

# ÍNDEX ANNEX RESULTATS PROGRAMES DE CàLCUL

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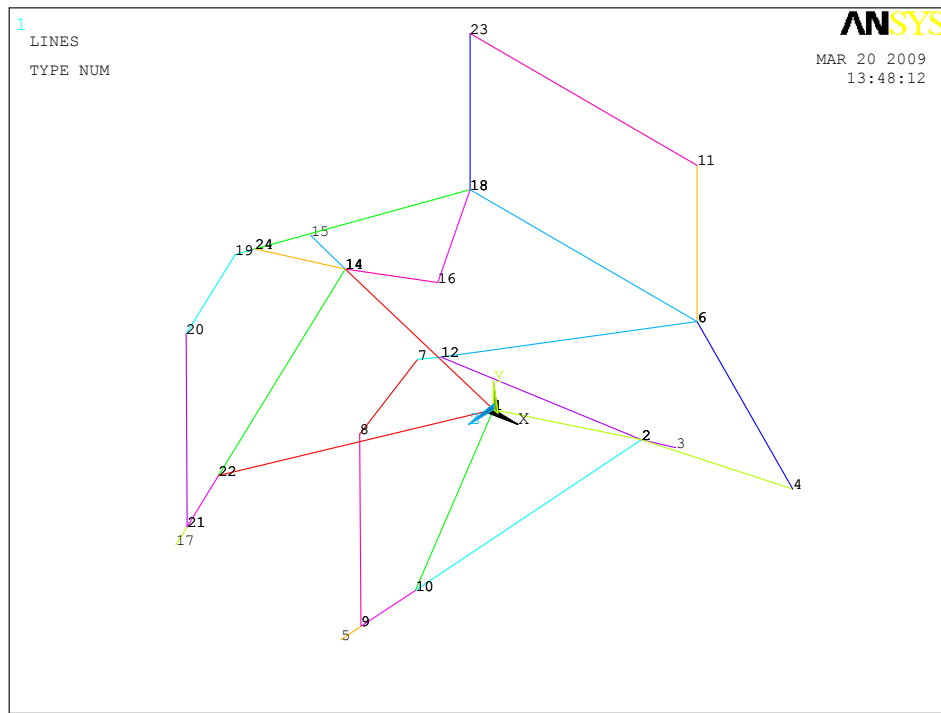
# **CAPÍTOL 1: GRÀFICS OBTINGUTS AMB ELS PROGRAMES DE CàLCUL**

Seguidament s'han imprès tots els gràfics obtinguts amb els diferents programes d'anàlisi. Els programes emprats són: ANSYS®, ED-Tridim® i Solid Works 2009®. Primerament està present la geometria introduïda en el programa, el mallat, les restriccions i a continuació els diagrames de moments flectors, normals, tallants i torçors.

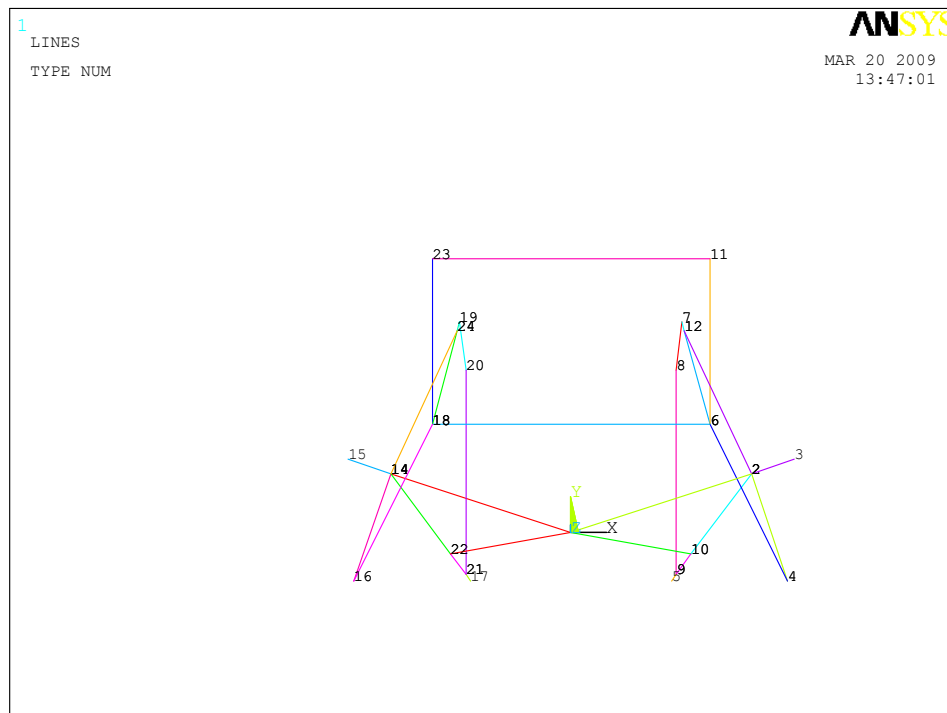
L'ordre de les figures coincideix amb la cronologia que s'ha desenvolupat el procés d'optimització del projecte. És a dir, primer de tot els assajos de tracció i propulsió del prototip creat, a continuació l'estructura amb les modificacions fetes en els mateixos assajos.

## 1.1. Prototip

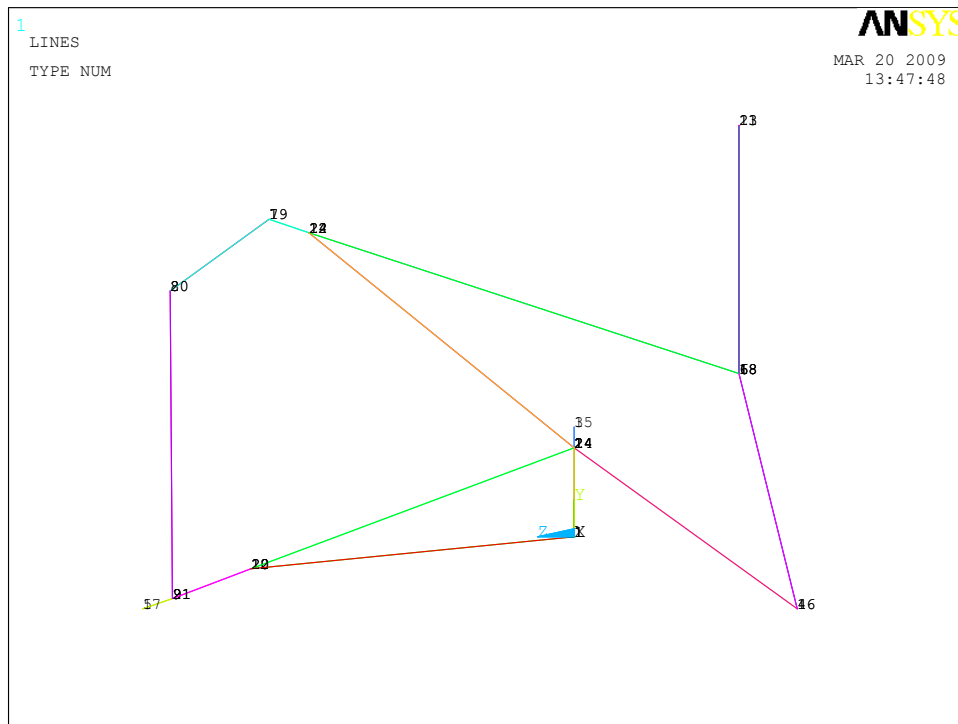
### 1.1.1. Geometria del prototip:



