42	14.56	11.14	13.16	12.54	1.68	-252.86	-535.84	-382.28	-406.42	140.98
		18	4.07	18.45	13.63	15.28	16.80	2.28	-479.06	-565.89	-502.54	-542.40	-38.57
		25	5.33	15.70	9.11	9.24	15.57	0.90	-622.96	-807.17	-631.51	-798.62	-38.77
		24	4.05	11.98	8.00	8.10	11.89	0.61	-450.67	-621.63	-484.57	-587.73	-68.16
15	8	17	3.42	14.56	11.14	13.16	12.54	1.68	-252.86	-535.84	-382.28	-406.42	140.98
		18	4.07	18.45	13.63	15.28	16.80	2.28	-479.06	-565.89	-502.54	-542.40	-38.57
		25	5.33	15.70	9.11	9.24	15.57	0.90	-622.96	-807.17	-631.51	-798.62	-38.77
		24	4.05	11.98	8.00	8.10	11.89	0.61	-450.67	-621.63	-484.57	-587.73	-68.16
15	10	17	3.42	14.56	11.14	13.16	12.54	1.68	-252.86	-535.84	-382.28	-406.42	140.98
		18	4.07	18.45	13.63	15.28	16.80	2.28	-479.06	-565.89	-502.54	-542.40	-38.57

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		25	5.33	15.70	9.11	9.24	15.57	0.90	-622.96	-807.17	-631.51	-798.62	-38.77
		24	4.05	11.98	8.00	8.10	11.89	0.61	-450.67	-621.63	-484.57	-587.73	-68.16
16	2	18	5.10	21.46	18.89	19.08	21.26	0.68	-623.49	-698.28	-632.70	-689.07	-24.57
		19	5.15	22.92	18.47	19.25	22.14	1.70	-258.52	-772.35	-479.43	-551.44	-254.38
		26	5.44	21.24	13.83	13.83	21.24	0.10	-603.90	-801.20	-605.20	-799.91	-15.94
		25	6.79	19.80	11.63	11.63	19.79	-0.25	-788.39	-1032.47	-802.87	-1017.98	-57.68
16	6	18	4.03	18.84	13.31	15.38	16.77	2.68	-485.94	-551.71	-497.34	-540.32	-24.90
		19	4.16	20.31	12.61	15.33	17.60	3.68	-202.57	-611.99	-378.74	-435.82	-202.71
		26	4.29	17.70	9.61	10.66	16.65	2.72	-473.04	-632.14	-475.07	-630.12	-17.83
		25	5.35	15.90	8.53	9.15	15.28	2.04	-614.77	-814.11	-629.38	-799.51	-51.95
16	8	18	4.03	18.84	13.31	15.38	16.77	2.68	-485.94	-551.71	-497.34	-540.32	-24.90
		19	4.16	20.31	12.61	15.33	17.60	3.68	-202.57	-611.99	-378.74	-435.82	-202.71
		26	4.29	17.70	9.61	10.66	16.65	2.72	-473.04	-632.14	-475.07	-630.12	-17.83
		25	5.35	15.90	8.53	9.15	15.28	2.04	-614.77	-814.11	-629.38	-799.51	-51.95
16	10	18	4.03	18.84	13.31	15.38	16.77	2.68	-485.94	-551.71	-497.34	-540.32	-24.90
		19	4.16	20.31	12.61	15.33	17.60	3.68	-202.57	-611.99	-378.74	-435.82	-202.71
		26	4.29	17.70	9.61	10.66	16.65	2.72	-473.04	-632.14	-475.07	-630.12	-17.83
		25	5.35	15.90	8.53	9.15	15.28	2.04	-614.77	-814.11	-629.38	-799.51	-51.95
17	2	19	5.46	22.59	16.76	19.84	19.51	2.91	-269.94	-823.25	-566.01	-527.18	-275.97
		20	5.55	30.42	12.73	14.24	28.91	-4.94	797.35	-4.17	748.14	45.04	-192.41
		27	6.32	39.59	11.38	11.39	39.58	-0.49	890.49	-1.19	889.36	-0.06	-31.74
		26	5.48	19.21	13.06	15.91	16.36	3.07	-685.55	-784.60	-694.08	-776.07	-27.79
17	6	19	4.41	20.37	10.95	15.81	15.51	4.71	-210.92	-650.78	-444.74	-416.97	-219.49
		20	4.21	23.61	10.37	10.51	23.47	-1.36	613.55	-13.31	573.33	26.91	-153.60
		27	4.96	31.87	8.01	8.35	31.52	2.86	687.72	-6.24	686.73	-5.25	-26.18
		26	4.33	17.58	7.50	12.28	12.80	5.04	-533.93	-621.14	-543.41	-611.66	-27.14
17	8	19	4.41	20.37	10.95	15.81	15.51	4.71	-210.92	-650.78	-444.74	-416.97	-219.49
		20	4.21	23.61	10.37	10.51	23.47	-1.36	613.55	-13.31	573.33	26.91	-153.60
		27	4.96	31.87	8.01	8.35	31.52	2.86	687.72	-6.24	686.73	-5.25	-26.18
		26	4.33	17.58	7.50	12.28	12.80	5.04	-533.93	-621.14	-543.41	-611.66	-27.14
17	10	19	4.41	20.37	10.95	15.81	15.51	4.71	-210.92	-650.78	-444.74	-416.97	-219.49
		20	4.21	23.61	10.37	10.51	23.47	-1.36	613.55	-13.31	573.33	26.91	-153.60
		27	4.96	31.87	8.01	8.35	31.52	2.86	687.72	-6.24	686.73	-5.25	-26.18
		26	4.33	17.58	7.50	12.28	12.80	5.04	-533.93	-621.14	-543.41	-611.66	-27.14
18	6	20	2.51	27.59	-6.34	-1.38	22.63	11.98	37.11	-219.53	-79.95	-102.47	-127.83
		21	0.97	18.24	0.69	0.71	18.23	-0.43	-8.08	-61.15	-10.52	-58.70	11.13
		28	1.57	24.97	0.36	0.36	24.97	-0.08	7.21	-116.80	-4.19	-105.40	-35.83
		27	2.02	32.09	-3.36	-3.20	31.93	-2.39	-21.08	-153.63	-27.42	-147.30	-28.28
18	8	20	2.51	27.59	-6.34	-1.38	22.63	11.98	37.11	-219.53	-79.95	-102.47	-127.83
		21	0.97	18.24	0.69	0.71	18.23	-0.43	-8.08	-61.15	-10.52	-58.70	11.13
		28	1.57	24.97	0.36	0.36	24.97	-0.08	7.21	-116.80	-4.19	-105.40	-35.83
		27	2.02	32.09	-3.36	-3.20	31.93	-2.39	-21.08	-153.63	-27.42	-147.30	-28.28
18	10	20	2.51	27.59	-6.34	-1.38	22.63	11.98	37.11	-219.53	-79.95	-102.47	-127.83
		21	0.97	18.24	0.69	0.71	18.23	-0.43	-8.08	-61.15	-10.52	-58.70	11.13
		28	1.57	24.97	0.36	0.36	24.97	-0.08	7.21	-116.80	-4.19	-105.40	-35.83
		27	2.02	32.09	-3.36	-3.20	31.93	-2.39	-21.08	-153.63	-27.42	-147.30	-28.28
18	22	20	3.84	32.18	-6.90	-2.76	28.03	12.03	80.07	-371.63	-84.96	-206.60	-217.51
		21	2.02	31.53	2.06	2.18	31.41	-1.86	-9.46	-157.27	-10.28	-156.45	-10.97
		28	2.14	28.89	-0.30	-0.29	28.89	-0.32	12.05	-183.29	-6.59	-164.66	-57.39
		27	2.61	37.62	-3.83	-1.79	35.58	-8.96	31.10	-244.23	-9.48	-203.65	-97.60
19	6	22	0.68	1.15	0.18	0.31	1.02	0.33	41.25	-70.15	-8.42	-20.47	-55.37
		23	1.01	7.06	-2.46	-1.01	5.62	-3.41	6.66	-125.65	-51.59	-67.40	-65.68
		30	2.40	8.14	-2.18	-0.58	6.54	3.74	78.77	-279.33	-120.62	-79.94	-177.89
		29	0.26	0.30	-1.45	-0.05	-1.10	0.70	-5.43	-33.94	-12.81	-26.56	12.48
19	8	22	0.68	1.15	0.18	0.31	1.02	0.33	41.25	-70.15	-8.42	-20.47	-55.37
		23	1.01	7.06	-2.46	-1.01	5.62	-3.41	6.66	-125.65	-51.59	-67.40	-65.68
		30	2.40	8.14	-2.18	-0.58	6.54	3.74	78.77	-279.33	-120.62	-79.94	-177.89
		29	0.26	0.30	-1.45	-0.05	-1.10	0.70	-5.43	-33.94	-12.81	-26.56	12.48
19	10	22	0.68	1.15	0.18	0.31	1.02	0.33	41.25	-70.15	-8.42	-20.47	-55.37
		23	1.01	7.06	-2.46	-1.01	5.62	-3.41	6.66	-125.65	-51.59	-67.40	-65.68
...													
1532	24	1521	13.07	-47.59	-135.93	-134.94	-48.58	9.30	1991.51	333.85	356.06	1969.30	-190.58
Elem.			**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
					-673.12	-260.25	-608.25	-137.99		-6191.46	-6147.04	-6191.17	-1901.41
			49.24	276.04		155.21	263.83	187.28	7547.28		6991.52	6915.15	1907.08

14 VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

14.1 LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "*Singolo Elemento …*" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "*Parete Sismica" e "Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)

Nz	No	Nzo	Sforzi membranali per pareti e\o setti verticali
Mz	Mo	Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx	Ny	Nxy	Sforzi membranali per gusci orizzontali
Mx	Mx	Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore

N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)

Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

14.2 PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:
"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

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

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

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

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

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono effettuate dal modulo geotecnico incrementando automaticamente la componente sismica delle azioni di un fattore 1.1 in CDB e 1.3 in CDA.

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

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
9	ok	0.08	7.18e-02	1.91e-02	5.7	5.7	5.7	5.7	-79.7	-14.6	-27.0	506.0	58.6	32.7
10	ok	0.08	0.2	4.40e-03	5.7	5.7	5.7	5.7	24.7	33.6	-20.9	890.9	161.0	-0.5

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
11	ok	0.08	0.2	0.0	5.7	5.7	5.7	5.7	44.6	51.7	-10.5	1092.2	215.2	45.5
12	ok	0.08	0.2	1.64e-03	5.7	5.7	5.7	5.7	26.5	41.9	28.7	887.8	121.1	26.4
13	ok	0.08	7.96e-02	1.10e-02	5.7	5.7	5.7	5.7	-47.1	-12.4	12.1	522.1	74.7	-9.0
50	ok	0.08	0.1	1.27e-02	5.7	5.7	5.7	5.7	54.2	27.5	-45.9	490.6	108.4	-16.6
51	ok	0.08	0.1	1.95e-02	5.7	5.7	5.7	5.7	3.6	28.0	-51.3	523.4	251.4	47.6
52	ok	0.08	0.1	1.01e-02	5.7	5.7	5.7	5.7	-1.9	14.2	-21.4	562.1	288.2	46.7
53	ok	0.08	0.1	1.45e-02	5.7	5.7	6.8	6.8	-31.3	-9.8	30.9	-525.5	-365.4	36.8
54	ok	0.08	0.1	7.21e-03	5.7	5.7	6.8	6.8	81.5	97.6	51.3	399.9	-85.0	-0.8
205	ok	0.08	0.8	4.03e-02	5.7	5.7	5.7	5.7	189.4	86.9	-68.4	-2220.2	-174.6	158.2
206	ok	0.08	0.3	3.65e-02	5.7	5.7	5.7	5.7	-2.5	-164.4	-4.1	-1670.9	-405.5	-16.5
207	ok	0.08	0.3	3.36e-02	5.7	5.7	5.7	5.7	-13.9	-154.1	-20.2	-1782.6	-360.3	-69.9
208	ok	0.09	0.3	3.13e-02	7.4	7.4	6.8	6.8	9.22e-02	-144.5	-20.5	-2079.1	-465.2	-90.9
209	ok	0.09	0.9	3.12e-02	7.4	7.4	6.8	6.8	194.1	-147.1	-23.5	-3648.0	-1155.4	77.9
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-79.70	-164.41	-68.37	-3647.97	-1155.42	-90.93
		0.09	0.87	0.04	7.39	7.39	6.79	6.79	194.13	97.62	51.35	1092.25	288.20	158.18

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
9	ok	0.57						
10	ok	0.79						
11	ok	0.85						
12	ok	0.85						
13	ok	0.67						
50	ok	1.33						
51	ok	1.33						
52	ok	1.20						
53	ok	1.57						
54	ok	1.57						
205	ok	1.33						
206	ok	1.33						
207	ok	1.20						
208	ok	1.57						
209	ok	1.57						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.57						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
9	ok	0.08	9.01e-02	1.75e-02	5.7	5.7	5.7	5.7	-81.5	-13.4	3.1	622.2	68.3	-2.4
16	ok	0.08	0.1	5.46e-03	5.7	5.7	5.7	5.7	30.9	2.5	21.2	810.9	142.9	-31.2
23	ok	0.08	0.2	3.09e-03	5.7	5.7	5.7	5.7	36.0	9.6	32.2	840.6	177.1	-69.3
30	ok	0.08	0.1	3.21e-03	5.7	5.7	5.7	5.7	21.3	15.4	16.1	632.5	127.0	-115.9
37	ok	0.08	7.72e-02	1.73e-02	5.7	5.7	5.7	5.7	-79.5	-16.8	-9.4	542.5	27.8	-19.9
50	ok	0.08	8.91e-02	1.07e-02	6.8	6.8	6.8	5.7	50.8	-39.0	-28.5	-222.2	-54.1	-82.1
55	ok	0.08	9.99e-02	1.01e-02	6.8	6.8	6.8	5.7	19.7	43.2	12.9	155.8	376.2	36.8
57	ok	0.08	8.97e-02	7.89e-03	5.7	5.7	5.7	5.7	21.4	42.6	-12.4	430.8	399.1	-23.7
59	ok	0.08	0.1	1.25e-02	5.7	5.7	5.7	5.7	12.6	34.6	-24.6	381.4	389.6	-138.9
61	ok	0.08	0.1	1.55e-02	5.7	5.7	5.7	5.7	-8.1	-47.4	-32.7	267.3	139.6	-2.5
205	ok	0.08	0.8	6.87e-03	6.8	6.8	6.8	5.7	214.7	63.9	83.3	-3271.3	-772.5	34.2
230	ok	0.08	0.3	2.07e-02	6.8	6.8	6.8	5.7	-89.6	144.7	17.2	-1624.5	338.0	-174.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
250	ok	0.08	0.3	1.15e-02	5.7	5.7	5.7	5.7	-16.0	139.1	-21.0	-1421.9	73.4	-116.0
270	ok	0.08	0.2	2.08e-02	5.7	5.7	5.7	5.7	-3.1	120.7	-46.0	-1274.1	-15.7	-1.6
304	ok	0.08	0.3	4.55e-02	5.7	5.7	5.7	5.7	93.2	147.8	-61.7	-910.1	14.2	33.0
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-89.63	-47.41	-61.66	-3271.28	-772.52	-174.20
		0.08	0.77	0.05	6.79	6.79	6.79	5.65	214.65	147.82	83.32	840.62	399.05	36.82

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
9	ok	0.50						
16	ok	0.59						
23	ok	0.59						
30	ok	0.49						
37	ok	0.47						
50	ok	1.46						
55	ok	1.46						
57	ok	1.25						
59	ok	1.06						
61	ok	0.81						
205	ok	1.46						
230	ok	1.46						
250	ok	1.25						
270	ok	1.06						
304	ok	0.81						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.46						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
13	ok	0.08	7.76e-02	1.22e-02	5.7	5.7	5.7	5.7	-45.3	12.6	26.9	-385.7	41.1	8.5
20	ok	0.08	0.2	1.71e-03	5.7	5.7	5.7	5.7	33.9	31.8	17.5	-825.6	-148.3	-64.6
27	ok	0.08	0.2	0.0	5.7	5.7	5.7	5.7	39.4	45.2	16.2	-917.4	-173.3	-19.7
34	ok	0.08	0.1	5.18e-03	5.7	5.7	5.7	5.7	28.5	21.5	-39.0	-574.1	-116.3	-17.1
41	ok	0.08	4.36e-02	1.26e-02	5.7	5.7	5.7	5.7	-26.2	-17.0	-28.1	-210.7	11.0	-2.8
54	ok	0.08	0.1	1.09e-02	5.7	5.7	5.7	5.7	102.0	79.4	48.6	-487.2	-339.0	-47.5
56	ok	0.08	0.1	1.35e-02	5.7	5.7	5.7	5.7	-9.4	70.0	64.2	522.3	433.6	-12.7
58	ok	0.08	8.90e-02	7.57e-03	5.7	5.7	5.7	5.7	-8.9	19.1	2.0	238.1	48.0	-42.9
60	ok	0.08	9.64e-02	1.52e-02	5.7	5.7	5.7	5.7	0.2	66.3	-73.4	113.4	203.0	-57.7
65	ok	0.08	0.1	1.35e-02	5.7	5.7	5.7	5.7	73.4	29.3	-55.4	-669.2	-302.7	-90.5
209	ok	0.08	0.9	3.63e-02	5.7	7.6	5.7	5.8	217.2	67.5	76.9	2804.9	515.0	85.7
231	ok	0.08	0.3	3.49e-02	5.7	5.7	5.7	5.7	-17.0	-136.1	-4.8	1635.0	356.4	122.2
251	ok	0.08	0.3	2.50e-02	5.7	5.7	5.7	5.7	-25.2	-114.7	14.0	1521.4	280.0	16.1
271	ok	0.08	0.3	2.56e-02	5.7	5.7	5.7	5.7	-8.9	-90.6	14.5	1582.4	361.6	-22.6
308	ok	0.08	0.6	3.96e-03	5.7	5.7	5.7	5.7	164.5	111.1	-60.2	1683.9	-109.4	-64.2
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-45.28	-136.12	-73.42	-917.36	-338.99	-90.54
		0.08	0.88	0.04	5.65	7.61	5.65	5.79	217.25	111.06	76.92	2804.88	515.04	122.24

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
13	ok	0.65						
20	ok	0.76						
27	ok	0.76						
34	ok	0.62						
41	ok	0.29						
54	ok	1.69						
56	ok	1.69						
58	ok	1.29						
60	ok	1.40						
65	ok	1.40						
209	ok	1.69						
231	ok	1.69						
251	ok	1.29						
271	ok	1.40						
308	ok	1.40						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.69						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
37	ok	0.08	7.74e-02	1.69e-02	5.7	5.7	5.7	5.7	-75.1	-12.1	-16.3	-541.2	-33.2	-24.1
38	ok	0.08	0.2	2.34e-03	5.7	5.7	5.7	5.7	33.5	4.4	-3.2	-861.4	-168.8	58.6
39	ok	0.08	0.2	3.84e-03	5.7	5.7	5.7	5.7	43.9	1.3	-12.3	-1023.2	-245.0	0.5
40	ok	0.08	0.2	6.26e-03	5.7	5.7	5.7	5.7	37.6	-8.8	17.6	-671.6	-158.3	-22.5
41	ok	0.08	7.96e-02	8.79e-03	5.7	5.7	5.7	5.7	-21.8	-12.7	-16.5	-402.2	13.8	-29.5
61	ok	0.08	0.1	1.12e-02	5.7	5.7	5.7	5.7	-2.9	17.0	-25.7	-250.5	336.5	-135.8
62	ok	0.08	0.1	1.06e-02	5.7	5.7	5.7	5.7	29.9	-31.9	-37.0	-105.7	41.0	-24.6
63	ok	0.08	1.00e-01	8.68e-03	5.7	5.7	5.7	5.7	44.4	-38.6	-8.1	-97.2	-53.5	41.3
64	ok	0.08	9.12e-02	7.44e-03	5.7	5.7	5.7	5.7	50.2	56.7	55.2	102.7	90.6	121.6
65	ok	0.08	0.1	9.21e-03	5.7	5.7	5.7	5.7	70.7	-6.9	0.7	-192.5	-338.3	-29.6
304	ok	0.08	0.4	3.30e-02	5.7	5.7	5.7	5.7	89.1	-115.1	57.6	1401.3	892.5	140.5
305	ok	0.08	0.3	1.72e-02	5.7	5.7	5.7	5.7	48.5	-73.6	0.4	1450.6	325.7	-13.4
306	ok	0.08	0.4	1.62e-02	5.7	5.7	5.7	5.7	38.9	-71.8	-20.8	1593.8	312.0	50.7
307	ok	0.08	0.4	1.72e-02	5.7	5.7	5.7	5.7	46.8	-75.7	-25.1	1705.9	366.3	69.5
308	ok	0.08	0.7	2.79e-02	5.7	5.7	5.7	5.7	193.0	154.4	59.4	1843.7	-52.3	119.7
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-75.12	-115.07	-37.03	-1023.24	-338.28	-135.78
		0.08	0.72	0.03	5.65	5.65	5.65	5.65	193.01	154.43	59.42	1843.73	892.49	140.49

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
37	ok	0.56						
38	ok	0.83						
39	ok	0.91						
40	ok	0.91						
41	ok	0.55						
61	ok	1.35						
62	ok	1.44						
63	ok	1.50						
64	ok	1.59						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
65	ok	1.59						
304	ok	1.35						
305	ok	1.44						
306	ok	1.50						
307	ok	1.59						
308	ok	1.59						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.59						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
90	ok	0.08	0.2	6.09e-02	5.7	5.7	5.7	5.7	-273.1	-22.9	-54.8	1613.4	32.0	76.6
91	ok	0.08	0.3	2.05e-02	5.7	5.7	5.7	5.7	-21.6	17.2	37.2	1593.4	197.3	-93.1
92	ok	0.08	0.3	2.77e-02	5.7	5.7	5.7	5.7	-20.9	-17.1	88.3	1656.0	300.4	-147.8
93	ok	0.08	0.3	2.81e-02	5.7	5.7	5.7	5.7	-60.6	-52.8	22.2	1031.3	256.8	-57.2
94	ok	0.08	0.4	2.80e-02	5.7	5.7	5.7	5.7	-50.6	-70.6	21.8	1112.8	282.4	-11.9
95	ok	0.08	0.4	2.95e-02	5.7	5.7	5.7	5.7	-43.9	-83.9	24.8	1181.1	303.0	46.9
96	ok	0.08	0.4	3.21e-02	5.7	5.7	5.7	5.7	-46.5	-104.5	68.9	1148.0	295.5	119.6
97	ok	0.08	0.5	3.53e-02	5.7	5.7	5.7	5.7	-54.7	-114.6	74.2	976.5	251.0	170.8
98	ok	0.08	0.5	3.94e-02	5.7	5.7	5.7	5.7	-48.5	-108.9	48.9	759.4	187.6	200.5
99	ok	0.08	0.6	4.22e-02	5.7	5.7	5.7	5.7	-67.0	-133.1	91.3	441.1	111.1	197.4
100	ok	0.08	0.6	4.35e-02	5.7	5.7	5.7	5.7	-73.7	-135.5	93.8	164.8	45.0	164.9
101	ok	0.08	0.6	4.45e-02	5.7	5.7	5.7	5.7	-81.9	-135.7	95.5	-34.8	-0.3	128.6
102	ok	0.08	0.6	4.47e-02	5.7	5.7	5.7	5.7	-87.0	-133.6	96.1	-200.0	-38.1	87.8
103	ok	0.08	0.6	4.45e-02	5.7	5.7	5.7	5.7	-90.7	-129.5	95.7	-327.4	-66.3	46.2
104	ok	0.08	0.6	4.45e-02	5.7	5.7	5.7	5.7	-95.0	-124.0	95.1	-429.8	-88.6	8.0
105	ok	0.08	0.6	4.43e-02	5.7	5.7	5.7	5.7	-94.1	-90.0	44.9	-535.9	-114.8	-19.4
106	ok	0.08	0.6	4.40e-02	5.7	5.7	5.7	5.7	-101.5	-82.4	39.6	-631.8	-138.5	-62.4
107	ok	0.08	0.5	4.28e-02	5.7	5.7	5.7	5.7	-108.3	-72.1	31.0	-639.6	-142.6	-111.4
108	ok	0.08	0.4	3.93e-02	5.7	5.7	5.7	5.7	-103.7	-55.6	16.3	-472.1	-103.1	-150.6
109	ok	0.08	0.2	3.19e-02	5.7	5.7	5.7	5.7	-23.7	-31.9	-4.1	-11.6	58.0	-118.9
110	ok	0.08	0.2	5.04e-02	5.7	5.7	5.7	5.7	-188.1	-59.9	91.4	1020.7	51.1	-140.9
586	ok	0.08	0.4	4.27e-02	5.7	5.7	5.7	5.7	-132.9	-79.3	89.7	-420.9	-1718.4	370.3
587	ok	0.08	0.3	3.09e-02	5.7	5.7	5.7	5.7	-53.4	-69.4	58.0	162.2	-602.2	370.0
588	ok	0.08	0.4	2.91e-02	5.7	5.7	5.7	5.7	-23.9	-67.4	55.9	504.4	-58.7	-92.8
589	ok	0.08	0.4	2.76e-02	5.7	5.7	5.7	5.7	-15.0	-65.5	69.8	815.4	241.4	-122.8
590	ok	0.08	0.3	2.71e-02	5.7	5.7	5.7	5.7	-49.0	-61.4	67.1	835.3	284.6	61.1
591	ok	0.08	0.3	2.80e-02	5.7	5.7	5.7	5.7	-48.0	-69.5	66.8	880.7	297.0	115.2
592	ok	0.08	0.2	3.00e-02	5.7	5.7	5.7	5.7	-27.9	-77.4	67.3	970.7	325.6	69.1
593	ok	0.08	0.2	3.26e-02	5.7	5.7	5.7	5.7	-44.5	-89.6	82.1	857.7	256.9	159.7
594	ok	0.08	0.2	3.47e-02	5.7	5.7	5.7	5.7	-56.2	-93.0	85.5	689.3	179.5	181.0
595	ok	0.08	0.2	3.59e-02	5.7	5.7	5.7	5.7	-65.6	-95.7	86.0	503.3	102.8	173.9
596	ok	0.08	0.1	3.70e-02	5.7	5.7	5.7	5.7	-73.8	-97.0	86.6	324.8	42.0	143.4
597	ok	0.08	0.1	3.73e-02	5.7	5.7	5.7	5.7	-79.0	-96.8	85.2	183.0	-3.2	102.4
598	ok	0.08	9.33e-02	3.73e-02	5.7	5.7	5.7	5.7	-73.9	-80.8	74.8	108.6	-33.1	32.1
599	ok	0.08	8.93e-02	3.71e-02	5.7	5.7	5.7	5.7	-83.4	-78.7	51.8	-22.0	-57.5	-3.0
600	ok	0.08	9.74e-02	3.67e-02	5.7	5.7	5.7	5.7	-83.2	-73.7	68.5	-66.2	-75.6	-48.4
601	ok	0.08	0.1	3.59e-02	5.7	5.7	5.7	5.7	-91.5	-63.2	49.9	-122.9	-81.0	-93.8
602	ok	0.08	0.2	3.47e-02	5.7	5.7	5.7	5.7	-96.3	-54.3	43.0	-138.0	-80.3	-135.3
603	ok	0.08	0.2	3.24e-02	5.7	5.7	5.7	5.7	-98.4	-42.9	32.6	-108.6	-53.9	-153.3
604	ok	0.08	0.3	2.82e-02	5.7	5.7	5.7	5.7	-91.8	-32.2	18.6	-38.3	10.5	-128.5
605	ok	0.08	0.3	3.06e-02	5.7	5.7	5.7	5.7	-32.0	-54.2	-52.5	15.5	-330.8	-320.1
606	ok	0.08	0.3	2.82e-02	5.7	5.7	5.7	5.7	-70.1	-35.3	-26.8	-207.2	-1245.0	-469.9
685	ok	0.08	0.5	3.87e-02	5.7	5.7	5.7	5.7	-99.0	-84.8	88.9	-592.1	-2675.7	251.5
686	ok	0.08	0.2	2.95e-02	5.7	5.7	5.7	5.7	-56.1	-84.0	54.5	-375.4	-1327.9	464.1

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
687	ok	0.08	0.3	2.69e-02	5.7	5.7	5.7	5.7	-29.9	-83.3	56.0	-176.7	-481.1	180.3
688	ok	0.08	0.4	2.53e-02	5.7	5.7	5.7	5.7	-9.8	-74.0	60.8	150.0	80.6	61.6
689	ok	0.08	0.5	2.45e-02	5.7	5.7	5.7	5.7	-12.8	-66.4	61.7	369.6	265.5	39.8
690	ok	0.08	0.5	2.48e-02	5.7	5.7	5.7	5.7	-19.4	-62.7	63.4	482.4	298.7	45.5
691	ok	0.08	0.6	2.60e-02	5.7	5.7	5.7	5.7	-27.5	-61.5	66.9	507.3	264.0	48.2
692	ok	0.08	0.6	2.76e-02	5.7	5.7	5.7	5.7	-36.7	-61.1	70.6	467.4	195.4	41.7
693	ok	0.08	0.6	2.89e-02	5.7	5.7	5.7	5.7	-45.9	-60.9	72.9	385.9	115.7	29.3
694	ok	0.08	0.5	3.00e-02	5.7	5.7	5.7	5.7	-58.3	-60.2	72.0	285.4	40.8	15.9
695	ok	0.08	0.5	3.05e-02	5.7	5.7	5.7	5.7	-60.1	-60.2	71.2	181.9	-21.8	-1.0
696	ok	0.08	0.5	3.05e-02	5.7	5.7	5.7	5.7	-61.6	-56.2	78.5	135.2	-49.5	-18.6
697	ok	0.08	0.5	3.01e-02	5.7	5.7	5.7	5.7	-65.9	-54.5	74.9	65.3	-79.9	-37.1
698	ok	0.08	0.5	2.94e-02	5.7	5.7	5.7	5.7	-69.8	-51.7	70.5	16.1	-99.2	-58.4
699	ok	0.08	0.5	2.84e-02	5.7	5.7	5.7	5.7	-73.6	-47.4	65.3	-10.5	-107.1	-81.1
700	ok	0.08	0.5	2.71e-02	5.7	5.7	5.7	5.7	-77.2	-41.6	58.9	-14.7	-100.7	-101.4
701	ok	0.08	0.4	2.54e-02	5.7	5.7	5.7	5.7	-84.8	-37.0	52.6	2.7	-72.5	-111.8
702	ok	0.08	0.4	2.29e-02	5.7	5.7	5.7	5.7	-82.9	-26.6	35.2	24.5	-11.9	-109.6
703	ok	0.08	0.3	2.29e-02	5.7	5.7	5.7	5.7	-25.2	-61.4	-56.0	-243.3	-238.0	-58.9
704	ok	0.08	0.2	2.47e-02	5.7	5.7	5.7	5.7	-36.6	-69.0	-47.5	-384.3	-862.4	-331.3
705	ok	0.08	0.4	2.98e-02	5.7	5.7	5.7	5.7	-64.3	-70.7	-40.4	-506.4	-2185.1	-342.8
784	ok	0.08	0.6	3.54e-02	5.7	5.7	5.7	5.7	-65.9	-82.9	59.0	-641.3	-2690.9	72.8
785	ok	0.08	0.2	2.68e-02	5.7	5.7	5.7	5.7	-40.7	-80.0	53.7	-534.4	-1520.2	259.8
786	ok	0.08	0.2	2.35e-02	5.7	5.7	5.7	5.7	-22.9	-75.2	51.0	-475.3	-690.8	247.7
787	ok	0.08	0.4	2.13e-02	5.7	5.7	5.7	5.7	-13.0	-64.9	54.8	-288.8	-98.3	202.2
788	ok	0.08	0.5	2.07e-02	5.7	5.7	5.7	5.7	-15.8	-54.7	53.5	-137.7	130.8	149.8
789	ok	0.08	0.6	2.14e-02	5.7	5.7	5.7	5.7	-23.8	-47.0	58.8	-50.1	165.7	99.8
790	ok	0.08	0.6	2.28e-02	5.7	5.7	5.7	5.7	-32.2	-42.2	64.2	-26.3	127.8	53.2
791	ok	0.08	0.7	2.45e-02	5.7	5.7	5.7	5.7	-37.0	-40.3	71.1	-14.5	73.4	4.9
792	ok	0.08	0.7	2.59e-02	5.7	5.7	5.7	5.7	-44.3	-38.4	79.9	-61.0	4.8	-26.4
793	ok	0.08	0.7	2.68e-02	5.7	5.7	5.7	5.7	-50.1	-36.6	81.4	-116.6	-54.8	-46.6
794	ok	0.08	0.6	2.69e-02	5.7	5.7	5.7	5.7	-54.5	-34.7	75.5	-169.7	-102.1	-58.0
795	ok	0.08	0.6	2.65e-02	5.7	5.7	5.7	5.7	-58.0	-33.5	77.2	-208.8	-132.2	-63.2
796	ok	0.08	0.6	2.57e-02	5.7	5.7	5.7	5.7	-61.0	-31.4	72.7	-231.3	-154.6	-66.3
797	ok	0.08	0.6	2.47e-02	5.7	5.7	5.7	5.7	-63.9	-28.5	67.2	-233.9	-166.7	-69.8
798	ok	0.08	0.6	2.35e-02	5.7	5.7	5.7	5.7	-66.7	-24.9	60.7	-214.3	-166.0	-74.2
799	ok	0.08	0.6	2.20e-02	5.7	5.7	5.7	5.7	-63.9	-19.3	52.9	-172.7	-147.3	-79.6
800	ok	0.08	0.5	2.01e-02	5.7	5.7	5.7	5.7	-58.1	-19.1	46.7	950.3	332.3	-58.1
801	ok	0.08	0.4	1.80e-02	5.7	5.7	5.7	5.7	-60.2	-16.4	40.0	822.2	402.5	-50.7
802	ok	0.08	0.3	1.89e-02	5.7	5.7	5.7	5.7	-20.2	-60.9	-43.1	-443.3	-353.5	-103.7
803	ok	0.08	0.2	2.26e-02	5.7	5.7	5.7	5.7	-29.5	-73.7	-39.0	-520.3	-1089.8	-152.6
804	ok	0.08	0.5	2.96e-02	5.7	5.7	5.7	5.7	-60.2	-80.6	-39.3	-595.3	-2466.1	-73.8
883	ok	0.08	0.5	2.88e-02	5.7	5.7	5.7	5.7	-40.3	-67.1	80.0	-543.8	-2039.0	-169.6
884	ok	0.08	0.2	2.06e-02	5.7	5.7	5.7	5.7	-20.9	-59.6	52.4	-539.7	-1207.5	28.2
885	ok	0.08	0.3	1.71e-02	5.7	5.7	5.7	5.7	-12.0	-52.0	40.4	-550.2	-632.5	184.6
886	ok	0.08	0.4	1.52e-02	5.7	5.7	5.7	5.7	-10.5	-40.6	38.1	-541.1	-178.6	241.0
887	ok	0.08	0.4	1.58e-02	5.7	5.7	5.7	5.7	-29.8	11.0	55.0	-500.7	-88.0	141.5
888	ok	0.08	0.4	1.79e-02	5.7	5.7	5.7	5.7	-25.8	-43.7	39.0	457.4	364.9	185.2
889	ok	0.08	0.5	2.02e-02	5.7	5.7	5.7	5.7	-33.0	-40.2	49.2	502.2	294.6	79.3
890	ok	0.08	0.5	2.21e-02	5.7	5.7	5.7	5.7	-41.0	23.2	62.6	-752.7	-181.1	-20.0
891	ok	0.08	0.5	2.33e-02	5.7	5.7	5.7	5.7	-43.8	26.0	58.6	-806.6	-213.3	-48.8
892	ok	0.08	0.5	2.38e-02	5.7	5.7	5.7	5.7	-45.7	28.2	61.7	-841.4	-239.1	-63.1
893	ok	0.08	0.5	2.36e-02	5.7	5.7	5.7	5.7	-47.1	29.4	53.3	-856.8	-257.4	-65.2
894	ok	0.08	0.5	2.29e-02	5.7	5.7	5.7	5.7	-48.0	30.0	48.0	-851.6	-267.1	-58.9
895	ok	0.08	0.5	2.19e-02	5.7	5.7	5.7	5.7	-49.1	30.2	45.1	-827.6	-274.1	-47.6
896	ok	0.08	0.5	2.07e-02	5.7	5.7	5.7	5.7	-50.5	30.0	37.1	-781.4	-274.8	-35.6
897	ok	0.08	0.5	1.96e-02	5.7	5.7	5.7	5.7	-51.7	29.3	24.0	-710.2	-264.3	-25.6
898	ok	0.08	0.5	1.83e-02	5.7	5.7	5.7	5.7	-72.1	16.4	27.3	-907.7	-355.4	5.2
899	ok	0.08	0.4	1.68e-02	5.7	5.7	5.7	5.7	-68.6	16.4	14.6	-727.2	-281.0	4.1
900	ok	0.08	0.4	1.48e-02	5.7	5.7	5.7	5.7	-47.3	-8.7	36.4	482.9	289.5	-174.1
901	ok	0.08	0.3	1.27e-02	5.7	5.7	5.7	5.7	-40.9	-18.3	20.9	1615.2	997.1	-724.7
902	ok	0.08	0.2	1.69e-02	5.7	5.7	5.7	5.7	-11.0	-59.1	-34.4	-472.8	-922.0	92.3
903	ok	0.08	0.4	2.55e-02	5.7	5.7	5.7	5.7	-50.6	-69.2	-58.6	-509.4	-2038.0	228.6
982	ok	0.08	0.3	1.80e-02	5.7	5.7	5.7	5.7	-8.9	-29.4	64.0	-316.5	-924.9	-294.2
983	ok	0.08	0.3	1.10e-02	5.7	5.7	5.7	5.7	6.4	-23.8	38.9	-359.8	-614.0	-336.3
984	ok	0.08	0.3	1.04e-02	5.7	5.7	5.7	5.7	-11.2	21.2	43.5	-492.8	-212.9	-11.6
985	ok	0.08	0.2	1.26e-02	5.7	5.7	5.7	5.7	-32.8	39.6	33.7	-813.6	-222.6	-1.8
986	ok	0.08	0.2	1.44e-02	5.7	5.7	5.7	5.7	-37.6	46.5	38.6	-1085.1	-280.1	-34.8
987	ok	0.08	0.3	1.61e-02	5.7	5.7	5.7	5.7	-33.1	48.0	48.9	-1269.4	-303.3	-73.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
988	ok	0.08	0.3	1.86e-02	5.7	5.7	5.7	5.7	-36.0	52.8	52.6	-1426.6	-337.3	-92.1
989	ok	0.08	0.3	2.03e-02	5.7	5.7	5.7	5.7	-37.9	57.5	55.0	-1530.7	-363.1	-99.1
990	ok	0.08	0.3	2.11e-02	5.7	5.7	5.7	5.7	-38.9	62.1	56.0	-1584.5	-379.2	-95.0
991	ok	0.08	0.3	2.13e-02	5.7	5.7	5.7	5.7	-39.0	66.0	55.4	-1597.8	-385.5	-81.0
992	ok	0.08	0.3	2.08e-02	5.7	5.7	5.7	5.7	-38.0	68.2	52.6	-1580.4	-384.2	-57.7
993	ok	0.08	0.3	1.99e-02	5.7	5.7	5.7	5.7	-41.4	68.7	51.8	-1539.1	-382.7	-32.5
994	ok	0.08	0.3	1.89e-02	5.7	5.7	5.7	5.7	-36.3	69.1	45.4	-1491.8	-375.1	8.7
995	ok	0.08	0.3	1.78e-02	5.7	5.7	5.7	5.7	-36.8	67.3	38.5	-1420.1	-368.3	48.1
996	ok	0.08	0.3	1.68e-02	5.7	5.7	5.7	5.7	-37.3	63.8	30.7	-1321.4	-353.2	92.1
997	ok	0.08	0.3	1.56e-02	5.7	5.7	5.7	5.7	-37.3	58.9	22.2	-1186.4	-323.9	138.0
998	ok	0.08	0.2	1.43e-02	5.7	5.7	5.7	5.7	-36.2	54.1	13.9	-1006.6	-279.1	183.5
999	ok	0.08	0.2	1.23e-02	5.7	5.7	5.7	5.7	-45.2	26.0	16.3	-1106.4	-311.9	222.2
1000	ok	0.08	0.3	9.90e-03	5.7	5.7	5.7	5.7	-33.3	-18.0	19.1	359.6	507.7	-1080.9
1001	ok	0.08	0.3	9.10e-03	5.7	5.7	5.7	5.7	-33.3	-15.4	15.9	191.6	156.9	-1285.8
1002	ok	0.08	0.3	1.71e-02	5.7	5.7	5.7	5.7	-26.8	-46.7	-19.4	-308.6	-1385.8	249.9
1081	ok	0.08	6.28e-02	3.64e-03	5.7	5.7	5.7	5.7	7.5	33.0	28.0	62.6	-51.1	-102.9
1082	ok	0.08	0.2	5.50e-03	5.7	5.7	5.7	5.7	13.5	62.4	24.4	180.8	-189.0	-167.6
1083	ok	0.08	0.3	8.53e-03	5.7	5.7	5.7	5.7	-12.3	60.9	32.8	-704.7	-242.3	-196.6
1084	ok	0.08	0.5	1.22e-02	5.7	5.7	5.7	5.7	-24.9	69.0	39.1	-1271.4	-333.2	-196.2
1085	ok	0.08	0.6	1.49e-02	5.7	5.7	5.7	5.7	-33.1	72.7	44.9	-1754.2	-414.4	-173.7
1086	ok	0.08	0.7	1.73e-02	5.7	5.7	5.7	5.7	-37.2	77.6	49.1	-2098.4	-474.8	-147.1
1087	ok	0.08	0.7	1.90e-02	5.7	5.7	5.7	5.7	-39.0	83.7	52.5	-2313.9	-513.0	-119.5
1088	ok	0.08	0.7	1.97e-02	5.7	5.7	5.7	5.7	-39.7	90.6	54.7	-2432.8	-534.2	-92.8
1089	ok	0.08	0.7	1.98e-02	5.7	5.7	5.7	5.7	-39.6	97.5	56.0	-2471.3	-540.3	-65.1
1090	ok	0.08	0.7	1.94e-02	5.7	5.7	5.7	5.7	-38.7	104.0	56.3	-2442.9	-533.0	-37.1
1091	ok	0.08	0.7	1.82e-02	5.7	5.7	5.7	5.7	-35.5	109.6	54.4	-2368.4	-516.2	-12.0
1092	ok	0.08	0.7	1.69e-02	5.7	5.7	5.7	5.7	-31.1	112.7	45.8	-2292.3	-499.8	19.1
1093	ok	0.08	0.7	1.60e-02	5.7	5.7	5.7	5.7	-30.5	112.3	42.5	-2217.4	-484.6	40.3
1094	ok	0.08	0.7	1.53e-02	5.7	5.7	5.7	5.7	-30.2	108.5	38.4	-2140.9	-469.3	70.4
1095	ok	0.08	0.7	1.46e-02	5.7	5.7	5.7	5.7	-29.7	101.3	33.5	-2038.1	-447.6	110.1
1096	ok	0.08	0.6	1.38e-02	5.7	5.7	5.7	5.7	-28.7	90.6	27.6	-1886.6	-413.1	157.3
1097	ok	0.08	0.6	1.26e-02	5.7	5.7	5.7	5.7	-26.7	76.9	20.2	-1668.2	-362.9	209.6
1098	ok	0.08	0.5	1.02e-02	5.7	5.7	5.7	5.7	-20.9	68.1	16.0	-1374.6	-338.2	272.8
1099	ok	0.08	0.4	9.46e-03	5.7	5.7	5.7	5.7	-7.1	68.9	8.7	-914.0	-307.6	272.4
1100	ok	0.08	0.2	8.26e-03	5.7	5.7	5.7	5.7	22.1	64.3	5.7	464.0	-110.3	115.9
1101	ok	0.08	6.64e-02	3.88e-03	5.7	5.7	5.7	5.7	-2.9	35.0	-19.6	165.3	-53.0	112.1
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-273.13	-135.71	-58.62	-2471.28	-2690.88	-1285.79
		0.08	0.72	0.06	5.65	5.65	5.65	5.65	22.14	112.74	96.08	1656.01	997.10	464.06