**Figura 150:** Geometria del prototip. Vista isomètrica

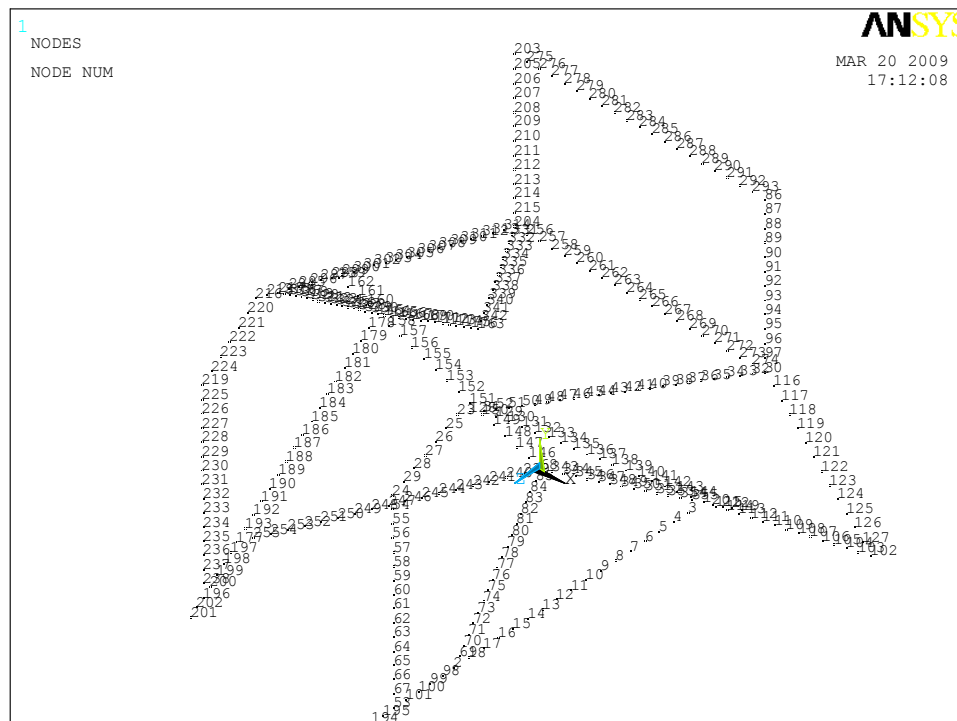


**Figura 151:** Geometria del prototip. Vista frontal



**Figura 152:** Geometria del prototip. Vista lateral

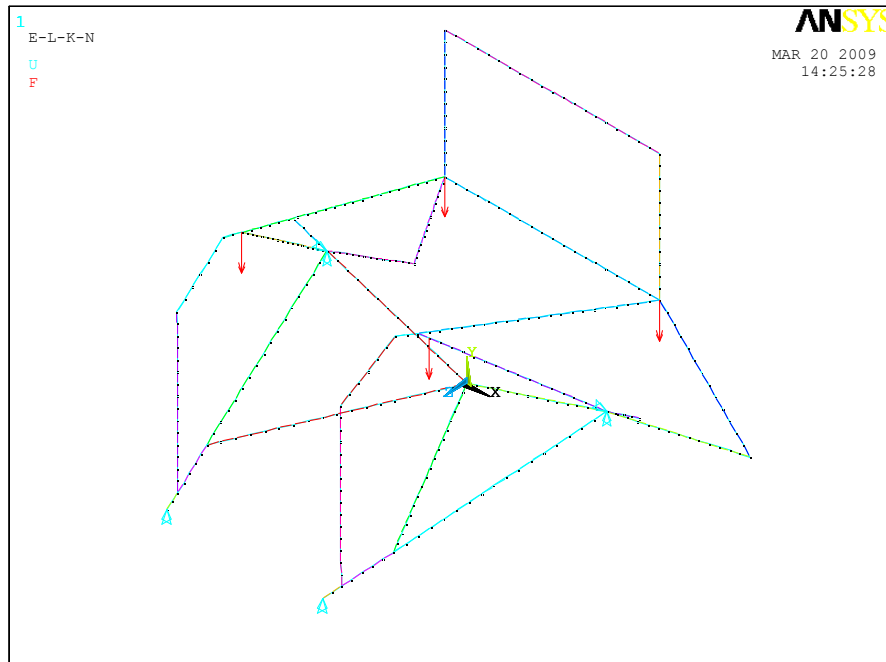
### 1.1.2. Mallat del prototip



**Figura 153:** Mallat del prototip. Vista isomètrica

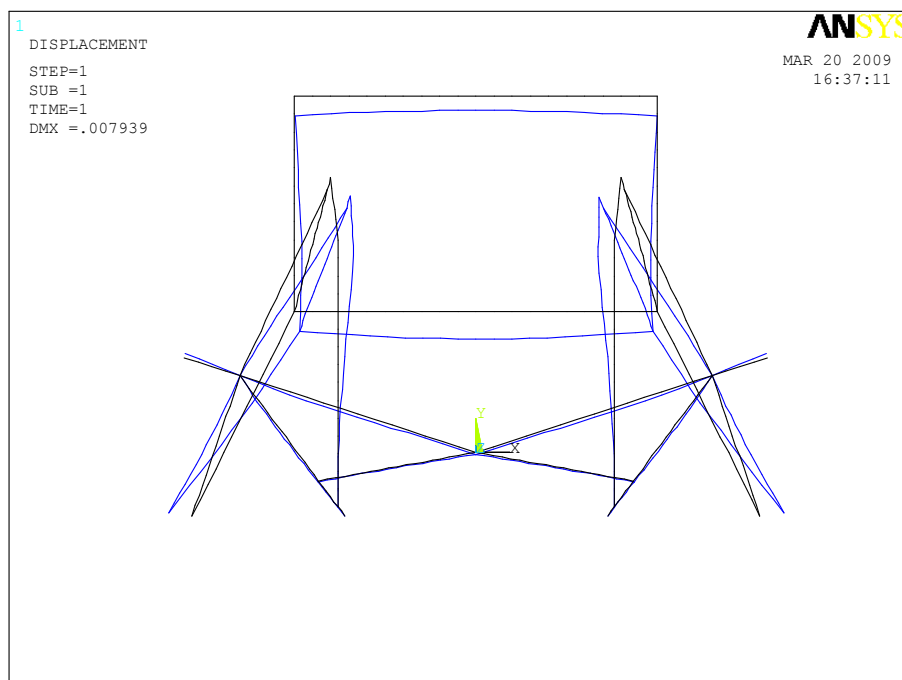
## 1.2. Assaig del prototip posició de propulsió