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
90	ok	1.61						
91	ok	1.61						
92	ok	1.42						
93	ok	2.00						
94	ok	2.28						
95	ok	2.43						
96	ok	2.53						
97	ok	2.62						
98	ok	2.70						
99	ok	2.75						
100	ok	2.82						
101	ok	2.84						
102	ok	2.85						
103	ok	2.85						
104	ok	2.83						
105	ok	2.78						
106	ok	2.70						
107	ok	2.50						
108	ok	2.11						
109	ok	1.32						
110	ok	1.01						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
586	ok	2.29						
587	ok	2.29						
588	ok	1.42						
589	ok	2.00						
590	ok	2.28						
591	ok	2.43						
592	ok	2.53						
593	ok	2.62						
594	ok	2.70						
595	ok	2.75						
596	ok	2.82						
597	ok	2.84						
598	ok	2.85						
599	ok	2.85						
600	ok	2.83						
601	ok	2.78						
602	ok	2.70						
603	ok	2.50						
604	ok	2.11						
605	ok	1.59						
606	ok	1.59						
685	ok	2.62						
686	ok	2.62						
687	ok	1.76						
688	ok	1.07						
689	ok	1.25						
690	ok	1.37						
691	ok	1.45						
692	ok	1.52						
693	ok	1.58						
694	ok	1.63						
695	ok	1.67						
696	ok	1.69						
697	ok	1.70						
698	ok	1.70						
699	ok	1.68						
700	ok	1.64						
701	ok	1.56						
702	ok	1.40						
703	ok	1.24						
704	ok	2.19						
705	ok	2.19						
784	ok	2.62						
785	ok	2.62						
786	ok	1.76						
787	ok	1.05						
788	ok	0.73						
789	ok	0.73						
790	ok	0.74						
791	ok	0.74						
792	ok	0.74						
793	ok	0.71						
794	ok	0.68						
795	ok	0.65						
796	ok	0.63						
797	ok	0.61						
798	ok	0.59						
799	ok	0.57						
800	ok	0.54						
801	ok	0.71						
802	ok	1.24						
803	ok	2.19						
804	ok	2.19						
883	ok	2.41						
884	ok	2.41						
885	ok	1.61						
886	ok	1.38						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
887	ok	1.62						
888	ok	1.75						
889	ok	1.81						
890	ok	1.82						
891	ok	1.82						
892	ok	1.80						
893	ok	1.77						
894	ok	1.75						
895	ok	1.72						
896	ok	1.70						
897	ok	1.67						
898	ok	1.63						
899	ok	1.54						
900	ok	1.38						
901	ok	1.24						
902	ok	2.15						
903	ok	2.15						
982	ok	1.63						
983	ok	1.63						
984	ok	1.74						
985	ok	2.33						
986	ok	2.65						
987	ok	2.79						
988	ok	2.84						
989	ok	2.85						
990	ok	2.85						
991	ok	2.83						
992	ok	2.78						
993	ok	2.77						
994	ok	2.74						
995	ok	2.72						
996	ok	2.71						
997	ok	2.67						
998	ok	2.58						
999	ok	2.40						
1000	ok	2.00						
1001	ok	1.53						
1002	ok	1.53						
1081	ok	0.63						
1082	ok	0.96						
1083	ok	1.74						
1084	ok	2.33						
1085	ok	2.65						
1086	ok	2.79						
1087	ok	2.84						
1088	ok	2.85						
1089	ok	2.85						
1090	ok	2.83						
1091	ok	2.78						
1092	ok	2.77						
1093	ok	2.74						
1094	ok	2.72						
1095	ok	2.71						
1096	ok	2.67						
1097	ok	2.58						
1098	ok	2.40						
1099	ok	2.00						
1100	ok	1.10						
1101	ok	0.67						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.85						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
8	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
90	ok	0.08	0.1	6.81e-02	5.7	5.7	5.7	5.7	-278.3	-50.4	103.5	1239.5	-2.1	-51.0
113	ok	0.08	0.3	3.15e-02	5.7	5.7	5.7	5.7	-32.4	1.3	-12.8	569.3	98.0	213.8
136	ok	0.08	0.3	2.99e-02	5.7	5.7	5.7	5.7	-87.0	-4.0	84.6	150.5	-8.7	147.7
159	ok	0.08	0.3	2.71e-02	5.7	5.7	5.7	5.7	-61.7	23.4	94.8	-439.4	-133.5	280.0
182	ok	0.08	0.4	2.12e-02	5.7	5.7	5.7	5.7	-26.3	55.7	63.0	-361.2	-121.4	194.6
212	ok	0.08	0.4	1.59e-02	5.7	5.7	5.7	5.7	-9.2	67.6	61.0	-265.4	-69.2	51.3
228	ok	0.08	0.3	1.33e-02	5.7	5.7	5.7	5.7	-20.6	65.1	70.8	462.1	67.8	16.2
248	ok	0.08	0.3	1.31e-02	5.7	5.7	5.7	5.7	-13.9	88.2	47.8	494.1	98.6	-19.4
268	ok	0.08	0.2	1.58e-02	5.7	5.7	5.7	5.7	-10.0	99.1	66.4	635.2	164.6	-45.7
288	ok	0.08	0.2	1.81e-02	5.7	5.7	5.7	5.7	6.2	114.2	66.1	867.1	315.9	-137.4
311	ok	0.08	0.2	2.02e-02	5.7	5.7	5.7	5.7	-17.7	173.0	29.5	739.1	-283.9	-137.1
334	ok	0.08	0.2	3.43e-02	5.7	5.7	5.7	5.7	-38.4	109.6	-80.8	265.6	108.5	-134.5
357	ok	0.08	0.5	4.21e-02	5.7	5.7	5.7	5.7	-69.7	-84.2	-73.5	-1544.6	-266.7	-58.3
380	ok	0.08	0.6	4.68e-02	5.7	5.7	5.7	5.7	-93.2	-99.3	-71.2	-2309.9	-415.6	-64.0
403	ok	0.08	0.7	4.92e-02	5.7	5.7	5.7	5.7	-108.4	-106.3	-67.2	-2795.7	-523.0	-53.0
426	ok	0.08	0.8	5.03e-02	5.7	5.7	5.7	5.7	-119.3	-106.2	-61.7	-2996.0	-575.5	-29.7
449	ok	0.08	0.7	4.98e-02	5.7	5.7	5.7	5.7	-126.6	-99.4	-53.8	-2903.8	-568.2	-1.6
472	ok	0.08	0.6	4.70e-02	5.7	5.7	5.7	5.7	-133.4	-109.0	-97.6	-2483.8	-495.7	23.9
495	ok	0.08	0.5	4.26e-02	5.7	5.7	5.7	5.7	-119.1	-88.9	-86.6	-1705.3	-354.7	32.2
518	ok	0.08	0.3	3.60e-02	5.7	5.7	5.7	5.7	-54.1	-27.2	20.1	-715.3	-175.4	-24.6
541	ok	0.08	0.1	5.11e-02	5.7	5.7	5.7	5.7	-182.7	-63.8	-99.3	885.7	30.6	140.5
586	ok	0.08	0.4	3.64e-02	5.7	5.7	5.7	5.7	-151.7	-38.1	25.8	-359.3	-808.6	115.9
607	ok	0.08	0.3	4.39e-02	5.7	5.7	5.7	5.7	-86.6	-25.9	97.3	146.7	-118.3	507.1
609	ok	0.08	0.4	3.30e-02	5.7	5.7	5.7	5.7	-59.2	-8.3	92.9	365.5	173.5	485.2
611	ok	0.08	0.4	3.00e-02	5.7	5.7	5.7	5.7	-48.7	8.0	85.4	576.6	243.9	428.8
613	ok	0.08	0.3	2.66e-02	5.7	5.7	5.7	5.7	-38.2	7.4	106.6	682.7	300.7	257.1
615	ok	0.08	0.3	2.25e-02	5.7	5.7	5.7	5.7	-28.2	15.6	95.6	744.6	351.1	71.9
617	ok	0.08	0.3	1.88e-02	5.7	5.7	5.7	5.7	-25.3	29.8	85.9	762.3	387.1	-106.4
619	ok	0.08	0.3	1.67e-02	5.7	5.7	5.7	5.7	-15.9	41.6	73.9	691.2	419.9	-233.4
621	ok	0.08	0.4	1.87e-02	5.7	5.7	5.7	5.7	-9.2	48.8	69.2	585.2	366.6	-341.0
623	ok	0.08	0.3	2.12e-02	5.7	5.7	5.7	5.7	-5.4	56.7	56.6	332.2	180.3	-474.0
625	ok	0.08	0.6	3.56e-02	5.7	5.7	5.7	5.7	-18.0	43.8	60.0	-309.1	-1180.4	-25.2
637	ok	0.08	0.3	3.86e-02	5.7	5.7	5.7	5.7	-53.8	-70.3	-118.1	115.0	-51.6	330.6
640	ok	0.08	0.3	4.15e-02	5.7	5.7	5.7	5.7	-69.1	-67.3	-96.3	115.0	155.2	346.0
643	ok	0.08	0.3	4.28e-02	5.7	5.7	5.7	5.7	-84.8	-74.3	-99.7	-47.7	151.7	242.2
646	ok	0.08	0.2	4.30e-02	5.7	5.7	5.7	5.7	-98.6	-75.4	-90.8	-150.9	109.7	120.1
649	ok	0.08	0.1	4.20e-02	5.7	5.7	5.7	5.7	-108.6	-76.8	-82.7	-205.8	78.7	-19.5
652	ok	0.08	0.2	3.96e-02	5.7	5.7	5.7	5.7	-112.1	-71.4	-70.5	-197.2	75.7	-146.6
655	ok	0.08	0.3	3.68e-02	5.7	5.7	5.7	5.7	-108.1	-63.4	-56.2	-132.3	93.6	-277.3
658	ok	0.08	0.3	3.28e-02	5.7	5.7	5.7	5.7	-91.9	-50.8	-37.6	-50.1	99.2	-381.5
661	ok	0.08	0.3	3.49e-02	5.7	5.7	5.7	5.7	-75.2	-45.4	-35.0	-68.8	-146.4	-379.3
664	ok	0.08	0.4	2.55e-02	5.7	5.7	5.7	5.7	-64.5	-11.5	-38.5	-121.4	-472.7	-140.8
685	ok	0.08	0.5	2.89e-02	5.7	5.7	5.7	5.7	-94.8	-88.0	30.5	-726.0	-3612.4	-180.4
706	ok	0.08	0.2	3.25e-02	5.7	5.7	5.7	5.7	-44.7	-86.8	25.9	-234.1	-1411.1	-78.4
708	ok	0.08	0.4	3.25e-02	5.7	5.7	5.7	5.7	-60.6	-16.0	111.2	549.0	328.9	258.2
710	ok	0.08	0.4	3.04e-02	5.7	5.7	5.7	5.7	-48.4	-13.1	109.9	828.9	510.4	190.6
712	ok	0.08	0.5	2.80e-02	5.7	5.7	5.7	5.7	-39.3	-9.9	105.4	1000.2	587.8	107.5
714	ok	0.08	0.5	2.54e-02	5.7	5.7	5.7	5.7	-27.1	-4.3	97.3	1063.8	627.4	23.3
716	ok	0.08	0.4	2.28e-02	5.7	5.7	5.7	5.7	19.0	-60.0	-31.2	1188.5	928.9	43.7
718	ok	0.08	0.4	2.04e-02	5.7	5.7	5.7	5.7	8.3	-55.4	-40.1	1042.0	752.5	-17.9
720	ok	0.08	0.3	1.92e-02	5.7	5.7	5.7	5.7	-8.0	-53.7	-54.4	750.7	430.0	-83.6
722	ok	0.08	0.1	2.14e-02	5.7	5.7	5.7	5.7	-21.2	-49.7	-59.1	335.4	-216.7	-83.7
724	ok	0.08	0.9	3.67e-02	5.7	5.7	5.7	5.7	-41.2	-43.1	-69.6	-264.0	-1925.5	17.6
736	ok	0.08	0.3	3.69e-02	5.7	5.7	5.7	5.7	-43.4	-66.7	-111.0	204.1	-229.2	193.3
739	ok	0.08	0.3	3.72e-02	5.7	5.7	5.7	5.7	-60.3	-64.2	-104.1	546.1	321.7	259.7
742	ok	0.08	0.4	3.68e-02	5.7	5.7	5.7	5.7	-74.1	-60.5	-96.7	773.3	474.8	209.2
745	ok	0.08	0.4	3.54e-02	5.7	5.7	5.7	5.7	-85.2	-56.5	-85.9	887.9	496.4	115.7
748	ok	0.08	0.5	3.33e-02	5.7	5.7	5.7	5.7	-91.9	-52.2	-72.9	914.5	485.0	5.7

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
751	ok	0.08	0.5	3.05e-02	5.7	5.7	5.7	5.7	-93.8	-50.1	-65.4	864.9	476.1	-116.0
754	ok	0.08	0.5	2.77e-02	5.7	5.7	5.7	5.7	-88.9	-46.4	-50.4	724.7	441.0	-218.1
757	ok	0.08	0.4	2.46e-02	5.7	5.7	5.7	5.7	-67.1	-44.3	-40.4	864.3	562.6	-447.1
760	ok	0.08	0.2	2.44e-02	5.7	5.7	5.7	5.7	-43.2	-97.8	25.8	-283.1	-1359.8	-49.0
763	ok	0.08	0.6	2.97e-02	5.7	5.7	5.7	5.7	-86.0	-112.8	-8.6	-839.4	-4346.9	172.2
784	ok	0.08	0.5	2.44e-02	5.7	5.7	5.7	5.7	-70.8	-91.4	30.9	-794.7	-3778.1	-27.3
805	ok	0.08	0.2	2.88e-02	5.7	5.7	5.7	5.7	-38.2	-90.8	36.5	-383.1	-1621.8	-143.6
807	ok	0.08	0.3	3.04e-02	5.7	5.7	5.7	5.7	-45.7	-15.6	106.4	543.1	365.4	-48.8
809	ok	0.08	0.4	3.04e-02	5.7	5.7	5.7	5.7	-41.6	-20.3	106.8	785.4	548.6	-42.7
811	ok	0.08	0.4	2.95e-02	5.7	5.7	5.7	5.7	-36.7	-24.8	103.3	935.2	619.6	-21.6
813	ok	0.08	0.5	2.80e-02	5.7	5.7	5.7	5.7	-31.9	-28.6	97.4	990.4	640.1	8.8
815	ok	0.08	0.5	2.63e-02	5.7	5.7	5.7	5.7	-27.4	-31.8	86.4	946.6	627.1	51.1
817	ok	0.08	0.4	2.45e-02	5.7	5.7	5.7	5.7	-23.3	-34.5	78.7	798.4	560.2	101.7
819	ok	0.08	0.3	2.26e-02	5.7	5.7	5.7	5.7	-20.0	-36.6	70.4	549.3	361.3	154.8
821	ok	0.08	0.1	2.08e-02	5.7	5.7	5.7	5.7	-24.8	-54.0	-52.9	240.1	-224.6	187.5
823	ok	0.08	0.9	3.59e-02	5.7	5.7	5.7	5.7	-38.5	-73.3	-98.6	-490.4	-2976.1	-9.6
835	ok	0.08	0.2	3.46e-02	5.7	5.7	5.7	5.7	-37.7	-68.9	-96.1	222.2	-647.6	-71.3
838	ok	0.08	0.3	3.36e-02	5.7	5.7	5.7	5.7	-43.9	-59.3	-98.6	512.3	285.8	-39.2
841	ok	0.08	0.4	3.22e-02	5.7	5.7	5.7	5.7	-53.2	-52.6	-90.9	792.0	520.7	-6.1
844	ok	0.08	0.5	3.03e-02	5.7	5.7	5.7	5.7	-65.8	-46.6	-80.5	958.2	593.8	13.3
847	ok	0.08	0.6	2.78e-02	5.7	5.7	5.7	5.7	-61.6	-45.5	-71.5	1827.2	1161.4	10.9
850	ok	0.08	0.5	2.56e-02	5.7	5.7	5.7	5.7	-61.4	-42.0	-61.0	1741.7	1140.5	6.8
853	ok	0.08	0.5	2.30e-02	5.7	5.7	5.7	5.7	-57.4	-40.3	-50.6	1452.5	1005.2	10.2
856	ok	0.08	0.3	2.12e-02	5.7	5.7	5.7	5.7	-50.7	-40.2	-41.2	963.6	607.3	28.4
859	ok	0.08	0.2	2.46e-02	5.7	5.7	5.7	5.7	-42.8	-107.9	11.8	-458.4	-1685.9	73.3
862	ok	0.08	0.7	2.90e-02	5.7	5.7	5.7	5.7	-84.9	-122.0	-10.6	-980.5	-4921.6	38.6
883	ok	0.08	0.4	1.98e-02	5.7	5.7	5.7	5.7	-47.9	-74.9	4.9	-644.9	-3020.4	154.3
904	ok	0.08	0.2	2.45e-02	5.7	5.7	5.7	5.7	-22.9	-76.9	37.7	-335.3	-1315.5	-123.6
906	ok	0.08	0.3	2.74e-02	5.7	5.7	5.7	5.7	-37.6	-20.5	95.2	364.3	306.6	-247.4
908	ok	0.08	0.3	2.89e-02	5.7	5.7	5.7	5.7	-39.1	-33.0	95.6	476.5	404.4	-187.4
910	ok	0.08	0.3	2.94e-02	5.7	5.7	5.7	5.7	-37.9	-44.5	93.2	533.4	429.7	-95.0
912	ok	0.08	0.3	2.93e-02	5.7	5.7	5.7	5.7	-35.2	-54.5	88.7	541.7	426.3	11.0
914	ok	0.08	0.4	2.89e-02	5.7	5.7	5.7	5.7	-31.6	-63.6	79.2	503.3	404.2	131.5
916	ok	0.08	0.4	2.82e-02	5.7	5.7	5.7	5.7	-27.7	-71.4	72.9	421.4	351.2	248.6
918	ok	0.08	0.3	2.74e-02	5.7	5.7	5.7	5.7	-24.9	-77.1	67.0	294.2	212.8	346.1
920	ok	0.08	0.2	2.65e-02	5.7	5.7	5.7	5.7	-22.8	-78.9	64.3	119.2	-107.8	361.7
922	ok	0.08	0.7	3.37e-02	5.7	5.7	5.7	5.7	-33.3	-77.2	-98.7	-417.8	-2362.5	-39.3
934	ok	0.08	0.2	3.18e-02	5.7	5.7	5.7	5.7	-29.0	-70.8	-91.6	121.8	-608.8	-411.5
937	ok	0.08	0.3	3.01e-02	5.7	5.7	5.7	5.7	-32.2	-63.3	-82.9	592.2	307.6	-454.0
940	ok	0.08	0.4	2.82e-02	5.7	5.7	5.7	5.7	-43.6	-46.5	-78.1	537.4	457.1	-256.1
943	ok	0.08	0.5	2.62e-02	5.7	5.7	5.7	5.7	-42.7	-46.8	-72.9	1199.3	867.6	-176.6
946	ok	0.08	0.5	2.42e-02	5.7	5.7	5.7	5.7	-45.5	-40.4	-61.6	1292.3	919.1	-9.3
949	ok	0.08	0.4	2.20e-02	5.7	5.7	5.7	5.7	-44.9	-35.9	-57.4	1241.0	903.6	167.7
952	ok	0.08	0.4	1.92e-02	5.7	5.7	5.7	5.7	-40.5	-43.7	-43.6	2402.1	1810.7	651.5
955	ok	0.08	0.3	2.03e-02	5.7	5.7	5.7	5.7	-38.7	-42.6	-35.8	1670.8	1152.5	874.6
958	ok	0.08	0.2	2.20e-02	5.7	5.7	5.7	5.7	-27.3	-90.7	-2.0	-442.9	-1476.8	125.0
961	ok	0.08	0.6	2.36e-02	5.7	5.7	5.7	5.7	-68.5	-99.1	18.2	-834.2	-4137.0	-134.0
982	ok	0.08	0.2	1.14e-02	5.7	5.7	5.7	5.7	-18.5	-35.4	9.89e-02	-310.9	-1546.2	237.4
1003	ok	0.08	0.2	1.86e-02	5.7	5.7	5.7	5.7	-27.7	-18.9	57.1	147.8	62.6	-1337.0
1005	ok	0.08	0.2	2.30e-02	5.7	5.7	5.7	5.7	-35.5	-42.9	59.5	276.1	447.9	-1120.3
1007	ok	0.08	0.2	2.63e-02	5.7	5.7	5.7	5.7	-39.0	-55.8	75.1	-243.4	119.5	-167.0
1009	ok	0.08	0.2	2.86e-02	5.7	5.7	5.7	5.7	-40.9	-73.0	71.4	-358.1	83.4	-66.9
1011	ok	0.08	0.2	3.02e-02	5.7	5.7	5.7	5.7	-40.6	-88.1	73.3	-429.9	58.1	39.3
1013	ok	0.08	0.2	3.14e-02	5.7	5.7	5.7	5.7	-38.3	-101.7	69.7	-451.2	38.3	149.4
1015	ok	0.08	0.2	3.22e-02	5.7	5.7	5.7	5.7	-34.2	-113.4	61.3	-409.6	22.2	253.2
1017	ok	0.08	0.2	3.31e-02	5.7	5.7	5.7	5.7	-29.9	-124.0	61.9	-321.6	-18.9	337.0
1019	ok	0.08	0.2	3.55e-02	5.7	5.7	5.7	5.7	-29.9	-130.8	56.7	-199.9	-127.3	389.2
1021	ok	0.08	0.4	3.42e-02	5.7	5.7	5.7	5.7	-6.2	-97.5	-83.0	-207.2	-442.4	-96.2
1033	ok	0.08	0.2	3.24e-02	5.7	5.7	5.7	5.7	-23.3	-73.3	-76.5	-116.9	-382.6	-555.6
1036	ok	0.08	0.3	2.81e-02	5.7	5.7	5.7	5.7	-24.4	-62.5	-70.4	-29.8	76.8	-606.6
1039	ok	0.08	0.3	2.50e-02	5.7	5.7	5.7	5.7	-34.7	-55.8	-60.7	-283.3	104.7	-312.2
1042	ok	0.08	0.2	2.26e-02	5.7	5.7	5.7	5.7	-31.6	-61.5	-49.1	528.6	583.0	-500.0
1045	ok	0.08	0.2	2.05e-02	5.7	5.7	5.7	5.7	-34.0	-51.5	-44.0	565.3	616.0	-113.3
1048	ok	0.08	0.2	1.86e-02	5.7	5.7	5.7	5.7	-34.4	-45.4	-43.7	777.4	854.7	495.5
1051	ok	0.08	0.3	1.69e-02	5.7	5.7	5.7	5.7	-30.4	-43.6	-39.4	749.1	828.5	1076.4
1054	ok	0.08	0.3	1.53e-02	5.7	5.7	5.7	5.7	-21.1	-44.0	-34.6	538.8	562.5	1534.9
1057	ok	0.08	0.3	1.51e-02	5.7	5.7	5.7	5.7	-18.1	-46.4	-25.2	194.5	-246.5	1620.7

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1060	ok	0.08	0.4	1.43e-02	5.7	5.7	5.7	5.7	-40.3	-52.3	16.8	-417.5	-2283.7	-206.9
1081	ok	0.08	4.43e-02	4.23e-03	5.7	5.7	5.7	5.7	0.5	-12.9	11.8	-143.1	-78.5	-121.1
1121	ok	0.08	0.2	1.34e-02	5.7	5.7	5.7	5.7	-17.6	-48.0	19.3	-1054.1	-107.3	-389.5
1123	ok	0.08	0.4	1.99e-02	5.7	5.7	5.7	5.7	-30.3	-72.7	26.2	-2141.9	-291.7	-349.3
1143	ok	0.08	0.5	2.53e-02	5.7	5.7	5.7	5.7	-39.4	-95.3	35.5	-3010.1	-462.7	-230.7
1163	ok	0.08	0.6	2.96e-02	5.7	5.7	5.7	5.7	-35.4	-112.2	46.2	-1949.6	-334.1	78.4
1183	ok	0.08	0.6	3.32e-02	5.7	5.7	5.7	5.7	-37.4	-131.3	47.5	-2129.5	-374.5	70.5
1203	ok	0.08	0.6	3.62e-02	5.7	5.7	5.7	5.7	-36.9	-147.7	48.1	-2117.2	-380.9	58.7
1231	ok	0.08	0.5	3.81e-02	5.7	5.7	5.7	5.7	-34.6	-159.3	45.9	-1911.3	-361.1	47.5
1253	ok	0.08	0.4	3.96e-02	5.7	5.7	5.7	5.7	-29.2	-171.3	46.3	-1503.8	-303.4	31.6
1271	ok	0.08	0.2	4.28e-02	5.7	5.7	5.7	5.7	-20.7	-183.6	33.9	-937.1	-285.4	27.0
1293	ok	0.08	6.46e-02	5.69e-02	5.7	5.7	5.7	5.7	-14.3	-230.7	-37.9	-281.6	299.1	-15.7
1314	ok	0.08	0.2	3.87e-02	5.7	5.7	5.7	5.7	-13.2	-180.7	3.7	-517.2	-110.9	-110.3
1335	ok	0.08	0.3	3.06e-02	5.7	5.7	5.7	5.7	-17.4	-102.7	-38.6	-676.2	-153.3	134.8
1356	ok	0.08	0.4	2.52e-02	5.7	5.7	5.7	5.7	-26.3	-109.2	-19.6	-2350.7	-392.8	-366.5
1377	ok	0.08	0.5	2.15e-02	5.7	5.7	5.7	5.7	-30.3	-79.7	-35.1	-2879.1	-479.3	-210.7
1398	ok	0.08	0.5	1.89e-02	5.7	5.7	5.7	5.7	-32.0	-67.7	-33.9	-3084.7	-516.6	-52.1
1419	ok	0.08	0.5	1.66e-02	5.7	5.7	5.7	5.7	-32.6	-48.0	-31.7	-3405.6	-549.5	177.3
1440	ok	0.08	0.5	1.43e-02	5.7	5.7	5.7	5.7	-27.9	-34.5	-28.0	-2835.4	-438.7	403.9
1479	ok	0.08	0.3	1.37e-02	5.7	5.7	5.7	5.7	-20.8	-34.6	-24.3	-1791.1	-171.4	614.1
1482	ok	0.08	0.2	9.58e-03	5.7	5.7	5.7	5.7	-7.6	-4.4	-7.1	-576.7	-137.9	682.4
1503	ok	0.08	6.79e-02	5.30e-03	5.7	5.7	5.7	5.7	-18.9	40.6	10.5	192.2	-243.5	-25.6
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-278.32	-230.68	-118.07	-3405.61	-4921.57	-1336.99
		0.08	0.92	0.07	5.65	5.65	5.65	5.65	18.96	173.03	111.24	2402.13	1810.74	1620.70

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
90	ok	1.63						
113	ok	1.63						
136	ok	1.66						
159	ok	2.03						
182	ok	2.12						
212	ok	2.12						
228	ok	2.04						
248	ok	1.86						
268	ok	1.42						
288	ok	1.37						
311	ok	1.37						
334	ok	1.23						
357	ok	2.57						
380	ok	3.34						
403	ok	3.70						
426	ok	3.76						
449	ok	3.76						
472	ok	3.51						
495	ok	2.87						
518	ok	1.67						
541	ok	0.96						
586	ok	2.16						
607	ok	2.16						
609	ok	1.66						
611	ok	2.03						
613	ok	2.12						
615	ok	2.12						
617	ok	2.04						
619	ok	1.86						
621	ok	1.42						
623	ok	2.26						
625	ok	2.74						
637	ok	2.74						
640	ok	2.57						
643	ok	3.34						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
646	ok	3.70						
649	ok	3.76						
652	ok	3.76						
655	ok	3.51						
658	ok	2.87						
661	ok	2.41						
664	ok	2.41						
685	ok	2.52						
706	ok	2.52						
708	ok	1.64						
710	ok	1.03						
712	ok	1.07						
714	ok	1.07						
716	ok	1.04						
718	ok	0.93						
720	ok	1.56						
722	ok	2.67						
724	ok	3.59						
736	ok	3.59						
739	ok	2.19						
742	ok	1.65						
745	ok	1.88						
748	ok	1.92						
751	ok	1.92						
754	ok	1.75						
757	ok	1.96						
760	ok	3.21						
763	ok	3.21						
784	ok	2.52						
805	ok	2.52						
807	ok	1.64						
809	ok	1.00						
811	ok	0.69						
813	ok	0.62						
815	ok	0.69						
817	ok	0.91						
819	ok	1.56						
821	ok	2.67						
823	ok	3.59						
835	ok	3.59						
838	ok	2.19						
841	ok	1.29						
844	ok	0.83						
847	ok	0.64						
850	ok	0.74						
853	ok	1.15						
856	ok	1.96						
859	ok	3.21						
862	ok	3.21						
883	ok	2.30						
904	ok	2.30						
906	ok	1.49						
908	ok	1.29						
910	ok	1.44						
912	ok	1.46						
914	ok	1.46						
916	ok	1.34						
918	ok	1.43						
920	ok	2.46						
922	ok	3.41						
934	ok	3.41						
937	ok	2.13						
940	ok	1.43						
943	ok	1.60						
946	ok	1.62						
949	ok	1.62						
952	ok	1.48						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
955	ok	1.92						
958	ok	3.07						
961	ok	3.07						
982	ok	1.53						
1003	ok	1.53						
1005	ok	1.83						
1007	ok	2.28						
1009	ok	2.50						
1011	ok	2.51						
1013	ok	2.51						
1015	ok	2.32						
1017	ok	1.89						
1019	ok	1.59						
1021	ok	2.35						
1033	ok	2.35						
1036	ok	1.74						
1039	ok	2.37						
1042	ok	2.69						
1045	ok	2.75						
1048	ok	2.75						
1051	ok	2.54						
1054	ok	1.94						
1057	ok	2.19						
1060	ok	2.19						
1081	ok	0.67						
1121	ok	1.09						
1123	ok	1.83						
1143	ok	2.28						
1163	ok	2.50						
1183	ok	2.51						
1203	ok	2.51						
1231	ok	2.32						
1253	ok	1.89						
1271	ok	1.17						
1293	ok	0.68						
1314	ok	0.79						
1335	ok	1.74						
1356	ok	2.37						
1377	ok	2.69						
1398	ok	2.75						
1419	ok	2.75						
1440	ok	2.54						
1479	ok	1.94						
1482	ok	0.98						
1503	ok	0.98						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.76						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
9	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
110	ok	0.08	0.1	5.58e-02	5.7	5.7	5.7	5.7	-213.1	-57.7	98.7	-1122.2	-44.6	130.9
133	ok	0.08	0.2	3.48e-02	5.7	5.7	5.7	5.7	-105.1	-44.9	82.5	-149.2	-32.4	135.9
156	ok	0.08	0.4	3.83e-02	5.7	5.7	5.7	5.7	-101.1	-33.0	24.2	445.5	98.9	155.5
179	ok	0.08	0.5	3.99e-02	5.7	5.7	5.7	5.7	-105.2	-38.4	41.1	724.6	169.1	122.8
202	ok	0.08	0.6	4.04e-02	5.7	5.7	5.7	5.7	-101.1	-40.0	50.4	797.8	183.1	73.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
225	ok	0.08	0.6	3.96e-02	5.7	5.7	5.7	5.7	-92.0	-39.3	56.8	748.3	168.3	26.7
245	ok	0.08	0.7	3.84e-02	5.7	5.7	5.7	5.7	-87.4	-54.1	107.4	627.3	137.6	-21.7
265	ok	0.08	0.7	3.69e-02	5.7	5.7	5.7	5.7	-77.8	-52.4	106.6	484.6	103.5	-51.5
285	ok	0.08	0.7	3.55e-02	5.7	5.7	5.7	5.7	-69.9	-51.0	105.4	338.8	68.5	-71.1
301	ok	0.08	0.7	3.39e-02	5.7	5.7	5.7	5.7	-59.5	-49.4	104.0	217.3	43.3	-80.2
331	ok	0.08	0.7	3.17e-02	5.7	5.7	5.7	5.7	-38.4	-24.9	68.6	88.0	15.6	-84.2
354	ok	0.08	0.7	2.93e-02	5.7	5.7	5.7	5.7	-41.3	-43.0	95.0	10.5	-8.1	-86.8
377	ok	0.08	0.7	2.75e-02	5.7	5.7	5.7	5.7	-33.7	-40.9	90.9	-48.1	-21.7	-84.7
400	ok	0.08	0.7	2.58e-02	5.7	5.7	5.7	5.7	-19.9	-19.2	71.1	-119.5	-38.3	-75.6
423	ok	0.08	0.7	2.40e-02	5.7	5.7	5.7	5.7	-41.6	-52.8	57.7	-77.8	-42.5	-64.9
446	ok	0.08	0.6	2.20e-02	5.7	5.7	5.7	5.7	-38.1	-49.8	55.4	-102.2	-52.1	-63.0
469	ok	0.08	0.6	2.06e-02	5.7	5.7	5.7	5.7	-56.7	-42.7	-46.3	402.2	75.2	-28.4
492	ok	0.08	0.5	2.07e-02	5.7	5.7	5.7	5.7	-58.9	-41.2	-45.9	369.1	66.9	-43.7
515	ok	0.08	0.4	1.92e-02	5.7	5.7	5.7	5.7	45.9	16.8	60.2	-381.8	-78.9	214.6
538	ok	0.08	0.2	1.64e-02	5.7	5.7	5.7	5.7	52.8	17.3	57.3	-846.2	-128.8	-4.9
561	ok	0.08	8.63e-02	2.59e-02	5.7	5.7	5.7	5.7	-93.4	-32.3	-49.6	-474.5	-2.9	-52.7
606	ok	0.08	0.3	2.23e-02	5.7	5.7	5.7	5.7	-71.7	-20.4	43.1	184.5	1283.8	-467.6
608	ok	0.08	0.3	3.71e-02	5.7	5.7	5.7	5.7	-88.8	-14.6	60.8	34.1	-48.6	-432.9
610	ok	0.08	0.3	3.19e-02	5.7	5.7	5.7	5.7	-81.4	-19.6	64.2	9.6	-115.8	-342.6
612	ok	0.08	0.3	3.37e-02	5.7	5.7	5.7	5.7	-95.7	-20.2	50.1	132.3	49.8	106.1
614	ok	0.08	0.2	3.48e-02	5.7	5.7	5.7	5.7	-93.4	-22.8	59.4	186.9	93.1	110.2
616	ok	0.08	0.2	3.53e-02	5.7	5.7	5.7	5.7	-87.2	-25.6	67.0	199.4	105.7	87.8
618	ok	0.08	0.1	3.48e-02	5.7	5.7	5.7	5.7	-75.9	-30.0	83.8	167.3	100.6	53.8
620	ok	0.08	8.98e-02	3.41e-02	5.7	5.7	5.7	5.7	-68.0	-30.6	86.0	112.1	76.9	23.0
622	ok	0.08	7.15e-02	3.31e-02	5.7	5.7	5.7	5.7	-67.6	-38.6	100.8	50.1	44.1	-29.6
624	ok	0.08	6.56e-02	3.23e-02	5.7	5.7	5.7	5.7	-54.5	-26.9	79.6	-17.6	24.5	-55.6
636	ok	0.08	6.33e-02	2.99e-02	5.7	5.7	5.7	5.7	-44.5	-24.8	76.2	-105.9	-17.8	-83.5
639	ok	0.08	6.28e-02	2.88e-02	5.7	5.7	5.7	5.7	-42.2	-37.0	95.1	-165.5	-39.6	-99.0
642	ok	0.08	7.11e-02	2.72e-02	5.7	5.7	5.7	5.7	-34.5	-35.9	91.9	-221.4	-62.6	-98.8
645	ok	0.08	9.00e-02	2.58e-02	5.7	5.7	5.7	5.7	-27.1	-34.9	89.5	-272.6	-88.2	-85.5
648	ok	0.08	0.1	2.45e-02	5.7	5.7	5.7	5.7	-12.4	-29.3	80.7	-311.9	-121.9	-35.6
651	ok	0.08	0.2	2.34e-02	5.7	5.7	5.7	5.7	-1.1	-25.4	82.8	-349.2	-149.2	3.9
654	ok	0.08	0.2	2.24e-02	5.7	5.7	5.7	5.7	9.4	-30.2	80.8	-371.9	-164.2	44.8
657	ok	0.08	0.3	2.15e-02	5.7	5.7	5.7	5.7	31.4	-17.2	77.2	-479.2	-236.8	431.0
660	ok	0.08	0.3	2.06e-02	5.7	5.7	5.7	5.7	41.9	-26.5	71.3	-333.6	-45.6	458.7
663	ok	0.08	0.3	1.94e-02	5.7	5.7	5.7	5.7	29.0	-45.3	63.6	-78.3	447.2	-337.4
684	ok	0.08	0.3	2.12e-02	5.7	5.7	5.7	5.7	-17.6	-37.4	24.9	173.0	1271.3	-407.1
705	ok	0.08	0.4	2.30e-02	5.7	5.7	5.7	5.7	-66.5	-77.5	15.0	591.8	2921.3	183.6
707	ok	0.08	0.2	2.28e-02	5.7	5.7	5.7	5.7	-27.2	-75.2	-8.2	226.9	1186.7	10.1
709	ok	0.08	0.3	2.60e-02	5.7	5.7	5.7	5.7	-76.3	-13.3	69.9	-409.6	-306.9	-238.9
711	ok	0.08	0.4	2.73e-02	5.7	5.7	5.7	5.7	-71.2	-13.0	73.2	-582.3	-332.6	-165.9
713	ok	0.08	0.4	2.84e-02	5.7	5.7	5.7	5.7	-70.4	-14.8	79.2	-699.5	-294.6	-106.9
715	ok	0.08	0.4	2.91e-02	5.7	5.7	5.7	5.7	-72.9	-17.8	76.3	17.9	88.3	79.7
717	ok	0.08	0.5	2.94e-02	5.7	5.7	5.7	5.7	-67.4	-20.1	84.1	25.5	103.9	71.3
719	ok	0.08	0.5	2.93e-02	5.7	5.7	5.7	5.7	-66.4	-24.5	89.1	21.3	98.0	53.1
721	ok	0.08	0.5	2.89e-02	5.7	5.7	5.7	5.7	-59.9	-26.1	90.8	4.0	79.3	30.3
723	ok	0.08	0.5	2.83e-02	5.7	5.7	5.7	5.7	-47.9	-25.5	86.1	-24.3	61.9	5.9
735	ok	0.08	0.5	2.71e-02	5.7	5.7	5.7	5.7	-43.7	-28.0	90.7	-67.1	24.1	-20.7
738	ok	0.08	0.5	2.60e-02	5.7	5.7	5.7	5.7	-32.3	-26.6	84.2	-106.3	-14.2	-34.2
741	ok	0.08	0.5	2.49e-02	5.7	5.7	5.7	5.7	-25.3	-27.1	82.3	-137.4	-49.5	-42.0
744	ok	0.08	0.5	2.37e-02	5.7	5.7	5.7	5.7	-17.4	-28.2	80.1	-158.0	-89.2	-41.0
747	ok	0.08	0.5	2.26e-02	5.7	5.7	5.7	5.7	-8.4	-30.5	78.1	-160.0	-129.0	-31.2
750	ok	0.08	0.5	2.18e-02	5.7	5.7	5.7	5.7	2.1	-34.8	76.1	-133.4	-155.1	-15.5
753	ok	0.08	0.4	2.13e-02	5.7	5.7	5.7	5.7	9.2	-40.6	74.0	-70.4	-137.9	3.8
756	ok	0.08	0.4	2.13e-02	5.7	5.7	5.7	5.7	23.4	-51.0	70.0	44.3	-12.7	-12.7
759	ok	0.08	0.3	2.17e-02	5.7	5.7	5.7	5.7	25.9	-61.0	66.9	192.3	330.7	-77.6
762	ok	0.08	0.2	2.22e-02	5.7	5.7	5.7	5.7	8.2	-71.1	47.9	340.8	1020.0	-348.7
783	ok	0.08	0.5	2.64e-02	5.7	5.7	5.7	5.7	-27.7	-73.3	31.1	490.4	2259.5	-311.8
804	ok	0.08	0.5	2.27e-02	5.7	5.7	5.7	5.7	-58.9	-87.0	19.4	696.4	3335.0	32.5
806	ok	0.08	0.2	1.97e-02	5.7	5.7	5.7	5.7	-29.9	-84.2	9.1	327.8	1432.6	49.7
808	ok	0.08	0.3	2.20e-02	5.7	5.7	5.7	5.7	-54.9	-7.9	63.3	-520.4	-365.7	23.0
810	ok	0.08	0.4	2.40e-02	5.7	5.7	5.7	5.7	-57.7	-10.6	70.5	-728.3	-412.7	27.3
812	ok	0.08	0.5	2.56e-02	5.7	5.7	5.7	5.7	-58.4	-13.3	76.6	-870.2	-376.0	29.7
814	ok	0.08	0.5	2.66e-02	5.7	5.7	5.7	5.7	-57.4	-15.8	81.4	-959.7	-317.2	31.5
816	ok	0.08	0.6	2.73e-02	5.7	5.7	5.7	5.7	-54.7	-18.5	85.4	-1016.0	-258.0	32.5
818	ok	0.08	0.6	2.75e-02	5.7	5.7	5.7	5.7	-50.8	-20.8	88.0	-1050.9	-222.6	29.4
820	ok	0.08	0.6	2.74e-02	5.7	5.7	5.7	5.7	-46.1	-22.8	89.4	-1076.5	-208.7	23.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
822	ok	0.08	0.6	2.70e-02	5.7	5.7	5.7	5.7	-41.0	-24.3	89.8	-1099.8	-213.5	15.0
834	ok	0.08	0.6	2.62e-02	5.7	5.7	5.7	5.7	-34.0	-26.0	84.6	-1129.1	-241.5	4.0
837	ok	0.08	0.6	2.50e-02	5.7	5.7	5.7	5.7	-28.3	-27.1	82.2	-1147.0	-278.4	-6.0
840	ok	0.08	0.6	2.38e-02	5.7	5.7	5.7	5.7	-21.8	-28.6	78.7	-1153.1	-330.1	-15.9
843	ok	0.08	0.6	2.25e-02	5.7	5.7	5.7	5.7	-14.0	-31.0	77.9	-1133.2	-394.0	-24.9
846	ok	0.08	0.6	2.12e-02	5.7	5.7	5.7	5.7	-7.7	-29.8	72.8	109.4	-73.7	-57.1
849	ok	0.08	0.6	2.00e-02	5.7	5.7	5.7	5.7	5.7	-41.2	61.8	-954.3	-519.1	-46.4
852	ok	0.08	0.5	1.92e-02	5.7	5.7	5.7	5.7	16.3	-50.0	53.8	-752.5	-502.3	-56.2
855	ok	0.08	0.4	1.91e-02	5.7	5.7	5.7	5.7	20.3	-54.3	59.3	313.5	90.3	-103.2
858	ok	0.08	0.3	1.99e-02	5.7	5.7	5.7	5.7	16.4	-67.4	53.0	439.8	474.6	-119.1
861	ok	0.08	0.2	2.14e-02	5.7	5.7	5.7	5.7	3.8	-77.1	38.6	510.1	1264.8	-165.3
882	ok	0.08	0.5	2.67e-02	5.7	5.7	5.7	5.7	-24.2	-81.7	30.6	604.8	2535.9	-80.0
903	ok	0.08	0.4	1.93e-02	5.7	5.7	5.7	5.7	-50.1	-75.4	-13.7	592.9	2838.1	-161.4
905	ok	0.08	0.2	1.79e-02	5.7	5.7	5.7	5.7	-31.7	-39.0	35.8	-476.7	487.0	679.5
907	ok	0.08	0.3	1.92e-02	5.7	5.7	5.7	5.7	-38.5	-22.1	53.2	-1394.5	-818.6	755.7
909	ok	0.08	0.3	2.14e-02	5.7	5.7	5.7	5.7	-42.3	-12.7	67.7	-487.6	-328.8	173.4
911	ok	0.08	0.4	2.32e-02	5.7	5.7	5.7	5.7	-44.7	-16.3	73.2	-536.6	-274.6	125.1
913	ok	0.08	0.4	2.46e-02	5.7	5.7	5.7	5.7	-46.9	-18.0	77.7	-552.3	-207.8	91.4
915	ok	0.08	0.5	2.56e-02	5.7	5.7	5.7	5.7	-45.7	-21.3	81.8	-548.7	-145.4	65.2
917	ok	0.08	0.5	2.62e-02	5.7	5.7	5.7	5.7	-43.2	-24.3	84.9	-540.7	-105.6	48.5
919	ok	0.08	0.5	2.64e-02	5.7	5.7	5.7	5.7	-40.0	-26.7	86.9	-536.4	-87.2	37.8
921	ok	0.08	0.5	2.64e-02	5.7	5.7	5.7	5.7	-36.3	-28.6	87.7	-540.8	-87.8	30.4
933	ok	0.08	0.5	2.60e-02	5.7	5.7	5.7	5.7	-31.5	-30.7	83.0	-560.9	-110.0	19.1
936	ok	0.08	0.5	2.50e-02	5.7	5.7	5.7	5.7	-27.5	-32.1	80.5	-584.1	-141.6	3.8
939	ok	0.08	0.5	2.38e-02	5.7	5.7	5.7	5.7	-22.8	-33.5	76.5	-607.7	-187.5	-21.9
942	ok	0.08	0.5	2.22e-02	5.7	5.7	5.7	5.7	-16.8	-35.2	70.7	-622.2	-246.8	-60.8
945	ok	0.08	0.5	2.03e-02	5.7	5.7	5.7	5.7	-9.4	-37.8	63.1	-614.2	-313.6	-116.8
948	ok	0.08	0.5	1.82e-02	5.7	5.7	5.7	5.7	-0.7	-41.8	53.8	-564.6	-371.8	-189.6
951	ok	0.08	0.4	1.64e-02	5.7	5.7	5.7	5.7	8.3	-47.3	43.0	-449.9	-381.3	-266.0
954	ok	0.08	0.4	1.53e-02	5.7	5.7	5.7	5.7	16.3	-54.8	31.8	-256.4	-248.8	-317.3
957	ok	0.08	0.3	1.56e-02	5.7	5.7	5.7	5.7	14.4	-54.8	39.2	482.0	435.6	-100.3
960	ok	0.08	0.2	1.73e-02	5.7	5.7	5.7	5.7	12.1	-64.0	38.1	490.2	1078.2	112.9
981	ok	0.08	0.5	2.30e-02	5.7	5.7	5.7	5.7	-17.3	-70.3	58.1	540.5	2123.8	204.1
1002	ok	0.08	0.3	1.25e-02	5.7	5.7	5.7	5.7	-29.4	-41.1	-15.2	289.8	1569.5	-236.6
1004	ok	0.08	0.2	1.49e-02	5.7	5.7	5.7	5.7	-29.5	-14.4	40.8	-235.3	-84.3	1420.8
1006	ok	0.08	0.3	1.66e-02	5.7	5.7	5.7	5.7	-30.7	-26.3	42.6	-412.6	-449.2	1268.0
1008	ok	0.08	0.2	1.90e-02	5.7	5.7	5.7	5.7	-30.6	-38.3	48.6	-522.8	-495.3	1034.0
1010	ok	0.08	0.2	2.15e-02	5.7	5.7	5.7	5.7	-38.8	-21.6	64.7	333.9	-17.2	89.0
1012	ok	0.08	0.2	2.30e-02	5.7	5.7	5.7	5.7	-41.1	-25.3	73.3	460.7	43.5	48.4
1014	ok	0.08	0.2	2.42e-02	5.7	5.7	5.7	5.7	-40.2	-31.5	73.3	563.5	101.9	24.3
1016	ok	0.08	0.3	2.51e-02	5.7	5.7	5.7	5.7	-39.1	-33.8	76.6	635.1	140.2	18.1
1018	ok	0.08	0.3	2.56e-02	5.7	5.7	5.7	5.7	-38.0	-33.0	80.4	674.6	158.2	25.5
1020	ok	0.08	0.3	2.59e-02	5.7	5.7	5.7	5.7	-36.0	-35.2	81.0	693.4	178.3	35.0
1032	ok	0.08	0.3	2.59e-02	5.7	5.7	5.7	5.7	-28.8	-37.0	85.4	676.1	163.6	60.1
1035	ok	0.08	0.3	2.52e-02	5.7	5.7	5.7	5.7	-27.0	-38.2	82.4	622.9	126.7	54.2
1038	ok	0.08	0.3	2.43e-02	5.7	5.7	5.7	5.7	-24.2	-39.1	78.6	556.5	94.7	37.0
1041	ok	0.08	0.3	2.28e-02	5.7	5.7	5.7	5.7	-25.3	-40.7	73.1	479.5	48.2	-26.8
1044	ok	0.08	0.2	2.06e-02	5.7	5.7	5.7	5.7	-20.6	-40.4	65.2	379.4	-5.4	-90.7
1047	ok	0.08	0.2	1.78e-02	5.7	5.7	5.7	5.7	-14.2	-39.7	55.0	266.8	-62.7	-182.7
1050	ok	0.08	0.2	1.47e-02	5.7	5.7	5.7	5.7	-6.5	-39.0	39.4	155.2	-120.4	-298.4
1053	ok	0.08	0.3	1.18e-02	5.7	5.7	5.7	5.7	-15.1	-42.9	10.7	-580.0	-538.2	-1132.5
1056	ok	0.08	0.3	9.93e-03	5.7	5.7	5.7	5.7	-23.5	-27.2	-13.1	-422.0	-467.1	-1304.5
1059	ok	0.08	0.2	1.27e-02	5.7	5.7	5.7	5.7	25.7	-44.8	27.0	258.7	590.0	320.7
1080	ok	0.08	0.3	1.55e-02	5.7	5.7	5.7	5.7	-3.1	-37.8	48.8	308.4	1174.5	342.6
1101	ok	0.08	4.89e-02	4.88e-03	5.7	5.7	5.7	5.7	-12.4	-15.0	9.0	177.0	107.4	147.8
1122	ok	0.08	0.2	1.30e-02	5.7	5.7	5.7	5.7	-21.7	-44.8	24.5	774.5	88.1	563.4
1124	ok	0.08	0.3	1.66e-02	5.7	5.7	5.7	5.7	-21.7	-45.8	33.2	1689.8	181.7	482.5
1162	ok	0.08	0.4	1.66e-02	5.7	5.7	5.7	5.7	-22.9	-41.0	44.5	2655.8	451.5	337.5
1182	ok	0.08	0.5	2.09e-02	5.7	5.7	5.7	5.7	-25.4	-42.8	58.2	1832.4	313.8	-108.9
1202	ok	0.08	0.6	2.29e-02	5.7	5.7	5.7	5.7	-28.5	-43.1	65.9	2125.2	388.4	-90.0
1222	ok	0.08	0.6	2.40e-02	5.7	5.7	5.7	5.7	-30.1	-42.3	71.3	2337.8	448.4	-66.7
1242	ok	0.08	0.6	2.48e-02	5.7	5.7	5.7	5.7	-31.0	-42.4	74.5	2470.3	486.0	-39.6
1264	ok	0.08	0.7	2.53e-02	5.7	5.7	5.7	5.7	-31.2	-43.4	76.2	2537.9	504.2	-11.5
1282	ok	0.08	0.7	2.57e-02	5.7	5.7	5.7	5.7	-31.3	-45.3	81.4	2557.0	513.1	19.6
1313	ok	0.08	0.7	2.58e-02	5.7	5.7	5.7	5.7	-30.8	-45.3	77.7	2529.0	509.2	48.3
1334	ok	0.08	0.7	2.57e-02	5.7	5.7	5.7	5.7	-29.9	-47.7	80.8	2464.0	494.4	67.2
1355	ok	0.08	0.6	2.53e-02	5.7	5.7	5.7	5.7	-29.1	-49.5	78.2	2360.6	474.9	74.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1376	ok	0.08	0.6	2.44e-02	5.7	5.7	5.7	5.7	-27.9	-49.5	74.5	2204.9	443.0	73.0
1397	ok	0.08	0.6	2.27e-02	5.7	5.7	5.7	5.7	-26.0	-46.4	69.3	1981.5	399.3	61.1
1418	ok	0.08	0.6	1.99e-02	5.7	5.7	5.7	5.7	-31.8	-57.9	31.3	3599.9	675.0	-194.4
1439	ok	0.08	0.5	1.56e-02	5.7	5.7	5.7	5.7	-29.8	-45.3	22.4	3178.0	598.2	-297.7
1460	ok	0.08	0.4	1.08e-02	5.7	5.7	5.7	5.7	-22.5	-41.3	7.6	2452.6	362.1	-441.4
1481	ok	0.08	0.3	1.31e-02	5.7	5.7	5.7	5.7	-19.0	-55.9	14.9	1474.1	64.8	-531.6
1484	ok	0.08	0.2	8.01e-03	5.7	5.7	5.7	5.7	18.7	53.8	29.6	-441.7	267.3	139.6
1523	ok	0.08	7.02e-02	4.35e-03	5.7	5.7	5.7	5.7	-4.4	39.3	21.1	-137.6	189.1	89.6
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-213.08	-87.01	-49.61	-1394.46	-818.61	-1304.54
		0.08	0.71	0.06	5.65	5.65	5.65	5.65	52.84	53.80	107.39	3599.88	3334.96	1420.79

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
110	ok	0.89						
133	ok	1.12						
156	ok	1.93						
179	ok	2.38						
202	ok	2.63						
225	ok	2.75						
245	ok	2.82						
265	ok	2.85						
285	ok	2.87						
301	ok	2.87						
331	ok	2.86						
354	ok	2.86						
377	ok	2.85						
400	ok	2.84						
423	ok	2.81						
446	ok	2.74						
469	ok	2.60						
492	ok	2.34						
515	ok	1.89						
538	ok	1.12						
561	ok	0.79						
606	ok	1.66						
608	ok	1.66						
610	ok	1.93						
612	ok	2.38						
614	ok	2.63						
616	ok	2.75						
618	ok	2.82						
620	ok	2.85						
622	ok	2.87						
624	ok	2.87						
636	ok	2.86						
639	ok	2.86						
642	ok	2.85						
645	ok	2.84						
648	ok	2.81						
651	ok	2.74						
654	ok	2.60						
657	ok	2.34						
660	ok	1.89						
663	ok	1.69						
684	ok	1.69						
705	ok	2.26						
707	ok	2.26						
709	ok	1.43						
711	ok	1.30						
713	ok	1.49						
715	ok	1.61						
717	ok	1.67						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
719	ok	1.70						
721	ok	1.71						
723	ok	1.72						
735	ok	1.72						
738	ok	1.72						
741	ok	1.72						
744	ok	1.70						
747	ok	1.66						
750	ok	1.60						
753	ok	1.48						
756	ok	1.29						
759	ok	1.42						
762	ok	2.31						
783	ok	2.31						
804	ok	2.26						
806	ok	2.26						
808	ok	1.43						
810	ok	0.88						
812	ok	0.60						
814	ok	0.53						
816	ok	0.55						
818	ok	0.56						
820	ok	0.57						
822	ok	0.57						
834	ok	0.57						
837	ok	0.57						
840	ok	0.57						
843	ok	0.56						
846	ok	0.55						
849	ok	0.53						
852	ok	0.59						
855	ok	0.86						
858	ok	1.42						
861	ok	2.31						
882	ok	2.31						
903	ok	2.24						
905	ok	2.24						
907	ok	1.42						
909	ok	1.20						
911	ok	1.40						
913	ok	1.53						
915	ok	1.60						
917	ok	1.64						
919	ok	1.66						
921	ok	1.66						
933	ok	1.66						
936	ok	1.66						
939	ok	1.66						
942	ok	1.64						
945	ok	1.61						
948	ok	1.55						
951	ok	1.43						
954	ok	1.24						
957	ok	1.42						
960	ok	2.28						
981	ok	2.28						
1002	ok	1.63						
1004	ok	1.63						
1006	ok	1.70						
1008	ok	2.20						
1010	ok	2.45						
1012	ok	2.58						
1014	ok	2.66						
1016	ok	2.69						
1018	ok	2.71						
1020	ok	2.71						
1032	ok	2.71						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1035	ok	2.71						
1038	ok	2.70						
1041	ok	2.68						
1044	ok	2.65						
1047	ok	2.59						
1050	ok	2.47						
1053	ok	2.24						
1056	ok	1.68						
1059	ok	1.67						
1080	ok	1.67						
1101	ok	0.69						
1122	ok	0.86						
1124	ok	1.70						
1162	ok	2.20						
1182	ok	2.45						
1202	ok	2.58						
1222	ok	2.66						
1242	ok	2.69						
1264	ok	2.71						
1282	ok	2.71						
1313	ok	2.71						
1334	ok	2.71						
1355	ok	2.70						
1376	ok	2.68						
1397	ok	2.65						
1418	ok	2.59						
1439	ok	2.47						
1460	ok	2.24						
1481	ok	1.68						
1484	ok	0.87						
1523	ok	0.63						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.87						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
10	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
311	ok	0.08	6.91e-02	3.54e-02	5.7	5.7	5.7	5.7	-82.0	-63.0	-92.4	-143.5	248.8	89.4
312	ok	0.08	0.2	1.97e-02	5.7	5.7	5.7	5.7	49.6	4.7	2.4	-1070.9	-93.5	161.4
313	ok	0.08	0.4	1.39e-02	5.7	5.7	5.7	5.7	59.7	-11.6	27.1	-1639.1	-246.9	128.0
314	ok	0.08	0.6	1.36e-02	5.7	5.7	5.7	5.7	27.5	-48.0	36.1	-2670.9	-533.8	92.0
315	ok	0.08	0.7	1.48e-02	5.7	5.7	5.7	5.7	24.6	-57.0	30.7	-3264.1	-671.3	78.3
316	ok	0.08	0.8	1.53e-02	5.7	5.7	5.7	5.7	57.6	78.9	-3.9	-1669.9	-461.0	124.8
317	ok	0.08	0.9	1.84e-02	5.7	5.7	5.7	5.7	92.8	103.8	0.7	-1991.3	-534.7	-39.3
318	ok	0.08	0.7	2.43e-02	5.7	5.7	5.7	5.7	57.9	100.4	27.6	-1663.5	-380.6	-212.6
319	ok	0.08	0.4	2.63e-02	5.7	5.7	5.7	5.7	-37.9	-78.2	61.0	-1850.3	-362.0	-152.2
320	ok	0.08	0.2	2.89e-02	5.7	5.7	5.7	5.7	-29.1	-66.6	77.5	703.2	158.3	-186.0
321	ok	0.08	0.3	9.35e-02	5.7	5.7	5.7	5.7	-325.2	-143.5	181.6	1981.3	209.4	-282.5
625	ok	0.08	0.1	3.75e-02	5.7	5.7	5.7	5.7	-59.2	-136.1	-35.8	81.7	531.8	-8.0
626	ok	0.08	7.08e-02	3.34e-02	5.7	5.7	5.7	5.7	15.6	-140.8	-13.4	-83.4	-29.7	-269.3
627	ok	0.08	9.35e-02	2.90e-02	5.7	5.7	5.7	5.7	37.8	-129.9	22.4	-222.2	50.4	-270.9
628	ok	0.08	0.1	2.38e-02	5.7	5.7	5.7	5.7	33.2	-97.9	37.2	-451.8	-20.2	-192.4
629	ok	0.08	0.2	2.10e-02	5.7	5.7	5.7	5.7	30.8	-88.2	32.2	-692.5	-96.0	-138.6
630	ok	0.08	0.2	2.08e-02	5.7	5.7	5.7	5.7	29.5	-81.7	35.6	-821.7	-165.6	-51.6
631	ok	0.08	0.2	2.22e-02	5.7	5.7	5.7	5.7	22.4	-77.4	44.2	-821.5	-185.6	60.4
632	ok	0.08	0.2	2.43e-02	5.7	5.7	5.7	5.7	-0.6	-66.4	60.2	-630.6	-115.3	142.7

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
633	ok	0.08	0.1	2.66e-02	5.7	5.7	5.7	5.7	-30.7	-72.5	54.5	-230.2	67.5	341.0
634	ok	0.08	0.1	4.88e-02	5.7	5.7	5.7	5.7	-69.6	-105.9	139.1	120.0	219.0	-53.0
635	ok	0.08	0.2	4.81e-02	5.7	5.7	5.7	5.7	-130.6	-24.0	70.3	-386.5	-615.2	37.2
724	ok	0.08	0.2	5.14e-02	5.7	5.7	5.7	5.7	-74.2	-211.7	-69.1	-178.6	-1023.2	6.5
725	ok	0.08	6.46e-02	4.40e-02	5.7	5.7	5.7	5.7	-10.4	-197.3	-24.3	97.4	-201.6	-221.8
726	ok	0.08	0.1	3.88e-02	5.7	5.7	5.7	5.7	24.3	-179.3	-20.8	310.4	154.6	-294.8
727	ok	0.08	0.2	3.18e-02	5.7	5.7	5.7	5.7	41.8	-147.9	-7.5	485.5	307.3	-242.2
728	ok	0.08	0.1	2.62e-02	5.7	5.7	5.7	5.7	27.5	-117.6	16.0	532.8	274.2	-173.3
729	ok	0.08	0.1	2.30e-02	5.7	5.7	5.7	5.7	17.8	-99.6	21.1	551.8	246.4	-65.7
730	ok	0.08	0.1	2.19e-02	5.7	5.7	5.7	5.7	5.3	-87.6	40.0	542.3	248.5	72.6
731	ok	0.08	0.1	2.27e-02	5.7	5.7	5.7	5.7	-25.5	-39.6	8.6	621.6	425.9	285.1
732	ok	0.08	0.1	2.52e-02	5.7	5.7	5.7	5.7	-49.2	-43.7	27.6	443.0	416.0	443.2
733	ok	0.08	7.46e-02	3.07e-02	5.7	5.7	5.7	5.7	-86.4	-46.1	43.6	122.0	-137.7	421.6
734	ok	0.08	0.3	3.61e-02	5.7	5.7	5.7	5.7	-138.9	-45.8	47.4	-354.1	-1780.8	67.2
823	ok	0.08	0.3	5.57e-02	5.7	5.7	5.7	5.7	-75.1	-223.5	-82.5	-248.7	-1396.1	28.0
824	ok	0.08	8.29e-02	4.88e-02	5.7	5.7	5.7	5.7	-11.4	-206.8	-56.6	59.7	-411.3	-5.9
825	ok	0.08	8.85e-02	4.30e-02	5.7	5.7	5.7	5.7	21.4	-186.7	-52.3	351.1	111.7	-50.3
826	ok	0.08	0.2	3.54e-02	5.7	5.7	5.7	5.7	27.8	-157.2	-39.7	680.2	397.1	-81.0
827	ok	0.08	0.2	2.85e-02	5.7	5.7	5.7	5.7	22.6	-128.1	-24.1	894.7	468.4	-54.2
828	ok	0.08	0.2	2.33e-02	5.7	5.7	5.7	5.7	7.6	-107.5	-2.6	990.8	482.6	-24.6
829	ok	0.08	0.2	2.08e-02	5.7	5.7	5.7	5.7	-29.6	-50.2	-6.8	1274.5	643.5	2.0
830	ok	0.08	0.2	2.08e-02	5.7	5.7	5.7	5.7	-38.5	-57.1	13.1	1075.3	697.6	82.4
831	ok	0.08	0.1	2.16e-02	5.7	5.7	5.7	5.7	-67.5	-60.5	28.8	681.8	554.5	170.1
832	ok	0.08	4.62e-02	2.88e-02	5.7	5.7	5.7	5.7	-100.2	-51.5	37.8	142.8	-259.5	178.7
833	ok	0.08	0.3	3.59e-02	5.7	5.7	5.7	5.7	-137.6	-45.9	60.9	-436.8	-2204.9	54.4
922	ok	0.08	0.3	4.97e-02	5.7	5.7	5.7	5.7	-60.2	-179.1	-39.9	-225.3	-1261.2	34.2
923	ok	0.08	0.1	4.50e-02	5.7	5.7	5.7	5.7	-9.2	-172.3	-87.8	-10.6	-428.4	180.2
924	ok	0.08	6.02e-02	4.07e-02	5.7	5.7	5.7	5.7	16.6	-155.5	-81.0	248.8	42.0	191.0
925	ok	0.08	0.1	3.47e-02	5.7	5.7	5.7	5.7	19.0	-134.0	-68.3	541.8	328.9	152.1
926	ok	0.08	0.2	2.85e-02	5.7	5.7	5.7	5.7	1.8	-117.2	-46.3	742.2	412.6	77.4
927	ok	0.08	0.2	2.30e-02	5.7	5.7	5.7	5.7	-12.5	-101.7	-23.9	851.9	442.1	15.5
928	ok	0.08	0.2	1.92e-02	5.7	5.7	5.7	5.7	-47.4	-56.8	1.6	1239.7	628.3	-80.8
929	ok	0.08	0.2	1.91e-02	5.7	5.7	5.7	5.7	-48.1	-67.2	21.4	1099.1	695.8	-175.0
930	ok	0.08	0.1	2.12e-02	5.7	5.7	5.7	5.7	-59.6	-79.9	24.2	712.9	625.7	-238.5
931	ok	0.08	4.27e-02	2.78e-02	5.7	5.7	5.7	5.7	-111.1	-66.6	20.1	156.9	-153.8	-122.8
932	ok	0.08	0.3	3.84e-02	5.7	5.7	5.7	5.7	-154.5	-44.7	52.5	-539.9	-2226.8	48.2
1021	ok	0.08	0.2	3.24e-02	5.7	5.7	5.7	5.7	-14.2	-83.8	-92.1	-143.8	-697.4	22.7
1022	ok	0.08	0.1	3.28e-02	5.7	5.7	5.7	5.7	13.5	-78.6	-97.1	53.0	3.9	48.4
1023	ok	0.08	8.38e-02	3.27e-02	5.7	5.7	5.7	5.7	-30.9	-8.3	-91.7	193.9	43.8	41.1
1024	ok	0.08	0.1	3.12e-02	5.7	5.7	5.7	5.7	-53.0	-28.9	-71.8	362.3	65.0	47.8
1025	ok	0.08	0.1	2.76e-02	5.7	5.7	5.7	5.7	-63.2	-44.7	-49.3	501.6	83.6	64.1
1026	ok	0.08	0.1	2.32e-02	5.7	5.7	5.7	5.7	-67.3	-52.1	-24.8	652.8	123.7	78.2
1027	ok	0.08	0.1	1.92e-02	5.7	5.7	5.7	5.7	-72.2	-62.9	8.8	867.8	392.0	-66.4
1028	ok	0.08	0.2	2.11e-02	5.7	5.7	5.7	5.7	-65.3	-66.9	32.4	972.3	473.3	-265.2
1029	ok	0.08	0.2	2.40e-02	5.7	5.7	5.7	5.7	-50.8	-78.4	44.3	1101.5	529.6	-531.1
1030	ok	0.08	0.2	3.90e-02	5.7	5.7	5.7	5.7	-99.5	-163.1	-40.0	873.0	712.1	-639.6
1031	ok	0.08	0.3	5.55e-02	5.7	5.7	5.7	5.7	-254.6	-104.8	23.2	-1195.8	-1984.9	-113.8
1293	ok	0.08	5.46e-02	4.84e-04	5.7	5.7	5.7	5.7	43.0	47.9	-36.5	-63.5	80.2	5.3
1294	ok	0.08	6.39e-02	1.52e-02	5.7	5.7	5.7	5.7	30.5	13.6	-61.1	55.6	17.7	61.0
1295	ok	0.08	6.05e-02	2.27e-02	5.7	5.7	5.7	5.7	-41.1	-36.7	-67.3	359.7	89.0	109.8
1296	ok	0.08	7.98e-02	2.80e-02	5.7	5.7	5.7	5.7	-74.7	-70.4	-58.4	557.4	105.1	103.1
1297	ok	0.08	0.1	2.77e-02	5.7	5.7	5.7	5.7	-83.0	-83.5	-45.5	762.4	159.6	117.3
1298	ok	0.08	0.1	2.68e-02	5.7	5.7	5.7	5.7	-91.4	-90.0	-11.8	975.3	200.1	123.6
1299	ok	0.08	0.2	2.34e-02	5.7	5.7	5.7	5.7	-90.3	-84.4	-8.9	1228.9	253.7	126.8
1300	ok	0.08	0.2	2.32e-02	5.7	5.7	5.7	5.7	-85.9	-71.3	13.7	1511.0	318.9	100.1
1301	ok	0.08	0.3	2.17e-02	5.7	5.7	5.7	5.7	-65.2	-47.7	35.1	1935.1	427.0	46.4
1302	ok	0.08	0.7	1.73e-02	5.7	5.7	5.7	5.7	181.1	-3.4	93.0	2579.7	844.0	-459.2
1303	ok	0.08	0.4	0.1	5.7	5.7	5.7	5.7	-558.4	-79.7	-95.4	4921.7	437.5	43.1
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-558.40	-223.46	-97.06	-3264.09	-2226.84	-639.62
		0.08	0.90	0.12	5.65	5.65	5.65	5.65	181.15	103.80	181.58	4921.67	843.97	443.16

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
311	ok	0.73						
312	ok	1.08						
313	ok	1.52						
314	ok	1.85						
315	ok	2.04						
316	ok	2.25						
317	ok	2.25						
318	ok	2.24						
319	ok	1.81						
320	ok	1.18						
321	ok	1.18						
625	ok	0.73						
626	ok	1.08						
627	ok	1.52						
628	ok	1.85						
629	ok	2.04						
630	ok	2.25						
631	ok	2.25						
632	ok	2.24						
633	ok	1.81						
634	ok	1.18						
635	ok	1.18						
724	ok	1.08						
725	ok	1.08						
726	ok	0.65						
727	ok	0.94						
728	ok	1.12						
729	ok	1.20						
730	ok	1.20						
731	ok	1.13						
732	ok	0.84						
733	ok	1.16						
734	ok	1.16						
823	ok	1.09						
824	ok	1.09						
825	ok	0.73						
826	ok	0.43						
827	ok	0.42						
828	ok	0.46						
829	ok	0.46						
830	ok	0.43						
831	ok	0.69						
832	ok	1.27						
833	ok	1.27						
922	ok	1.09						
923	ok	1.09						
924	ok	0.73						
925	ok	0.43						
926	ok	0.34						
927	ok	0.34						
928	ok	0.31						
929	ok	0.35						
930	ok	0.69						
931	ok	1.46						
932	ok	1.46						
1021	ok	0.85						
1022	ok	0.85						
1023	ok	0.56						
1024	ok	0.39						
1025	ok	0.49						
1026	ok	0.49						
1027	ok	0.49						
1028	ok	0.43						
1029	ok	0.77						
1030	ok	2.67						
1031	ok	2.67						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1293	ok	0.65						
1294	ok	0.65						
1295	ok	0.29						
1296	ok	0.39						
1297	ok	0.49						
1298	ok	0.49						
1299	ok	0.49						
1300	ok	0.43						
1301	ok	0.77						
1302	ok	2.67						
1303	ok	2.67						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.67						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
11	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
321	ok	0.08	0.3	8.71e-02	5.7	5.7	5.7	5.7	-377.0	-86.6	98.4	-3002.6	-386.3	161.0
344	ok	0.08	0.3	2.38e-02	5.7	5.7	5.7	5.7	60.2	-26.0	-24.6	-1419.4	-483.0	-89.8
367	ok	0.08	0.2	3.51e-02	5.7	5.7	5.7	5.7	-95.9	-9.2	-102.9	1220.7	192.1	37.4
390	ok	0.08	0.3	3.97e-02	5.7	5.7	5.7	5.7	-125.1	-26.4	-54.3	2276.8	430.9	78.2
413	ok	0.08	0.4	4.07e-02	5.7	5.7	5.7	5.7	-135.7	-37.5	-48.2	2904.9	570.6	80.8
436	ok	0.08	0.4	3.98e-02	5.7	5.7	5.7	5.7	-137.1	-44.8	-83.1	3148.6	627.6	61.2
459	ok	0.08	0.4	3.81e-02	5.7	5.7	5.7	5.7	-132.2	-46.7	-74.3	3039.7	609.1	54.0
482	ok	0.08	0.3	3.82e-02	5.7	5.7	5.7	5.7	-97.3	-42.5	-105.1	89.6	11.9	25.4
505	ok	0.08	0.3	3.55e-02	5.7	5.7	5.7	5.7	-89.0	-41.4	-97.8	68.2	6.3	13.2
528	ok	0.08	0.2	3.01e-02	5.7	5.7	5.7	5.7	35.1	4.7	80.3	747.5	267.2	47.8
551	ok	0.08	7.00e-02	3.03e-02	5.7	5.7	5.7	5.7	-51.1	-59.4	-86.5	18.2	-39.9	5.0
635	ok	0.08	0.2	4.74e-02	5.7	5.7	5.7	5.7	-154.3	-30.0	-19.1	609.0	616.3	-107.5
638	ok	0.08	0.1	3.82e-02	5.7	5.7	5.7	5.7	-103.2	-58.4	-74.9	-274.5	-109.9	-573.6
641	ok	0.08	0.1	3.74e-02	5.7	5.7	5.7	5.7	-103.4	-39.7	-68.6	-381.3	-300.9	-539.9
644	ok	0.08	8.87e-02	3.89e-02	5.7	5.7	5.7	5.7	-117.9	-32.2	-69.3	-199.2	-243.6	-339.3
647	ok	0.08	5.17e-02	3.84e-02	5.7	5.7	5.7	5.7	-118.5	-32.6	-74.5	33.6	-186.7	-152.3
650	ok	0.08	4.17e-02	3.66e-02	5.7	5.7	5.7	5.7	-118.3	-33.2	-65.4	122.7	-142.2	55.2
653	ok	0.08	5.58e-02	3.54e-02	5.7	5.7	5.7	5.7	-111.2	-33.9	-53.5	137.1	-126.6	233.3
656	ok	0.08	7.90e-02	3.42e-02	5.7	5.7	5.7	5.7	-96.1	-35.1	-40.9	92.2	-120.8	392.4
659	ok	0.08	9.50e-02	3.44e-02	5.7	5.7	5.7	5.7	-1.2	-97.9	82.1	48.4	-26.8	369.4
662	ok	0.08	8.82e-02	3.54e-02	5.7	5.7	5.7	5.7	2.7	-110.5	70.0	41.0	155.8	360.4
674	ok	0.08	0.1	3.81e-02	5.7	5.7	5.7	5.7	-44.5	-111.7	10.7	157.2	650.9	43.6
734	ok	0.08	0.3	3.82e-02	5.7	5.7	5.7	5.7	-138.9	-41.5	-73.6	303.3	1785.6	-16.3
737	ok	0.08	6.31e-02	3.54e-02	5.7	5.7	5.7	5.7	-118.0	-42.2	-66.5	-219.0	241.6	-292.5
740	ok	0.08	0.1	3.51e-02	5.7	5.7	5.7	5.7	-112.6	-46.2	-69.1	-626.8	-481.1	-406.8
743	ok	0.08	0.1	3.49e-02	5.7	5.7	5.7	5.7	-108.1	-42.4	-73.6	-922.6	-679.5	-321.1
746	ok	0.08	0.1	3.36e-02	5.7	5.7	5.7	5.7	-107.8	-37.6	-68.9	-1067.9	-695.6	-158.4
749	ok	0.08	0.2	3.23e-02	5.7	5.7	5.7	5.7	-105.2	-34.4	-67.8	-1094.9	-656.6	24.6
752	ok	0.08	0.2	3.14e-02	5.7	5.7	5.7	5.7	-97.1	-33.8	-57.9	-1023.7	-607.7	186.1
755	ok	0.08	0.2	3.15e-02	5.7	5.7	5.7	5.7	-83.1	-36.7	-41.1	-847.9	-499.5	308.2
758	ok	0.08	0.1	3.71e-02	5.7	5.7	5.7	5.7	-0.1	-152.9	51.2	-417.7	-195.8	290.3
761	ok	0.08	7.83e-02	4.24e-02	5.7	5.7	5.7	5.7	-13.7	-180.5	47.1	-103.9	302.6	230.5
773	ok	0.08	0.3	5.01e-02	5.7	5.7	5.7	5.7	-77.2	-202.9	3.0	264.9	1392.3	10.0
833	ok	0.08	0.3	3.83e-02	5.7	5.7	5.7	5.7	-136.5	-45.1	-52.4	407.4	2211.7	52.0
836	ok	0.08	7.42e-02	3.69e-02	5.7	5.7	5.7	5.7	-124.7	-43.7	-71.1	-82.1	483.6	-21.9
839	ok	0.08	7.67e-02	3.50e-02	5.7	5.7	5.7	5.7	-111.8	-49.8	-72.1	-553.9	-454.1	-57.3
842	ok	0.08	0.1	3.26e-02	5.7	5.7	5.7	5.7	-98.6	-48.4	-69.5	-949.4	-809.1	-45.6
845	ok	0.08	0.2	3.08e-02	5.7	5.7	5.7	5.7	-93.0	-42.4	-63.5	-1192.7	-885.1	-16.0
848	ok	0.08	0.2	3.06e-02	5.7	5.7	5.7	5.7	-82.6	-35.5	-57.5	-1262.4	-852.9	19.1

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
851	ok	0.08	0.2	2.97e-02	5.7	5.7	5.7	5.7	-81.5	-33.5	-51.8	-1177.1	-768.8	40.6
854	ok	0.08	0.1	2.96e-02	5.7	5.7	5.7	5.7	-51.2	-27.8	-79.3	-705.3	-478.8	21.8
857	ok	0.08	8.78e-02	3.62e-02	5.7	5.7	5.7	5.7	2.6	-167.9	11.6	-410.6	-197.8	30.5
860	ok	0.08	8.69e-02	4.28e-02	5.7	5.7	5.7	5.7	-17.2	-197.6	11.7	-71.3	417.2	1.8
872	ok	0.08	0.3	5.00e-02	5.7	5.7	5.7	5.7	-83.6	-223.4	-21.4	317.4	1665.0	-22.4
932	ok	0.08	0.3	4.13e-02	5.7	5.7	5.7	5.7	-153.4	-46.7	-53.6	539.2	2250.7	53.3
935	ok	0.08	7.38e-02	4.05e-02	5.7	5.7	5.7	5.7	-133.8	-49.7	-84.0	78.2	460.7	203.9
938	ok	0.08	0.1	3.45e-02	5.7	5.7	5.7	5.7	-93.6	-66.4	-79.8	-404.4	-458.6	307.3
941	ok	0.08	0.2	3.09e-02	5.7	5.7	5.7	5.7	-74.4	-57.0	-60.9	-778.1	-728.0	266.4
944	ok	0.08	0.2	3.03e-02	5.7	5.7	5.7	5.7	-72.6	-43.1	-52.1	-969.0	-760.1	146.3
947	ok	0.08	0.2	2.94e-02	5.7	5.7	5.7	5.7	-77.9	-34.2	-49.3	-981.8	-718.9	10.5
950	ok	0.08	0.1	2.82e-02	5.7	5.7	5.7	5.7	-72.5	-28.4	-48.8	-884.1	-635.5	-109.7
953	ok	0.08	0.1	2.65e-02	5.7	5.7	5.7	5.7	5.6	-115.5	-29.4	-483.2	-372.6	-191.1
956	ok	0.08	8.04e-02	3.19e-02	5.7	5.7	5.7	5.7	9.7	-140.2	-32.3	-260.0	-130.0	-239.3
959	ok	0.08	0.1	3.79e-02	5.7	5.7	5.7	5.7	-12.9	-168.0	-38.4	20.6	403.3	-211.6
971	ok	0.08	0.3	4.28e-02	5.7	5.7	5.7	5.7	-65.6	-188.1	-39.8	267.9	1357.9	-28.9
1031	ok	0.08	0.3	6.09e-02	5.7	5.7	5.7	5.7	-262.6	-89.9	-57.1	1154.7	2128.2	151.7
1034	ok	0.08	0.2	6.80e-02	5.7	5.7	5.7	5.7	-149.8	-167.6	-159.0	-463.2	-338.3	578.4
1037	ok	0.08	0.2	3.29e-02	5.7	5.7	5.7	5.7	-48.8	-84.9	-51.3	-757.7	-443.2	626.7
1040	ok	0.08	0.2	3.05e-02	5.7	5.7	5.7	5.7	-60.9	-51.6	-37.8	-662.6	-469.0	384.5
1043	ok	0.08	0.1	2.93e-02	5.7	5.7	5.7	5.7	-70.2	-36.0	-36.1	-578.5	-416.4	164.9
1046	ok	0.08	7.70e-02	2.82e-02	5.7	5.7	5.7	5.7	-50.8	-33.8	-75.7	-233.5	-240.8	-18.2
1049	ok	0.08	8.90e-02	2.67e-02	5.7	5.7	5.7	5.7	-47.2	-27.9	-74.1	-182.8	-210.9	-153.8
1052	ok	0.08	0.1	2.46e-02	5.7	5.7	5.7	5.7	-2.5	-73.4	-50.3	-124.1	-171.7	-297.2
1055	ok	0.08	9.56e-02	2.34e-02	5.7	5.7	5.7	5.7	12.8	-79.4	-56.1	-56.3	-73.0	-416.2
1058	ok	0.08	0.1	2.55e-02	5.7	5.7	5.7	5.7	5.5	-89.6	-48.6	79.5	205.9	-320.6
1070	ok	0.08	0.2	2.56e-02	5.7	5.7	5.7	5.7	-32.1	-91.2	-0.8	144.6	800.4	-9.0
1303	ok	0.08	0.3	0.1	5.7	5.7	5.7	5.7	-608.2	-132.5	-187.3	-4458.4	-349.0	-175.5
1324	ok	0.08	0.6	3.49e-02	5.7	5.7	5.7	5.7	152.2	-16.5	-5.6	-2480.6	-682.4	406.9
1345	ok	0.08	0.3	3.00e-02	5.7	5.7	5.7	5.7	-19.7	-8.3	-13.9	-1387.2	-346.5	144.1
1366	ok	0.08	0.2	2.92e-02	5.7	5.7	5.7	5.7	-43.4	-56.9	-86.1	-497.4	-103.8	-31.1
1387	ok	0.08	0.1	2.85e-02	5.7	5.7	5.7	5.7	-47.0	-50.2	-84.6	-336.9	-67.6	-48.7
1408	ok	0.08	7.90e-02	2.75e-02	5.7	5.7	5.7	5.7	-47.2	-44.4	-82.5	-226.3	-44.7	-55.1
1429	ok	0.08	8.88e-02	2.59e-02	5.7	5.7	5.7	5.7	-44.0	-39.4	-79.6	-149.1	-30.3	-52.8
1450	ok	0.08	8.32e-02	2.31e-02	5.7	5.7	5.7	5.7	-8.2	-18.8	-48.4	332.2	57.0	-166.0
1480	ok	0.08	5.84e-02	1.96e-02	5.7	5.7	5.7	5.7	12.2	-7.5	-51.8	75.2	-57.8	-196.2
1483	ok	0.08	6.51e-02	1.42e-02	5.7	5.7	5.7	5.7	30.4	18.1	-33.3	-163.6	-38.7	-143.5
1513	ok	0.08	6.17e-02	1.36e-03	5.7	5.7	5.7	5.7	10.8	52.1	8.6	-135.4	188.1	-7.9
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-608.25	-223.44	-187.29	-4458.35	-885.11	-573.63
		0.08	0.62	0.14	5.65	5.65	5.65	5.65	152.19	52.12	98.45	3148.55	2250.71	626.65