### 1.2.1. Càrregues i restriccions.



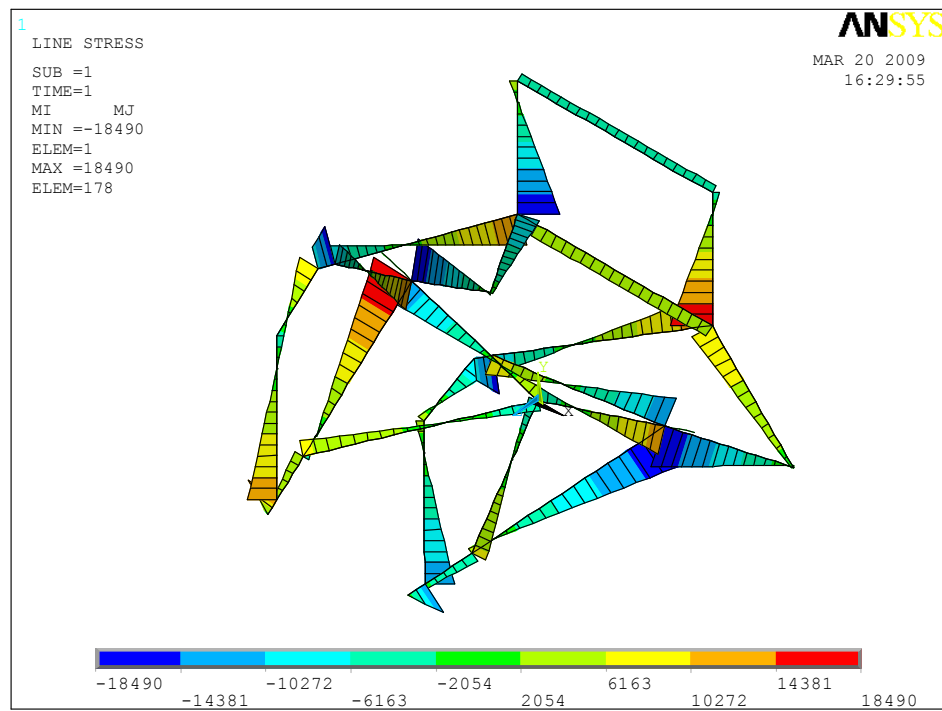
**Figura 154:** Càrregues i restriccions del prototip. Vista isomètrica

### 1.2.2. Deformada

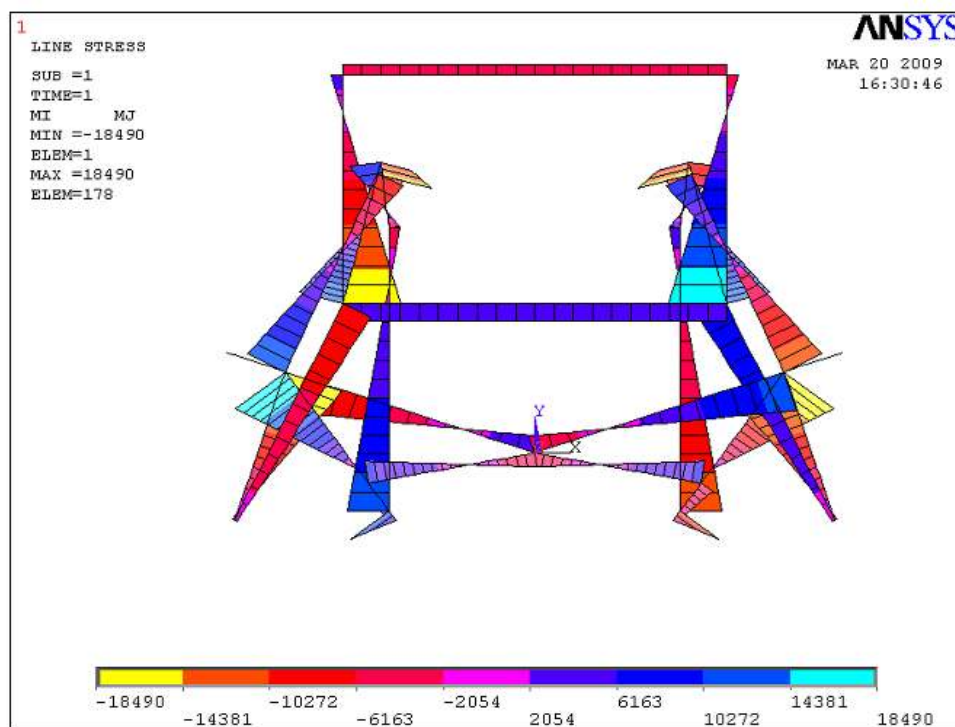


**Figura 155:** Deformada en posició de propulsió. Vista frontal

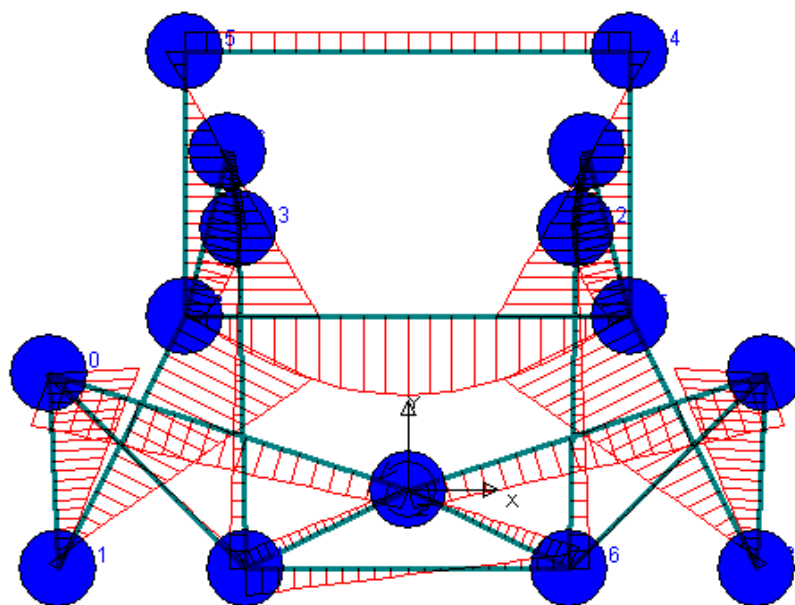
### 1.2.3. Moments flectors:



**Figura 156:** Moments flectors. Vista isomètrica

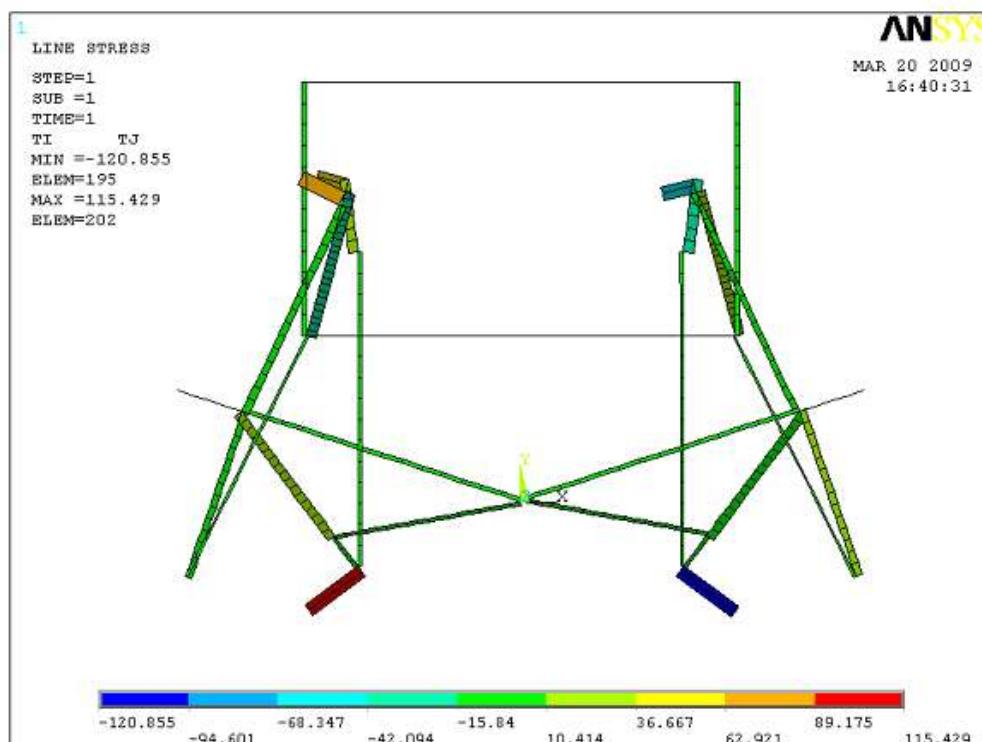


**Figura 157:** Moments flectors. Vista frontal



**Figura 158:** Moments flectors. Vista frontal

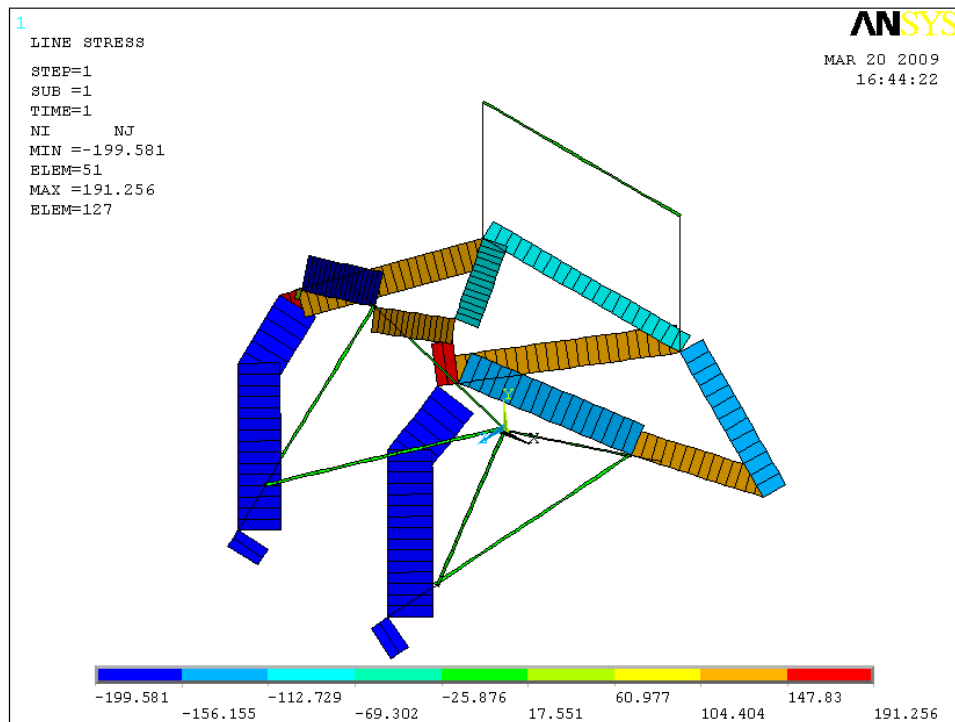
#### 1.2.4. Esforços tallants:



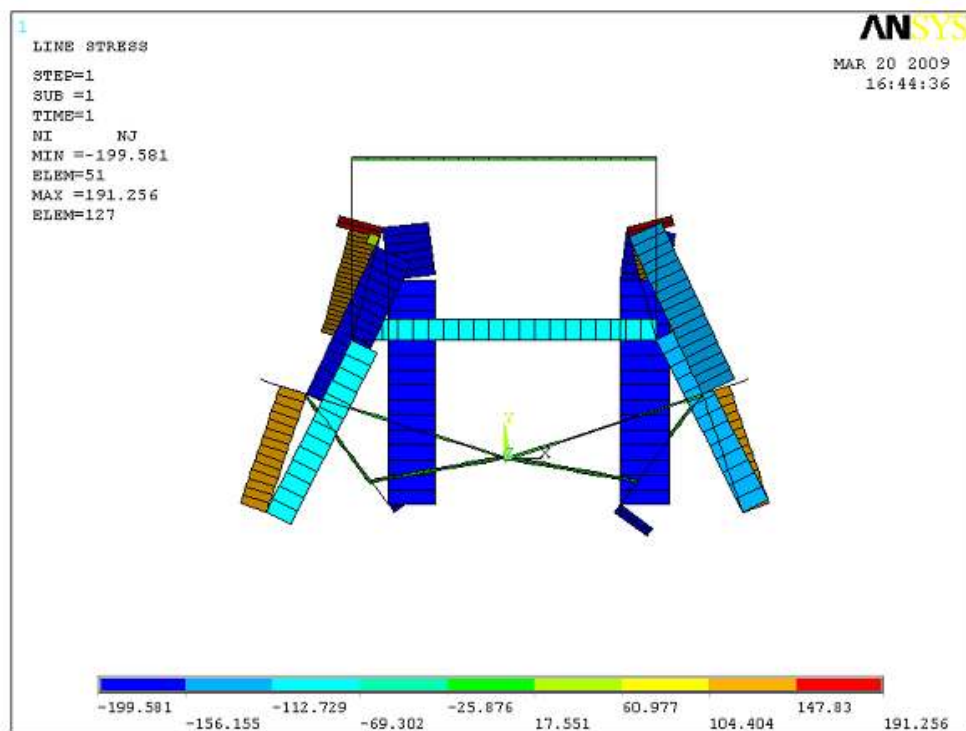
**Figura 159:** Esforços tallants. Vista frontal