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
321	ok	1.68						
344	ok	1.68						
367	ok	1.32						
390	ok	1.66						
413	ok	1.80						
436	ok	1.80						
459	ok	1.80						
482	ok	1.65						
505	ok	1.34						
528	ok	0.81						
551	ok	0.40						
635	ok	1.68						
638	ok	1.68						
641	ok	1.32						
644	ok	1.66						
647	ok	1.80						
650	ok	1.80						
653	ok	1.80						
656	ok	1.65						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
659	ok	1.34						
662	ok	0.89						
674	ok	0.89						
734	ok	1.33						
737	ok	1.33						
740	ok	0.79						
743	ok	0.71						
746	ok	0.83						
749	ok	0.84						
752	ok	0.84						
755	ok	0.74						
758	ok	0.75						
761	ok	1.25						
773	ok	1.25						
833	ok	1.34						
836	ok	1.34						
839	ok	0.86						
842	ok	0.46						
845	ok	0.23						
848	ok	0.22						
851	ok	0.31						
854	ok	0.47						
857	ok	0.75						
860	ok	1.25						
872	ok	1.25						
932	ok	1.47						
935	ok	1.47						
938	ok	0.86						
941	ok	0.46						
944	ok	0.39						
947	ok	0.43						
950	ok	0.43						
953	ok	0.47						
956	ok	0.75						
959	ok	1.15						
971	ok	1.15						
1031	ok	2.74						
1034	ok	2.74						
1037	ok	0.85						
1040	ok	0.46						
1043	ok	0.58						
1046	ok	0.60						
1049	ok	0.60						
1052	ok	0.50						
1055	ok	0.51						
1058	ok	0.83						
1070	ok	0.83						
1303	ok	2.74						
1324	ok	2.74						
1345	ok	0.85						
1366	ok	0.46						
1387	ok	0.58						
1408	ok	0.60						
1429	ok	0.60						
1450	ok	0.50						
1480	ok	0.28						
1483	ok	0.65						
1513	ok	0.65						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.74						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
12	30.00	5	3	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
541	ok	0.08	0.1	4.60e-02	5.7	5.7	5.7	5.7	-183.8	-40.6	-73.8	-1010.4	-53.8	-133.3
542	ok	0.08	0.2	2.64e-02	5.7	5.7	5.7	5.7	-84.4	-33.9	-31.7	-310.9	-101.3	-139.6
543	ok	0.08	0.5	3.23e-02	5.7	5.7	5.7	5.7	-109.7	-56.0	-62.6	448.4	80.1	-183.3
544	ok	0.08	0.7	3.89e-02	5.7	5.7	5.7	5.7	-127.1	-89.2	-71.2	2431.8	464.2	-39.0
545	ok	0.08	0.8	4.16e-02	5.7	5.7	5.7	5.7	-120.9	-88.8	-23.3	2996.2	573.7	-9.1
546	ok	0.08	0.9	4.21e-02	5.7	5.7	5.7	5.7	-113.9	-92.0	-31.7	3159.3	600.4	21.4
547	ok	0.08	0.9	4.17e-02	5.7	5.7	5.7	5.7	-106.8	-88.5	-37.8	3026.9	566.8	40.3
548	ok	0.08	0.8	4.04e-02	5.7	5.7	5.7	5.7	-103.4	-93.2	-90.4	2613.0	476.7	41.5
549	ok	0.08	0.6	3.79e-02	5.7	5.7	5.7	5.7	-80.9	-58.5	-51.7	1851.1	324.6	27.9
550	ok	0.08	0.3	3.21e-02	5.7	5.7	5.7	5.7	-47.2	-28.7	-58.4	748.1	126.2	-15.2
551	ok	0.08	8.84e-02	1.72e-02	5.7	5.7	5.7	5.7	-19.3	83.8	-14.9	-440.8	156.3	6.2
552	ok	0.08	0.2	1.85e-02	5.7	5.7	5.7	5.7	-50.4	11.3	3.5	-210.2	-49.3	-54.1
553	ok	0.08	0.3	2.27e-02	5.7	5.7	5.7	5.7	-75.1	-26.8	42.4	195.2	5.8	-99.8
554	ok	0.08	0.5	2.39e-02	5.7	5.7	5.7	5.7	-81.6	-44.4	36.1	441.4	64.3	-80.1
555	ok	0.08	0.6	2.43e-02	5.7	5.7	5.7	5.7	-80.5	-53.9	33.6	532.7	85.1	-43.5
556	ok	0.08	0.6	2.44e-02	5.7	5.7	5.7	5.7	-78.0	-58.1	33.1	533.4	84.3	-7.6
557	ok	0.08	0.6	2.43e-02	5.7	5.7	5.7	5.7	-61.4	-16.0	24.2	592.1	123.9	12.4
558	ok	0.08	0.5	2.37e-02	5.7	5.7	5.7	5.7	-62.2	-38.5	59.3	510.0	107.2	26.9
559	ok	0.08	0.4	2.21e-02	5.7	5.7	5.7	5.7	36.2	23.1	-50.9	-210.5	-49.8	-214.5
560	ok	0.08	0.3	1.92e-02	5.7	5.7	5.7	5.7	60.3	55.5	-53.6	-502.0	-6.7	-221.8
561	ok	0.08	9.75e-02	2.56e-02	5.7	5.7	5.7	5.7	-82.4	-38.5	54.8	-340.9	4.9	39.7
664	ok	0.08	0.4	2.78e-02	5.7	5.7	5.7	5.7	-60.2	-64.9	-8.9	414.7	2436.1	-184.2
665	ok	0.08	0.3	2.83e-02	5.7	5.7	5.7	5.7	-28.1	-71.2	38.0	10.1	786.0	372.6
666	ok	0.08	0.3	2.54e-02	5.7	5.7	5.7	5.7	-31.1	-63.3	39.0	-142.0	84.2	435.6
667	ok	0.08	0.3	2.88e-02	5.7	5.7	5.7	5.7	-90.2	-60.5	32.1	-77.9	-147.4	317.2
668	ok	0.08	0.2	3.28e-02	5.7	5.7	5.7	5.7	-106.6	-60.9	-44.3	233.7	-58.6	161.2
669	ok	0.08	0.1	3.51e-02	5.7	5.7	5.7	5.7	-103.6	-65.2	-57.2	268.2	-46.4	45.4
670	ok	0.08	0.1	3.63e-02	5.7	5.7	5.7	5.7	-96.1	-62.3	-67.7	222.9	-76.8	-84.7
671	ok	0.08	0.2	3.67e-02	5.7	5.7	5.7	5.7	-85.6	-57.6	-78.9	109.1	-135.3	-213.3
672	ok	0.08	0.3	3.63e-02	5.7	5.7	5.7	5.7	-72.4	-45.6	-78.9	-92.0	-193.3	-365.8
673	ok	0.08	0.3	3.44e-02	5.7	5.7	5.7	5.7	-44.0	-40.3	-86.0	-113.8	-114.2	-470.8
674	ok	0.08	0.5	3.15e-02	5.7	5.7	5.7	5.7	-23.1	-19.2	-80.3	191.9	854.7	21.8
675	ok	0.08	0.2	2.12e-02	5.7	5.7	5.7	5.7	-24.4	-19.4	-73.9	-75.7	72.8	434.4
676	ok	0.08	0.3	2.26e-02	5.7	5.7	5.7	5.7	-52.3	-1.7	45.8	-23.5	-42.7	-52.7
677	ok	0.08	0.3	2.29e-02	5.7	5.7	5.7	5.7	-63.5	-18.2	62.1	45.7	20.2	-77.6
678	ok	0.08	0.2	2.27e-02	5.7	5.7	5.7	5.7	-66.1	-22.6	57.8	93.2	52.3	-66.8
679	ok	0.08	0.1	2.23e-02	5.7	5.7	5.7	5.7	-65.6	-25.0	55.3	110.6	59.8	-40.8
680	ok	0.08	0.2	2.16e-02	5.7	5.7	5.7	5.7	-57.6	-19.5	42.1	98.6	50.0	-18.9
681	ok	0.08	0.2	2.04e-02	5.7	5.7	5.7	5.7	25.2	-15.3	-55.8	-415.5	-279.0	-366.1
682	ok	0.08	0.3	1.86e-02	5.7	5.7	5.7	5.7	37.9	-26.6	-50.4	-332.5	-114.6	-430.3
683	ok	0.08	0.3	1.94e-02	5.7	5.7	5.7	5.7	32.9	-34.8	-38.3	-109.0	456.6	-271.3
684	ok	0.08	0.3	1.83e-02	5.7	5.7	5.7	5.7	-20.7	-37.3	-13.7	209.9	1310.6	429.1
763	ok	0.08	0.6	3.24e-02	5.7	5.7	5.7	5.7	-81.6	-112.8	-2.4	816.8	4323.9	-151.0
764	ok	0.08	0.2	2.69e-02	5.7	5.7	5.7	5.7	-42.7	-108.7	19.7	172.6	1624.8	187.9
765	ok	0.08	0.4	2.51e-02	5.7	5.7	5.7	5.7	-25.0	-94.4	41.4	-71.2	443.3	217.9
766	ok	0.08	0.5	2.19e-02	5.7	5.7	5.7	5.7	-79.4	-38.3	-20.6	-705.0	-398.4	209.3
767	ok	0.08	0.5	2.45e-02	5.7	5.7	5.7	5.7	-90.1	-41.2	-42.4	-905.7	-440.2	132.7
768	ok	0.08	0.5	2.76e-02	5.7	5.7	5.7	5.7	-89.6	-43.8	-58.0	-978.6	-434.1	24.4
769	ok	0.08	0.5	2.98e-02	5.7	5.7	5.7	5.7	-83.7	-44.0	-65.3	-977.3	-456.9	-87.7
770	ok	0.08	0.5	3.13e-02	5.7	5.7	5.7	5.7	-73.7	-45.1	-78.5	-888.9	-494.8	-194.7
771	ok	0.08	0.4	3.20e-02	5.7	5.7	5.7	5.7	-58.6	-47.2	-89.2	-663.5	-440.9	-277.6
772	ok	0.08	0.2	3.17e-02	5.7	5.7	5.7	5.7	-38.2	-50.7	-98.2	-262.6	53.6	-229.9
773	ok	0.08	0.8	3.11e-02	5.7	5.7	5.7	5.7	-30.6	-53.9	-90.5	282.5	1533.6	-11.7
774	ok	0.08	0.2	2.10e-02	5.7	5.7	5.7	5.7	-22.1	-18.0	-71.1	-190.0	235.5	177.3
775	ok	0.08	0.3	1.99e-02	5.7	5.7	5.7	5.7	-16.9	-17.6	-69.7	-530.7	-291.3	193.4
776	ok	0.08	0.4	1.99e-02	5.7	5.7	5.7	5.7	-47.2	-18.2	50.0	-99.2	-17.4	-47.8
777	ok	0.08	0.4	1.95e-02	5.7	5.7	5.7	5.7	-56.0	-18.4	50.6	-98.5	28.2	-41.1
778	ok	0.08	0.4	1.88e-02	5.7	5.7	5.7	5.7	-56.4	-15.1	40.7	-94.2	41.2	-30.9
779	ok	0.08	0.4	1.78e-02	5.7	5.7	5.7	5.7	13.9	-31.2	-48.0	-844.7	-563.4	-154.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
780	ok	0.08	0.4	1.75e-02	5.7	5.7	5.7	5.7	21.5	-42.5	-43.1	-640.7	-455.1	-256.6
781	ok	0.08	0.4	1.85e-02	5.7	5.7	5.7	5.7	26.9	-58.4	-33.7	-291.5	-69.0	-275.5
782	ok	0.08	0.3	1.95e-02	5.7	5.7	5.7	5.7	2.5	-69.4	-31.8	365.6	954.1	232.7
783	ok	0.08	0.4	2.28e-02	5.7	5.7	5.7	5.7	-31.3	-73.6	-17.3	525.3	2358.9	313.7
862	ok	0.08	0.7	3.20e-02	5.7	5.7	5.7	5.7	-80.0	-120.9	0.1	955.0	4869.1	-46.5
863	ok	0.08	0.3	2.56e-02	5.7	5.7	5.7	5.7	-38.7	-109.4	29.2	494.2	1939.8	-95.3
864	ok	0.08	0.3	2.33e-02	5.7	5.7	5.7	5.7	-22.4	-99.8	21.3	103.2	612.8	-69.6
865	ok	0.08	0.5	1.96e-02	5.7	5.7	5.7	5.7	-55.1	-34.2	-32.0	-1491.6	-916.5	-17.8
866	ok	0.08	0.6	2.04e-02	5.7	5.7	5.7	5.7	-64.3	-33.6	-43.9	-1908.0	-1047.6	7.4
867	ok	0.08	0.7	2.29e-02	5.7	5.7	5.7	5.7	-60.0	-33.4	-55.5	-2080.8	-1064.0	-9.2
868	ok	0.08	0.6	2.54e-02	5.7	5.7	5.7	5.7	-65.0	-32.4	-63.4	-1113.9	-558.7	-19.5
869	ok	0.08	0.5	2.74e-02	5.7	5.7	5.7	5.7	-57.0	-37.2	-75.5	-957.3	-566.2	-17.4
870	ok	0.08	0.4	2.88e-02	5.7	5.7	5.7	5.7	-41.6	-42.7	-84.6	-658.0	-432.6	23.2
871	ok	0.08	0.1	2.94e-02	5.7	5.7	5.7	5.7	-33.0	-50.6	-81.1	-380.0	281.0	64.6
872	ok	0.08	0.9	3.03e-02	5.7	5.7	5.7	5.7	-36.0	-53.8	-81.4	522.4	3009.5	40.2
873	ok	0.08	0.1	2.12e-02	5.7	5.7	5.7	5.7	-22.9	-25.9	-68.7	-198.2	265.6	-49.4
874	ok	0.08	0.3	2.04e-02	5.7	5.7	5.7	5.7	-18.1	-28.4	-68.9	-570.3	-311.0	-53.5
875	ok	0.08	0.4	1.89e-02	5.7	5.7	5.7	5.7	-13.6	-30.1	-63.3	-845.7	-524.6	-36.1
876	ok	0.08	0.5	1.77e-02	5.7	5.7	5.7	5.7	-7.7	-32.6	-56.8	-991.9	-605.0	-19.0
877	ok	0.08	0.5	1.68e-02	5.7	5.7	5.7	5.7	-36.9	-21.5	38.0	-1000.6	-452.8	-34.9
878	ok	0.08	0.5	1.57e-02	5.7	5.7	5.7	5.7	11.0	-45.6	-36.6	-875.0	-630.7	8.0
879	ok	0.08	0.4	1.56e-02	5.7	5.7	5.7	5.7	16.1	-58.0	-27.1	-598.3	-486.2	6.2
880	ok	0.08	0.3	1.70e-02	5.7	5.7	5.7	5.7	12.0	-66.0	-32.9	376.3	381.6	54.5
881	ok	0.08	0.2	1.90e-02	5.7	5.7	5.7	5.7	-0.5	-77.3	-21.5	516.1	1200.0	89.5
882	ok	0.08	0.5	2.33e-02	5.7	5.7	5.7	5.7	-30.5	-83.1	-15.8	636.6	2699.3	53.0
961	ok	0.08	0.6	2.66e-02	5.7	5.7	5.7	5.7	-64.7	-97.3	37.3	822.2	4082.3	113.4
962	ok	0.08	0.3	2.08e-02	5.7	5.7	5.7	5.7	-29.3	-96.1	8.4	320.9	1767.4	-286.2
963	ok	0.08	0.3	1.91e-02	5.7	5.7	5.7	5.7	-39.5	-40.5	-19.6	-1448.6	-704.2	-975.8
964	ok	0.08	0.4	1.65e-02	5.7	5.7	5.7	5.7	-37.8	-39.5	-28.7	-2488.1	-1641.0	-794.3
965	ok	0.08	0.5	1.76e-02	5.7	5.7	5.7	5.7	-43.4	-24.5	-44.1	-1361.5	-817.3	-229.4
966	ok	0.08	0.5	1.98e-02	5.7	5.7	5.7	5.7	-44.7	-26.2	-53.0	-1480.5	-831.4	-52.6
967	ok	0.08	0.5	2.17e-02	5.7	5.7	5.7	5.7	-42.0	-30.8	-57.1	-1436.7	-837.6	127.1
968	ok	0.08	0.5	2.34e-02	5.7	5.7	5.7	5.7	-37.2	-37.1	-65.0	-1212.4	-807.4	303.0
969	ok	0.08	0.4	2.51e-02	5.7	5.7	5.7	5.7	-30.9	-44.9	-70.7	-801.4	-542.6	447.6
970	ok	0.08	0.2	2.66e-02	5.7	5.7	5.7	5.7	-27.2	-51.6	-79.1	-243.7	363.2	449.5
971	ok	0.08	0.8	2.83e-02	5.7	5.7	5.7	5.7	-33.7	-56.3	-85.8	426.6	2452.5	77.6
972	ok	0.08	0.2	2.14e-02	5.7	5.7	5.7	5.7	-20.6	-36.9	-64.9	-151.3	197.2	-252.0
973	ok	0.08	0.3	2.12e-02	5.7	5.7	5.7	5.7	-18.6	-40.4	-66.3	-411.1	-230.4	-270.1
974	ok	0.08	0.3	2.02e-02	5.7	5.7	5.7	5.7	-16.0	-42.3	-61.1	-593.6	-390.1	-187.0
975	ok	0.08	0.4	1.85e-02	5.7	5.7	5.7	5.7	-21.9	-43.8	-26.6	-2386.9	-1356.6	-308.1
976	ok	0.08	0.4	1.65e-02	5.7	5.7	5.7	5.7	-18.4	-44.3	-20.1	-2544.0	-1416.8	-53.9
977	ok	0.08	0.4	1.51e-02	5.7	5.7	5.7	5.7	-13.5	-44.6	-8.3	-2463.3	-1430.5	217.4
978	ok	0.08	0.4	1.44e-02	5.7	5.7	5.7	5.7	-19.9	-34.5	24.6	-2172.0	-1385.9	449.2
979	ok	0.08	0.3	1.45e-02	5.7	5.7	5.7	5.7	-16.6	-28.1	30.0	-1601.8	-1092.6	636.1
980	ok	0.08	0.2	1.60e-02	5.7	5.7	5.7	5.7	8.7	-66.3	-20.6	467.5	1030.4	-118.4
981	ok	0.08	0.4	2.01e-02	5.7	5.7	5.7	5.7	-25.2	-72.1	-38.9	558.5	2301.8	-244.3
1060	ok	0.08	0.4	1.69e-02	5.7	5.7	5.7	5.7	-38.3	-51.7	31.7	430.8	2249.7	169.5
1061	ok	0.08	0.3	1.36e-02	5.7	5.7	5.7	5.7	-28.9	-38.7	-8.7	-84.0	590.7	-1282.4
1062	ok	0.08	0.3	1.23e-02	5.7	5.7	5.7	5.7	-28.5	-24.3	-18.7	-419.3	-351.5	-1648.8
1063	ok	0.08	0.3	1.31e-02	5.7	5.7	5.7	5.7	-28.1	-34.0	-27.7	-747.7	-741.4	-1335.7
1064	ok	0.08	0.2	1.48e-02	5.7	5.7	5.7	5.7	-33.2	-30.7	-32.7	-800.2	-743.1	-717.8
1065	ok	0.08	0.1	1.65e-02	5.7	5.7	5.7	5.7	-35.4	-35.5	-33.1	-803.3	-741.5	-126.3
1066	ok	0.08	0.2	1.81e-02	5.7	5.7	5.7	5.7	-34.1	-41.6	-34.3	-800.0	-745.0	454.0
1067	ok	0.08	0.3	1.99e-02	5.7	5.7	5.7	5.7	-24.9	-34.9	-57.4	-122.0	-310.5	491.7
1068	ok	0.08	0.3	2.18e-02	5.7	5.7	5.7	5.7	-27.6	-49.6	-31.7	-447.1	-424.4	1163.6
1069	ok	0.08	0.2	2.38e-02	5.7	5.7	5.7	5.7	-23.8	-58.1	-37.6	-156.1	281.4	1090.5
1070	ok	0.08	0.4	2.73e-02	5.7	5.7	5.7	5.7	-21.0	-61.4	-80.4	237.4	1308.1	111.2
1071	ok	0.08	0.2	2.19e-02	5.7	5.7	5.7	5.7	-23.1	-80.2	31.1	83.3	88.5	-328.7
1072	ok	0.08	0.2	2.26e-02	5.7	5.7	5.7	5.7	-24.5	-64.9	-38.7	-321.4	-255.8	-1138.3
1073	ok	0.08	0.2	2.20e-02	5.7	5.7	5.7	5.7	-27.0	-67.7	-38.3	-430.5	-486.0	-897.4
1074	ok	0.08	0.1	2.05e-02	5.7	5.7	5.7	5.7	-27.7	-68.4	-30.8	-469.9	-526.2	-511.7
1075	ok	0.08	0.2	1.80e-02	5.7	5.7	5.7	5.7	-26.0	-66.4	-21.4	-500.8	-533.7	-107.8
1076	ok	0.08	0.1	1.50e-02	5.7	5.7	5.7	5.7	-21.5	-62.6	-6.0	-553.3	-556.4	337.5
1077	ok	0.08	0.2	1.37e-02	5.7	5.7	5.7	5.7	-15.6	-58.2	-0.4	-583.0	-596.8	756.9
1078	ok	0.08	0.3	1.26e-02	5.7	5.7	5.7	5.7	-24.0	-39.1	20.8	-431.7	-600.7	1095.4
1079	ok	0.08	0.2	1.31e-02	5.7	5.7	5.7	5.7	-20.3	-27.1	28.5	-213.3	-182.9	1171.5
1080	ok	0.08	0.3	1.32e-02	5.7	5.7	5.7	5.7	-10.9	-39.1	-34.0	296.1	1294.1	-389.8

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
1503	ok	0.08	6.52e-02	6.29e-03	5.7	5.7	5.7	5.7	-21.7	37.1	15.5	-127.4	247.6	28.5
1504	ok	0.08	0.2	6.45e-03	5.7	5.7	5.7	5.7	20.4	59.1	-0.5	-494.6	224.6	-93.9
1505	ok	0.08	0.3	9.44e-03	5.7	5.7	5.7	5.7	-22.0	-21.3	-17.6	1509.0	129.3	-729.9
1506	ok	0.08	0.5	9.74e-03	5.7	5.7	5.7	5.7	-14.9	51.4	-13.7	776.6	280.2	111.6
1507	ok	0.08	0.6	1.17e-02	5.7	5.7	5.7	5.7	-21.1	43.4	-13.2	911.1	220.4	57.5
1508	ok	0.08	0.6	1.34e-02	5.7	5.7	5.7	5.7	-33.5	-37.0	-25.3	3934.0	675.4	-48.5
1509	ok	0.08	0.6	1.46e-02	5.7	5.7	5.7	5.7	-32.8	-44.9	-27.4	3799.5	648.9	189.7
1510	ok	0.08	0.5	1.80e-02	5.7	5.7	5.7	5.7	-20.6	-75.8	16.4	1230.1	220.5	48.8
1511	ok	0.08	0.4	1.88e-02	5.7	5.7	5.7	5.7	-20.7	-71.1	-28.7	2087.4	251.2	633.1
1512	ok	0.08	0.2	2.70e-02	5.7	5.7	5.7	5.7	-18.4	-80.6	-36.8	813.2	229.0	473.8
1513	ok	0.08	7.85e-02	3.36e-02	5.7	5.7	5.7	5.7	-12.0	-157.2	-4.4	150.0	-224.4	24.5
1514	ok	0.08	0.2	2.41e-02	5.7	5.7	5.7	5.7	-11.5	-98.2	13.3	597.5	185.2	-58.3
1515	ok	0.08	0.3	2.49e-02	5.7	5.7	5.7	5.7	-18.2	-77.5	-62.0	977.5	184.5	-94.7
1516	ok	0.08	0.5	2.51e-02	5.7	5.7	5.7	5.7	-31.4	-103.1	-29.6	2879.5	485.5	-351.1
1517	ok	0.08	0.5	2.52e-02	5.7	5.7	5.7	5.7	-34.0	-105.4	-27.5	3371.2	578.1	-213.2
1518	ok	0.08	0.6	2.37e-02	5.7	5.7	5.7	5.7	-34.4	-100.2	-23.9	3528.1	614.5	-67.4
1519	ok	0.08	0.5	2.04e-02	5.7	5.7	5.7	5.7	-33.1	-86.3	-17.6	3356.7	595.7	83.6
1520	ok	0.08	0.5	1.64e-02	5.7	5.7	5.7	5.7	-30.1	-74.7	9.2	3053.5	508.8	221.5
1521	ok	0.08	0.3	1.78e-02	5.7	5.7	5.7	5.7	-20.7	-77.9	5.4	2038.1	170.8	379.6
1522	ok	0.08	0.2	1.19e-02	5.7	5.7	5.7	5.7	-20.2	-53.2	-9.5	933.8	59.5	460.3
1523	ok	0.08	7.36e-02	3.44e-03	5.7	5.7	5.7	5.7	-5.5	41.6	-15.7	-198.8	191.2	-93.9
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-183.79	-157.18	-98.19	-2544.00	-1641.01	-1648.75
		0.08	0.94	0.05	5.65	5.65	5.65	5.65	60.30	83.82	62.07	3933.98	4869.10	1171.46

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
541	ok	0.97						
542	ok	1.42						
543	ok	2.67						
544	ok	3.54						
545	ok	3.92						
546	ok	3.97						
547	ok	3.97						
548	ok	3.72						
549	ok	3.07						
550	ok	1.76						
551	ok	0.58						
552	ok	0.93						
553	ok	1.86						
554	ok	2.36						
555	ok	2.58						
556	ok	2.60						
557	ok	2.60						
558	ok	2.44						
559	ok	2.06						
560	ok	1.32						
561	ok	0.87						
664	ok	2.53						
665	ok	2.53						
666	ok	2.67						
667	ok	3.54						
668	ok	3.92						
669	ok	3.97						
670	ok	3.97						
671	ok	3.72						
672	ok	3.07						
673	ok	2.49						
674	ok	2.49						
675	ok	1.90						
676	ok	1.86						
677	ok	2.36						
678	ok	2.58						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
679	ok	2.60						
680	ok	2.60						
681	ok	2.44						
682	ok	2.06						
683	ok	1.60						
684	ok	1.60						
763	ok	3.34						
764	ok	3.34						
765	ok	2.18						
766	ok	1.83						
767	ok	2.10						
768	ok	2.14						
769	ok	2.14						
770	ok	1.96						
771	ok	1.83						
772	ok	3.41						
773	ok	3.41						
774	ok	2.56						
775	ok	1.46						
776	ok	1.29						
777	ok	1.44						
778	ok	1.46						
779	ok	1.46						
780	ok	1.35						
781	ok	1.27						
782	ok	2.21						
783	ok	2.21						
862	ok	3.34						
863	ok	3.34						
864	ok	2.18						
865	ok	1.30						
866	ok	0.80						
867	ok	0.66						
868	ok	0.71						
869	ok	1.02						
870	ok	1.83						
871	ok	3.41						
872	ok	3.41						
873	ok	2.56						
874	ok	1.46						
875	ok	0.83						
876	ok	0.57						
877	ok	0.51						
878	ok	0.51						
879	ok	0.72						
880	ok	1.27						
881	ok	2.21						
882	ok	2.21						
961	ok	3.20						
962	ok	3.20						
963	ok	2.13						
964	ok	1.53						
965	ok	1.76						
966	ok	1.79						
967	ok	1.79						
968	ok	1.64						
969	ok	1.82						
970	ok	3.28						
971	ok	3.28						
972	ok	2.51						
973	ok	1.44						
974	ok	1.28						
975	ok	1.43						
976	ok	1.45						
977	ok	1.45						
978	ok	1.33						
979	ok	1.27						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
980	ok	2.18						
981	ok	2.18						
1060	ok	2.31						
1061	ok	2.31						
1062	ok	1.74						
1063	ok	2.58						
1064	ok	2.89						
1065	ok	2.93						
1066	ok	2.93						
1067	ok	2.72						
1068	ok	2.10						
1069	ok	2.30						
1070	ok	2.30						
1071	ok	1.74						
1072	ok	1.76						
1073	ok	2.24						
1074	ok	2.46						
1075	ok	2.51						
1076	ok	2.51						
1077	ok	2.38						
1078	ok	1.94						
1079	ok	1.58						
1080	ok	1.58						
1503	ok	0.92						
1504	ok	0.92						
1505	ok	1.74						
1506	ok	2.58						
1507	ok	2.89						
1508	ok	2.93						
1509	ok	2.93						
1510	ok	2.72						
1511	ok	2.10						
1512	ok	0.96						
1513	ok	0.66						
1514	ok	0.94						
1515	ok	1.76						
1516	ok	2.24						
1517	ok	2.46						
1518	ok	2.51						
1519	ok	2.51						
1520	ok	2.38						
1521	ok	1.94						
1522	ok	1.05						
1523	ok	0.73						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.97						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	30.00	5	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.10	4.11e-02	1.23e-03	5.7	5.7	5.7	5.7	-0.9	0.2	8.13e-02	-138.6	-144.3	-106.6
2	ok	0.10	6.72e-02	1.93e-03	5.7	5.7	5.7	5.7	7.6	0.3	1.1	-368.8	68.8	-119.3
3	ok	0.10	3.98e-02	5.72e-04	5.7	5.7	5.7	5.7	24.8	7.61e-02	-0.3	-131.4	-27.0	76.3
4	ok	0.10	4.25e-02	1.38e-04	5.7	5.7	5.7	5.7	52.8	1.4	1.2	-206.4	-4.7	-54.7
5	ok	0.10	2.94e-02	1.04e-03	5.7	5.7	5.7	5.7	9.5	2.64e-02	-0.7	-87.3	-17.8	-117.6
6	ok	0.10	3.60e-02	1.16e-03	5.7	5.7	5.7	5.7	6.9	0.2	-0.3	-177.6	45.8	65.1

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
7	ok	0.10	2.24e-02	8.38e-04	5.7	5.7	5.7	5.7	-0.6	2.0	-4.4	-65.6	-61.7	42.7
8	ok	0.10	6.61e-02	1.16e-03	5.7	5.7	5.7	5.7	1.8	6.9	0.9	77.4	-359.9	-124.7
9	ok	0.10	0.1	5.29e-03	5.7	5.7	5.7	5.7	-4.6	2.6	-7.5	-661.9	-650.1	-236.3
10	ok	0.10	0.1	1.17e-02	5.7	5.7	5.7	5.7	29.9	10.4	15.0	37.6	746.8	206.0
11	ok	0.10	0.2	8.81e-03	5.7	5.7	5.7	5.7	46.1	16.8	-1.4	25.9	1034.9	-55.3
12	ok	0.10	0.2	5.43e-03	5.7	5.7	5.7	5.7	28.2	22.4	-13.2	102.8	882.1	-278.4
13	ok	0.10	8.64e-02	3.83e-03	5.7	5.7	5.7	5.7	-0.8	0.5	6.0	-388.4	-417.4	123.3
14	ok	0.10	4.47e-02	7.03e-04	5.7	5.7	5.7	5.7	0.4	18.9	-0.1	44.5	-256.5	28.8
15	ok	0.10	2.78e-02	7.23e-03	5.7	5.7	5.7	5.7	-1.4	-8.0	0.7	-30.1	-91.1	71.0
16	ok	0.10	0.1	8.16e-03	5.7	5.7	5.7	5.7	10.0	1.2	4.9	654.9	127.3	187.3
17	ok	0.10	0.2	6.90e-03	5.7	5.7	5.7	5.7	15.1	16.3	-4.0	-592.8	-578.8	290.8
18	ok	0.10	0.1	5.85e-03	5.7	5.7	5.7	5.7	18.7	-12.6	23.1	-594.2	-711.3	-133.0
19	ok	0.10	0.2	4.06e-03	5.7	5.7	5.7	5.7	18.0	19.9	9.0	-572.0	-612.9	-351.5
20	ok	0.10	0.1	6.42e-03	5.7	5.7	5.7	5.7	17.8	23.3	-11.3	753.3	92.6	-253.8
21	ok	0.10	3.53e-02	7.48e-04	5.7	5.7	5.7	5.7	-0.2	22.7	-2.6	-14.2	-180.9	-67.7
22	ok	0.10	2.07e-02	6.99e-03	5.7	5.7	5.7	5.7	0.9	13.2	0.9	-10.4	-73.6	-74.0
23	ok	0.10	0.1	9.21e-03	5.7	5.7	5.7	5.7	8.1	8.9	-4.1	835.8	97.3	-83.8
24	ok	0.10	0.1	4.73e-03	5.7	5.7	5.7	5.7	10.7	15.3	-1.6	-720.4	-724.7	-93.9
25	ok	0.10	0.2	3.75e-03	5.7	5.7	5.7	5.7	11.9	20.6	-1.1	-805.1	-1019.8	-59.9
26	ok	0.10	0.1	3.72e-03	5.7	5.7	5.7	5.7	15.9	16.4	3.1	-694.1	-776.1	-27.8
27	ok	0.10	0.2	7.17e-03	5.7	5.7	5.7	5.7	11.1	39.6	5.1	883.9	-3.1	-18.1
28	ok	0.10	3.21e-02	1.15e-04	5.7	5.7	5.7	5.7	-0.3	28.9	-0.3	-6.6	-164.7	-57.4
29	ok	0.10	3.79e-02	5.62e-03	5.7	5.7	5.7	5.7	1.4	12.9	1.2	-17.0	-183.9	-85.2
30	ok	0.10	0.1	1.03e-02	5.7	5.7	5.7	5.7	5.7	7.3	-8.2	586.9	72.3	-334.3
31	ok	0.10	0.2	6.16e-03	5.7	5.7	5.7	5.7	8.4	16.8	-1.2	-546.1	-577.8	-442.7
32	ok	0.10	0.1	3.63e-03	5.7	5.7	5.7	5.7	6.6	20.8	-1.0	-555.7	-722.7	-91.9
33	ok	0.10	0.2	5.37e-03	5.7	5.7	5.7	5.7	9.6	19.3	-5.0	-493.7	-616.9	316.6
34	ok	0.10	0.1	1.02e-02	5.7	5.7	5.7	5.7	4.6	24.2	16.3	608.8	37.6	218.9
35	ok	0.10	2.21e-02	2.93e-04	5.7	5.7	5.7	5.7	0.1	15.0	2.9	-11.0	-99.2	57.4
36	ok	0.10	6.19e-02	2.69e-03	5.7	5.7	5.7	5.7	0.8	5.1	-0.2	77.8	-348.1	97.0
37	ok	0.10	0.1	3.94e-03	5.7	5.7	5.7	5.7	-2.8	-1.3	6.0	-652.7	-620.7	162.4
38	ok	0.10	0.2	8.75e-03	5.7	5.7	5.7	5.7	8.2	13.2	-7.5	134.3	938.9	-305.3
39	ok	0.10	0.2	7.18e-03	5.7	5.7	5.7	5.7	8.5	18.8	-2.3	186.3	1271.3	-61.4
40	ok	0.10	0.2	8.05e-03	5.7	5.7	5.7	5.7	-5.8	22.0	6.5	255.8	1063.2	177.7
41	ok	0.10	7.43e-02	5.77e-03	5.7	5.7	5.7	5.7	5.1	-2.0	0.3	-345.4	-354.4	-96.2
42	ok	0.10	3.24e-02	1.31e-03	5.7	5.7	5.7	5.7	-1.3	12.6	-1.1	37.5	-184.5	-16.8
43	ok	0.10	3.67e-02	1.64e-03	5.7	5.7	5.7	5.7	-0.5	-1.1	0.7	-124.1	-131.8	93.8
44	ok	0.10	6.63e-02	1.34e-03	5.7	5.7	5.7	5.7	7.8	9.82e-02	3.74e-02	-370.5	69.9	103.4
45	ok	0.10	2.85e-02	4.76e-03	5.7	5.7	5.7	5.7	9.7	-0.3	-0.7	-94.2	-26.9	-85.7
46	ok	0.10	1.54e-02	5.44e-03	5.7	5.7	5.7	5.7	-0.9	9.43e-02	-2.7	18.1	-9.2	-65.8
47	ok	0.10	1.89e-02	5.87e-03	5.7	5.7	5.7	5.7	-20.1	-0.8	1.5	-13.4	-19.8	83.3
48	ok	0.10	3.28e-02	1.32e-03	5.7	5.7	5.7	5.7	6.2	1.8	-0.2	-188.6	43.3	-39.8
49	ok	0.10	1.92e-02	7.83e-04	5.7	5.7	5.7	5.7	0.6	-1.0	0.3	-72.9	-71.6	-43.2
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-20.09	-12.56	-13.16	-805.09	-1019.82	-442.74
		0.10	0.22	0.01	5.65	5.65	5.65	5.65	52.78	39.57	23.07	883.88	1271.30	316.59

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
1	ok	0.55						
2	ok	0.55						
3	ok	0.24						
4	ok	0.17						
5	ok	0.26						
6	ok	0.30						
7	ok	0.30						
8	ok	0.55						
9	ok	0.55						
10	ok	1.00						
11	ok	1.04						
12	ok	1.04						
13	ok	0.38						
14	ok	0.30						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
15	ok	0.30						
16	ok	0.88						
17	ok	1.00						
18	ok	1.04						
19	ok	1.04						
20	ok	0.89						
21	ok	0.17						
22	ok	0.22						
23	ok	0.88						
24	ok	0.88						
25	ok	0.39						
26	ok	0.89						
27	ok	0.89						
28	ok	0.13						
29	ok	0.32						
30	ok	0.85						
31	ok	1.14						
32	ok	1.19						
33	ok	1.19						
34	ok	0.84						
35	ok	0.14						
36	ok	0.51						
37	ok	0.51						
38	ok	1.14						
39	ok	1.19						
40	ok	1.19						
41	ok	0.43						
42	ok	0.26						
43	ok	0.51						
44	ok	0.51						
45	ok	0.31						
46	ok	0.23						
47	ok	0.22						
48	ok	0.26						
49	ok	0.26						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.19						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	30.00	5	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
66	ok	0.10	0.1	3.82e-03	5.7	5.7	5.7	5.7	0.3	-6.9	-4.9	-373.4	-388.2	-232.4
67	ok	0.10	0.2	7.92e-04	5.7	5.7	5.7	5.7	26.4	14.6	5.4	-909.6	293.2	177.8
68	ok	0.10	0.2	3.09e-03	5.7	5.7	5.7	5.7	11.7	1.0	-3.6	-800.6	35.8	288.9
69	ok	0.10	9.88e-02	9.54e-03	5.7	5.7	5.7	5.7	-19.4	4.4	-8.0	-158.6	-30.5	498.1
70	ok	0.10	8.58e-02	1.50e-02	5.7	5.7	5.7	5.7	-48.6	3.3	-8.2	94.8	-28.0	515.2
71	ok	0.10	6.92e-02	1.96e-02	5.7	5.7	5.7	5.7	-52.6	2.5	-9.0	138.6	-21.1	382.8
72	ok	0.10	5.00e-02	2.33e-02	5.7	5.7	5.7	5.7	-36.8	3.0	-9.3	135.7	-23.0	246.1
73	ok	0.10	4.55e-02	2.59e-02	5.7	5.7	5.7	5.7	-51.1	0.2	1.1	59.1	-13.8	-265.5
74	ok	0.10	4.96e-02	2.76e-02	5.7	5.7	5.7	5.7	-55.6	0.2	1.1	26.1	-3.5	-305.0
75	ok	0.10	5.36e-02	2.86e-02	5.7	5.7	5.7	5.7	-60.4	0.2	1.2	11.7	5.3	-334.4
76	ok	0.10	5.44e-02	2.93e-02	5.7	5.7	5.7	5.7	-44.5	0.3	1.4	-11.2	5.7	-339.0
77	ok	0.10	4.82e-02	2.94e-02	5.7	5.7	5.7	5.7	-66.7	0.3	1.3	7.3	6.9	-303.4
78	ok	0.10	4.42e-02	2.95e-02	5.7	5.7	5.7	5.7	-53.2	0.3	1.4	-19.7	11.8	-275.9
79	ok	0.10	3.89e-02	2.94e-02	5.7	5.7	5.7	5.7	-54.8	0.3	1.3	-24.7	10.7	-240.0
80	ok	0.10	3.54e-02	2.90e-02	5.7	5.7	5.7	5.7	-55.2	0.3	1.2	-26.5	10.8	-201.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
81	ok	0.10	3.64e-02	2.82e-02	5.7	5.7	5.7	5.7	-56.2	-0.2	-0.3	-0.4	4.8	218.1
82	ok	0.10	4.15e-02	2.69e-02	5.7	5.7	5.7	5.7	-61.1	-0.3	-0.4	1.5	6.4	261.4
83	ok	0.10	4.57e-02	2.48e-02	5.7	5.7	5.7	5.7	-0.7	3.2	6.1	79.5	-10.0	-233.8
84	ok	0.10	5.43e-02	2.16e-02	5.7	5.7	5.7	5.7	-3.9	2.9	5.6	83.3	-16.1	-285.1
85	ok	0.10	5.92e-02	1.62e-02	5.7	5.7	5.7	5.7	-0.5	3.9	9.3	14.3	-13.6	-343.0
86	ok	0.10	8.00e-02	7.63e-03	5.7	5.7	5.7	5.7	16.7	1.0	1.0	-318.1	-2.6	-265.6
87	ok	0.10	0.1	1.82e-03	5.7	5.7	5.7	5.7	12.8	0.8	8.6	-723.5	234.1	285.3
88	ok	0.10	9.46e-02	4.46e-03	5.7	5.7	5.7	5.7	-4.2	-7.8	13.6	-359.4	-362.3	232.1
89	ok	0.10	0.2	2.01e-03	5.7	5.7	5.7	5.7	7.9	32.0	6.6	276.1	-868.8	161.5
90	ok	0.10	0.4	1.15e-02	5.7	5.7	5.7	5.7	28.4	-39.2	-1.3	-1744.1	-2209.8	-382.1
91	ok	0.10	0.3	8.28e-03	5.7	5.7	5.7	5.7	-2.5	10.3	34.4	-576.3	-1597.1	748.0
92	ok	0.10	0.3	1.07e-02	5.7	5.7	5.7	5.7	-16.4	-25.9	10.2	-402.3	-1680.7	916.7
93	ok	0.10	0.4	1.27e-02	5.7	5.7	5.7	5.7	-34.1	-52.7	-6.9	-442.5	-2149.5	838.3
94	ok	0.10	0.4	1.91e-02	5.7	5.7	5.7	5.7	-38.1	-66.2	-26.2	-518.6	-2497.9	613.5
95	ok	0.10	0.4	2.34e-02	5.7	5.7	5.7	5.7	-32.2	-74.0	-41.5	-577.5	-2760.0	357.6
96	ok	0.10	0.4	2.51e-02	5.7	5.7	5.7	5.7	-22.1	-79.1	-47.2	-636.8	-3037.9	109.9
97	ok	0.10	0.5	2.52e-02	5.7	5.7	5.7	5.7	-12.9	-81.3	-25.9	-709.7	-3427.6	-127.5
98	ok	0.10	0.6	2.80e-02	5.7	5.7	5.7	5.7	-9.2	-81.3	-18.9	-782.6	-3895.9	-249.8
99	ok	0.10	0.6	2.96e-02	5.7	5.7	5.7	5.7	-8.9	-80.8	-12.5	-856.5	-4334.2	-285.0
100	ok	0.10	0.7	3.05e-02	5.7	5.7	5.7	5.7	-9.7	-80.8	-8.1	-928.7	-4672.4	-266.3
101	ok	0.10	0.7	3.05e-02	5.7	5.7	5.7	5.7	-11.3	-81.4	-4.6	-961.1	-4881.9	-232.1
102	ok	0.10	0.7	2.99e-02	5.7	5.7	5.7	5.7	-12.4	-81.9	-1.5	-978.3	-4973.4	-193.3
103	ok	0.10	0.7	2.89e-02	5.7	5.7	5.7	5.7	-25.4	-82.1	-17.7	-973.4	-4948.2	-197.6
104	ok	0.10	0.7	2.76e-02	5.7	5.7	5.7	5.7	-23.4	-82.0	-14.5	-956.4	-4849.9	-200.7
105	ok	0.10	0.7	2.61e-02	5.7	5.7	5.7	5.7	-16.7	-81.2	-15.4	-921.3	-4656.7	-266.3
106	ok	0.10	0.6	2.44e-02	5.7	5.7	5.7	5.7	-14.7	-78.5	-12.0	-854.1	-4323.5	-334.3
107	ok	0.10	0.6	2.20e-02	5.7	5.7	5.7	5.7	-10.9	-71.3	-8.7	-742.4	-3758.2	-416.9
108	ok	0.10	0.4	1.85e-02	5.7	5.7	5.7	5.7	-4.3	-55.0	-5.8	-586.7	-2893.1	-487.0
109	ok	0.10	0.3	1.35e-02	5.7	5.7	5.7	5.7	4.5	-20.1	-2.8	-423.3	-1771.6	-459.2
110	ok	0.10	0.4	1.13e-02	5.7	5.7	5.7	5.7	-22.6	-36.9	21.9	-1598.9	-1529.5	653.6
111	ok	0.10	0.1	1.77e-03	5.7	5.7	5.7	5.7	-2.1	11.9	8.5	232.1	-591.9	203.6
112	ok	0.10	0.1	7.01e-04	5.7	5.7	5.7	5.7	1.9	35.6	-2.5	-27.6	-675.5	74.7
113	ok	0.10	0.3	5.36e-03	5.7	5.7	5.7	5.7	-5.9	26.2	6.4	-1731.6	-476.9	738.1
114	ok	0.10	0.2	8.70e-03	5.7	5.7	5.7	5.7	-10.4	27.1	13.0	-519.3	-28.1	792.1
115	ok	0.10	0.2	1.09e-02	5.7	5.7	5.7	5.7	-4.9	-3.5	28.8	-265.8	-570.8	835.9
116	ok	0.10	0.2	1.14e-02	5.7	5.7	5.7	5.7	-8.4	-27.5	0.7	-433.0	-1059.9	671.4
117	ok	0.10	0.3	1.52e-02	5.7	5.7	5.7	5.7	-13.9	-42.5	-25.7	-556.6	-1445.3	463.2
118	ok	0.10	0.3	2.18e-02	5.7	5.7	5.7	5.7	-11.7	-57.3	-46.8	-617.5	-1683.9	240.3
119	ok	0.10	0.3	2.55e-02	5.7	5.7	5.7	5.7	-7.1	-74.5	-46.2	-655.7	-1815.0	-27.9
120	ok	0.10	0.3	2.58e-02	5.7	5.7	5.7	5.7	-2.1	-82.7	-38.1	-613.1	-1978.2	-289.5
121	ok	0.10	0.3	2.69e-02	5.7	5.7	5.7	5.7	-20.6	-79.0	-37.4	-513.2	-2148.6	-463.3
122	ok	0.10	0.3	2.86e-02	5.7	5.7	5.7	5.7	-21.3	-75.9	-33.4	-455.6	-2337.3	-475.0
123	ok	0.10	0.4	2.94e-02	5.7	5.7	5.7	5.7	-21.1	-74.4	-39.6	-454.4	-2487.3	-417.2
124	ok	0.10	0.4	2.98e-02	5.7	5.7	5.7	5.7	-19.9	-75.5	-30.8	-447.2	-2558.7	-339.5
125	ok	0.10	0.4	2.98e-02	5.7	5.7	5.7	5.7	-18.4	-75.8	-29.0	-444.5	-2573.4	-258.7
126	ok	0.10	0.4	2.93e-02	5.7	5.7	5.7	5.7	-16.5	-76.2	-26.7	-458.4	-2548.0	-189.4
127	ok	0.10	0.4	2.84e-02	5.7	5.7	5.7	5.7	-14.0	-76.4	-24.2	-478.6	-2475.3	-143.4
128	ok	0.10	0.3	2.73e-02	5.7	5.7	5.7	5.7	-11.7	-83.6	-16.3	-473.4	-2321.9	-126.7
129	ok	0.10	0.3	2.60e-02	5.7	5.7	5.7	5.7	-6.5	-72.2	-18.8	-428.0	-2080.0	-104.5
130	ok	0.10	0.3	2.42e-02	5.7	5.7	5.7	5.7	-3.8	-73.7	-32.5	-360.2	-1716.9	-90.5
131	ok	0.10	0.2	2.19e-02	5.7	5.7	5.7	5.7	3.9	-47.4	-21.9	-279.8	-1263.8	-36.0
132	ok	0.10	0.1	1.87e-02	5.7	5.7	5.7	5.7	8.1	-8.6	-6.4	-324.1	-658.3	-90.1
133	ok	0.10	0.3	1.41e-02	5.7	5.7	5.7	5.7	-7.1	4.3	-14.6	-1850.3	-431.2	-343.7
134	ok	0.10	7.89e-02	3.58e-03	5.7	5.7	5.7	5.7	-6.1	-3.5	7.9	-41.7	-186.8	339.7
135	ok	0.10	9.52e-02	1.20e-03	5.7	5.7	5.7	5.7	2.2	58.2	-7.1	-14.3	-88.9	472.1
136	ok	0.10	0.4	1.42e-02	5.7	5.7	5.7	5.7	-48.0	30.9	18.5	-2052.3	-436.7	903.0
137	ok	0.10	0.2	1.54e-02	5.7	5.7	5.7	5.7	-54.9	29.3	17.5	-953.6	-177.3	825.1
138	ok	0.10	0.2	1.57e-02	5.7	5.7	5.7	5.7	-53.4	21.3	23.5	-635.1	-197.8	616.6
139	ok	0.10	0.2	1.76e-02	5.7	5.7	5.7	5.7	-23.0	0.4	9.4	-615.4	-803.3	398.6
140	ok	0.10	0.2	1.94e-02	5.7	5.7	5.7	5.7	-32.2	-12.6	-14.0	-654.1	-1179.3	277.1
141	ok	0.10	0.2	2.09e-02	5.7	5.7	5.7	5.7	-34.4	-37.0	-43.7	-755.4	-1272.2	166.6
142	ok	0.10	0.2	2.51e-02	5.7	5.7	5.7	5.7	-26.6	-67.8	-53.3	-821.4	-1214.0	-103.5
143	ok	0.10	0.2	2.54e-02	5.7	5.7	5.7	5.7	-23.2	-82.1	-52.9	-681.8	-1214.4	-397.4
144	ok	0.10	0.3	2.43e-02	5.7	5.7	5.7	5.7	-26.5	-77.3	-43.2	-385.0	-1233.5	-552.7
145	ok	0.10	0.3	2.53e-02	5.7	5.7	5.7	5.7	-34.5	-0.8	-34.3	451.5	1022.5	-688.3
146	ok	0.10	0.2	2.60e-02	5.7	5.7	5.7	5.7	-35.3	-2.9	-34.6	517.1	1011.2	-521.4
147	ok	0.10	0.2	2.64e-02	5.7	5.7	5.7	5.7	-37.7	-4.7	-35.3	529.7	1001.5	-357.7

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
148	ok	0.10	0.2	2.66e-02	5.7	5.7	5.7	5.7	-38.2	-6.1	-35.3	505.8	989.6	-205.7
149	ok	0.10	0.2	2.63e-02	5.7	5.7	5.7	5.7	-37.8	-7.3	-35.0	450.7	960.8	-86.1
150	ok	0.10	0.2	2.57e-02	5.7	5.7	5.7	5.7	-69.6	-26.3	-37.9	360.1	896.9	-88.1
151	ok	0.10	0.1	2.49e-02	5.7	5.7	5.7	5.7	-33.8	-9.6	-34.2	389.7	873.7	94.4
152	ok	0.10	0.1	2.39e-02	5.7	5.7	5.7	5.7	-65.8	-29.2	-35.6	500.9	910.4	86.4
153	ok	0.10	0.2	2.26e-02	5.7	5.7	5.7	5.7	-48.0	-26.4	-50.0	630.7	880.6	223.2
154	ok	0.10	0.2	2.09e-02	5.7	5.7	5.7	5.7	-37.1	-24.2	-56.5	661.4	734.9	384.5
155	ok	0.10	0.1	1.87e-02	5.7	5.7	5.7	5.7	-40.9	9.5	-29.4	-914.6	-244.5	31.7
156	ok	0.10	0.4	1.71e-02	5.7	5.7	5.7	5.7	-43.5	1.8	-22.3	-2809.6	-578.4	-436.1
157	ok	0.10	5.96e-02	6.10e-03	5.7	5.7	5.7	5.7	-6.0	-17.6	7.4	-11.4	14.9	281.3
158	ok	0.10	8.07e-02	6.93e-03	5.7	5.7	5.7	5.7	4.6	53.8	8.2	-37.5	146.0	293.0
159	ok	0.10	0.3	2.12e-02	5.7	5.7	5.7	5.7	-77.3	39.6	34.3	-2097.5	-454.4	830.2
160	ok	0.10	0.3	2.30e-02	5.7	5.7	5.7	5.7	-88.8	32.3	29.0	-1348.5	-447.9	795.3
161	ok	0.10	0.2	2.30e-02	5.7	5.7	5.7	5.7	-92.0	26.3	27.8	-1170.7	-684.0	456.9
162	ok	0.10	0.2	2.47e-02	5.7	5.7	5.7	5.7	-25.9	22.2	18.3	-810.8	-1120.4	57.4
163	ok	0.10	0.3	2.45e-02	5.7	5.7	5.7	5.7	-39.6	19.0	-4.6	-681.3	-1493.9	150.4
164	ok	0.10	0.3	2.46e-02	5.7	5.7	5.7	5.7	-49.1	-13.4	-48.2	-936.0	-1519.9	256.1
165	ok	0.10	0.2	2.71e-02	5.7	5.7	5.7	5.7	-36.0	-73.2	-64.7	-1237.5	-1295.6	15.0
166	ok	0.10	0.2	2.64e-02	5.7	5.7	5.7	5.7	-29.0	-93.7	-47.7	-961.0	-1043.8	-421.3
167	ok	0.10	0.2	2.34e-02	5.7	5.7	5.7	5.7	-36.9	-72.9	-41.0	-321.0	-886.1	-531.9
168	ok	0.10	0.2	2.33e-02	5.7	5.7	5.7	5.7	-24.0	1.70e-02	-32.4	547.5	919.1	-648.9
169	ok	0.10	0.2	2.35e-02	5.7	5.7	5.7	5.7	-26.1	-2.3	-33.3	684.4	1086.1	-494.5
170	ok	0.10	0.2	2.39e-02	5.7	5.7	5.7	5.7	-27.5	-4.2	-34.1	713.7	1167.8	-346.6
171	ok	0.10	0.2	2.42e-02	5.7	5.7	5.7	5.7	-28.1	-5.8	-34.8	666.9	1177.9	-214.9
172	ok	0.10	0.2	2.41e-02	5.7	5.7	5.7	5.7	-28.0	-7.3	-35.2	581.5	1146.6	-110.5
173	ok	0.10	0.2	2.38e-02	5.7	5.7	5.7	5.7	-24.5	-8.3	-38.4	501.7	1086.8	-55.2
174	ok	0.10	0.2	2.33e-02	5.7	5.7	5.7	5.7	-25.5	-9.0	-36.3	501.0	1037.1	55.8
175	ok	0.10	0.2	2.26e-02	5.7	5.7	5.7	5.7	-20.8	-9.6	-39.5	603.6	1001.9	102.0
176	ok	0.10	0.2	2.16e-02	5.7	5.7	5.7	5.7	-41.2	-28.0	-51.9	769.4	958.4	141.3
177	ok	0.10	0.1	2.05e-02	5.7	5.7	5.7	5.7	-33.6	-26.1	-58.9	767.3	767.4	225.1
178	ok	0.10	0.2	2.02e-02	5.7	5.7	5.7	5.7	-57.1	8.8	-31.9	-1282.0	-319.4	7.0
179	ok	0.10	0.5	1.91e-02	5.7	5.7	5.7	5.7	-62.9	-0.6	-25.8	-3574.1	-721.2	-429.7
180	ok	0.10	4.61e-02	8.91e-03	5.7	5.7	5.7	5.7	-0.7	-3.6	6.69e-03	10.9	-25.3	245.8
181	ok	0.10	6.16e-02	1.47e-02	5.7	5.7	5.7	5.7	5.5	20.0	11.1	-67.5	221.3	146.5
182	ok	0.10	0.3	2.93e-02	5.7	5.7	5.7	5.7	-97.5	48.4	85.6	-1843.6	-496.7	519.3
183	ok	0.10	0.3	3.43e-02	5.7	5.7	5.7	5.7	-118.3	62.8	68.2	-1880.0	-1098.3	649.5
184	ok	0.10	0.3	3.41e-02	5.7	5.7	5.7	5.7	-128.9	41.8	42.7	-2157.5	-1250.1	223.3
185	ok	0.10	0.4	3.72e-02	5.7	5.7	5.7	5.7	-156.5	27.4	31.8	-802.1	-2143.2	-199.7
186	ok	0.10	0.3	3.01e-02	5.7	5.7	5.7	5.7	-132.4	25.8	16.6	-610.4	-1887.6	144.2
187	ok	0.10	0.4	3.41e-02	5.7	5.7	5.7	5.7	-62.0	28.5	-12.3	-824.4	-2256.8	685.8
188	ok	0.10	0.4	3.74e-02	5.7	5.7	5.7	5.7	-48.4	21.9	-40.9	-2231.2	-1705.4	356.0
189	ok	0.10	0.3	2.79e-02	5.7	5.7	5.7	5.7	-15.7	7.9	-47.2	-1256.0	-1378.2	-449.3
190	ok	0.10	0.1	2.37e-02	5.7	5.7	5.7	5.7	-47.3	-64.5	-47.0	-293.2	-871.7	-323.3
191	ok	0.10	0.2	2.26e-02	5.7	5.7	5.7	5.7	-14.5	0.3	-30.0	599.8	606.4	-489.0
192	ok	0.10	0.2	2.24e-02	5.7	5.7	5.7	5.7	-17.3	-1.1	-31.3	769.9	895.2	-395.2
193	ok	0.10	0.2	2.25e-02	5.7	5.7	5.7	5.7	-19.0	-3.0	-32.7	804.1	1022.5	-303.9
194	ok	0.10	0.2	2.25e-02	5.7	5.7	5.7	5.7	-19.9	-4.8	-33.9	747.8	1045.5	-212.1
195	ok	0.10	0.2	2.23e-02	5.7	5.7	5.7	5.7	-20.2	-6.4	-35.0	637.5	1001.7	-130.2
196	ok	0.10	0.2	2.22e-02	5.7	5.7	5.7	5.7	-20.1	-7.5	-35.9	546.4	939.3	-58.8
197	ok	0.10	0.1	2.20e-02	5.7	5.7	5.7	5.7	-17.6	-8.7	-39.5	540.9	881.6	-18.9
198	ok	0.10	0.1	2.15e-02	5.7	5.7	5.7	5.7	-16.7	-8.5	-40.7	638.4	837.2	45.2
199	ok	0.10	0.1	2.09e-02	5.7	5.7	5.7	5.7	-36.0	-29.1	-52.3	795.3	791.2	50.9
200	ok	0.10	0.1	2.01e-02	5.7	5.7	5.7	5.7	-30.0	-28.1	-59.7	771.7	626.7	73.5
201	ok	0.10	0.2	2.12e-02	5.7	5.7	5.7	5.7	-74.1	2.8	-49.5	-1590.0	-330.0	-75.5
202	ok	0.10	0.6	2.02e-02	5.7	5.7	5.7	5.7	-72.2	-1.9	-28.0	-4103.2	-821.2	-383.0
203	ok	0.10	4.16e-02	1.07e-02	5.7	5.7	5.7	5.7	-0.6	-5.2	5.44e-02	10.3	-30.2	208.9
204	ok	0.10	0.4	3.94e-02	5.7	5.7	5.7	5.7	-109.1	61.1	94.2	-1850.5	-1568.0	112.2
205	ok	0.10	0.8	6.47e-02	5.7	5.7	5.7	5.7	-154.9	91.6	115.6	-3530.7	-2956.2	117.1
206	ok	0.10	0.3	3.67e-02	5.7	5.7	5.7	5.7	-154.6	27.3	17.0	-706.5	-1812.4	3.8
207	ok	0.10	0.3	3.24e-02	5.7	5.7	5.7	5.7	-137.6	36.0	19.0	-550.1	-1879.8	29.0
208	ok	0.10	0.4	3.10e-02	5.7	5.7	5.7	5.7	-142.8	24.2	6.6	-757.9	-2131.3	58.4
209	ok	0.10	0.9	7.42e-02	5.7	5.7	5.7	5.7	-116.3	53.0	-70.1	-3311.4	-4113.1	495.3
210	ok	0.10	0.4	3.22e-02	5.7	5.7	5.7	5.7	-4.6	-9.5	-43.5	-1446.9	-1749.9	250.8
211	ok	0.10	3.70e-02	1.94e-02	5.7	5.7	5.7	5.7	2.2	-58.7	13.6	-65.3	216.8	-29.3
212	ok	0.10	0.3	3.19e-02	5.7	5.7	5.7	5.7	13.8	-17.6	-11.3	2029.1	294.3	-7.76e-02
213	ok	0.10	0.1	2.43e-02	5.7	5.7	5.7	5.7	-43.0	-68.7	-50.6	-426.0	-849.2	-26.1
214	ok	0.10	0.1	2.20e-02	5.7	5.7	5.7	5.7	-5.9	1.8	-26.7	566.3	313.5	-242.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
215	ok	0.10	0.2	2.11e-02	5.7	5.7	5.7	5.7	-9.4	0.7	-29.0	770.9	671.7	-259.1
216	ok	0.10	0.2	2.13e-02	5.7	5.7	5.7	5.7	-11.5	-1.3	-31.1	822.6	813.3	-251.9
217	ok	0.10	0.2	2.15e-02	5.7	5.7	5.7	5.7	-12.8	-3.4	-32.9	775.0	828.8	-213.7
218	ok	0.10	0.2	2.13e-02	5.7	5.7	5.7	5.7	-13.5	-5.2	-34.5	660.5	774.2	-156.8
219	ok	0.10	0.1	2.10e-02	5.7	5.7	5.7	5.7	-13.9	-6.3	-35.9	558.3	706.6	-96.4
220	ok	0.10	0.1	2.09e-02	5.7	5.7	5.7	5.7	-13.6	-7.1	-37.3	541.4	652.8	-42.0
221	ok	0.10	0.1	2.07e-02	5.7	5.7	5.7	5.7	-41.3	-34.0	-36.2	631.1	627.6	-32.2
222	ok	0.10	0.1	2.02e-02	5.7	5.7	5.7	5.7	-37.5	-33.0	-43.3	770.8	593.4	-24.7
223	ok	0.10	0.1	1.96e-02	5.7	5.7	5.7	5.7	-26.0	-30.4	-59.7	731.3	471.4	-41.9
224	ok	0.10	0.3	2.20e-02	5.7	5.7	5.7	5.7	-77.8	1.0	-50.0	-1830.2	-396.8	-118.2
225	ok	0.10	0.6	2.12e-02	5.7	5.7	5.7	5.7	-76.5	-1.6	-30.0	-4431.1	-890.2	-326.5
226	ok	0.10	3.50e-02	1.15e-02	5.7	5.7	5.7	5.7	-0.5	-4.7	2.63e-02	9.9	-47.4	182.0
227	ok	0.10	4.01e-02	2.92e-02	5.7	5.7	5.7	5.7	-0.8	-135.6	10.3	-30.0	168.7	-200.5
228	ok	0.10	0.3	2.20e-02	5.7	5.7	5.7	5.7	-47.3	20.7	59.3	-1864.2	-416.6	-333.4
229	ok	0.10	0.5	8.21e-03	5.7	5.7	5.7	5.7	41.4	15.9	40.1	-2110.9	-515.8	-729.5
230	ok	0.10	0.4	4.21e-03	5.7	5.7	5.7	5.7	31.6	125.6	1.17e-02	-2088.1	-534.6	-121.2
231	ok	0.10	0.4	3.06e-02	5.7	5.7	5.7	5.7	19.7	-18.6	-9.6	-2153.6	-807.0	205.3
232	ok	0.10	0.5	3.79e-02	5.7	5.7	5.7	5.7	16.1	-27.6	-29.7	-2137.9	-1211.8	952.7
233	ok	0.10	0.2	2.43e-02	5.7	5.7	5.7	5.7	1.1	3.7	-28.0	-584.8	-731.8	367.7
234	ok	0.10	6.62e-02	2.18e-02	5.7	5.7	5.7	5.7	-28.6	-60.1	-55.6	146.1	-312.0	113.0
235	ok	0.10	0.1	2.05e-02	5.7	5.7	5.7	5.7	-2.1	3.4	-26.6	658.7	490.4	-104.8
236	ok	0.10	0.2	2.00e-02	5.7	5.7	5.7	5.7	-4.7	1.0	-29.1	769.8	631.6	-205.4
237	ok	0.10	0.2	2.04e-02	5.7	5.7	5.7	5.7	-6.5	-1.4	-31.6	768.8	628.8	-227.3
238	ok	0.10	0.1	2.05e-02	5.7	5.7	5.7	5.7	-7.7	-3.1	-33.8	675.1	568.8	-192.0
239	ok	0.10	0.1	2.04e-02	5.7	5.7	5.7	5.7	-8.3	-4.7	-35.6	582.9	505.3	-128.6
240	ok	0.10	0.1	2.00e-02	5.7	5.7	5.7	5.7	-8.6	-5.7	-37.2	555.1	466.0	-71.5
241	ok	0.10	0.1	1.98e-02	5.7	5.7	5.7	5.7	-9.1	-7.0	-40.2	623.1	450.1	-40.5
242	ok	0.10	0.1	1.95e-02	5.7	5.7	5.7	5.7	-25.7	-24.8	-55.8	712.3	411.6	-80.9
243	ok	0.10	0.1	1.90e-02	5.7	5.7	5.7	5.7	-28.7	-33.7	-49.9	661.2	335.0	-118.9
244	ok	0.10	0.3	2.24e-02	5.7	5.7	5.7	5.7	-65.1	9.0	-28.2	-2018.9	-439.4	-135.9
245	ok	0.10	0.7	2.16e-02	5.7	5.7	5.7	5.7	-78.4	-0.3	-30.9	-4613.3	-930.8	-270.3
246	ok	0.10	2.73e-02	1.20e-02	5.7	5.7	5.7	5.7	-0.4	-3.2	4.65e-02	4.1	-38.5	145.9
247	ok	0.10	5.16e-02	3.00e-02	5.7	5.7	5.7	5.7	-1.0	-136.6	3.9	-12.2	86.3	-319.2
248	ok	0.10	0.3	1.83e-02	5.7	5.7	5.7	5.7	-34.7	31.2	-10.8	-1671.4	-354.5	-442.0
249	ok	0.10	0.3	1.40e-02	5.7	5.7	5.7	5.7	19.6	57.5	-39.6	-1636.9	-359.9	-488.5
250	ok	0.10	0.3	1.19e-02	5.7	5.7	5.7	5.7	56.8	119.6	-46.0	-1646.0	-336.1	-106.5
251	ok	0.10	0.3	2.37e-02	5.7	5.7	5.7	5.7	20.1	-18.3	1.9	-1590.5	-484.0	135.9
252	ok	0.10	0.3	2.16e-02	5.7	5.7	5.7	5.7	15.9	2.0	-3.8	-1812.4	-654.1	490.9
253	ok	0.10	0.2	2.13e-02	5.7	5.7	5.7	5.7	9.1	8.6	-24.8	-746.5	-678.4	533.0
254	ok	0.10	9.21e-02	2.01e-02	5.7	5.7	5.7	5.7	5.5	8.3	-29.1	68.7	-240.0	402.7
255	ok	0.10	8.09e-02	1.95e-02	5.7	5.7	5.7	5.7	4.3	7.1	-23.3	415.4	370.7	55.3
256	ok	0.10	0.1	1.93e-02	5.7	5.7	5.7	5.7	1.4	4.4	-26.7	627.0	487.7	-190.5
257	ok	0.10	0.2	1.96e-02	5.7	5.7	5.7	5.7	-1.5	1.2	-29.9	740.5	457.2	-263.1
258	ok	0.10	0.1	1.98e-02	5.7	5.7	5.7	5.7	-3.0	-0.9	-32.8	707.4	390.5	-229.1
259	ok	0.10	0.1	1.97e-02	5.7	5.7	5.7	5.7	-3.9	-2.9	-35.0	623.7	339.9	-150.1
260	ok	0.10	0.1	1.93e-02	5.7	5.7	5.7	5.7	-4.5	-4.2	-36.7	571.9	313.0	-88.4
261	ok	0.10	0.1	1.88e-02	5.7	5.7	5.7	5.7	-5.1	-5.4	-39.8	594.3	302.1	-58.8
262	ok	0.10	0.1	1.86e-02	5.7	5.7	5.7	5.7	-6.3	-5.9	-40.9	663.5	287.9	-79.2
263	ok	0.10	0.1	1.83e-02	5.7	5.7	5.7	5.7	-31.4	-30.9	-40.7	634.9	233.9	-121.6
264	ok	0.10	0.3	2.24e-02	5.7	5.7	5.7	5.7	-65.2	8.8	-28.2	-2133.2	-466.0	-148.1
265	ok	0.10	0.7	2.17e-02	5.7	5.7	5.7	5.7	-78.9	1.5	-31.4	-4680.7	-946.9	-222.8
266	ok	0.10	2.19e-02	1.23e-02	5.7	5.7	5.7	5.7	0.3	0.4	1.2	7.4	-38.9	-111.8
267	ok	0.10	6.39e-02	1.24e-02	5.7	5.7	5.7	5.7	0.8	-46.8	-1.4	-10.7	-37.5	-380.1
268	ok	0.10	0.2	2.67e-02	5.7	5.7	5.7	5.7	-26.1	64.4	-50.0	-1053.0	-292.5	-524.4
269	ok	0.10	0.2	2.93e-02	5.7	5.7	5.7	5.7	29.1	-3.4	-114.2	-1289.9	-412.4	-385.7
270	ok	0.10	0.2	2.16e-02	5.7	5.7	5.7	5.7	26.4	71.7	-43.5	-1282.6	-336.8	-61.3
271	ok	0.10	0.3	1.97e-02	5.7	5.7	5.7	5.7	-1.3	-92.0	1.7	-1709.2	-544.0	-76.6
272	ok	0.10	0.3	1.71e-02	5.7	5.7	5.7	5.7	25.3	19.2	-11.7	-1717.3	-950.6	143.5
273	ok	0.10	0.2	1.82e-02	5.7	5.7	5.7	5.7	26.0	12.3	-10.6	-660.3	-627.0	683.7
274	ok	0.10	0.2	1.74e-02	5.7	5.7	5.7	5.7	-10.9	-34.8	2.1	-295.5	-241.1	545.3
275	ok	0.10	8.30e-02	1.76e-02	5.7	5.7	5.7	5.7	11.1	-44.0	-36.1	278.6	220.1	255.0
276	ok	0.10	0.1	1.84e-02	5.7	5.7	5.7	5.7	5.7	8.4	-23.9	378.2	299.3	-242.3
277	ok	0.10	0.2	1.92e-02	5.7	5.7	5.7	5.7	1.8	4.6	-28.1	709.0	239.8	-322.6
278	ok	0.10	0.1	1.94e-02	5.7	5.7	5.7	5.7	0.5	1.3	-31.6	763.4	194.1	-250.9
279	ok	0.10	0.1	1.91e-02	5.7	5.7	5.7	5.7	-0.3	-1.0	-34.3	673.4	159.1	-159.0
280	ok	0.10	0.1	1.86e-02	5.7	5.7	5.7	5.7	-1.1	-2.6	-36.1	586.9	153.7	-89.7
281	ok	0.10	9.75e-02	1.78e-02	5.7	5.7	5.7	5.7	-1.9	-3.4	-37.6	561.4	160.6	-67.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
282	ok	0.10	0.1	1.77e-02	5.7	5.7	5.7	5.7	-3.4	-4.6	-40.8	605.3	177.1	-95.4
283	ok	0.10	0.1	1.78e-02	5.7	5.7	5.7	5.7	-62.0	3.3	-22.6	-704.3	-161.2	-35.1
284	ok	0.10	0.3	2.22e-02	5.7	5.7	5.7	5.7	-64.3	9.1	-27.6	-2203.6	-477.1	-152.5
285	ok	0.10	0.7	2.16e-02	5.7	5.7	5.7	5.7	-78.5	3.4	-31.3	-4670.9	-945.0	-185.8
286	ok	0.10	2.28e-02	1.24e-02	5.7	5.7	5.7	5.7	0.3	2.1	1.2	6.8	-24.0	-127.4
287	ok	0.10	0.1	1.33e-03	5.7	5.7	5.7	5.7	0.7	135.2	-8.3	-27.0	-290.2	-343.1
288	ok	0.10	0.2	2.21e-02	5.7	5.7	5.7	5.7	-5.8	67.2	-92.4	-599.9	-298.3	-817.5
289	ok	0.10	0.3	1.52e-02	5.7	5.7	5.7	5.7	47.4	11.4	-1.8	-427.1	-866.4	901.9
290	ok	0.10	0.3	1.61e-02	5.7	5.7	5.7	5.7	-7.2	-38.3	15.0	-832.2	-831.9	1030.7
291	ok	0.10	0.2	2.07e-02	5.7	5.7	5.7	5.7	-6.5	-44.3	19.7	-1001.3	-492.9	231.7
292	ok	0.10	0.2	2.05e-02	5.7	5.7	5.7	5.7	-27.0	-52.0	30.1	-484.2	-671.3	-424.7
293	ok	0.10	0.1	2.00e-02	5.7	5.7	5.7	5.7	2.1	9.5	-27.2	689.1	-181.1	-375.7
294	ok	0.10	0.2	1.95e-02	5.7	5.7	5.7	5.7	2.8	4.6	-31.5	843.9	-52.6	-256.8
295	ok	0.10	0.1	1.89e-02	5.7	5.7	5.7	5.7	2.5	1.0	-33.7	740.7	-4.6	-143.4
296	ok	0.10	0.1	1.81e-02	5.7	5.7	5.7	5.7	1.8	-1.2	-35.3	607.5	19.6	-71.8
297	ok	0.10	9.16e-02	1.73e-02	5.7	5.7	5.7	5.7	0.7	-2.2	-36.7	538.2	44.7	-50.6
298	ok	0.10	9.52e-02	1.70e-02	5.7	5.7	5.7	5.7	-48.1	-27.9	-32.2	542.5	89.2	-75.1
299	ok	0.10	0.1	1.76e-02	5.7	5.7	5.7	5.7	-61.9	3.7	-22.8	-762.4	-222.8	-45.4
300	ok	0.10	0.3	2.18e-02	5.7	5.7	5.7	5.7	-76.9	-0.1	-48.7	-2256.6	-507.1	-157.5
301	ok	0.10	0.7	2.13e-02	5.7	5.7	5.7	5.7	-77.2	4.9	-33.4	-4584.3	-934.4	-156.9
302	ok	0.10	2.58e-02	1.26e-02	5.7	5.7	5.7	5.7	0.4	3.8	1.4	-10.2	38.8	-138.1
303	ok	0.10	0.2	3.48e-02	5.7	5.7	5.7	5.7	-53.6	108.0	-80.7	-716.8	-799.8	-539.7
304	ok	0.10	0.4	6.27e-02	5.7	5.7	5.7	5.7	-98.7	89.3	-70.3	-1500.4	-1570.7	-278.5
305	ok	0.10	0.3	1.75e-02	5.7	5.7	5.7	5.7	4.6	59.0	6.1	-408.5	-1798.2	22.9
306	ok	0.10	0.4	1.61e-02	5.7	5.7	5.7	5.7	-7.6	60.6	-29.4	-414.8	-1977.7	-93.3
307	ok	0.10	0.4	1.79e-02	5.7	5.7	5.7	5.7	19.7	54.4	-18.3	-469.2	-2141.7	-147.8
308	ok	0.10	0.6	3.29e-02	5.7	5.7	5.7	5.7	61.9	125.9	-16.4	-1661.6	-2823.9	-174.7
309	ok	0.10	0.3	1.82e-02	5.7	5.7	5.7	5.7	75.5	15.0	2.8	-728.2	-1361.4	515.4
310	ok	0.10	0.2	4.98e-04	5.7	5.7	5.7	5.7	9.1	243.2	2.6	112.9	-496.8	-141.6
311	ok	0.10	0.2	1.43e-02	5.7	5.7	5.7	5.7	-49.8	137.3	-13.7	-1266.5	-526.9	-313.5
312	ok	0.10	0.3	2.95e-02	5.7	5.7	5.7	5.7	6.6	14.9	33.3	-453.5	-1251.0	-600.4
313	ok	0.10	0.3	3.62e-02	5.7	5.7	5.7	5.7	5.3	-13.8	31.7	-541.6	-1782.3	-545.6
314	ok	0.10	0.5	2.64e-02	5.7	5.7	5.7	5.7	1.4	-39.8	6.3	-666.6	-3277.8	-293.5
315	ok	0.10	0.6	2.37e-02	5.7	5.7	5.7	5.7	9.2	-45.0	26.1	-808.5	-3927.0	-241.1
316	ok	0.10	0.6	2.27e-02	5.7	5.7	5.7	5.7	23.3	-39.2	19.9	-864.9	-4064.1	-155.3
317	ok	0.10	0.6	2.17e-02	5.7	5.7	5.7	5.7	35.2	-16.1	0.4	-987.3	-3653.2	252.4
318	ok	0.10	0.6	1.99e-02	5.7	5.7	5.7	5.7	36.8	-26.3	1.3	-766.9	-3466.4	536.9
319	ok	0.10	0.5	1.94e-02	5.7	5.7	5.7	5.7	32.8	-32.2	-11.0	-582.2	-2808.9	695.7
320	ok	0.10	0.4	1.97e-02	5.7	5.7	5.7	5.7	15.9	-28.5	10.3	-664.3	-2422.2	570.2
321	ok	0.10	0.8	4.92e-02	5.7	5.7	5.7	5.7	-61.6	-7.4	34.8	-4323.0	-3009.3	989.4
322	ok	0.10	0.2	2.53e-02	5.7	5.7	5.7	5.7	-24.9	-26.5	13.3	-400.2	-1378.9	-20.3
323	ok	0.10	0.1	2.20e-02	5.7	5.7	5.7	5.7	3.7	15.3	-30.6	754.5	-452.4	-194.3
324	ok	0.10	0.2	2.01e-02	5.7	5.7	5.7	5.7	5.7	7.4	-32.1	950.8	-170.4	-129.9
325	ok	0.10	0.1	1.88e-02	5.7	5.7	5.7	5.7	5.4	2.7	-33.0	834.7	-59.3	-64.6
326	ok	0.10	0.1	1.78e-02	5.7	5.7	5.7	5.7	4.6	0.2	-34.2	646.0	-24.1	-25.1
327	ok	0.10	8.68e-02	1.68e-02	5.7	5.7	5.7	5.7	3.4	-1.0	-35.2	514.4	-10.8	-19.2
328	ok	0.10	7.99e-02	1.63e-02	5.7	5.7	5.7	5.7	-45.0	-27.1	-31.4	470.0	35.7	-55.7
329	ok	0.10	0.1	1.69e-02	5.7	5.7	5.7	5.7	-50.0	9.5	-18.6	-795.9	-273.5	-90.7
330	ok	0.10	0.3	2.19e-02	5.7	5.7	5.7	5.7	-62.8	11.1	-25.0	-2297.2	-550.3	-119.6
331	ok	0.10	0.6	2.06e-02	5.7	5.7	5.7	5.7	-77.4	9.8	-27.4	-4477.2	-921.3	-99.0
332	ok	0.10	3.51e-02	1.25e-02	5.7	5.7	5.7	5.7	0.6	4.9	1.2	8.0	-68.2	-175.6
333	ok	0.10	0.1	9.43e-03	5.7	5.7	5.7	5.7	0.4	203.4	0.1	-1.1	-343.4	145.7
334	ok	0.10	0.3	1.99e-02	5.7	5.7	5.7	5.7	-20.9	32.1	-27.9	-1671.9	-406.3	193.8
335	ok	0.10	0.2	2.53e-02	5.7	5.7	5.7	5.7	-8.7	17.9	15.2	-411.2	-273.9	-945.5
336	ok	0.10	0.2	2.92e-02	5.7	5.7	5.7	5.7	-3.7	-13.8	22.9	-36.9	-442.0	-957.2
337	ok	0.10	0.2	2.73e-02	5.7	5.7	5.7	5.7	1.8	-35.2	14.8	100.8	-746.0	-723.0
338	ok	0.10	0.2	2.24e-02	5.7	5.7	5.7	5.7	6.7	-40.3	7.6	-1.85e-02	-1024.1	-387.2
339	ok	0.10	0.2	2.20e-02	5.7	5.7	5.7	5.7	10.4	-31.6	1.0	-69.3	-1098.5	-74.1
340	ok	0.10	0.2	2.18e-02	5.7	5.7	5.7	5.7	11.8	-19.9	4.3	-48.5	-995.5	262.0
341	ok	0.10	0.2	2.13e-02	5.7	5.7	5.7	5.7	16.8	-20.4	8.2	71.5	-819.5	643.8
342	ok	0.10	0.2	2.07e-02	5.7	5.7	5.7	5.7	19.4	-22.0	-1.6	55.1	-650.7	938.1
343	ok	0.10	0.3	2.15e-02	5.7	5.7	5.7	5.7	13.0	-2.4	-7.7	-503.0	-584.6	1001.6
344	ok	0.10	0.7	2.89e-02	5.7	5.7	5.7	5.7	0.6	52.8	-48.6	-3420.3	-1211.7	424.1
345	ok	0.10	0.3	3.04e-02	5.7	5.7	5.7	5.7	-14.4	-21.9	11.7	-693.6	-1065.9	621.8
346	ok	0.10	0.1	2.26e-02	5.7	5.7	5.7	5.7	-11.9	-23.2	4.9	554.4	-426.8	173.6
347	ok	0.10	0.2	2.00e-02	5.7	5.7	5.7	5.7	7.8	7.9	-32.5	971.9	-116.3	15.8
348	ok	0.10	0.1	1.84e-02	5.7	5.7	5.7	5.7	8.0	3.8	-32.8	877.6	2.8	6.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
349	ok	0.10	0.1	1.72e-02	5.7	5.7	5.7	5.7	6.4	0.9	-33.1	668.6	28.0	13.1
350	ok	0.10	8.48e-02	1.61e-02	5.7	5.7	5.7	5.7	5.0	0.3	-34.1	504.1	23.3	2.8
351	ok	0.10	7.11e-02	1.54e-02	5.7	5.7	5.7	5.7	-33.1	-24.5	-32.9	421.9	41.8	-40.0
352	ok	0.10	0.1	1.63e-02	5.7	5.7	5.7	5.7	-49.3	10.1	-18.2	-827.7	-252.3	-81.1
353	ok	0.10	0.3	2.12e-02	5.7	5.7	5.7	5.7	-74.8	10.0	-22.1	-2293.6	-535.2	-98.4
354	ok	0.10	0.6	2.09e-02	5.7	5.7	5.7	5.7	-78.5	10.9	-4.6	-4428.6	-913.7	-9.2
355	ok	0.10	2.31e-02	1.24e-02	5.7	5.7	5.7	5.7	0.4	4.5	1.3	10.3	-29.6	-127.0
356	ok	0.10	5.72e-02	1.96e-02	5.7	5.7	5.7	5.7	-1.1	94.1	1.8	4.2	-43.8	-232.7
357	ok	0.10	0.5	2.80e-02	5.7	5.7	5.7	5.7	-71.5	6.4	-34.6	-3233.0	-661.6	312.2
358	ok	0.10	0.2	2.67e-02	5.7	5.7	5.7	5.7	-60.6	-16.7	-5.2	-1420.9	-228.4	-322.3
359	ok	0.10	0.2	2.62e-02	5.7	5.7	5.7	5.7	-21.6	-12.7	11.2	312.0	422.7	-1030.2
360	ok	0.10	0.2	2.58e-02	5.7	5.7	5.7	5.7	-10.4	-30.1	9.8	729.2	666.2	-801.8
361	ok	0.10	0.2	2.24e-02	5.7	5.7	5.7	5.7	-3.9	-35.3	4.1	711.9	753.0	-428.3
362	ok	0.10	0.1	2.07e-02	5.7	5.7	5.7	5.7	-1.8	-30.3	1.2	654.1	775.7	-48.0
363	ok	0.10	0.2	2.07e-02	5.7	5.7	5.7	5.7	-0.6	-23.7	3.1	682.2	772.7	303.5
...														
585	ok	0.10	4.03e-02	2.83e-03	5.7	5.7	5.7	5.7	-1.7	-4.7	-8.9	-162.1	-154.3	-90.2
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-156.46	-136.63	-114.16	-5779.78	-6188.71	-1030.21
		0.10	0.87	0.07	5.65	5.65	5.65	5.65	84.86	243.24	115.64	2029.11	2055.93	1030.65

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
66	ok	1.18						
67	ok	1.74						
68	ok	1.74						
69	ok	1.14						
70	ok	0.88						
71	ok	0.81						
72	ok	0.73						
73	ok	0.71						
74	ok	0.80						
75	ok	0.90						
76	ok	0.97						
77	ok	1.04						
78	ok	1.06						
79	ok	1.07						
80	ok	1.08						
81	ok	1.09						
82	ok	1.09						
83	ok	1.09						
84	ok	1.09						
85	ok	1.07						
86	ok	1.21						
87	ok	1.21						
88	ok	0.96						
89	ok	1.67						
90	ok	1.74						
91	ok	1.74						
92	ok	1.14						
93	ok	0.89						
94	ok	0.82						
95	ok	0.82						
96	ok	0.98						
97	ok	1.25						
98	ok	1.53						
99	ok	1.73						
100	ok	1.88						
101	ok	1.96						
102	ok	1.98						
103	ok	1.98						
104	ok	1.96						
105	ok	1.91						
106	ok	1.86						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
107	ok	1.83						
108	ok	1.77						
109	ok	1.36						
110	ok	1.39						
111	ok	1.39						
112	ok	1.67						
113	ok	1.67						
114	ok	1.51						
115	ok	0.98						
116	ok	0.89						
117	ok	0.82						
118	ok	0.82						
119	ok	0.98						
120	ok	1.25						
121	ok	1.53						
122	ok	1.73						
123	ok	1.88						
124	ok	1.96						
125	ok	1.98						
126	ok	1.98						
127	ok	1.96						
128	ok	1.91						
129	ok	1.86						
130	ok	1.83						
131	ok	1.77						
132	ok	1.36						
133	ok	1.39						
134	ok	1.39						
135	ok	1.12						
136	ok	1.19						
137	ok	1.19						
138	ok	0.80						
139	ok	0.76						
140	ok	0.81						
141	ok	0.99						
142	ok	0.99						
143	ok	0.98						
144	ok	0.97						
145	ok	1.17						
146	ok	1.29						
147	ok	1.36						
148	ok	1.37						
149	ok	1.37						
150	ok	1.35						
151	ok	1.30						
152	ok	1.24						
153	ok	1.13						
154	ok	0.96						
155	ok	1.60						
156	ok	1.60						
157	ok	1.01						
158	ok	0.91						
159	ok	1.37						
160	ok	1.37						
161	ok	1.30						
162	ok	0.83						
163	ok	0.81						
164	ok	1.38						
165	ok	1.71						
166	ok	1.71						
167	ok	1.10						
168	ok	0.69						
169	ok	0.78						
170	ok	0.82						
171	ok	0.82						
172	ok	0.82						
173	ok	0.79						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
174	ok	0.75						
175	ok	0.69						
176	ok	0.61						
177	ok	0.98						
178	ok	1.71						
179	ok	1.71						
180	ok	0.96						
181	ok	0.74						
182	ok	2.45						
183	ok	2.92						
184	ok	2.92						
185	ok	1.09						
186	ok	0.78						
187	ok	1.78						
188	ok	2.47						
189	ok	2.47						
190	ok	1.36						
191	ok	0.75						
192	ok	0.42						
193	ok	0.42						
194	ok	0.42						
195	ok	0.41						
196	ok	0.39						
197	ok	0.36						
198	ok	0.33						
199	ok	0.51						
200	ok	1.05						
201	ok	1.77						
202	ok	1.77						
203	ok	0.91						
204	ok	2.92						
205	ok	2.92						
206	ok	1.09						
207	ok	0.49						
208	ok	1.78						
209	ok	2.47						
210	ok	2.47						
211	ok	0.59						
212	ok	2.45						
213	ok	1.36						
214	ok	0.81						
215	ok	0.42						
216	ok	0.24						
217	ok	0.18						
218	ok	0.17						
219	ok	0.17						
220	ok	0.16						
221	ok	0.23						
222	ok	0.54						
223	ok	1.09						
224	ok	1.77						
225	ok	1.77						
226	ok	0.87						
227	ok	0.52						
228	ok	2.35						
229	ok	2.53						
230	ok	2.53						
231	ok	1.45						
232	ok	1.45						
233	ok	1.11						
234	ok	0.81						
235	ok	0.44						
236	ok	0.28						
237	ok	0.18						
238	ok	0.15						
239	ok	0.14						
240	ok	0.15						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
241	ok	0.25						
242	ok	0.56						
243	ok	1.10						
244	ok	1.77						
245	ok	1.77						
246	ok	0.83						
247	ok	0.51						
248	ok	1.45						
249	ok	1.45						
250	ok	1.29						
251	ok	0.58						
252	ok	0.72						
253	ok	0.73						
254	ok	0.73						
255	ok	0.48						
256	ok	0.43						
257	ok	0.27						
258	ok	0.14						
259	ok	0.12						
260	ok	0.13						
261	ok	0.25						
262	ok	0.57						
263	ok	1.10						
264	ok	1.75						
265	ok	1.75						
266	ok	0.79						
267	ok	0.50						
268	ok	0.90						
269	ok	0.90						
270	ok	0.87						
271	ok	1.04						
272	ok	1.04						
273	ok	0.83						
274	ok	0.78						
275	ok	0.81						
276	ok	0.81						
277	ok	0.48						
278	ok	0.18						
279	ok	0.11						
280	ok	0.12						
281	ok	0.25						
282	ok	0.57						
283	ok	1.09						
284	ok	1.70						
285	ok	1.70						
286	ok	0.76						
287	ok	0.63						
288	ok	0.90						
289	ok	1.30						
290	ok	1.93						
291	ok	1.93						
292	ok	1.91						
293	ok	0.83						
294	ok	0.29						
295	ok	0.09						
296	ok	0.11						
297	ok	0.27						
298	ok	0.58						
299	ok	1.06						
300	ok	1.63						
301	ok	1.63						
302	ok	0.74						
303	ok	1.87						
304	ok	2.25						
305	ok	2.25						
306	ok	2.12						
307	ok	3.03						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
308	ok	3.03						
309	ok	2.92						
310	ok	0.70						
311	ok	0.70						
312	ok	1.87						
313	ok	2.25						
314	ok	2.25						
315	ok	2.32						
316	ok	3.03						
317	ok	3.03						
318	ok	2.92						
319	ok	1.96						
320	ok	1.93						
321	ok	2.66						
322	ok	2.66						
323	ok	1.05						
324	ok	0.35						
325	ok	0.10						
326	ok	0.13						
327	ok	0.27						
328	ok	0.58						
329	ok	1.03						
330	ok	1.49						
331	ok	1.49						
332	ok	0.63						
333	ok	0.70						
334	ok	1.45						
335	ok	1.45						
336	ok	1.67						
337	ok	2.19						
338	ok	2.32						
339	ok	2.32						
340	ok	2.28						
341	ok	2.19						
342	ok	1.96						
343	ok	1.41						
344	ok	2.66						
345	ok	2.66						
346	ok	1.05						
347	ok	0.35						
348	ok	0.11						
349	ok	0.14						
350	ok	0.29						
351	ok	0.57						
352	ok	1.00						
353	ok	1.42						
354	ok	1.42						
355	ok	0.63						
356	ok	0.84						
357	ok	2.42						
358	ok	2.42						
359	ok	1.35						
360	ok	1.45						
361	ok	1.62						
362	ok	1.62						
363	ok	1.62						
...								
585	ok	0.45						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.36						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
13	30.00	5	3	Singolo