### 1.2.5. Esforços normals:

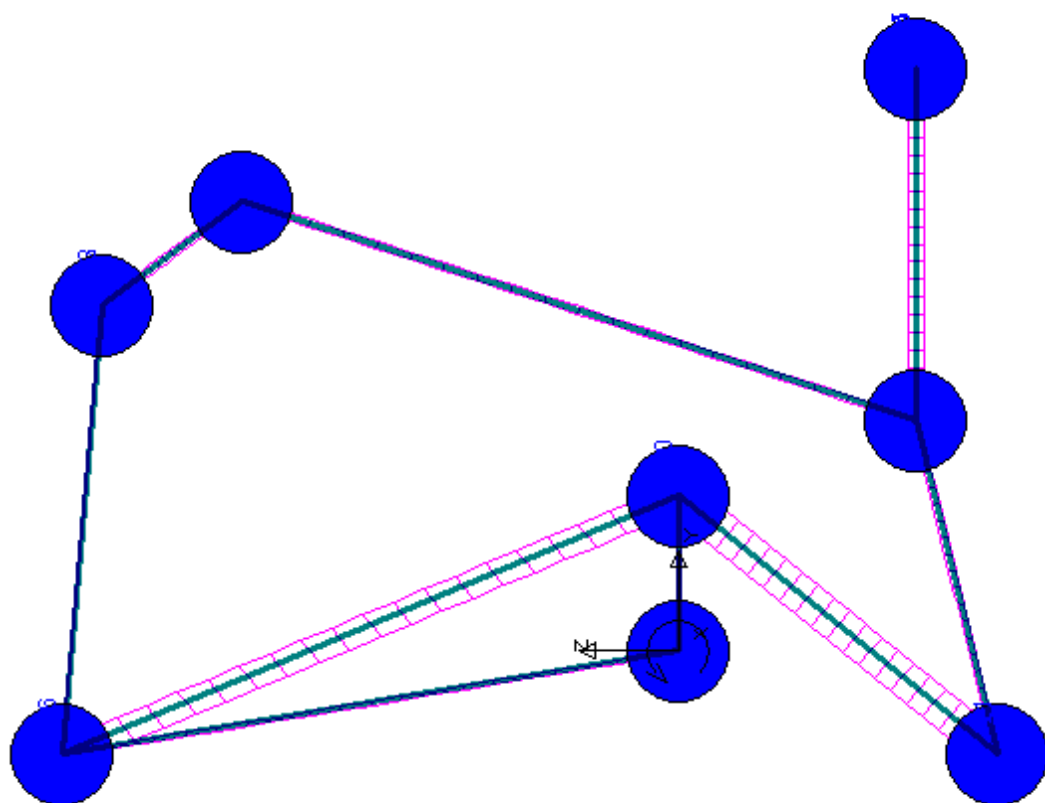


**Figura 160:** Esforços normals. Vista isomètrica



**Figura 161:** Esforços normals. Vista frontals

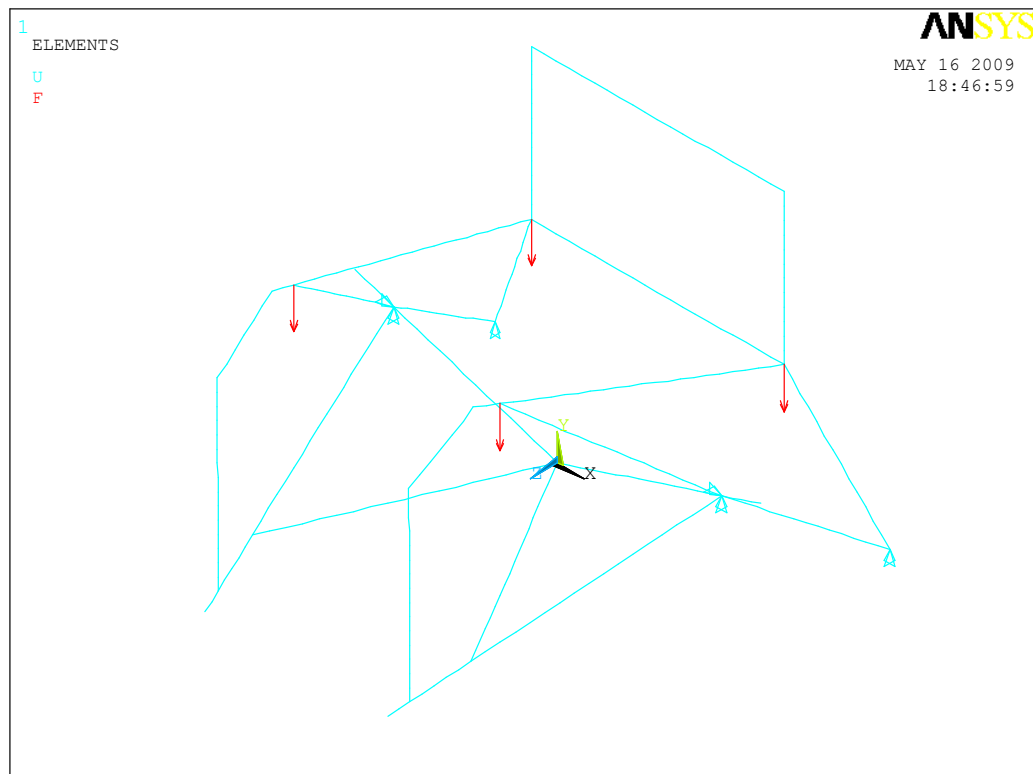
1.2.6. Esforços torçors:



**Figura 162:** Esforços torçors. Vista lateral

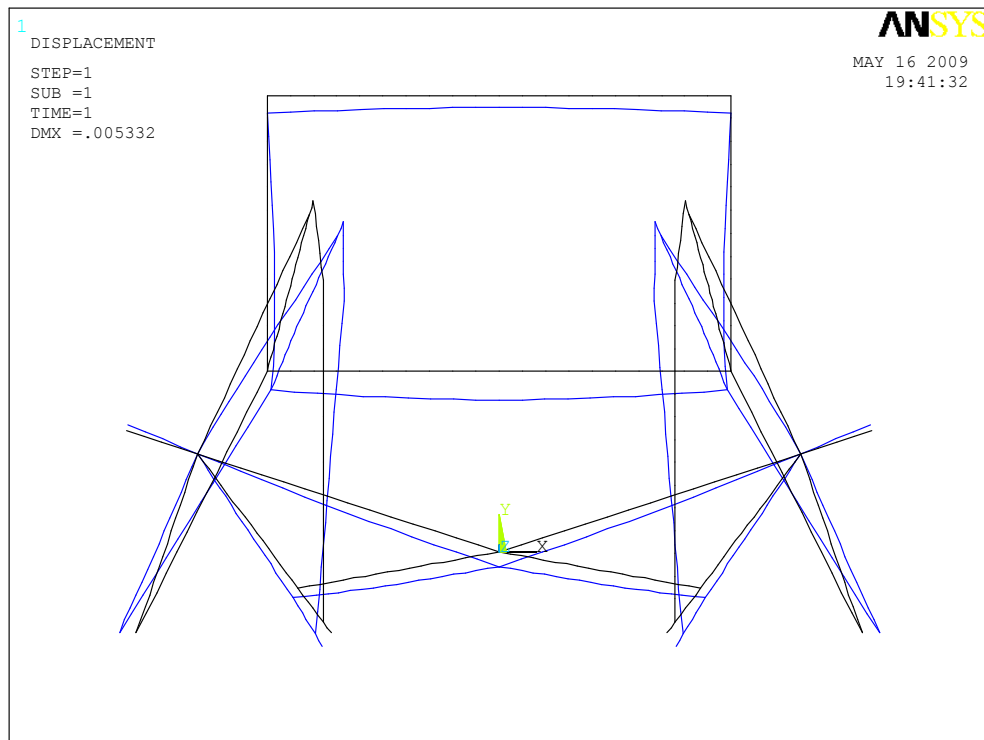
## 1.3. Assaig del prototip posició de Tracció:

### 1.3.1. Càrregues i restriccions:

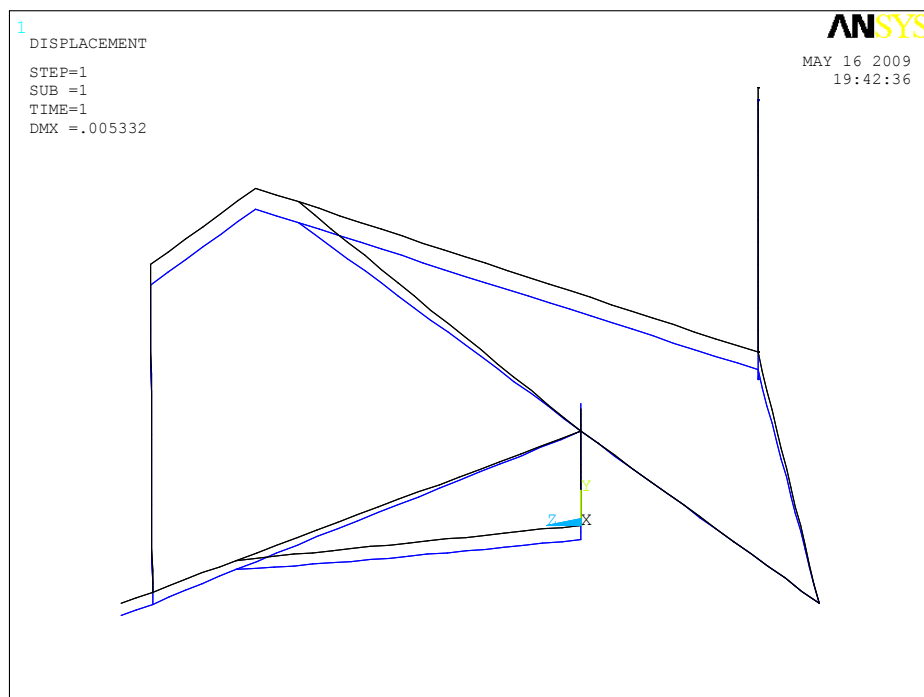


**Figura 163:** Càrregues i restriccions, vista isomètrica.

### 1.3.2 Deformada

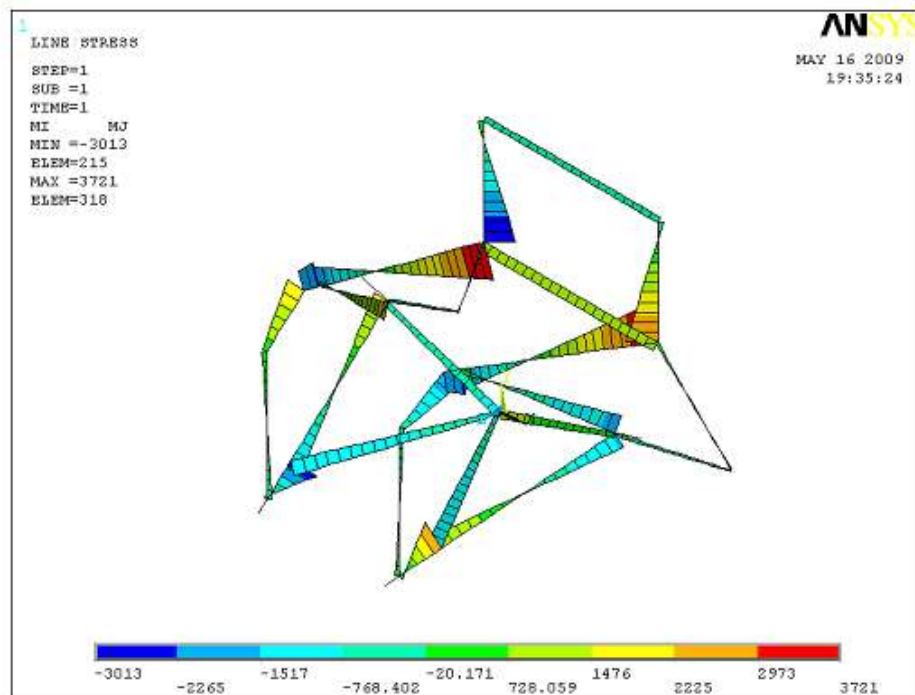


**Figura 164:** Deformada. Vista frontal



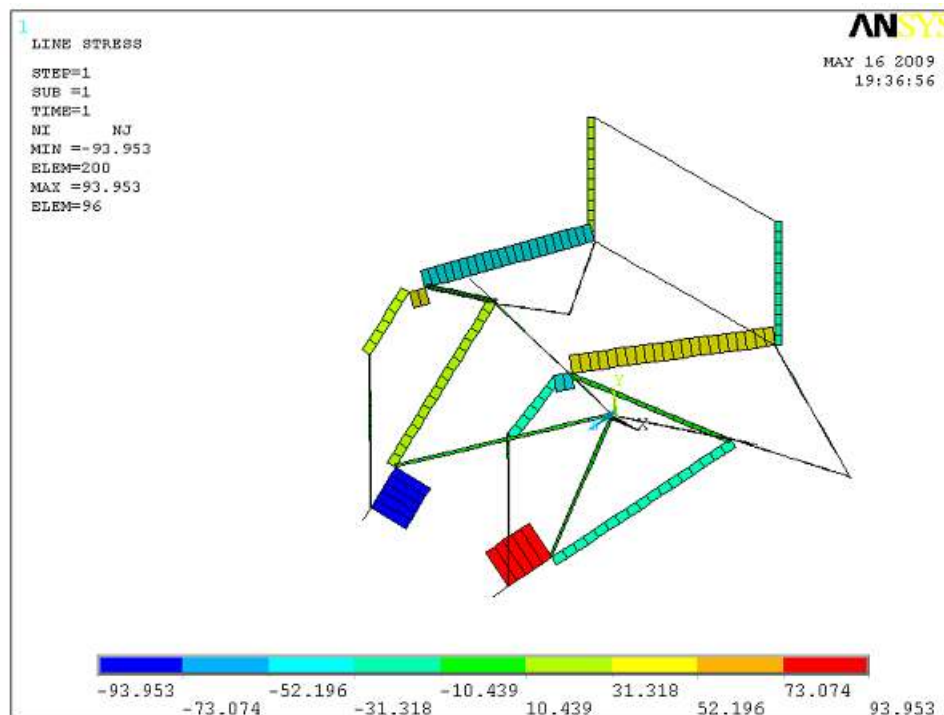
**Figura 165:** Deformada. Vista lateral

### 1.3.3. Moments flectors:



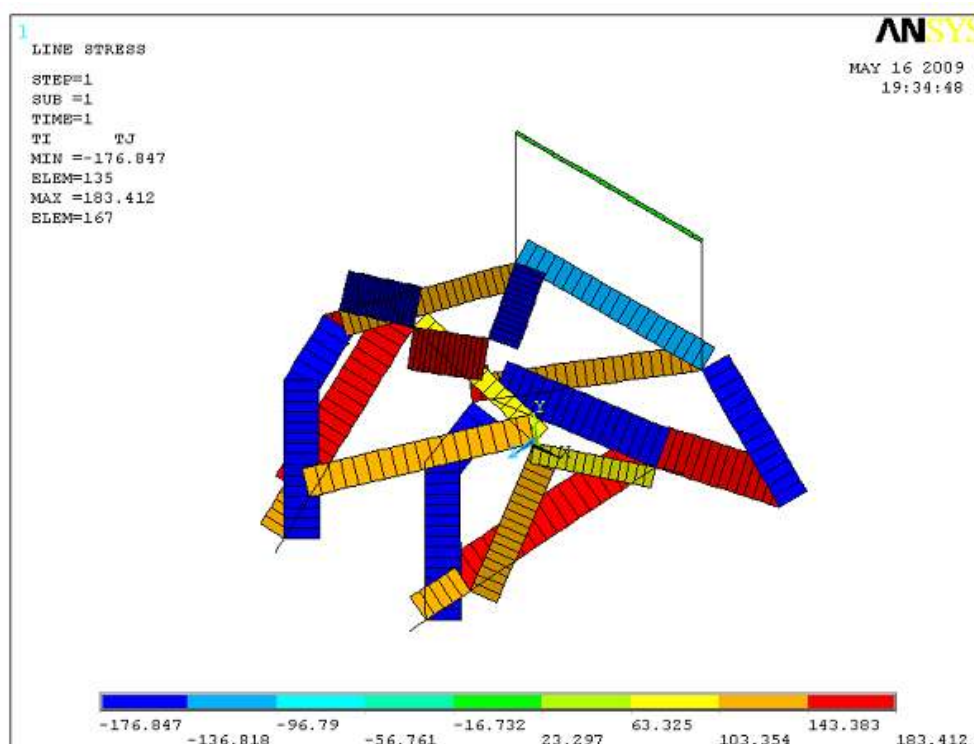
**Figura 166:** Moments flectors en l'assaig de tracció.  
Vista isomètrica.