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
				elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1081	ok	0.08	4.60e-02	3.96e-03	5.7	5.7	5.7	5.7	-5.2	38.7	-14.3	-194.6	226.3	-26.5
1082	ok	0.08	0.2	7.73e-03	5.7	5.7	5.7	5.7	-5.4	-27.0	-16.2	141.9	1025.6	-263.9
1083	ok	0.08	0.3	1.30e-02	5.7	5.7	5.7	5.7	-9.5	-58.5	-10.9	385.1	2002.0	-316.2
1084	ok	0.08	0.5	1.78e-02	5.7	5.7	5.7	5.7	-22.7	-69.9	16.7	688.0	3217.5	-234.5
1085	ok	0.08	0.6	2.18e-02	5.7	5.7	5.7	5.7	-31.8	-91.1	-14.1	813.1	3996.9	-209.5
1086	ok	0.08	0.6	2.38e-02	5.7	5.7	5.7	5.7	-37.6	-95.1	-14.1	899.8	4450.3	-149.7
1087	ok	0.08	0.7	2.48e-02	5.7	5.7	5.7	5.7	-39.4	-95.3	-13.5	940.1	4670.5	-103.5
1088	ok	0.08	0.7	2.53e-02	5.7	5.7	5.7	5.7	-40.4	-93.8	2.5	954.1	4774.3	-62.2
1089	ok	0.08	0.7	2.55e-02	5.7	5.7	5.7	5.7	-36.5	-92.8	4.2	953.0	4778.0	-42.2
1090	ok	0.08	0.7	2.53e-02	5.7	5.7	5.7	5.7	-31.7	-91.5	5.9	941.4	4716.4	-33.0
1091	ok	0.08	0.6	2.49e-02	5.7	5.7	5.7	5.7	-27.4	-90.8	6.5	932.4	4621.9	-23.5
1092	ok	0.08	0.6	2.46e-02	5.7	5.7	5.7	5.7	-24.0	-89.6	40.7	928.4	4537.8	35.4
1093	ok	0.08	0.6	2.43e-02	5.7	5.7	5.7	5.7	-23.1	-89.3	39.5	915.2	4474.4	54.9
1094	ok	0.08	0.6	2.40e-02	5.7	5.7	5.7	5.7	-23.8	-89.3	38.0	901.3	4415.5	73.3
1095	ok	0.08	0.6	2.37e-02	5.7	5.7	5.7	5.7	-25.4	-89.3	36.1	882.0	4325.6	94.5
1096	ok	0.08	0.6	2.32e-02	5.7	5.7	5.7	5.7	-26.8	-88.6	34.0	847.6	4154.6	122.9
1097	ok	0.08	0.5	2.23e-02	5.7	5.7	5.7	5.7	-26.4	-86.3	31.7	781.4	3836.3	160.9
1098	ok	0.08	0.5	2.08e-02	5.7	5.7	5.7	5.7	-20.7	-81.2	30.2	657.3	3271.7	201.6
1099	ok	0.08	0.3	1.98e-02	5.7	5.7	5.7	5.7	-12.5	-66.5	42.4	509.7	2159.8	234.8
1100	ok	0.08	0.2	1.54e-02	5.7	5.7	5.7	5.7	-38.3	-28.9	17.8	291.2	949.4	326.7
1101	ok	0.08	4.59e-02	7.77e-03	5.7	5.7	5.7	5.7	3.8	23.2	20.1	-263.6	256.7	50.3
1102	ok	0.08	0.4	2.23e-02	5.7	5.7	5.7	5.7	-25.0	-90.5	16.9	644.8	3058.6	-28.4
1103	ok	0.08	0.4	2.20e-02	5.7	5.7	5.7	5.7	-22.6	-89.6	27.4	656.6	3062.7	25.3
1104	ok	0.08	0.4	2.18e-02	5.7	5.7	5.7	5.7	-21.3	-88.7	27.4	649.2	3045.1	66.6
1105	ok	0.08	0.4	2.16e-02	5.7	5.7	5.7	5.7	-20.5	-88.2	26.6	630.7	2999.6	95.8
1106	ok	0.08	0.4	2.12e-02	5.7	5.7	5.7	5.7	-19.8	-87.7	24.9	606.2	2908.0	111.5
1107	ok	0.08	0.4	2.05e-02	5.7	5.7	5.7	5.7	-18.7	-86.5	22.1	570.7	2741.4	119.5
1108	ok	0.08	0.4	1.94e-02	5.7	5.7	5.7	5.7	-16.6	-84.2	18.0	507.8	2475.8	125.7
1109	ok	0.08	0.3	1.93e-02	5.7	5.7	5.7	5.7	-16.2	-85.6	9.3	366.5	2188.3	149.9
1110	ok	0.08	0.3	2.40e-02	5.7	5.7	5.7	5.7	-40.4	-74.9	15.4	650.4	1814.3	-815.8
1111	ok	0.08	0.2	2.25e-02	5.7	5.7	5.7	5.7	28.1	-61.5	-0.9	-228.6	711.0	230.4
1112	ok	0.08	0.4	2.23e-02	5.7	5.7	5.7	5.7	-27.2	-92.6	15.3	608.4	3032.6	-46.3
1113	ok	0.08	0.4	2.25e-02	5.7	5.7	5.7	5.7	-29.9	-94.0	14.1	603.3	3011.0	-52.9
1114	ok	0.08	0.4	2.25e-02	5.7	5.7	5.7	5.7	-31.8	-95.0	13.2	601.4	2955.0	-61.5
1115	ok	0.08	0.4	2.24e-02	5.7	5.7	5.7	5.7	-28.7	-94.3	-0.8	576.4	2803.3	-117.0
1116	ok	0.08	0.4	2.20e-02	5.7	5.7	5.7	5.7	-24.8	-92.7	1.3	539.6	2579.3	-134.4
1117	ok	0.08	0.3	2.09e-02	5.7	5.7	5.7	5.7	-16.6	-84.4	14.5	462.8	2187.6	-134.0
1118	ok	0.08	0.2	1.81e-02	5.7	5.7	5.7	5.7	-7.3	-77.8	8.0	341.1	1654.7	-111.9
1119	ok	0.08	0.2	1.07e-02	5.7	5.7	5.7	5.7	2.8	-22.9	9.7	213.6	322.6	940.0
1120	ok	0.08	0.2	7.55e-03	5.7	5.7	5.7	5.7	-2.7	-25.0	2.2	230.5	164.7	1073.5
1121	ok	0.08	0.2	1.63e-02	5.7	5.7	5.7	5.7	-23.9	-47.1	-32.2	1030.3	143.3	-151.0
1122	ok	0.08	0.2	2.24e-02	5.7	5.7	5.7	5.7	-13.2	-65.8	36.1	787.7	137.5	304.8
1123	ok	0.08	0.3	2.44e-02	5.7	5.7	5.7	5.7	-57.0	-75.0	-37.7	2162.2	418.0	-156.7
1124	ok	0.08	0.3	2.23e-02	5.7	5.7	5.7	5.7	-54.8	-36.1	34.1	1670.4	396.9	342.6
1125	ok	0.08	0.2	1.34e-02	5.7	5.7	5.7	5.7	-54.4	-40.8	5.6	1273.0	234.3	109.4
1126	ok	0.08	0.2	2.03e-02	5.7	5.7	5.7	5.7	-1.1	-26.7	20.5	-394.5	-454.1	936.0
1127	ok	0.08	0.2	2.07e-02	5.7	5.7	5.7	5.7	3.5	-23.4	28.0	-490.0	-591.7	806.9
1128	ok	0.08	0.2	2.13e-02	5.7	5.7	5.7	5.7	8.0	-22.3	31.7	-498.0	-705.4	590.3
1129	ok	0.08	0.2	2.14e-02	5.7	5.7	5.7	5.7	12.0	-21.5	33.1	-470.0	-791.1	407.4
1130	ok	0.08	0.2	2.15e-02	5.7	5.7	5.7	5.7	16.9	-20.7	34.0	-407.3	-860.1	251.3
1131	ok	0.08	0.2	2.15e-02	5.7	5.7	5.7	5.7	-23.2	-94.6	17.0	245.2	1252.4	-0.8
1132	ok	0.08	0.2	2.14e-02	5.7	5.7	5.7	5.7	-21.7	-93.6	18.7	263.7	1286.7	-11.6
1133	ok	0.08	0.2	2.12e-02	5.7	5.7	5.7	5.7	-20.0	-91.9	19.7	329.8	1337.1	11.1
1134	ok	0.08	0.2	2.10e-02	5.7	5.7	5.7	5.7	-18.5	-90.2	20.6	372.2	1405.6	33.2
1135	ok	0.08	0.2	2.06e-02	5.7	5.7	5.7	5.7	-17.1	-88.4	20.8	356.2	1441.7	47.3
1136	ok	0.08	0.2	2.02e-02	5.7	5.7	5.7	5.7	-15.5	-86.8	20.0	316.1	1441.0	36.3
1137	ok	0.08	0.2	1.95e-02	5.7	5.7	5.7	5.7	-13.6	-85.1	17.7	270.1	1393.1	-8.8
1138	ok	0.08	0.2	1.86e-02	5.7	5.7	5.7	5.7	-11.3	-82.6	14.4	224.3	1284.2	-78.5
1139	ok	0.08	0.2	1.73e-02	5.7	5.7	5.7	5.7	-8.5	-78.1	11.3	177.4	1108.5	-172.6
1140	ok	0.08	0.2	1.71e-02	5.7	5.7	5.7	5.7	25.7	-6.7	37.0	-363.6	-204.5	-930.4

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
1141	ok	0.08	0.4	2.71e-02	5.7	5.7	5.7	5.7	121.4	55.1	19.8	-1428.5	-757.1	-654.5
1142	ok	0.08	0.3	3.31e-02	5.7	5.7	5.7	5.7	-77.8	-57.6	23.0	2030.5	761.7	-597.8
1143	ok	0.08	0.4	3.01e-02	5.7	5.7	5.7	5.7	-76.3	-99.0	-39.9	3102.9	603.4	-108.9
1144	ok	0.08	0.3	1.96e-02	5.7	5.7	5.7	5.7	-75.4	-61.9	-5.4	1776.4	363.7	188.6
1145	ok	0.08	0.2	1.98e-02	5.7	5.7	5.7	5.7	-10.6	-33.6	17.3	-572.0	-909.5	862.6
1146	ok	0.08	0.3	2.06e-02	5.7	5.7	5.7	5.7	-5.9	-27.5	24.0	-795.4	-1292.8	689.4
1147	ok	0.08	0.3	2.08e-02	5.7	5.7	5.7	5.7	-0.6	-24.2	28.3	-827.4	-1558.4	513.7
1148	ok	0.08	0.3	2.07e-02	5.7	5.7	5.7	5.7	4.1	-22.2	30.0	-784.8	-1730.7	352.4
1149	ok	0.08	0.3	2.11e-02	5.7	5.7	5.7	5.7	10.0	-21.4	30.9	-688.7	-1847.5	226.7
1150	ok	0.08	0.3	2.13e-02	5.7	5.7	5.7	5.7	14.7	-20.6	32.3	-595.1	-1874.4	160.8
1151	ok	0.08	0.3	2.13e-02	5.7	5.7	5.7	5.7	18.6	-19.2	34.2	-502.7	-1821.4	142.6
1152	ok	0.08	0.3	2.11e-02	5.7	5.7	5.7	5.7	21.5	-17.1	36.6	-397.6	-1675.3	151.3
1153	ok	0.08	0.2	2.08e-02	5.7	5.7	5.7	5.7	23.1	-14.8	38.6	-351.6	-1491.8	147.6
1154	ok	0.08	0.2	2.03e-02	5.7	5.7	5.7	5.7	23.8	-12.6	40.3	-438.4	-1308.5	95.9
1155	ok	0.08	0.2	1.97e-02	5.7	5.7	5.7	5.7	23.5	-10.6	41.1	-575.0	-1135.9	-29.1
1156	ok	0.08	0.2	1.89e-02	5.7	5.7	5.7	5.7	27.3	-8.7	38.6	-695.7	-968.6	-236.0
1157	ok	0.08	0.2	1.78e-02	5.7	5.7	5.7	5.7	24.8	-7.7	37.9	-758.3	-836.2	-473.2
1158	ok	0.08	0.3	1.66e-02	5.7	5.7	5.7	5.7	22.4	-6.9	36.7	-734.0	-714.9	-721.1
1159	ok	0.08	0.3	1.69e-02	5.7	5.7	5.7	5.7	25.8	-5.8	28.7	-623.5	-614.6	-975.1
1160	ok	0.08	0.3	1.75e-02	5.7	5.7	5.7	5.7	12.9	22.5	21.5	-296.6	-451.7	-1075.7
1161	ok	0.08	0.3	1.95e-02	5.7	5.7	5.7	5.7	-70.6	-38.3	29.6	1911.5	268.0	67.7
1162	ok	0.08	0.4	2.51e-02	5.7	5.7	5.7	5.7	-73.9	-47.0	52.6	2714.0	555.6	198.1
1163	ok	0.08	0.5	3.41e-02	5.7	5.7	5.7	5.7	-86.2	-118.8	-40.6	3701.1	720.8	-54.9
1164	ok	0.08	0.3	2.42e-02	5.7	5.7	5.7	5.7	-87.0	-83.4	-10.2	2255.6	464.5	139.8
1165	ok	0.08	0.2	2.03e-02	5.7	5.7	5.7	5.7	-17.7	-42.2	14.8	-623.1	-1131.1	578.5
1166	ok	0.08	0.3	2.02e-02	5.7	5.7	5.7	5.7	-14.9	-31.8	19.9	-989.8	-1668.8	478.0
1167	ok	0.08	0.3	2.00e-02	5.7	5.7	5.7	5.7	-9.2	-26.5	24.6	-1072.0	-2099.8	348.3
1168	ok	0.08	0.4	1.96e-02	5.7	5.7	5.7	5.7	-4.7	-22.9	26.1	-1039.0	-2376.9	234.6
1169	ok	0.08	0.4	2.06e-02	5.7	5.7	5.7	5.7	2.1	-22.4	26.9	-900.7	-2594.7	149.7
1170	ok	0.08	0.4	2.12e-02	5.7	5.7	5.7	5.7	7.0	-22.1	28.9	-766.5	-2664.9	139.8
1171	ok	0.08	0.4	2.13e-02	5.7	5.7	5.7	5.7	10.8	-21.1	31.7	-637.1	-2631.4	187.9
1172	ok	0.08	0.4	2.11e-02	5.7	5.7	5.7	5.7	13.5	-19.2	34.9	-528.6	-2482.2	256.8
1173	ok	0.08	0.4	2.07e-02	5.7	5.7	5.7	5.7	14.7	-16.7	37.9	-519.8	-2274.1	291.8
1174	ok	0.08	0.3	2.00e-02	5.7	5.7	5.7	5.7	15.0	-13.9	40.2	-669.1	-2045.2	256.4
1175	ok	0.08	0.3	1.91e-02	5.7	5.7	5.7	5.7	14.6	-11.2	41.6	-874.2	-1815.4	129.8
1176	ok	0.08	0.3	1.80e-02	5.7	5.7	5.7	5.7	17.3	-8.6	40.4	-1046.7	-1591.2	-98.5
1177	ok	0.08	0.3	1.67e-02	5.7	5.7	5.7	5.7	15.3	-7.1	40.0	-1123.7	-1376.1	-352.5
1178	ok	0.08	0.3	1.60e-02	5.7	5.7	5.7	5.7	13.2	-6.0	38.6	-1065.1	-1148.0	-616.5
1179	ok	0.08	0.3	1.57e-02	5.7	5.7	5.7	5.7	6.7	1.2	35.1	-861.6	-863.1	-848.4
1180	ok	0.08	0.2	1.75e-02	5.7	5.7	5.7	5.7	-1.8	2.7	41.2	-218.8	-450.4	-907.3
1181	ok	0.08	0.3	2.20e-02	5.7	5.7	5.7	5.7	-75.6	-37.3	41.6	2101.7	391.6	85.0
1182	ok	0.08	0.5	2.81e-02	5.7	5.7	5.7	5.7	-81.5	-59.5	57.4	3379.9	672.8	176.1
1183	ok	0.08	0.6	3.70e-02	5.7	5.7	5.7	5.7	-90.8	-134.6	-3.9	3952.0	762.6	42.8
1184	ok	0.08	0.4	2.76e-02	5.7	5.7	5.7	5.7	-88.9	-104.1	-8.6	2593.9	488.6	110.1
1185	ok	0.08	0.2	2.12e-02	5.7	5.7	5.7	5.7	-24.1	-48.6	13.8	-580.7	-1161.8	215.3
1186	ok	0.08	0.3	1.98e-02	5.7	5.7	5.7	5.7	-23.2	-34.2	15.2	-1078.8	-1748.7	191.8
1187	ok	0.08	0.4	1.93e-02	5.7	5.7	5.7	5.7	-15.9	-30.5	21.3	-1195.8	-2261.9	118.7
1188	ok	0.08	0.4	1.82e-02	5.7	5.7	5.7	5.7	-13.2	-22.3	22.1	-1166.7	-2595.7	54.8
1189	ok	0.08	0.5	2.03e-02	5.7	5.7	5.7	5.7	-4.8	-24.0	22.7	-975.1	-2925.5	36.4
1190	ok	0.08	0.5	2.12e-02	5.7	5.7	5.7	5.7	6.35e-02	-24.5	25.8	-788.1	-3033.7	97.2
1191	ok	0.08	0.5	2.13e-02	5.7	5.7	5.7	5.7	3.9	-23.8	29.2	-619.4	-3027.9	222.2
1192	ok	0.08	0.5	2.12e-02	5.7	5.7	5.7	5.7	6.5	-22.1	33.5	-520.2	-2895.2	374.5
1193	ok	0.08	0.4	2.06e-02	5.7	5.7	5.7	5.7	7.5	-19.3	37.4	-576.1	-2681.6	469.0
1194	ok	0.08	0.4	1.97e-02	5.7	5.7	5.7	5.7	7.4	-15.7	40.5	-822.5	-2431.7	459.8
1195	ok	0.08	0.4	1.85e-02	5.7	5.7	5.7	5.7	6.7	-12.1	42.2	-1121.3	-2177.2	328.7
1196	ok	0.08	0.3	1.72e-02	5.7	5.7	5.7	5.7	5.8	-9.0	42.9	-1355.9	-1924.4	108.5
1197	ok	0.08	0.3	1.59e-02	5.7	5.7	5.7	5.7	6.3	-6.5	41.7	-1448.0	-1667.9	-178.0
1198	ok	0.08	0.3	1.52e-02	5.7	5.7	5.7	5.7	3.5	-4.2	41.1	-1359.7	-1371.7	-438.9
1199	ok	0.08	0.3	1.62e-02	5.7	5.7	5.7	5.7	-1.6	-0.9	41.6	-1035.6	-1009.8	-643.2
1200	ok	0.08	0.2	1.98e-02	5.7	5.7	5.7	5.7	-6.5	-2.9	46.0	-232.4	-514.9	-735.3
1201	ok	0.08	0.3	2.46e-02	5.7	5.7	5.7	5.7	-82.7	-42.9	47.4	2391.6	474.1	98.6
1202	ok	0.08	0.5	2.98e-02	5.7	5.7	5.7	5.7	-85.6	-64.9	61.3	3791.8	759.5	146.6
1203	ok	0.08	0.5	3.94e-02	5.7	5.7	5.7	5.7	-87.5	-145.5	-1.3	3850.3	742.1	96.4
1204	ok	0.08	0.4	3.34e-02	5.7	5.7	5.7	5.7	-89.3	-119.2	-18.1	2595.6	489.0	126.1
1205	ok	0.08	0.2	2.40e-02	5.7	5.7	5.7	5.7	-19.4	-54.5	24.3	-693.0	-984.0	-248.2
1206	ok	0.08	0.3	2.35e-02	5.7	5.7	5.7	5.7	-31.1	-33.2	-3.5	-1011.1	-1694.3	-226.8
1207	ok	0.08	0.3	2.21e-02	5.7	5.7	5.7	5.7	-6.8	-36.7	25.3	-1313.1	-2017.4	-282.5

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
1208	ok	0.08	0.4	2.11e-02	5.7	5.7	5.7	5.7	-20.5	-15.3	9.6	-1138.1	-2324.6	-385.1
1209	ok	0.08	0.5	2.30e-02	5.7	5.7	5.7	5.7	-7.5	-30.9	18.7	-813.9	-2960.6	-100.9
1210	ok	0.08	0.5	2.09e-02	5.7	5.7	5.7	5.7	-7.7	-26.8	22.7	-659.4	-2942.4	24.8
1211	ok	0.08	0.5	2.13e-02	5.7	5.7	5.7	5.7	-2.6	-27.4	26.2	-416.2	-2985.4	227.0
1212	ok	0.08	0.5	2.13e-02	5.7	5.7	5.7	5.7	0.4	-26.4	32.0	-331.1	-2899.0	493.4
1213	ok	0.08	0.4	2.07e-02	5.7	5.7	5.7	5.7	0.9	-23.0	37.4	-497.7	-2705.5	675.5
1214	ok	0.08	0.4	1.95e-02	5.7	5.7	5.7	5.7	7.00e-02	-18.0	41.1	-900.7	-2468.1	699.5
1215	ok	0.08	0.4	1.79e-02	5.7	5.7	5.7	5.7	-1.0	-13.2	43.0	-1332.2	-2232.9	558.7
1216	ok	0.08	0.3	1.63e-02	5.7	5.7	5.7	5.7	-2.0	-9.3	43.8	-1642.3	-1998.7	322.1
1217	ok	0.08	0.3	1.50e-02	5.7	5.7	5.7	5.7	-3.1	-6.1	44.1	-1757.6	-1741.7	49.5
1218	ok	0.08	0.3	1.65e-02	5.7	5.7	5.7	5.7	-4.3	-4.3	43.9	-1623.0	-1446.1	-224.6
1219	ok	0.08	0.3	1.88e-02	5.7	5.7	5.7	5.7	-7.3	-3.1	45.4	-1204.3	-1063.6	-421.0
1220	ok	0.08	0.2	2.19e-02	5.7	5.7	5.7	5.7	-82.3	-31.6	36.7	1243.3	176.4	-83.6
1221	ok	0.08	0.4	2.61e-02	5.7	5.7	5.7	5.7	-86.1	-48.9	50.4	2621.0	521.9	108.0
1222	ok	0.08	0.6	3.08e-02	5.7	5.7	5.7	5.7	-87.9	-68.3	63.9	4053.0	808.9	117.1
1223	ok	0.08	0.1	4.86e-02	5.7	5.7	5.7	5.7	-83.5	-91.7	19.6	527.4	-145.8	-318.7
1224	ok	0.08	0.5	3.88e-02	5.7	5.7	5.7	5.7	9.8	-45.1	-15.5	-800.1	-2558.6	-1170.3
1225	ok	0.08	0.3	5.23e-02	5.7	5.7	5.7	5.7	-55.4	-92.2	64.6	-254.4	-2405.8	451.1
1226	ok	0.08	0.6	2.45e-02	5.7	5.7	5.7	5.7	7.8	-27.8	-1.7	-634.9	-3462.5	-776.6
1227	ok	0.08	0.4	2.29e-02	5.7	5.7	5.7	5.7	-17.4	-25.4	15.0	-673.4	-2430.6	-230.1
1228	ok	0.08	0.4	2.08e-02	5.7	5.7	5.7	5.7	-14.0	-28.5	18.2	-376.2	-2362.6	-67.9
1229	ok	0.08	0.4	2.13e-02	5.7	5.7	5.7	5.7	-8.4	-31.7	22.4	-47.4	-2418.5	169.1
1230	ok	0.08	0.3	3.68e-02	5.7	5.7	5.7	5.7	-82.5	-132.7	-20.3	2340.3	429.5	199.6
1231	ok	0.08	0.5	4.03e-02	5.7	5.7	5.7	5.7	-77.2	-150.8	1.3	3392.2	614.2	121.8
1232	ok	0.08	0.4	2.17e-02	5.7	5.7	5.7	5.7	-4.5	-32.5	30.4	107.8	-2429.6	566.1
1233	ok	0.08	0.4	2.09e-02	5.7	5.7	5.7	5.7	-4.1	-27.1	36.4	-313.9	-2290.5	844.1
1234	ok	0.08	0.4	1.93e-02	5.7	5.7	5.7	5.7	-6.8	-20.4	42.4	-904.6	-2123.1	933.4
1235	ok	0.08	0.4	1.73e-02	5.7	5.7	5.7	5.7	-8.3	-14.1	43.9	-1504.7	-1982.5	764.8
1236	ok	0.08	0.4	1.57e-02	5.7	5.7	5.7	5.7	-8.9	-9.7	44.5	-1894.2	-1837.6	509.2
1237	ok	0.08	0.3	1.70e-02	5.7	5.7	5.7	5.7	-9.4	-6.5	45.0	-2022.8	-1647.1	236.4
1238	ok	0.08	0.3	1.87e-02	5.7	5.7	5.7	5.7	-10.1	-5.3	45.7	-1847.9	-1398.4	-23.1
1239	ok	0.08	0.3	2.07e-02	5.7	5.7	5.7	5.7	-11.5	-4.9	47.2	-1355.9	-1036.4	-208.1
1240	ok	0.08	0.2	2.34e-02	5.7	5.7	5.7	5.7	-85.8	-37.4	40.0	1340.0	202.6	-9.8
1241	ok	0.08	0.4	2.71e-02	5.7	5.7	5.7	5.7	-87.9	-53.5	52.5	2763.7	545.6	115.4
1242	ok	0.08	0.6	3.13e-02	5.7	5.7	5.7	5.7	-88.8	-70.6	65.1	4197.3	833.0	94.3
1243	ok	0.08	0.3	4.52e-02	5.7	5.7	5.7	5.7	6.1	-56.2	-31.8	-984.1	-756.8	-1126.5
1244	ok	0.08	0.2	1.38e-02	5.7	5.7	5.7	5.7	2.9	23.7	-0.4	-639.7	9.9	-623.1
1245	ok	0.08	0.1	6.37e-02	5.7	5.7	5.7	5.7	-76.4	-88.7	27.2	-176.0	-705.2	-354.6
1246	ok	0.08	0.4	3.05e-02	5.7	5.7	5.7	5.7	4.8	-10.9	-16.6	-687.8	-1994.4	-1332.6
1247	ok	0.08	0.1	1.88e-02	5.7	5.7	5.7	5.7	-42.8	21.5	6.5	-685.0	174.0	-396.3
1248	ok	0.08	0.2	4.15e-02	5.7	5.7	5.7	5.7	-103.6	-50.6	44.5	-957.1	-929.3	374.2
1249	ok	0.08	0.3	2.06e-02	5.7	5.7	5.7	5.7	-29.5	-11.1	5.2	-593.0	-1559.9	-390.1
1250	ok	0.08	0.2	1.98e-02	5.7	5.7	5.7	5.7	-20.9	-27.6	12.7	-116.1	-1349.8	-153.4
1251	ok	0.08	0.2	2.16e-02	5.7	5.7	5.7	5.7	-12.0	-37.7	17.3	532.1	-1350.1	50.5
1252	ok	0.08	0.3	3.76e-02	5.7	5.7	5.7	5.7	-58.2	-135.0	-25.6	1764.3	229.9	174.3
1253	ok	0.08	0.4	3.94e-02	5.7	5.7	5.7	5.7	-64.1	-151.0	-33.9	2537.2	467.2	138.8
1254	ok	0.08	0.2	2.29e-02	5.7	5.7	5.7	5.7	-4.0	-42.1	29.6	760.2	-1439.3	653.3
1255	ok	0.08	0.3	2.17e-02	5.7	5.7	5.7	5.7	-12.3	-34.6	42.1	242.3	-1386.8	1050.1
1256	ok	0.08	0.3	1.91e-02	5.7	5.7	5.7	5.7	-13.9	-21.9	42.8	-897.8	-1446.8	1044.5
1257	ok	0.08	0.4	1.68e-02	5.7	5.7	5.7	5.7	-15.3	-14.2	44.3	-1655.7	-1475.8	889.8
1258	ok	0.08	0.4	1.77e-02	5.7	5.7	5.7	5.7	-14.9	-10.0	44.4	-2114.4	-1507.2	619.2
1259	ok	0.08	0.4	1.89e-02	5.7	5.7	5.7	5.7	-14.4	-7.2	45.1	-2248.2	-1436.1	364.9
1260	ok	0.08	0.3	2.04e-02	5.7	5.7	5.7	5.7	-14.2	-5.5	46.3	-2051.8	-1248.0	147.9
1261	ok	0.08	0.2	2.21e-02	5.7	5.7	5.7	5.7	-14.5	-6.4	47.8	-1486.3	-957.5	-25.6
1262	ok	0.08	0.2	2.44e-02	5.7	5.7	5.7	5.7	-87.7	-39.7	43.6	1392.7	234.2	52.6
1263	ok	0.08	0.4	2.76e-02	5.7	5.7	5.7	5.7	-88.9	-57.1	53.4	2840.5	557.4	120.1
1264	ok	0.08	0.6	3.16e-02	5.7	5.7	5.7	5.7	-88.7	-72.7	66.0	4263.1	841.3	78.2
1265	ok	0.08	0.2	3.02e-02	5.7	5.7	5.7	5.7	-39.4	-28.0	3.9	-278.1	-332.2	-1018.2
1266	ok	0.08	9.38e-02	2.68e-02	5.7	5.7	5.7	5.7	-69.4	-38.8	8.5	-304.0	-300.8	-178.8
1267	ok	0.08	0.2	5.21e-02	5.7	5.7	5.7	5.7	-60.1	-100.0	64.9	361.1	804.7	-625.2
1268	ok	0.08	0.3	2.74e-02	5.7	5.7	5.7	5.7	14.7	6.5	-12.4	-1068.7	-358.7	-898.0
1269	ok	0.08	0.2	3.59e-02	5.7	5.7	5.7	5.7	-70.2	-54.1	16.6	-7.5	556.5	-399.9
1270	ok	0.08	0.2	3.07e-02	5.7	5.7	5.7	5.7	-67.2	7.0	0.4	-988.4	-398.1	-594.1
1271	ok	0.08	0.2	4.15e-02	5.7	5.7	5.7	5.7	-27.1	-148.8	1.6	1425.0	178.0	198.8
1272	ok	0.08	0.3	2.60e-02	6.8	6.8	6.8	6.8	-15.4	-48.9	28.7	2213.2	-576.5	513.8
1273	ok	0.08	0.3	2.59e-02	6.8	6.8	6.8	6.8	-26.1	-55.2	65.8	1192.6	651.1	1262.2
1274	ok	0.08	0.3	1.87e-02	5.7	5.7	5.7	5.7	-22.8	-20.0	43.4	-887.3	-497.3	1023.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
1275	ok	0.08	0.3	1.86e-02	5.7	5.7	5.7	5.7	-21.7	-13.5	43.4	-1800.5	-850.7	837.8
1276	ok	0.08	0.4	1.93e-02	5.7	5.7	5.7	5.7	-19.8	-10.3	43.4	-2294.0	-1107.4	611.0
1277	ok	0.08	0.4	2.04e-02	5.7	5.7	5.7	5.7	-18.2	-8.1	44.3	-2422.7	-1181.0	411.0
1278	ok	0.08	0.4	2.16e-02	5.7	5.7	5.7	5.7	-17.0	-6.9	45.8	-2199.4	-1084.7	245.0
1279	ok	0.08	0.3	2.30e-02	5.7	5.7	5.7	5.7	-16.1	-6.3	47.5	-1601.3	-844.0	118.1
1280	ok	0.08	0.2	2.49e-02	5.7	5.7	5.7	5.7	-88.7	-43.7	43.7	1418.7	269.0	89.2
1281	ok	0.08	0.4	2.80e-02	5.7	5.7	5.7	5.7	-87.7	-60.9	44.0	2876.3	572.3	105.7
1282	ok	0.08	0.6	3.13e-02	5.7	5.7	5.7	5.7	-87.2	-73.2	65.5	4263.1	842.7	65.9
1283	ok	0.08	0.3	2.52e-02	6.8	6.8	6.8	6.8	-14.2	-53.6	6.7	1625.1	1303.1	-692.3
1284	ok	0.08	0.2	3.61e-02	5.7	5.7	5.7	5.7	-23.7	-112.0	24.9	234.0	100.6	-828.8
1285	ok	0.08	0.2	1.88e-02	5.7	5.7	5.7	5.7	-32.0	-33.1	-1.5	337.4	1265.3	-220.7
1286	ok	0.08	0.2	3.08e-02	5.7	5.7	5.7	5.7	-32.6	-95.8	16.3	-1.7	490.5	-918.9
1287	ok	0.08	0.2	1.85e-02	5.7	5.7	5.7	5.7	-49.8	-35.6	8.7	99.4	1402.5	-245.1
1288	ok	0.08	0.2	1.71e-02	5.7	5.7	5.7	5.7	-44.4	-30.1	-0.4	119.1	1284.0	-181.0
1289	ok	0.08	0.1	3.35e-02	5.7	5.7	5.7	5.7	4.4	-52.0	-19.2	-284.0	743.3	-513.1
1290	ok	0.08	0.3	4.49e-02	5.7	5.7	5.7	5.7	-61.7	-102.6	67.4	432.5	1906.7	-606.9
1291	ok	0.08	0.3	2.61e-02	5.7	5.7	5.7	5.7	-27.4	-23.5	-33.9	-112.8	1604.8	-353.6
1292	ok	0.08	0.4	3.82e-02	5.7	5.7	5.7	5.7	-27.3	-56.9	50.1	428.0	2740.8	-374.0
1293	ok	0.08	5.95e-02	5.79e-02	5.7	5.7	5.7	5.7	13.7	-173.7	-33.8	271.8	-452.4	-126.4
1294	ok	0.08	9.56e-02	4.05e-02	5.7	5.7	5.7	5.7	-12.0	-127.5	-32.9	101.6	-656.8	-264.6
1295	ok	0.08	0.2	3.50e-02	5.7	5.7	5.7	5.7	-36.0	-74.2	32.6	139.9	1023.0	-469.8
1296	ok	0.08	0.3	3.04e-02	5.7	5.7	5.7	5.7	-78.3	-63.5	40.0	535.8	2289.3	-366.7
1297	ok	0.08	0.5	2.56e-02	5.7	5.7	5.7	5.7	-75.8	-38.8	21.7	651.0	2863.4	-382.7
1298	ok	0.08	0.5	2.39e-02	5.7	5.7	5.7	5.7	-76.0	-25.7	7.9	551.3	3297.4	-309.5
1299	ok	0.08	0.6	2.23e-02	5.7	5.7	5.7	5.7	-78.9	-24.7	-1.5	661.7	3898.8	-248.8
1300	ok	0.08	0.6	1.82e-02	5.7	5.7	5.7	5.7	-59.8	-24.6	-11.8	691.1	3882.8	-202.9
1301	ok	0.08	0.6	1.90e-02	5.7	5.7	5.7	5.7	-38.2	-30.3	-20.7	786.8	3882.8	-162.1
1302	ok	0.08	0.7	2.39e-02	6.8	6.8	6.8	6.8	9.1	-46.3	-27.5	1331.1	5027.0	-72.9
1303	ok	0.08	0.9	4.53e-02	6.8	6.8	6.8	6.8	-72.8	-14.0	98.8	6991.5	5077.4	-1171.6
1304	ok	0.08	0.3	2.23e-02	6.8	6.8	6.8	6.8	-40.4	-29.7	50.6	1133.3	2341.9	375.9
1305	ok	0.08	0.2	1.99e-02	5.7	5.7	5.7	5.7	-31.3	-18.4	39.5	-905.5	651.5	464.5
1306	ok	0.08	0.3	2.00e-02	5.7	5.7	5.7	5.7	-27.1	-14.9	40.0	-1829.7	-278.0	458.1
1307	ok	0.08	0.4	2.07e-02	5.7	5.7	5.7	5.7	-23.5	-11.3	40.7	-2410.4	-686.2	418.5
1308	ok	0.08	0.4	2.16e-02	5.7	5.7	5.7	5.7	-21.2	-9.9	42.2	-2545.3	-899.8	352.1
1309	ok	0.08	0.4	2.27e-02	5.7	5.7	5.7	5.7	-19.3	-8.9	44.1	-2308.0	-901.7	287.0
1310	ok	0.08	0.3	2.38e-02	5.7	5.7	5.7	5.7	-18.6	-9.4	45.6	-1675.5	-740.7	234.4
1311	ok	0.08	0.2	2.52e-02	5.7	5.7	5.7	5.7	-89.8	-47.2	44.6	1410.5	293.3	106.8
1312	ok	0.08	0.4	2.72e-02	5.7	5.7	5.7	5.7	-88.2	-63.8	49.9	2872.1	576.3	100.0
1313	ok	0.08	0.6	3.19e-02	5.7	5.7	5.7	5.7	-89.6	-77.4	65.3	4235.3	826.5	52.2
1314	ok	0.08	0.2	3.89e-02	5.7	5.7	5.7	5.7	-9.4	-117.9	-0.9	806.0	78.1	-360.1
1315	ok	0.08	0.1	3.74e-02	5.7	5.7	5.7	5.7	-26.8	-116.5	2.5	447.2	-29.1	-414.3
1316	ok	0.08	6.53e-02	3.12e-02	5.7	5.7	5.7	5.7	-41.1	-78.8	-19.6	-70.6	314.0	276.7
1317	ok	0.08	0.1	2.74e-02	5.7	5.7	5.7	5.7	-45.8	-51.4	-2.0	67.0	780.8	81.3
1318	ok	0.08	0.2	2.40e-02	5.7	5.7	5.7	5.7	-50.8	-44.0	-2.2	111.6	1158.0	-14.4
1319	ok	0.08	0.2	2.19e-02	5.7	5.7	5.7	5.7	-51.1	-39.9	-1.3	173.2	1383.1	-111.2
1320	ok	0.08	0.2	2.06e-02	5.7	5.7	5.7	5.7	-47.8	-36.1	-4.33e-02	209.7	1486.4	-177.7
1321	ok	0.08	0.2	1.83e-02	5.7	5.7	5.7	5.7	-38.0	-31.9	0.9	257.8	1458.3	-219.2
1322	ok	0.08	0.2	1.56e-02	5.7	5.7	5.7	5.7	-21.2	-25.9	-1.5	439.6	1380.0	-156.4
1323	ok	0.08	0.2	1.57e-02	6.8	6.8	6.8	6.8	2.8	-7.7	-15.1	1406.1	1652.5	225.2
1324	ok	0.08	0.7	2.27e-02	6.8	6.8	6.8	6.8	-54.5	15.5	36.6	5285.0	1829.3	-230.1
1325	ok	0.08	0.3	2.05e-02	6.8	6.8	6.8	6.8	-31.1	-21.1	41.4	1609.8	1909.6	-835.9
1326	ok	0.08	0.1	1.97e-02	5.7	5.7	5.7	5.7	-30.7	-15.1	36.3	-656.5	704.5	-76.3
1327	ok	0.08	0.3	2.04e-02	5.7	5.7	5.7	5.7	-27.2	-14.4	36.6	-1793.1	-71.8	116.8
1328	ok	0.08	0.4	2.12e-02	5.7	5.7	5.7	5.7	-24.6	-12.7	38.4	-2382.3	-545.5	214.2
1329	ok	0.08	0.4	2.22e-02	5.7	5.7	5.7	5.7	-22.3	-11.6	40.4	-2542.0	-785.7	259.1
1330	ok	0.08	0.4	2.32e-02	5.7	5.7	5.7	5.7	-20.3	-10.7	42.5	-2317.7	-819.0	279.3
1331	ok	0.08	0.3	2.42e-02	5.7	5.7	5.7	5.7	-19.6	-10.7	43.9	-1697.7	-678.5	293.6
1332	ok	0.08	0.2	2.55e-02	5.7	5.7	5.7	5.7	-91.2	-49.5	42.7	1376.9	289.8	114.1
1333	ok	0.08	0.4	2.80e-02	5.7	5.7	5.7	5.7	-90.4	-64.6	51.8	2834.2	567.0	78.9
1334	ok	0.08	0.6	3.14e-02	5.7	5.7	5.7	5.7	-89.2	-78.9	62.6	4210.3	824.7	32.8
1335	ok	0.08	0.3	3.06e-02	5.7	5.7	5.7	5.7	-50.1	-86.3	21.5	1828.8	383.2	-380.2
1336	ok	0.08	0.2	2.95e-02	5.7	5.7	5.7	5.7	-53.0	-98.3	7.8	1011.3	242.3	-443.5
1337	ok	0.08	7.85e-02	2.76e-02	5.7	5.7	5.7	5.7	-60.2	-70.3	20.4	478.5	161.9	46.1
1338	ok	0.08	8.33e-02	2.55e-02	5.7	5.7	5.7	5.7	-39.6	-51.3	-12.9	-334.7	-22.4	296.9
1339	ok	0.08	6.41e-02	2.33e-02	5.7	5.7	5.7	5.7	-40.2	-42.9	0.3	-182.2	279.1	122.4
1340	ok	0.08	5.96e-02	2.11e-02	5.7	5.7	5.7	5.7	-40.7	-39.2	-2.3	-149.0	389.2	-15.3
1341	ok	0.08	8.07e-02	2.03e-02	5.7	5.7	5.7	5.7	-38.2	-35.6	-4.4	-87.3	488.7	-143.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
1342	ok	0.08	0.1	1.91e-02	5.7	5.7	5.7	5.7	-33.1	-30.4	-7.0	55.3	582.0	-223.3
1343	ok	0.08	0.1	1.76e-02	5.7	5.7	5.7	5.7	-26.6	-21.1	-11.1	432.1	666.8	-203.4
1344	ok	0.08	0.2	1.63e-02	5.7	5.7	5.7	5.7	-25.6	-3.8	-13.5	1263.7	638.3	-92.6
1345	ok	0.08	0.6	1.94e-02	5.7	5.7	5.7	5.7	-34.8	-8.4	35.6	3677.0	904.2	-215.3
1346	ok	0.08	0.3	1.85e-02	5.7	5.7	5.7	5.7	-30.6	-18.5	37.8	1648.9	637.6	-452.1
1347	ok	0.08	9.79e-02	1.94e-02	5.7	5.7	5.7	5.7	-27.1	-16.8	33.8	-437.5	317.2	-376.2
1348	ok	0.08	0.3	2.05e-02	5.7	5.7	5.7	5.7	-26.1	-15.7	34.8	-1630.1	-187.7	-144.3
1349	ok	0.08	0.4	2.15e-02	5.7	5.7	5.7	5.7	-24.6	-14.5	36.6	-2263.1	-560.9	28.7
1350	ok	0.08	0.4	2.25e-02	5.7	5.7	5.7	5.7	-22.8	-13.5	38.7	-2456.4	-765.1	163.0
1351	ok	0.08	0.4	2.35e-02	5.7	5.7	5.7	5.7	-20.9	-12.6	40.8	-2262.0	-792.4	262.9
1352	ok	0.08	0.3	2.44e-02	5.7	5.7	5.7	5.7	-19.0	-11.8	43.0	-1686.9	-653.6	327.9
1353	ok	0.08	0.2	2.56e-02	5.7	5.7	5.7	5.7	-91.4	-49.8	42.7	1325.8	296.5	115.4
1354	ok	0.08	0.4	2.78e-02	5.7	5.7	5.7	5.7	-90.6	-64.8	50.5	2777.5	563.1	45.9
1355	ok	0.08	0.6	3.10e-02	5.7	5.7	5.7	5.7	-89.0	-79.8	28.7	4146.8	812.9	-25.8
1356	ok	0.08	0.4	2.90e-02	5.7	5.7	5.7	5.7	-77.8	-85.4	20.8	2754.4	600.8	-308.4
1357	ok	0.08	0.2	2.44e-02	5.7	5.7	5.7	5.7	-75.8	-69.2	27.4	1583.3	429.6	-326.6
1358	ok	0.08	0.1	2.40e-02	5.7	5.7	5.7	5.7	-74.4	-59.2	23.1	711.1	295.2	53.4
1359	ok	0.08	0.1	2.36e-02	5.7	5.7	5.7	5.7	-28.7	-46.9	-6.2	-541.5	-413.0	282.2
1360	ok	0.08	0.1	2.25e-02	5.7	5.7	5.7	5.7	-34.6	-35.9	-11.9	-627.8	-495.6	163.8
1361	ok	0.08	9.58e-02	2.09e-02	5.7	5.7	5.7	5.7	-36.7	-28.8	-14.8	-611.2	-483.1	21.0
1362	ok	0.08	8.85e-02	2.02e-02	5.7	5.7	5.7	5.7	-36.2	-24.0	-16.9	-521.8	-384.9	-115.8
1363	ok	0.08	7.33e-02	1.98e-02	5.7	5.7	5.7	5.7	-34.0	-20.0	-19.1	-306.7	-206.6	-221.7
1364	ok	0.08	8.30e-02	1.91e-02	5.7	5.7	5.7	5.7	-32.6	-18.8	-12.1	389.6	192.4	-206.4
1365	ok	0.08	0.2	1.79e-02	5.7	5.7	5.7	5.7	-35.5	-9.8	-10.1	1235.8	353.7	-204.2
1366	ok	0.08	0.5	1.77e-02	5.7	5.7	5.7	5.7	-32.9	-14.5	32.9	3339.8	684.7	-216.5
1367	ok	0.08	0.2	1.85e-02	5.7	5.7	5.7	5.7	-31.0	-17.7	35.2	1406.0	323.9	-379.4
1368	ok	0.08	0.1	1.95e-02	5.7	5.7	5.7	5.7	-38.9	-45.0	23.9	-408.2	-167.1	-301.7
1369	ok	0.08	0.3	2.05e-02	5.7	5.7	5.7	5.7	-25.6	-16.9	34.1	-1470.8	-380.9	-288.1
1370	ok	0.08	0.3	2.16e-02	5.7	5.7	5.7	5.7	-24.8	-16.0	35.4	-2094.2	-650.9	-97.9
1371	ok	0.08	0.4	2.27e-02	5.7	5.7	5.7	5.7	-23.4	-15.2	37.2	-2303.4	-802.9	94.4
1372	ok	0.08	0.3	2.36e-02	5.7	5.7	5.7	5.7	-21.6	-14.6	39.1	-2146.5	-805.6	257.4
1373	ok	0.08	0.3	2.46e-02	5.7	5.7	5.7	5.7	-19.4	-13.7	41.3	-1620.6	-661.4	375.9
1374	ok	0.08	0.2	2.57e-02	5.7	5.7	5.7	5.7	-91.0	-49.0	43.1	1250.7	292.7	117.7
1375	ok	0.08	0.4	2.75e-02	5.7	5.7	5.7	5.7	-89.5	-63.4	13.6	2674.0	550.9	-55.9
1376	ok	0.08	0.6	3.04e-02	5.7	5.7	5.7	5.7	-88.9	-79.2	26.1	4044.9	793.4	-56.2
1377	ok	0.08	0.5	2.97e-02	5.7	5.7	5.7	5.7	-92.9	-81.5	18.4	3365.2	739.8	-188.6
1378	ok	0.08	0.3	2.41e-02	5.7	5.7	5.7	5.7	-89.3	-61.3	22.9	1967.9	544.4	-200.6
...														
1523	ok	0.08	4.19e-02	3.83e-03	5.7	5.7	5.7	5.7	37.5	9.2	-31.0	217.5	-231.2	-70.4
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-131.23	-173.70	-42.79	-2545.31	-3462.53	-1332.56
		0.08	0.87	0.06	6.79	6.79	6.79	6.79	121.42	55.07	98.82	6991.52	5077.39	1262.16

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
1081	ok	0.69						
1082	ok	0.90						
1083	ok	1.09						
1084	ok	1.46						
1085	ok	1.68						
1086	ok	1.80						
1087	ok	1.83						
1088	ok	1.83						
1089	ok	1.83						
1090	ok	1.79						
1091	ok	1.70						
1092	ok	1.59						
1093	ok	1.51						
1094	ok	1.47						
1095	ok	1.45						
1096	ok	1.41						
1097	ok	1.33						
1098	ok	1.16						
1099	ok	0.93						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1100	ok	0.93						
1101	ok	0.60						
1102	ok	1.70						
1103	ok	1.59						
1104	ok	1.51						
1105	ok	1.47						
1106	ok	1.45						
1107	ok	1.41						
1108	ok	1.33						
1109	ok	1.16						
1110	ok	1.01						
1111	ok	0.97						
1112	ok	1.79						
1113	ok	1.83						
1114	ok	1.83						
1115	ok	1.83						
1116	ok	1.80						
1117	ok	1.68						
1118	ok	1.46						
1119	ok	1.09						
1120	ok	0.94						
1121	ok	0.94						
1122	ok	0.97						
1123	ok	1.19						
1124	ok	0.97						
1125	ok	1.22						
1126	ok	1.31						
1127	ok	1.19						
1128	ok	1.33						
1129	ok	1.38						
1130	ok	1.40						
1131	ok	1.40						
1132	ok	1.38						
1133	ok	1.32						
1134	ok	1.26						
1135	ok	1.21						
1136	ok	1.17						
1137	ok	1.14						
1138	ok	1.09						
1139	ok	0.99						
1140	ok	1.01						
1141	ok	1.01						
1142	ok	0.97						
1143	ok	1.40						
1144	ok	1.40						
1145	ok	0.89						
1146	ok	0.81						
1147	ok	0.92						
1148	ok	0.98						
1149	ok	1.00						
1150	ok	1.00						
1151	ok	0.99						
1152	ok	0.96						
1153	ok	0.93						
1154	ok	0.91						
1155	ok	0.90						
1156	ok	0.87						
1157	ok	0.83						
1158	ok	0.75						
1159	ok	0.65						
1160	ok	0.78						
1161	ok	0.98						
1162	ok	0.98						
1163	ok	1.53						
1164	ok	1.53						
1165	ok	1.02						
1166	ok	0.58						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1167	ok	0.61						
1168	ok	0.64						
1169	ok	0.66						
1170	ok	0.66						
1171	ok	0.66						
1172	ok	0.65						
1173	ok	0.64						
1174	ok	0.65						
1175	ok	0.65						
1176	ok	0.65						
1177	ok	0.62						
1178	ok	0.57						
1179	ok	0.59						
1180	ok	0.86						
1181	ok	1.17						
1182	ok	1.17						
1183	ok	1.54						
1184	ok	1.54						
1185	ok	1.06						
1186	ok	0.65						
1187	ok	0.35						
1188	ok	0.40						
1189	ok	0.42						
1190	ok	0.42						
1191	ok	0.42						
1192	ok	0.43						
1193	ok	0.44						
1194	ok	0.46						
1195	ok	0.47						
1196	ok	0.47						
1197	ok	0.45						
1198	ok	0.45						
1199	ok	0.67						
1200	ok	0.97						
1201	ok	1.30						
1202	ok	1.30						
1203	ok	1.54						
1204	ok	1.54						
1205	ok	1.06						
1206	ok	0.89						
1207	ok	0.91						
1208	ok	0.91						
1209	ok	0.53						
1210	ok	0.59						
1211	ok	0.59						
1212	ok	0.59						
1213	ok	0.49						
1214	ok	0.35						
1215	ok	0.31						
1216	ok	0.32						
1217	ok	0.33						
1218	ok	0.48						
1219	ok	0.73						
1220	ok	1.05						
1221	ok	1.38						
1222	ok	1.38						
1223	ok	1.09						
1224	ok	0.89						
1225	ok	0.91						
1226	ok	0.91						
1227	ok	0.94						
1228	ok	1.04						
1229	ok	1.12						
1230	ok	1.50						
1231	ok	1.50						
1232	ok	1.12						
1233	ok	0.99						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1234	ok	0.74						
1235	ok	0.48						
1236	ok	0.24						
1237	ok	0.32						
1238	ok	0.50						
1239	ok	0.77						
1240	ok	1.10						
1241	ok	1.42						
1242	ok	1.42						
1243	ok	1.84						
1244	ok	0.67						
1245	ok	1.16						
1246	ok	1.16						
1247	ok	0.67						
1248	ok	1.49						
1249	ok	1.52						
1250	ok	1.52						
1251	ok	1.83						
1252	ok	1.34						
1253	ok	1.34						
1254	ok	1.83						
1255	ok	1.66						
1256	ok	1.20						
1257	ok	0.75						
1258	ok	0.40						
1259	ok	0.32						
1260	ok	0.50						
1261	ok	0.78						
1262	ok	1.12						
1263	ok	1.43						
1264	ok	1.43						
1265	ok	0.67						
1266	ok	1.64						
1267	ok	0.67						
1268	ok	1.26						
1269	ok	1.26						
1270	ok	1.64						
1271	ok	1.03						
1272	ok	3.48						
1273	ok	3.17						
1274	ok	1.71						
1275	ok	1.00						
1276	ok	0.54						
1277	ok	0.31						
1278	ok	0.50						
1279	ok	0.78						
1280	ok	1.12						
1281	ok	1.43						
1282	ok	1.43						
1283	ok	3.48						
1284	ok	1.03						
1285	ok	1.80						
1286	ok	1.00						
1287	ok	1.73						
1288	ok	1.73						
1289	ok	1.29						
1290	ok	1.29						
1291	ok	2.03						
1292	ok	2.03						
1293	ok	0.78						
1294	ok	0.78						
1295	ok	1.00						
1296	ok	1.29						
1297	ok	2.03						
1298	ok	2.03						
1299	ok	1.73						
1300	ok	1.73						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1301	ok	1.80						
1302	ok	3.48						
1303	ok	3.70						
1304	ok	3.70						
1305	ok	1.83						
1306	ok	1.07						
1307	ok	0.59						
1308	ok	0.30						
1309	ok	0.49						
1310	ok	0.77						
1311	ok	1.11						
1312	ok	1.41						
1313	ok	1.41						
1314	ok	0.68						
1315	ok	0.68						
1316	ok	0.73						
1317	ok	1.01						
1318	ok	1.14						
1319	ok	1.17						
1320	ok	1.17						
1321	ok	1.05						
1322	ok	0.74						
1323	ok	1.57						
1324	ok	3.70						
1325	ok	3.70						
1326	ok	1.83						
1327	ok	1.07						
1328	ok	0.59						
1329	ok	0.28						
1330	ok	0.47						
1331	ok	0.75						
1332	ok	1.10						
1333	ok	1.41						
1334	ok	1.41						
1335	ok	0.87						
1336	ok	0.87						
1337	ok	0.65						
1338	ok	0.66						
1339	ok	0.79						
1340	ok	0.83						
1341	ok	0.83						
1342	ok	0.75						
1343	ok	0.58						
1344	ok	0.66						
1345	ok	1.82						
1346	ok	1.82						
1347	ok	1.46						
1348	ok	0.98						
1349	ok	0.58						
1350	ok	0.26						
1351	ok	0.46						
1352	ok	0.73						
1353	ok	1.07						
1354	ok	1.38						
1355	ok	1.38						
1356	ok	1.04						
1357	ok	1.04						
1358	ok	0.76						
1359	ok	0.48						
1360	ok	0.53						
1361	ok	0.56						
1362	ok	0.56						
1363	ok	0.54						
1364	ok	0.63						
1365	ok	0.87						
1366	ok	1.28						
1367	ok	1.28						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
1368	ok	1.16						
1369	ok	0.86						
1370	ok	0.54						
1371	ok	0.25						
1372	ok	0.44						
1373	ok	0.70						
1374	ok	1.04						
1375	ok	1.35						
1376	ok	1.35						
1377	ok	1.13						
1378	ok	1.13						
...								
1523	ok	0.59						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		3.70						

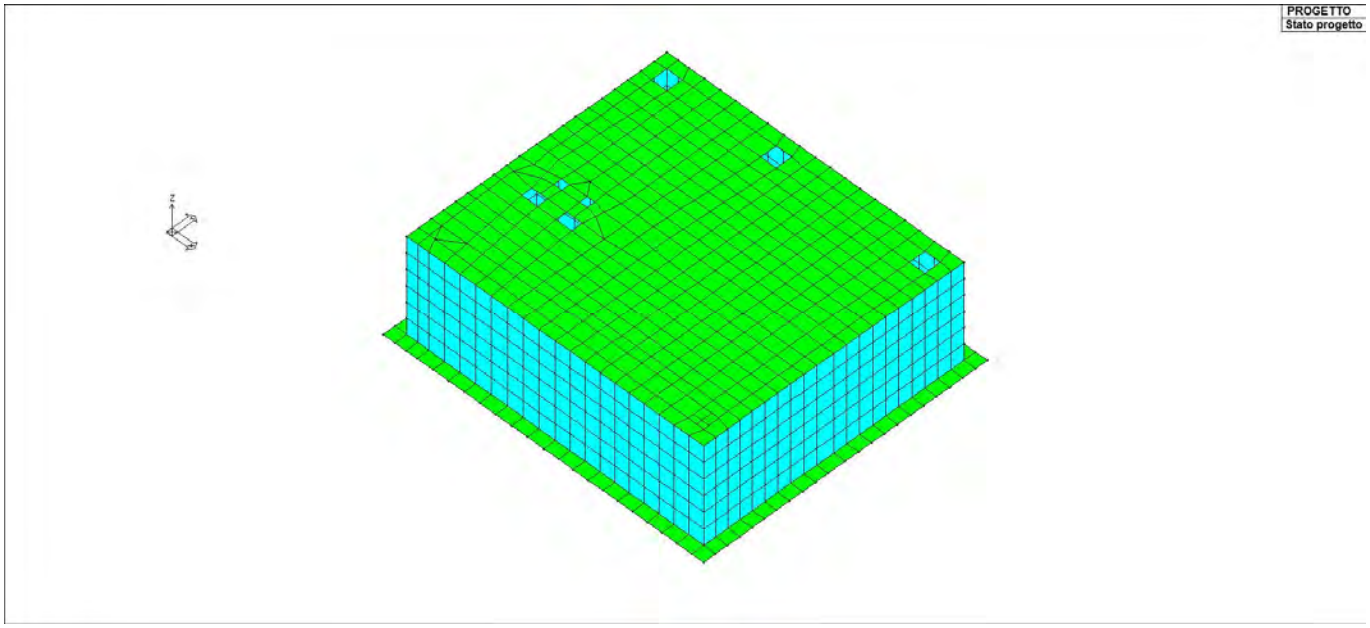


Figura 58 - CA_D3_01_Stato progetto

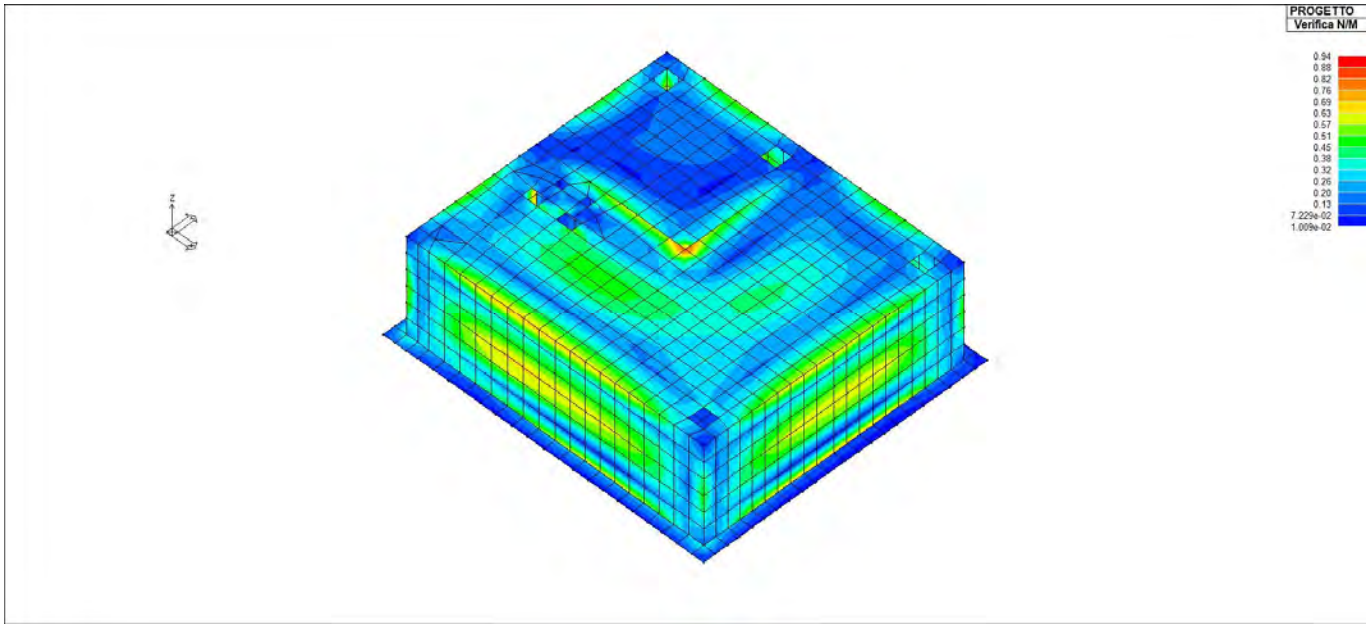


Figura 59 - CA_D3_02_Verifica NM

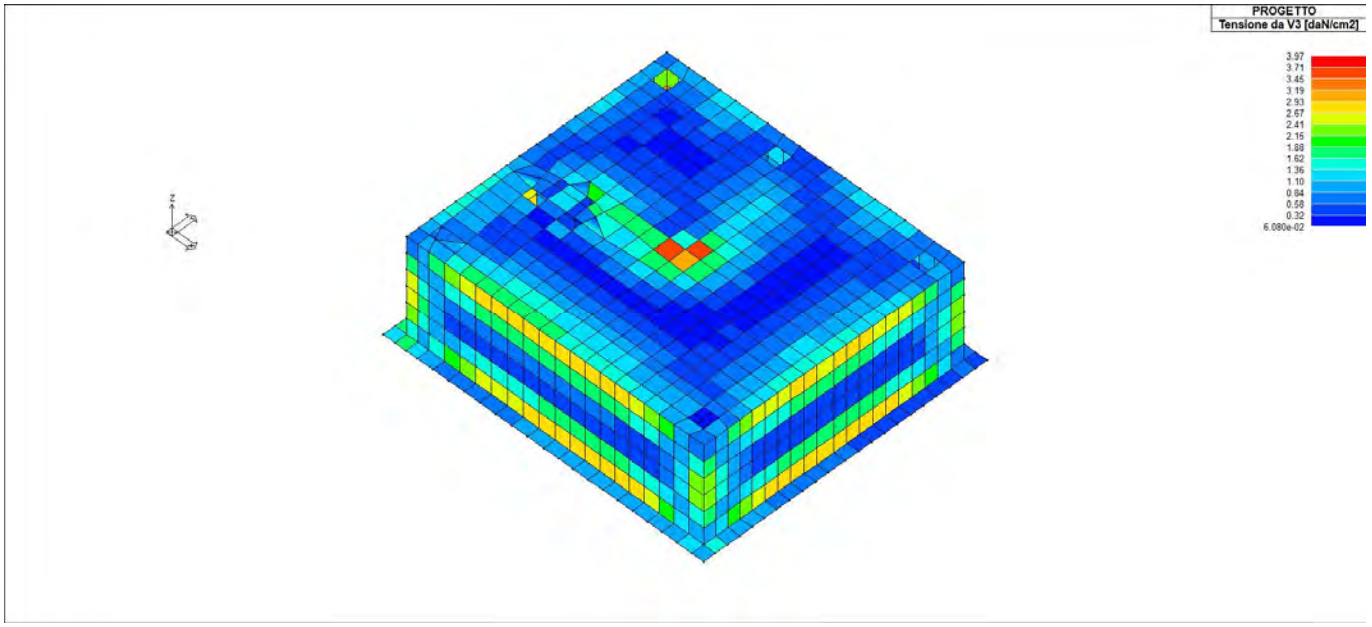


Figura 60 - CA_D3_05_Tensione da V3

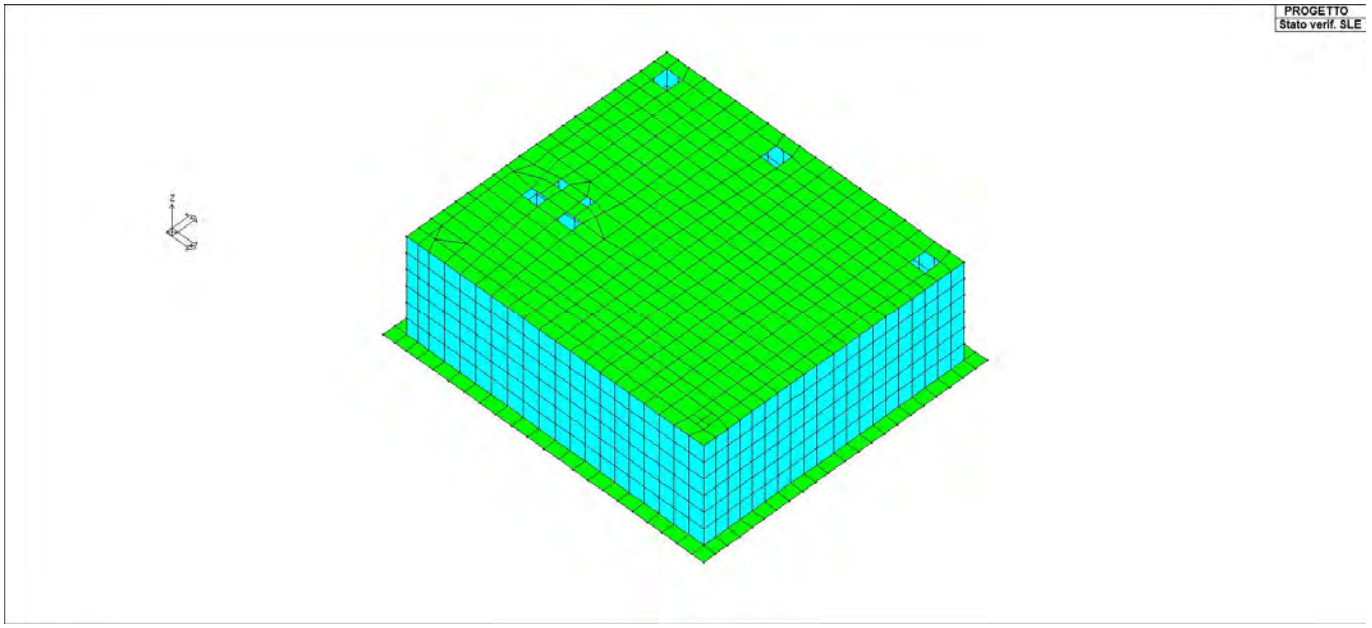


Figura 61 - CA_D3_17_Stato verif SLE

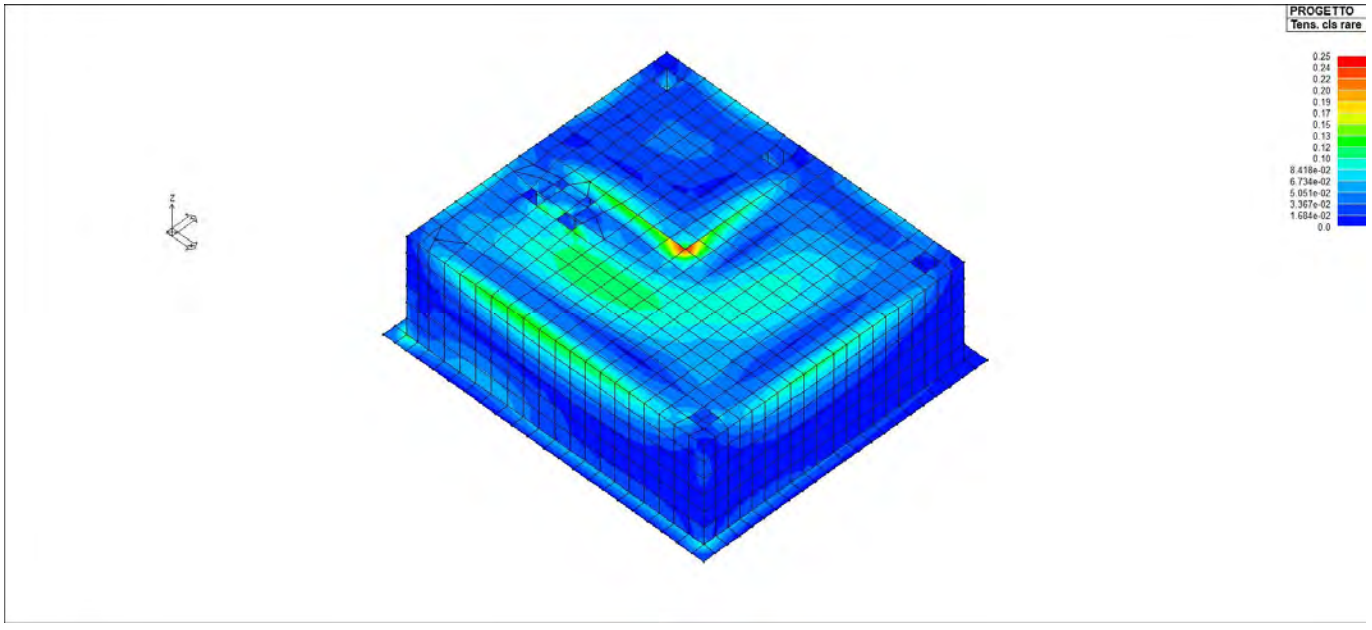


Figura 62 - CA_D3_21_Tens cls rare

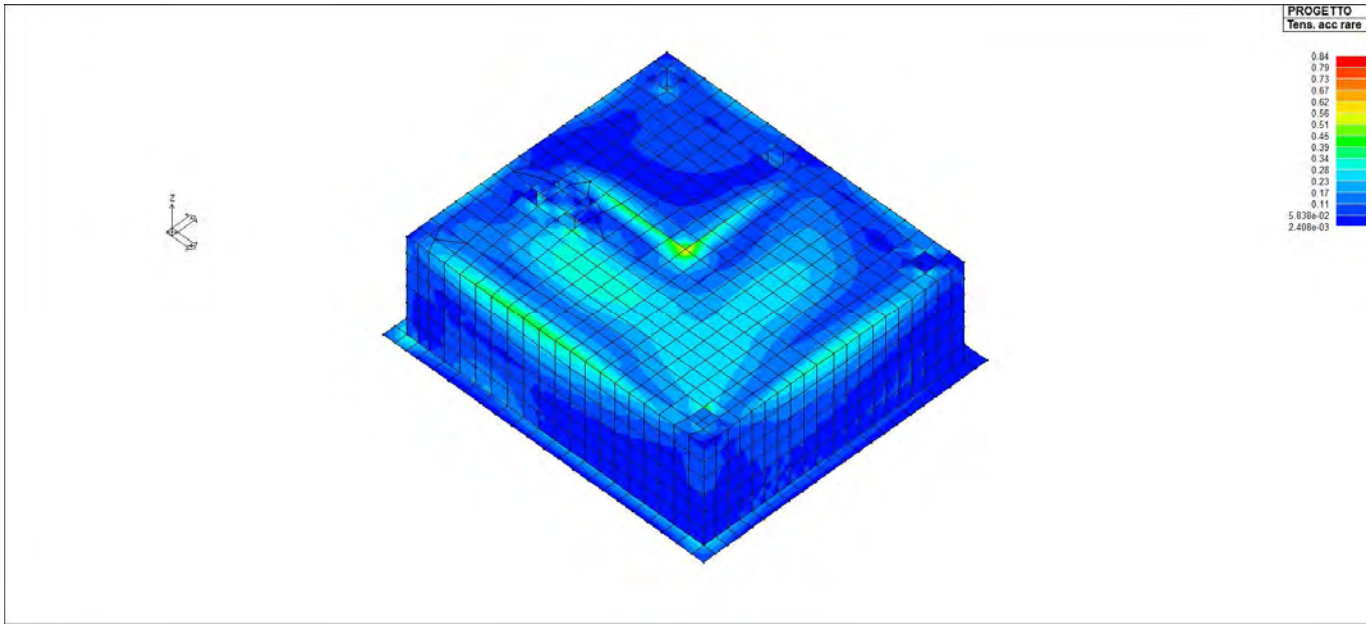


Figura 63 - CA_D3_22_Tens acc rare

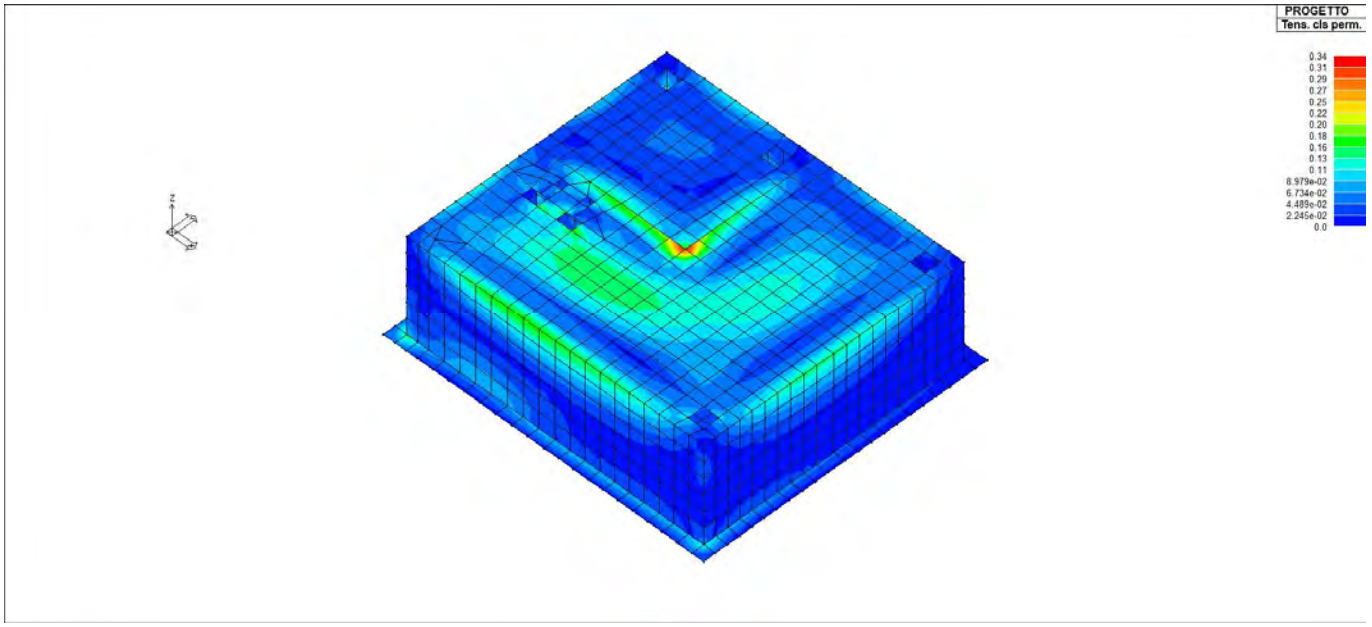


Figura 64 - CA_D3_23_Tens cls perm

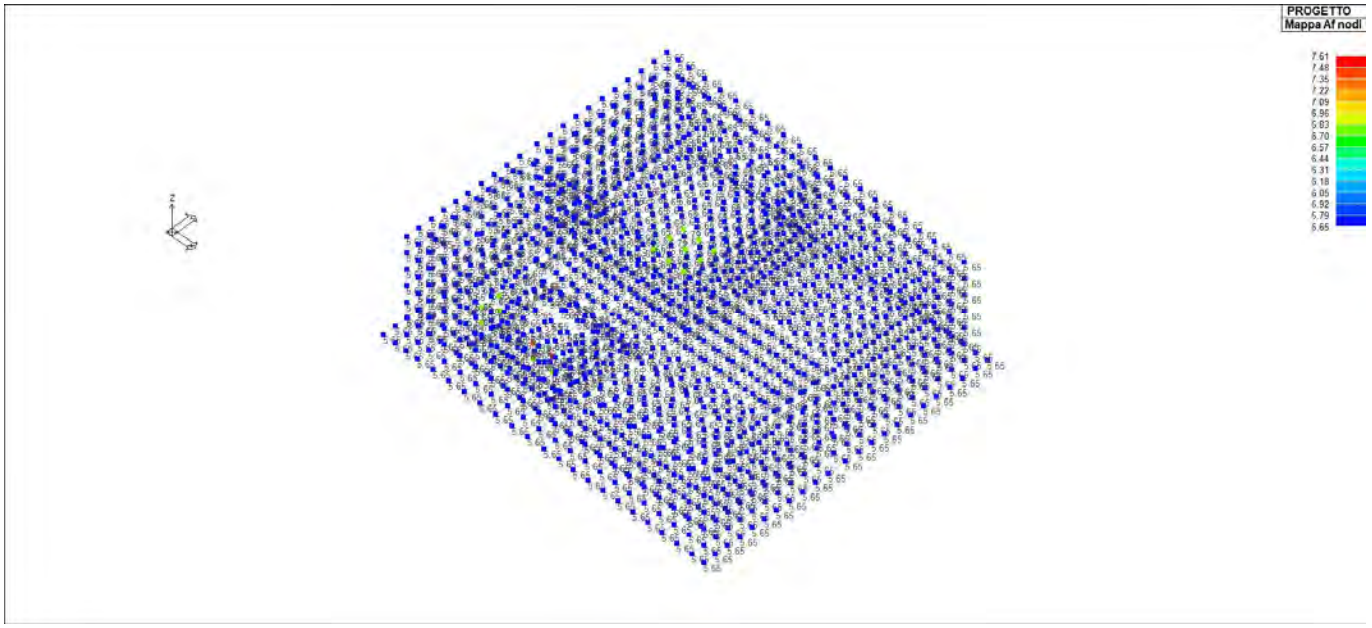


Figura 65 - CA_D3_25_Mappa Af nodi

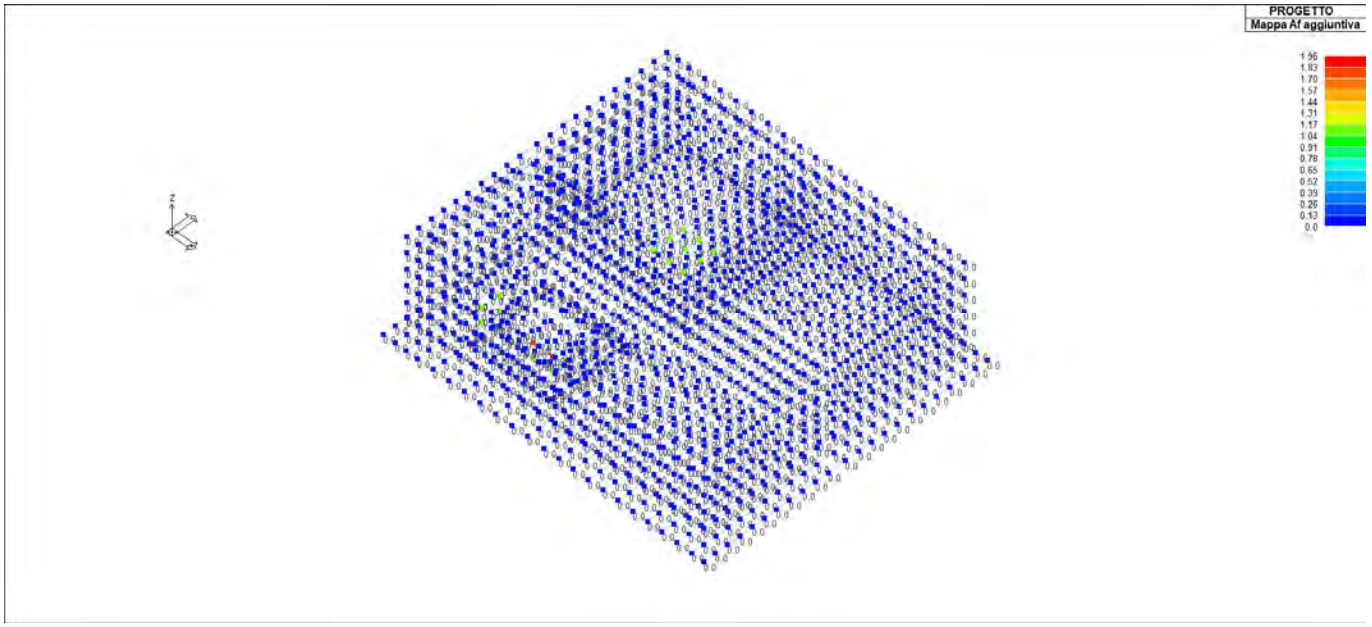


Figura 66 - CA_D3_26_Mappa Af aggiuntiva

15 STATI LIMITE D' ESERCIZIO

15.1 LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

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

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

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

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
37	0.02	0.25	0.03	6,6,10	0.0	0.0	0.0	0,0,0
38	0.04	0.25	0.06	6,6,10	0.0	0.0	0.0	0,0,0
39	0.04	0.24	0.06	6,6,10	0.0	0.0	0.0	0,0,0
40	0.03	0.28	0.04	6,6,10	0.0	0.0	0.0	0,0,0
41	0.03	0.22	0.03	6,6,10	0.0	0.0	0.0	0,0,0
42	0.02	0.25	0.03	5,6,9	0.0	0.0	0.0	0,0,0
43	0.03	0.22	0.05	6,6,10	0.0	0.0	0.0	0,0,0
44	0.03	0.22	0.05	5,5,9	0.0	0.0	0.0	0,0,0
45	0.03	0.22	0.04	5,6,9	0.0	0.0	0.0	0,0,0
46	0.03	0.22	0.05	5,6,9	0.0	0.0	0.0	0,0,0
47	0.02	0.20	0.03	5,6,9	0.0	0.0	0.0	0,0,0
48	0.02	0.23	0.03	5,6,9	0.0	0.0	0.0	0,0,0
49	0.02	0.26	0.03	6,6,10	0.0	0.0	0.0	0,0,0
50	0.05	0.30	0.06	6,6,10	0.0	0.0	0.0	0,0,0
51	0.05	0.30	0.07	6,6,10	0.0	0.0	0.0	0,0,0
52	0.04	0.28	0.05	6,6,10	0.0	0.0	0.0	0,0,0
53	0.07	0.55	0.10	6,6,10	0.0	0.0	0.0	0,0,0
54	0.08	0.24	0.11	6,6,10	0.0	0.0	0.0	0,0,0
55	0.09	0.24	0.12	6,6,10	0.0	0.0	0.0	0,0,0
56	0.11	0.82	0.14	6,6,10	0.0	0.0	0.0	0,0,0
57	0.05	0.49	0.07	6,6,10	0.0	0.0	0.0	0,0,0
58	0.10	0.80	0.13	5,5,9	0.0	0.0	0.0	0,0,0
59	0.05	0.19	0.07	6,6,10	0.0	0.0	0.0	0,0,0
60	0.10	0.27	0.13	5,5,9	0.0	0.0	0.0	0,0,0
61	0.05	0.17	0.06	6,6,10	0.0	0.0	0.0	0,0,0
62	0.07	0.16	0.10	5,5,9	0.0	0.0	0.0	0,0,0
63	0.04	0.30	0.05	6,5,10	0.0	0.0	0.0	0,0,0
64	0.06	0.65	0.07	5,6,9	0.0	0.0	0.0	0,0,0
65	0.07	0.34	0.10	5,5,9	0.0	0.0	0.0	0,0,0
66	0.08	0.32	0.11	6,6,10	0.0	0.0	0.0	0,0,0
67	0.09	0.42	0.12	6,6,10	0.0	0.0	0.0	0,0,0
68	0.10	0.79	0.13	6,6,10	0.0	0.0	0.0	0,0,0
537	0.07	0.20	0.09	5,5,9	0.0	0.0	0.0	0,0,0
538	0.05	0.10	0.06	6,6,10	0.0	0.0	0.0	0,0,0
539	0.05	0.11	0.07	6,6,10	0.0	0.0	0.0	0,0,0
540	0.06	0.16	0.08	6,6,10	0.0	0.0	0.0	0,0,0
541	0.07	0.19	0.09	6,6,10	0.0	0.0	0.0	0,0,0
542	0.07	0.21	0.09	6,6,10	0.0	0.0	0.0	0,0,0
543	0.07	0.18	0.09	6,6,10	0.0	0.0	0.0	0,0,0
544	0.06	0.15	0.08	6,6,10	0.0	0.0	0.0	0,0,0
545	0.04	0.13	0.05	6,6,10	0.0	0.0	0.0	0,0,0
546	0.03	0.09	0.04	6,6,10	0.0	0.0	0.0	0,0,0
547	0.03	0.05	0.03	5,6,9	0.0	0.0	0.0	0,0,0
548	0.03	0.02	0.04	5,5,9	0.0	0.0	0.0	0,0,0
549	0.03	0.02	0.04	5,5,9	0.0	0.0	0.0	0,0,0
550	0.03	0.02	0.04	6,6,10	0.0	0.0	0.0	0,0,0
551	0.03	0.02	0.04	6,6,10	0.0	0.0	0.0	0,0,0
552	0.03	0.02	0.04	6,6,10	0.0	0.0	0.0	0,0,0
553	0.03	0.02	0.04	6,6,10	0.0	0.0	0.0	0,0,0
554	0.03	0.02	0.04	6,6,10	0.0	0.0	0.0	0,0,0
555	0.02	0.02	0.03	6,6,10	0.0	0.0	0.0	0,0,0
556	0.05	0.06	0.06	6,5,10	0.0	0.0	0.0	0,0,0
557	0.06	0.12	0.08	5,5,9	0.0	0.0	0.0	0,0,0
558	0.05	0.05	0.06	6,5,10	0.0	0.0	0.0	0,0,0
559	0.03	0.18	0.05	6,5,10	0.0	0.0	0.0	0,0,0
560	0.02	0.03	0.03	6,5,10	0.0	0.0	0.0	0,0,0
561	0.05	0.22	0.06	6,5,10	0.0	0.0	0.0	0,0,0
562	0.03	0.07	0.04	5,5,9	0.0	0.0	0.0	0,0,0
563	0.06	0.25	0.08	6,6,10	0.0	0.0	0.0	0,0,0
564	0.03	0.09	0.04	5,5,9	0.0	0.0	0.0	0,0,0
565	0.06	0.31	0.09	6,6,10	0.0	0.0	0.0	0,0,0
566	0.03	0.10	0.04	5,5,9	0.0	0.0	0.0	0,0,0
567	0.06	0.30	0.09	6,6,10	0.0	0.0	0.0	0,0,0
568	0.03	0.11	0.04	5,5,9	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
569	0.06	0.24	0.07	6,5,10	0.0	0.0	0.0	0,0,0
570	0.03	0.10	0.04	6,5,10	0.0	0.0	0.0	0,0,0
571	0.05	0.23	0.06	6,5,10	0.0	0.0	0.0	0,0,0
572	0.02	0.09	0.03	6,5,10	0.0	0.0	0.0	0,0,0
573	0.05	0.27	0.07	5,5,9	0.0	0.0	0.0	0,0,0
574	0.02	0.08	0.03	6,5,10	0.0	0.0	0.0	0,0,0
575	0.05	0.34	0.07	5,5,9	0.0	0.0	0.0	0,0,0
576	0.02	0.08	0.02	6,5,10	0.0	0.0	0.0	0,0,0
577	0.06	0.24	0.08	6,5,10	0.0	0.0	0.0	0,0,0
578	0.09	0.35	0.13	6,6,10	0.0	0.0	0.0	0,0,0
579	0.16	0.52	0.22	6,6,10	0.0	0.0	0.0	0,0,0
580	0.20	0.64	0.26	6,6,10	0.0	0.0	0.0	0,0,0
581	0.22	0.74	0.29	6,6,10	0.0	0.0	0.0	0,0,0
582	0.23	0.83	0.30	6,6,10	0.0	0.0	0.0	0,0,0
583	0.22	0.84	0.30	6,6,10	0.0	0.0	0.0	0,0,0
584	0.20	0.64	0.26	6,6,10	0.0	0.0	0.0	0,0,0
585	0.13	0.37	0.18	6,6,10	0.0	0.0	0.0	0,0,0
586	0.08	0.26	0.11	5,5,9	0.0	0.0	0.0	0,0,0
587	0.05	0.35	0.07	6,6,10	0.0	0.0	0.0	0,0,0
588	0.11	0.36	0.15	5,5,9	0.0	0.0	0.0	0,0,0
589	0.02	0.07	0.02	5,6,9	0.0	0.0	0.0	0,0,0
590	0.09	0.26	0.12	6,6,10	0.0	0.0	0.0	0,0,0
591	0.07	0.20	0.09	5,5,9	0.0	0.0	0.0	0,0,0
592	0.01	0.07	0.02	5,6,9	0.0	0.0	0.0	0,0,0
593	0.14	0.29	0.18	6,6,10	0.0	0.0	0.0	0,0,0
594	0.11	0.24	0.14	6,6,10	0.0	0.0	0.0	0,0,0
595	0.01	0.07	0.02	5,6,9	0.0	0.0	0.0	0,0,0
596	0.16	0.33	0.22	6,6,10	0.0	0.0	0.0	0,0,0
597	0.13	0.28	0.18	6,6,10	0.0	0.0	0.0	0,0,0
598	0.01	0.07	0.02	5,6,9	0.0	0.0	0.0	0,0,0
599	0.17	0.34	0.23	6,6,10	0.0	0.0	0.0	0,0,0
600	0.15	0.29	0.19	6,6,10	0.0	0.0	0.0	0,0,0
601	0.01	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
602	0.17	0.31	0.23	6,6,10	0.0	0.0	0.0	0,0,0
603	0.15	0.28	0.19	6,6,10	0.0	0.0	0.0	0,0,0
604	0.01	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
605	0.17	0.28	0.22	6,6,10	0.0	0.0	0.0	0,0,0
606	0.14	0.24	0.19	6,6,10	0.0	0.0	0.0	0,0,0
607	0.01	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
608	0.14	0.21	0.18	6,6,10	0.0	0.0	0.0	0,0,0
609	0.12	0.20	0.16	6,6,10	0.0	0.0	0.0	0,0,0
610	0.01	0.05	0.02	6,6,10	0.0	0.0	0.0	0,0,0
611	0.09	0.11	0.12	6,6,10	0.0	0.0	0.0	0,0,0
612	0.08	0.14	0.11	6,6,10	0.0	0.0	0.0	0,0,0
613	9.56e-03	0.05	0.01	6,6,10	0.0	0.0	0.0	0,0,0
614	0.06	0.13	0.08	6,6,10	0.0	0.0	0.0	0,0,0
615	0.04	0.09	0.06	6,6,10	0.0	0.0	0.0	0,0,0
616	9.19e-03	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
617	0.06	0.15	0.07	6,6,10	0.0	0.0	0.0	0,0,0
618	0.07	0.10	0.10	6,6,10	0.0	0.0	0.0	0,0,0
619	0.13	0.23	0.18	6,6,10	0.0	0.0	0.0	0,0,0
620	0.17	0.32	0.23	6,6,10	0.0	0.0	0.0	0,0,0
621	0.18	0.36	0.24	6,6,10	0.0	0.0	0.0	0,0,0
622	0.18	0.38	0.24	6,6,10	0.0	0.0	0.0	0,0,0
623	0.18	0.37	0.24	6,6,10	0.0	0.0	0.0	0,0,0
624	0.15	0.32	0.21	6,6,10	0.0	0.0	0.0	0,0,0
625	0.11	0.24	0.14	6,6,10	0.0	0.0	0.0	0,0,0
626	0.05	0.24	0.07	6,6,10	0.0	0.0	0.0	0,0,0
627	0.02	0.16	0.03	5,5,9	0.0	0.0	0.0	0,0,0
628	0.02	0.09	0.02	5,5,9	0.0	0.0	0.0	0,0,0
629	0.02	0.09	0.03	5,6,9	0.0	0.0	0.0	0,0,0
630	0.03	0.09	0.03	5,6,9	0.0	0.0	0.0	0,0,0
631	0.03	0.08	0.03	5,6,9	0.0	0.0	0.0	0,0,0
632	0.02	0.07	0.03	5,6,9	0.0	0.0	0.0	0,0,0
633	0.02	0.06	0.03	5,6,9	0.0	0.0	0.0	0,0,0
634	0.01	0.05	0.02	5,6,9	0.0	0.0	0.0	0,0,0
635	9.24e-03	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
636	9.05e-03	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0
637	0.04	0.11	0.05	6,5,10	0.0	0.0	0.0	0,0,0
638	0.02	0.02	0.03	6,6,10	0.0	0.0	0.0	0,0,0
639	0.04	0.07	0.05	6,6,10	0.0	0.0	0.0	0,0,0
640	0.05	0.11	0.06	6,6,10	0.0	0.0	0.0	0,0,0
641	0.05	0.13	0.07	6,6,10	0.0	0.0	0.0	0,0,0
642	0.05	0.14	0.07	6,6,10	0.0	0.0	0.0	0,0,0
643	0.05	0.15	0.07	6,6,10	0.0	0.0	0.0	0,0,0
644	0.05	0.13	0.06	6,6,10	0.0	0.0	0.0	0,0,0
645	0.04	0.10	0.05	6,6,10	0.0	0.0	0.0	0,0,0
646	0.03	0.06	0.04	6,6,10	0.0	0.0	0.0	0,0,0
647	0.02	0.03	0.03	6,6,10	0.0	0.0	0.0	0,0,0
648	0.02	0.02	0.02	6,6,10	0.0	0.0	0.0	0,0,0
649	0.02	0.02	0.02	6,6,10	0.0	0.0	0.0	0,0,0
650	0.01	0.02	0.02	6,6,10	0.0	0.0	0.0	0,0,0
651	0.01	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0
652	0.01	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0
653	0.01	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0
654	0.01	0.01	0.02	6,5,10	0.0	0.0	0.0	0,0,0
655	0.01	0.03	0.02	6,5,10	0.0	0.0	0.0	0,0,0
656	0.01	0.03	0.02	5,5,9	0.0	0.0	0.0	0,0,0
657	0.04	0.10	0.05	6,6,10	0.0	0.0	0.0	0,0,0
658	0.01	0.04	0.02	6,5,10	0.0	0.0	0.0	0,0,0
659	0.03	0.14	0.04	6,5,10	0.0	0.0	0.0	0,0,0
660	0.01	0.04	0.02	6,5,10	0.0	0.0	0.0	0,0,0
661	0.04	0.19	0.05	6,5,10	0.0	0.0	0.0	0,0,0
662	0.02	0.04	0.02	6,5,10	0.0	0.0	0.0	0,0,0
663	0.04	0.22	0.06	6,5,10	0.0	0.0	0.0	0,0,0
664	0.02	0.05	0.02	6,5,10	0.0	0.0	0.0	0,0,0
665	0.05	0.23	0.06	6,5,10	0.0	0.0	0.0	0,0,0
666	0.02	0.06	0.02	6,5,10	0.0	0.0	0.0	0,0,0
667	0.05	0.23	0.06	6,5,10	0.0	0.0	0.0	0,0,0
668	0.01	0.07	0.02	6,5,10	0.0	0.0	0.0	0,0,0
669	0.05	0.21	0.06	6,5,10	0.0	0.0	0.0	0,0,0
670	0.01	0.06	0.02	6,5,10	0.0	0.0	0.0	0,0,0
671	0.04	0.19	0.05	6,5,10	0.0	0.0	0.0	0,0,0
672	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
673	0.03	0.16	0.04	5,5,9	0.0	0.0	0.0	0,0,0
674	0.01	0.05	0.02	6,6,10	0.0	0.0	0.0	0,0,0
675	0.04	0.23	0.05	6,5,10	0.0	0.0	0.0	0,0,0
676	0.01	0.05	0.02	6,6,10	0.0	0.0	0.0	0,0,0
677	0.06	0.21	0.08	6,5,10	0.0	0.0	0.0	0,0,0
678	0.02	0.23	0.03	6,5,10	0.0	0.0	0.0	0,0,0
679	0.04	0.25	0.05	6,5,10	0.0	0.0	0.0	0,0,0
680	0.05	0.26	0.06	6,5,10	0.0	0.0	0.0	0,0,0
681	0.05	0.25	0.07	6,5,10	0.0	0.0	0.0	0,0,0
682	0.05	0.25	0.07	6,5,10	0.0	0.0	0.0	0,0,0
683	0.05	0.23	0.06	6,5,10	0.0	0.0	0.0	0,0,0
684	0.04	0.18	0.06	6,5,10	0.0	0.0	0.0	0,0,0
685	0.04	0.11	0.06	6,6,10	0.0	0.0	0.0	0,0,0
686	0.08	0.19	0.11	6,6,10	0.0	0.0	0.0	0,0,0
687	0.10	0.38	0.13	6,6,10	0.0	0.0	0.0	0,0,0
688	0.08	0.22	0.11	6,6,10	0.0	0.0	0.0	0,0,0
689	0.01	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
690	0.04	0.24	0.05	6,6,10	0.0	0.0	0.0	0,0,0
691	0.04	0.07	0.05	6,5,10	0.0	0.0	0.0	0,0,0
692	0.01	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
693	0.05	0.18	0.06	6,5,10	0.0	0.0	0.0	0,0,0
694	0.05	0.09	0.06	6,5,10	0.0	0.0	0.0	0,0,0
695	0.01	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
696	0.05	0.16	0.07	6,6,10	0.0	0.0	0.0	0,0,0
697	0.04	0.10	0.06	6,6,10	0.0	0.0	0.0	0,0,0
698	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
699	0.05	0.16	0.07	6,6,10	0.0	0.0	0.0	0,0,0
700	0.05	0.11	0.06	6,6,10	0.0	0.0	0.0	0,0,0
701	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
702	0.05	0.14	0.07	6,6,10	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
703	0.05	0.13	0.07	6,6,10	0.0	0.0	0.0	0,0,0
704	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
705	0.06	0.13	0.07	6,6,10	0.0	0.0	0.0	0,0,0
706	0.05	0.13	0.07	6,6,10	0.0	0.0	0.0	0,0,0
707	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
708	0.05	0.11	0.07	6,6,10	0.0	0.0	0.0	0,0,0
709	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0
710	0.01	0.05	0.02	6,6,10	0.0	0.0	0.0	0,0,0
711	0.04	0.06	0.05	6,6,10	0.0	0.0	0.0	0,0,0
712	0.04	0.09	0.05	6,6,10	0.0	0.0	0.0	0,0,0
713	0.01	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0
714	0.10	0.22	0.13	6,6,10	0.0	0.0	0.0	0,0,0
715	0.09	0.17	0.11	6,6,10	0.0	0.0	0.0	0,0,0
716	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0
717	0.10	0.23	0.13	6,6,10	0.0	0.0	0.0	0,0,0
718	0.03	0.03	0.04	6,6,10	0.0	0.0	0.0	0,0,0
719	0.05	0.07	0.07	6,6,10	0.0	0.0	0.0	0,0,0
720	0.06	0.09	0.08	6,6,10	0.0	0.0	0.0	0,0,0
721	0.06	0.10	0.08	6,6,10	0.0	0.0	0.0	0,0,0
722	0.06	0.11	0.08	6,6,10	0.0	0.0	0.0	0,0,0
723	0.06	0.11	0.08	6,6,10	0.0	0.0	0.0	0,0,0
724	0.05	0.10	0.07	6,6,10	0.0	0.0	0.0	0,0,0
725	0.05	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
726	0.10	0.30	0.13	6,6,10	0.0	0.0	0.0	0,0,0
727	0.01	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
728	0.01	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
729	0.01	0.05	0.01	6,6,10	0.0	0.0	0.0	0,0,0
730	0.01	0.04	0.02	6,6,10	0.0	0.0	0.0	0,0,0
731	0.01	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0
732	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0
733	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0
734	9.47e-03	0.02	0.01	6,6,10	0.0	0.0	0.0	0,0,0
735	8.22e-03	0.02	0.01	6,6,10	0.0	0.0	0.0	0,0,0
736	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0
737	0.04	0.11	0.05	6,5,10	0.0	0.0	0.0	0,0,0
738	0.02	0.05	0.02	5,5,9	0.0	0.0	0.0	0,0,0
739	0.03	0.06	0.03	6,5,10	0.0	0.0	0.0	0,0,0
740	0.03	0.07	0.04	6,6,10	0.0	0.0	0.0	0,0,0
741	0.03	0.09	0.04	6,6,10	0.0	0.0	0.0	0,0,0
742	0.03	0.10	0.04	6,6,10	0.0	0.0	0.0	0,0,0
743	0.03	0.10	0.04	6,6,10	0.0	0.0	0.0	0,0,0
744	0.03	0.09	0.04	6,6,10	0.0	0.0	0.0	0,0,0
745	0.02	0.08	0.03	6,6,10	0.0	0.0	0.0	0,0,0
746	0.02	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
747	0.02	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
748	0.02	0.08	0.02	5,6,9	0.0	0.0	0.0	0,0,0
749	0.02	0.07	0.02	5,6,9	0.0	0.0	0.0	0,0,0
750	0.02	0.06	0.02	5,6,9	0.0	0.0	0.0	0,0,0
751	0.02	0.05	0.02	5,6,9	0.0	0.0	0.0	0,0,0
752	0.01	0.04	0.02	5,6,9	0.0	0.0	0.0	0,0,0
753	0.01	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0
754	0.01	0.03	0.02	6,5,10	0.0	0.0	0.0	0,0,0
755	0.01	0.06	0.02	6,5,10	0.0	0.0	0.0	0,0,0
756	0.01	0.07	0.02	5,5,9	0.0	0.0	0.0	0,0,0
757	0.04	0.11	0.05	6,5,10	0.0	0.0	0.0	0,0,0
758	0.01	0.06	0.02	5,5,9	0.0	0.0	0.0	0,0,0
759	0.02	0.13	0.03	5,5,9	0.0	0.0	0.0	0,0,0
760	0.01	0.05	0.02	6,5,10	0.0	0.0	0.0	0,0,0
761	0.02	0.16	0.03	6,5,10	0.0	0.0	0.0	0,0,0
762	0.01	0.05	0.02	6,5,10	0.0	0.0	0.0	0,0,0
763	0.03	0.18	0.04	6,5,10	0.0	0.0	0.0	0,0,0
764	0.01	0.06	0.02	6,5,10	0.0	0.0	0.0	0,0,0
765	0.03	0.18	0.04	6,5,10	0.0	0.0	0.0	0,0,0
766	0.01	0.07	0.02	6,5,10	0.0	0.0	0.0	0,0,0
767	0.03	0.18	0.04	6,5,10	0.0	0.0	0.0	0,0,0
768	0.01	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
769	0.03	0.17	0.04	6,5,10	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
770	0.01	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
771	0.03	0.15	0.04	6,5,10	0.0	0.0	0.0	0,0,0
772	0.01	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
773	0.02	0.12	0.03	6,5,10	0.0	0.0	0.0	0,0,0
774	0.02	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
775	0.03	0.14	0.05	6,6,10	0.0	0.0	0.0	0,0,0
776	0.01	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0
777	0.08	0.24	0.11	6,6,10	0.0	0.0	0.0	0,0,0
778	0.02	0.21	0.03	6,5,10	0.0	0.0	0.0	0,0,0
779	0.04	0.21	0.05	6,6,10	0.0	0.0	0.0	0,0,0
780	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
781	0.06	0.19	0.08	6,6,10	0.0	0.0	0.0	0,0,0
782	0.06	0.17	0.08	6,6,10	0.0	0.0	0.0	0,0,0
783	0.06	0.15	0.08	6,6,10	0.0	0.0	0.0	0,0,0
784	0.05	0.12	0.07	6,6,10	0.0	0.0	0.0	0,0,0
785	0.04	0.11	0.05	6,6,10	0.0	0.0	0.0	0,0,0
786	0.10	0.25	0.13	6,6,10	0.0	0.0	0.0	0,0,0
787	0.10	0.36	0.14	6,6,10	0.0	0.0	0.0	0,0,0
788	0.10	0.27	0.13	6,6,10	0.0	0.0	0.0	0,0,0
789	0.01	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
790	0.04	0.19	0.05	6,6,10	0.0	0.0	0.0	0,0,0
791	0.04	0.07	0.05	6,5,10	0.0	0.0	0.0	0,0,0
792	0.01	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0
793	0.05	0.20	0.06	6,6,10	0.0	0.0	0.0	0,0,0
794	0.04	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0
795	0.01	0.06	0.02	5,6,9	0.0	0.0	0.0	0,0,0
796	0.06	0.20	0.08	6,6,10	0.0	0.0	0.0	0,0,0
797	0.05	0.14	0.07	6,6,10	0.0	0.0	0.0	0,0,0
798	0.01	0.06	0.01	6,6,10	0.0	0.0	0.0	0,0,0
799	0.06	0.20	0.08	6,6,10	0.0	0.0	0.0	0,0,0
800	0.06	0.15	0.08	6,6,10	0.0	0.0	0.0	0,0,0
801	0.01	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
802	0.06	0.18	0.08	6,6,10	0.0	0.0	0.0	0,0,0
...								
1136	0.02	0.06	0.03	6,6,10	0.0	0.0	0.0	0,0,0
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.23	0.84	0.30		0.0	0.0	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.04	0.12	0.06	5,5,9	0.0	0.0	0.0	0,0,0
2	0.03	0.11	0.04	5,6,9	0.0	0.0	0.0	0,0,0
3	0.01	0.12	0.01	5,6,9	0.0	0.0	0.0	0,0,0
4	0.01	0.12	0.01	6,6,10	0.0	0.0	0.0	0,0,0
5	0.02	0.12	0.02	5,6,9	0.0	0.0	0.0	0,0,0
6	0.03	0.07	0.04	5,6,9	0.0	0.0	0.0	0,0,0
7	0.04	0.11	0.05	5,5,9	0.0	0.0	0.0	0,0,0
8	0.04	0.18	0.06	6,6,10	0.0	0.0	0.0	0,0,0
9	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
10	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
11	0.05	0.21	0.06	6,6,10	0.0	0.0	0.0	0,0,0
12	0.02	0.10	0.02	5,6,9	0.0	0.0	0.0	0,0,0
13	0.01	0.05	0.02	5,5,9	0.0	0.0	0.0	0,0,0
14	0.04	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
15	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
16	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
17	0.04	0.18	0.06	6,6,10	0.0	0.0	0.0	0,0,0
18	8.42e-03	0.11	0.01	6,6,10	0.0	0.0	0.0	0,0,0
19	0.02	0.07	0.02	6,6,10	0.0	0.0	0.0	0,0,0
20	0.05	0.16	0.06	6,6,10	0.0	0.0	0.0	0,0,0
21	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
22	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
23	0.04	0.16	0.06	6,5,10	0.0	0.0	0.0	0,0,0
24	6.91e-03	0.11	9.21e-03	5,6,9	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
25	0.03	0.09	0.04	5,5,9	0.0	0.0	0.0	0,0,0
26	0.05	0.19	0.07	6,6,10	0.0	0.0	0.0	0,0,0
27	0.06	0.23	0.09	6,6,10	0.0	0.0	0.0	0,0,0
28	0.06	0.24	0.09	6,6,10	0.0	0.0	0.0	0,0,0
29	0.05	0.22	0.07	6,6,10	0.0	0.0	0.0	0,0,0
30	0.01	0.10	0.02	5,5,9	0.0	0.0	0.0	0,0,0
31	0.04	0.10	0.05	5,5,9	0.0	0.0	0.0	0,0,0
32	0.03	0.08	0.04	5,5,9	0.0	0.0	0.0	0,0,0
33	0.01	0.06	0.02	6,5,10	0.0	0.0	0.0	0,0,0
34	6.71e-03	0.04	8.95e-03	5,5,9	0.0	0.0	0.0	0,0,0
35	0.02	0.05	0.02	5,5,9	0.0	0.0	0.0	0,0,0
36	0.02	0.07	0.03	5,5,9	0.0	0.0	0.0	0,0,0
69	0.11	0.31	0.14	5,5,9	0.0	0.0	0.0	0,0,0
70	0.12	0.34	0.16	5,5,9	0.0	0.0	0.0	0,0,0
71	0.08	0.26	0.11	5,5,9	0.0	0.0	0.0	0,0,0
72	0.06	0.20	0.09	5,5,9	0.0	0.0	0.0	0,0,0
73	0.05	0.16	0.07	5,5,9	0.0	0.0	0.0	0,0,0
74	0.05	0.14	0.06	5,5,9	0.0	0.0	0.0	0,0,0
75	0.05	0.14	0.06	5,5,9	0.0	0.0	0.0	0,0,0
76	0.05	0.16	0.07	5,5,9	0.0	0.0	0.0	0,0,0
77	0.06	0.19	0.08	5,5,9	0.0	0.0	0.0	0,0,0
78	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
79	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
80	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
81	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
82	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
83	0.07	0.21	0.09	5,5,9	0.0	0.0	0.0	0,0,0
84	0.07	0.21	0.09	6,5,10	0.0	0.0	0.0	0,0,0
85	0.07	0.22	0.09	6,6,10	0.0	0.0	0.0	0,0,0
86	0.07	0.22	0.09	6,6,10	0.0	0.0	0.0	0,0,0
87	0.07	0.23	0.10	6,6,10	0.0	0.0	0.0	0,0,0
88	0.07	0.23	0.09	6,6,10	0.0	0.0	0.0	0,0,0
89	0.10	0.27	0.13	6,6,10	0.0	0.0	0.0	0,0,0
90	0.10	0.22	0.13	6,6,10	0.0	0.0	0.0	0,0,0
91	0.12	0.32	0.16	5,5,9	0.0	0.0	0.0	0,0,0
92	0.07	0.35	0.10	5,5,9	0.0	0.0	0.0	0,0,0
93	0.03	0.13	0.04	6,6,10	0.0	0.0	0.0	0,0,0
94	0.04	0.13	0.05	5,6,9	0.0	0.0	0.0	0,0,0
95	0.04	0.11	0.05	5,5,9	0.0	0.0	0.0	0,0,0
96	0.04	0.14	0.05	5,5,9	0.0	0.0	0.0	0,0,0
97	0.05	0.18	0.06	5,5,9	0.0	0.0	0.0	0,0,0
98	0.06	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0
99	0.06	0.21	0.07	5,6,9	0.0	0.0	0.0	0,0,0
100	0.05	0.21	0.07	5,6,9	0.0	0.0	0.0	0,0,0
101	0.07	0.18	0.09	5,5,9	0.0	0.0	0.0	0,0,0
102	0.08	0.22	0.11	5,5,9	0.0	0.0	0.0	0,0,0
103	0.09	0.25	0.12	5,5,9	0.0	0.0	0.0	0,0,0
104	0.09	0.27	0.12	5,5,9	0.0	0.0	0.0	0,0,0
105	0.10	0.28	0.13	5,6,9	0.0	0.0	0.0	0,0,0
106	0.10	0.30	0.13	6,6,10	0.0	0.0	0.0	0,0,0
107	0.10	0.30	0.14	6,6,10	0.0	0.0	0.0	0,0,0
108	0.10	0.31	0.14	6,6,10	0.0	0.0	0.0	0,0,0
109	0.10	0.31	0.13	6,6,10	0.0	0.0	0.0	0,0,0
110	0.09	0.27	0.12	6,6,10	0.0	0.0	0.0	0,0,0
111	0.06	0.27	0.08	6,6,10	0.0	0.0	0.0	0,0,0
112	0.10	0.26	0.13	6,6,10	0.0	0.0	0.0	0,0,0
113	0.08	0.27	0.11	5,5,9	0.0	0.0	0.0	0,0,0
114	0.06	0.18	0.07	5,6,9	0.0	0.0	0.0	0,0,0
115	0.03	0.18	0.05	6,6,10	0.0	0.0	0.0	0,0,0
116	0.04	0.17	0.05	6,5,10	0.0	0.0	0.0	0,0,0
117	0.04	0.11	0.05	5,5,9	0.0	0.0	0.0	0,0,0
118	0.04	0.14	0.06	5,5,9	0.0	0.0	0.0	0,0,0
119	0.05	0.18	0.06	5,5,9	0.0	0.0	0.0	0,0,0
120	0.06	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0
121	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
122	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
123	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
124	0.06	0.22	0.08	5,5,9	0.0	0.0	0.0	0,0,0
125	0.05	0.20	0.07	5,6,9	0.0	0.0	0.0	0,0,0
126	0.05	0.18	0.06	5,6,9	0.0	0.0	0.0	0,0,0
127	0.04	0.16	0.06	5,6,9	0.0	0.0	0.0	0,0,0
128	0.04	0.14	0.05	5,6,9	0.0	0.0	0.0	0,0,0
129	0.04	0.13	0.05	6,6,10	0.0	0.0	0.0	0,0,0
130	0.04	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0
131	0.04	0.10	0.06	6,6,10	0.0	0.0	0.0	0,0,0
132	0.04	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
133	0.08	0.28	0.11	6,6,10	0.0	0.0	0.0	0,0,0
134	0.07	0.22	0.09	6,6,10	0.0	0.0	0.0	0,0,0
135	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
136	0.05	0.20	0.06	5,5,9	0.0	0.0	0.0	0,0,0
137	0.04	0.20	0.05	6,5,10	0.0	0.0	0.0	0,0,0
138	0.04	0.16	0.05	6,5,10	0.0	0.0	0.0	0,0,0
139	0.05	0.17	0.06	6,6,10	0.0	0.0	0.0	0,0,0
140	0.05	0.19	0.07	6,6,10	0.0	0.0	0.0	0,0,0
141	0.06	0.20	0.08	6,6,10	0.0	0.0	0.0	0,0,0
142	0.06	0.21	0.08	6,5,10	0.0	0.0	0.0	0,0,0
143	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
144	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
145	0.07	0.24	0.09	5,5,9	0.0	0.0	0.0	0,0,0
146	0.06	0.23	0.08	5,5,9	0.0	0.0	0.0	0,0,0
147	0.06	0.22	0.08	5,5,9	0.0	0.0	0.0	0,0,0
148	0.06	0.20	0.07	5,5,9	0.0	0.0	0.0	0,0,0
149	0.05	0.18	0.07	5,6,9	0.0	0.0	0.0	0,0,0
150	0.05	0.17	0.07	5,6,9	0.0	0.0	0.0	0,0,0
151	0.05	0.16	0.06	6,6,10	0.0	0.0	0.0	0,0,0
152	0.05	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
153	0.04	0.14	0.06	6,6,10	0.0	0.0	0.0	0,0,0
154	0.04	0.11	0.06	6,5,10	0.0	0.0	0.0	0,0,0
155	0.09	0.30	0.12	6,6,10	0.0	0.0	0.0	0,0,0
156	0.06	0.20	0.08	6,6,10	0.0	0.0	0.0	0,0,0
157	0.06	0.22	0.08	5,5,9	0.0	0.0	0.0	0,0,0
158	0.05	0.26	0.06	6,6,10	0.0	0.0	0.0	0,0,0
159	0.06	0.29	0.08	6,6,10	0.0	0.0	0.0	0,0,0
160	0.07	0.28	0.10	6,6,10	0.0	0.0	0.0	0,0,0
161	0.09	0.30	0.11	6,6,10	0.0	0.0	0.0	0,0,0
162	0.11	0.37	0.14	6,6,10	0.0	0.0	0.0	0,0,0
163	0.12	0.42	0.16	6,6,10	0.0	0.0	0.0	0,0,0
164	0.12	0.38	0.16	6,6,10	0.0	0.0	0.0	0,0,0
165	0.08	0.20	0.10	6,5,10	0.0	0.0	0.0	0,0,0
166	0.06	0.23	0.08	5,5,9	0.0	0.0	0.0	0,0,0
167	0.06	0.23	0.08	5,5,9	0.0	0.0	0.0	0,0,0
168	0.06	0.23	0.08	5,5,9	0.0	0.0	0.0	0,0,0
169	0.06	0.22	0.08	5,5,9	0.0	0.0	0.0	0,0,0
170	0.06	0.20	0.07	5,5,9	0.0	0.0	0.0	0,0,0
171	0.05	0.18	0.07	5,6,9	0.0	0.0	0.0	0,0,0
172	0.05	0.17	0.07	5,6,9	0.0	0.0	0.0	0,0,0
173	0.05	0.16	0.06	6,6,10	0.0	0.0	0.0	0,0,0
174	0.05	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
175	0.04	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
176	0.04	0.13	0.05	6,6,10	0.0	0.0	0.0	0,0,0
177	0.09	0.30	0.12	6,6,10	0.0	0.0	0.0	0,0,0
178	0.06	0.18	0.08	6,6,10	0.0	0.0	0.0	0,0,0
179	0.11	0.64	0.14	6,6,10	0.0	0.0	0.0	0,0,0
180	0.10	0.57	0.13	6,6,10	0.0	0.0	0.0	0,0,0
181	0.09	0.32	0.12	6,6,10	0.0	0.0	0.0	0,0,0
182	0.11	0.37	0.14	6,6,10	0.0	0.0	0.0	0,0,0
183	0.22	0.82	0.29	6,6,10	0.0	0.0	0.0	0,0,0
184	0.21	0.82	0.27	6,5,10	0.0	0.0	0.0	0,0,0
185	0.06	0.29	0.08	6,6,10	0.0	0.0	0.0	0,0,0
186	0.10	0.36	0.13	6,6,10	0.0	0.0	0.0	0,0,0
187	0.04	0.20	0.06	5,5,9	0.0	0.0	0.0	0,0,0
188	0.05	0.18	0.06	5,5,9	0.0	0.0	0.0	0,0,0
189	0.05	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0
190	0.05	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
191	0.05	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0
192	0.05	0.19	0.07	5,5,9	0.0	0.0	0.0	0,0,0
193	0.05	0.17	0.06	5,5,9	0.0	0.0	0.0	0,0,0
194	0.04	0.16	0.06	5,6,9	0.0	0.0	0.0	0,0,0
195	0.04	0.15	0.05	6,6,10	0.0	0.0	0.0	0,0,0
196	0.04	0.15	0.05	6,6,10	0.0	0.0	0.0	0,0,0
197	0.04	0.15	0.05	6,6,10	0.0	0.0	0.0	0,0,0
198	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
199	0.09	0.29	0.12	6,6,10	0.0	0.0	0.0	0,0,0
200	0.06	0.17	0.07	6,6,10	0.0	0.0	0.0	0,0,0
201	0.10	0.51	0.13	6,6,10	0.0	0.0	0.0	0,0,0
202	0.21	0.81	0.28	6,5,10	0.0	0.0	0.0	0,0,0
203	0.06	0.28	0.08	6,6,10	0.0	0.0	0.0	0,0,0
204	0.11	0.39	0.15	6,6,10	0.0	0.0	0.0	0,0,0
205	0.03	0.18	0.04	5,5,9	0.0	0.0	0.0	0,0,0
206	0.05	0.22	0.07	6,6,10	0.0	0.0	0.0	0,0,0
207	0.04	0.17	0.06	5,5,9	0.0	0.0	0.0	0,0,0
208	0.05	0.19	0.06	5,5,9	0.0	0.0	0.0	0,0,0
209	0.05	0.19	0.06	5,5,9	0.0	0.0	0.0	0,0,0
210	0.04	0.18	0.06	5,5,9	0.0	0.0	0.0	0,0,0
211	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
212	0.03	0.15	0.04	5,5,9	0.0	0.0	0.0	0,0,0
213	0.03	0.14	0.04	5,6,9	0.0	0.0	0.0	0,0,0
214	0.03	0.15	0.05	6,6,10	0.0	0.0	0.0	0,0,0
215	0.03	0.15	0.05	6,6,10	0.0	0.0	0.0	0,0,0
216	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
217	0.09	0.28	0.12	6,6,10	0.0	0.0	0.0	0,0,0
218	0.05	0.16	0.07	6,6,10	0.0	0.0	0.0	0,0,0
219	0.03	0.20	0.05	5,5,9	0.0	0.0	0.0	0,0,0
220	0.04	0.20	0.06	6,5,10	0.0	0.0	0.0	0,0,0
221	0.06	0.24	0.09	6,6,10	0.0	0.0	0.0	0,0,0
222	0.11	0.40	0.15	6,6,10	0.0	0.0	0.0	0,0,0
223	0.11	0.38	0.14	6,6,10	0.0	0.0	0.0	0,0,0
224	0.06	0.25	0.08	6,6,10	0.0	0.0	0.0	0,0,0
225	0.03	0.15	0.04	5,6,9	0.0	0.0	0.0	0,0,0
226	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
227	0.04	0.18	0.05	5,5,9	0.0	0.0	0.0	0,0,0
228	0.04	0.18	0.05	5,5,9	0.0	0.0	0.0	0,0,0
229	0.04	0.16	0.05	5,5,9	0.0	0.0	0.0	0,0,0
230	0.03	0.14	0.04	5,5,9	0.0	0.0	0.0	0,0,0
231	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
232	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
233	0.03	0.15	0.04	6,6,10	0.0	0.0	0.0	0,0,0
234	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
235	0.08	0.25	0.11	6,6,10	0.0	0.0	0.0	0,0,0
236	0.05	0.15	0.07	6,6,10	0.0	0.0	0.0	0,0,0
237	0.04	0.24	0.05	5,5,9	0.0	0.0	0.0	0,0,0
238	0.04	0.21	0.05	6,6,10	0.0	0.0	0.0	0,0,0
239	0.05	0.20	0.07	6,6,10	0.0	0.0	0.0	0,0,0
240	0.10	0.33	0.13	5,5,9	0.0	0.0	0.0	0,0,0
241	0.09	0.32	0.13	5,5,9	0.0	0.0	0.0	0,0,0
242	0.06	0.26	0.08	5,6,9	0.0	0.0	0.0	0,0,0
243	0.04	0.19	0.05	6,6,10	0.0	0.0	0.0	0,0,0
244	0.03	0.15	0.04	5,5,9	0.0	0.0	0.0	0,0,0
245	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
246	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
247	0.04	0.16	0.05	5,5,9	0.0	0.0	0.0	0,0,0
248	0.03	0.14	0.04	5,5,9	0.0	0.0	0.0	0,0,0
249	0.03	0.13	0.04	6,5,10	0.0	0.0	0.0	0,0,0
250	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
251	0.03	0.14	0.04	6,6,10	0.0	0.0	0.0	0,0,0
252	0.03	0.14	0.03	6,6,10	0.0	0.0	0.0	0,0,0
253	0.07	0.23	0.10	6,6,10	0.0	0.0	0.0	0,0,0
254	0.05	0.15	0.06	6,6,10	0.0	0.0	0.0	0,0,0
255	0.04	0.31	0.05	5,5,9	0.0	0.0	0.0	0,0,0
256	0.07	0.26	0.09	5,5,9	0.0	0.0	0.0	0,0,0
257	0.07	0.25	0.09	5,5,9	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
258	0.04	0.17	0.06	5,6,9	0.0	0.0	0.0	0,0,0
259	0.04	0.16	0.05	5,5,9	0.0	0.0	0.0	0,0,0
260	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
261	0.04	0.17	0.05	5,5,9	0.0	0.0	0.0	0,0,0
262	0.03	0.15	0.05	5,5,9	0.0	0.0	0.0	0,0,0
263	0.03	0.13	0.04	5,5,9	0.0	0.0	0.0	0,0,0
264	0.03	0.13	0.04	6,6,10	0.0	0.0	0.0	0,0,0
265	0.03	0.13	0.04	6,6,10	0.0	0.0	0.0	0,0,0
266	0.02	0.13	0.03	6,6,10	0.0	0.0	0.0	0,0,0
267	0.06	0.20	0.09	6,6,10	0.0	0.0	0.0	0,0,0
268	0.05	0.14	0.06	6,6,10	0.0	0.0	0.0	0,0,0
269	0.04	0.28	0.05	6,5,10	0.0	0.0	0.0	0,0,0
270	0.07	0.29	0.10	5,5,9	0.0	0.0	0.0	0,0,0
271	0.05	0.33	0.07	5,5,9	0.0	0.0	0.0	0,0,0
272	0.11	0.55	0.15	5,6,9	0.0	0.0	0.0	0,0,0
273	0.06	0.46	0.08	5,5,9	0.0	0.0	0.0	0,0,0
274	0.09	0.30	0.13	5,5,9	0.0	0.0	0.0	0,0,0
275	0.18	0.56	0.24	5,5,9	0.0	0.0	0.0	0,0,0
276	0.18	0.53	0.25	5,5,9	0.0	0.0	0.0	0,0,0
277	0.05	0.21	0.07	5,5,9	0.0	0.0	0.0	0,0,0
278	0.04	0.17	0.06	5,5,9	0.0	0.0	0.0	0,0,0
279	0.04	0.17	0.06	5,5,9	0.0	0.0	0.0	0,0,0
280	0.04	0.15	0.05	5,5,9	0.0	0.0	0.0	0,0,0
281	0.03	0.13	0.04	5,5,9	0.0	0.0	0.0	0,0,0
282	0.02	0.12	0.03	5,6,9	0.0	0.0	0.0	0,0,0
283	0.02	0.12	0.03	6,6,10	0.0	0.0	0.0	0,0,0
284	0.02	0.12	0.03	6,6,10	0.0	0.0	0.0	0,0,0
285	0.06	0.18	0.07	6,5,10	0.0	0.0	0.0	0,0,0
286	0.04	0.13	0.06	6,6,10	0.0	0.0	0.0	0,0,0
287	0.05	0.39	0.06	6,5,10	0.0	0.0	0.0	0,0,0
288	0.08	0.32	0.10	5,6,9	0.0	0.0	0.0	0,0,0
289	0.07	0.39	0.10	5,5,9	0.0	0.0	0.0	0,0,0
290	0.08	0.37	0.10	5,5,9	0.0	0.0	0.0	0,0,0
291	0.09	0.33	0.12	6,6,10	0.0	0.0	0.0	0,0,0
292	0.10	0.39	0.14	6,6,10	0.0	0.0	0.0	0,0,0
293	0.13	0.69	0.17	6,6,10	0.0	0.0	0.0	0,0,0
294	0.12	0.67	0.17	5,6,9	0.0	0.0	0.0	0,0,0
295	0.06	0.44	0.07	5,5,9	0.0	0.0	0.0	0,0,0
296	0.07	0.40	0.09	6,5,10	0.0	0.0	0.0	0,0,0
297	0.09	0.33	0.12	6,5,10	0.0	0.0	0.0	0,0,0
298	0.15	0.40	0.21	6,6,10	0.0	0.0	0.0	0,0,0
299	0.18	0.49	0.25	6,6,10	0.0	0.0	0.0	0,0,0
300	0.19	0.50	0.25	6,6,10	0.0	0.0	0.0	0,0,0
301	0.19	0.50	0.25	6,6,10	0.0	0.0	0.0	0,0,0
302	0.17	0.48	0.22	6,6,10	0.0	0.0	0.0	0,0,0
303	0.16	0.45	0.22	6,6,10	0.0	0.0	0.0	0,0,0
304	0.14	0.39	0.18	6,6,10	0.0	0.0	0.0	0,0,0
305	0.12	0.54	0.16	5,5,9	0.0	0.0	0.0	0,0,0
306	0.21	0.67	0.28	5,5,9	0.0	0.0	0.0	0,0,0
307	0.05	0.25	0.07	5,5,9	0.0	0.0	0.0	0,0,0
308	0.04	0.17	0.06	5,5,9	0.0	0.0	0.0	0,0,0
309	0.04	0.16	0.06	5,5,9	0.0	0.0	0.0	0,0,0
310	0.04	0.15	0.05	5,5,9	0.0	0.0	0.0	0,0,0
311	0.03	0.13	0.04	5,5,9	0.0	0.0	0.0	0,0,0
312	0.02	0.11	0.03	5,5,9	0.0	0.0	0.0	0,0,0
313	0.02	0.11	0.03	6,6,10	0.0	0.0	0.0	0,0,0
314	0.01	0.11	0.02	6,6,10	0.0	0.0	0.0	0,0,0
315	0.05	0.16	0.06	5,5,9	0.0	0.0	0.0	0,0,0
316	0.04	0.13	0.05	6,6,10	0.0	0.0	0.0	0,0,0
317	0.05	0.36	0.07	5,5,9	0.0	0.0	0.0	0,0,0
318	0.14	0.34	0.19	6,6,10	0.0	0.0	0.0	0,0,0
319	0.07	0.25	0.09	6,5,10	0.0	0.0	0.0	0,0,0
320	0.07	0.22	0.10	6,5,10	0.0	0.0	0.0	0,0,0
321	0.07	0.18	0.09	6,5,10	0.0	0.0	0.0	0,0,0
322	0.06	0.15	0.07	6,5,10	0.0	0.0	0.0	0,0,0
323	0.05	0.15	0.07	6,5,10	0.0	0.0	0.0	0,0,0
324	0.06	0.18	0.09	6,6,10	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
325	0.07	0.19	0.09	6,6,10	0.0	0.0	0.0	0,0,0
326	0.07	0.23	0.09	6,6,10	0.0	0.0	0.0	0,0,0
327	0.16	0.45	0.22	6,6,10	0.0	0.0	0.0	0,0,0
328	0.16	0.54	0.21	5,5,9	0.0	0.0	0.0	0,0,0
329	0.04	0.24	0.05	5,5,9	0.0	0.0	0.0	0,0,0
330	0.04	0.16	0.06	5,5,9	0.0	0.0	0.0	0,0,0
...								
1532	0.05	0.26	0.06	5,6,9	0.0	0.0	0.0	0,0,0
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.25	0.82	0.34		0.0	0.0	0.0	