### 1.3.4. Esforços tallants:

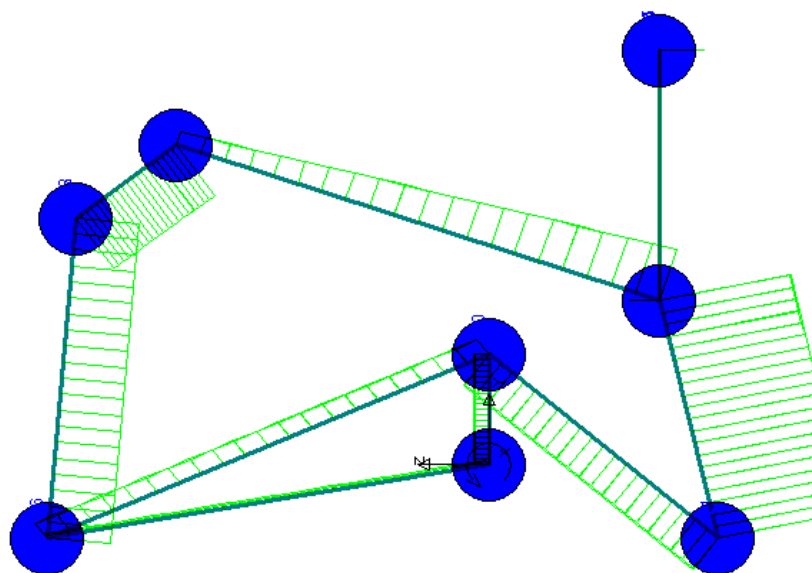


**Figura 167:** Tallants en l'assaig de tracció.  
Vista isomètrica.

### 1.3.5. Esforços normals:



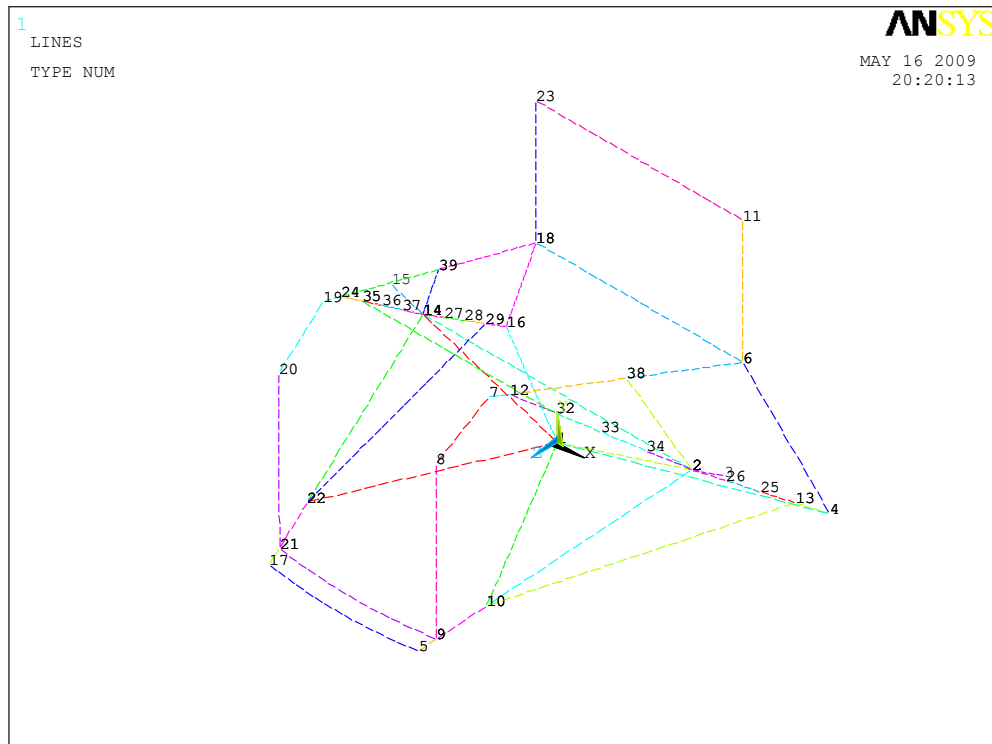
**Figura 168:** Normals en l'assaig de tracció.  
Vista isomètrica.



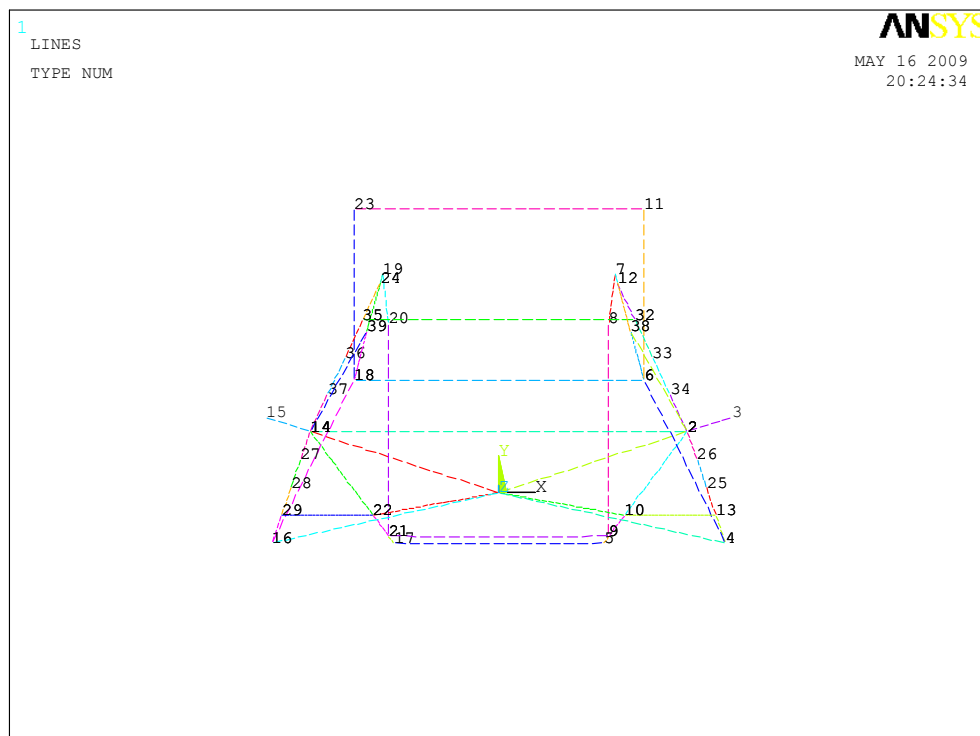
**Figura 169:** Normals en l'assaig de tracció.  
Vista lateral.

## 1.4 Prototip amb les modificacions

### 1.4.1 Geometria del prototip modificada

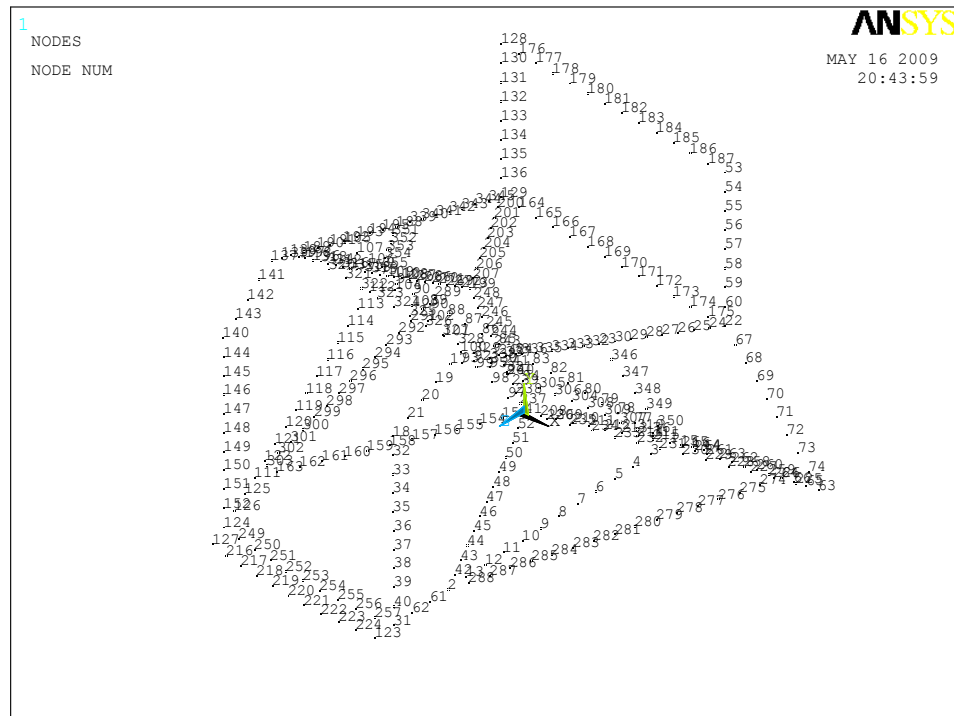


**Figura 170:** Geometria modificada introduïda en el programa.  
Vista isomètrica

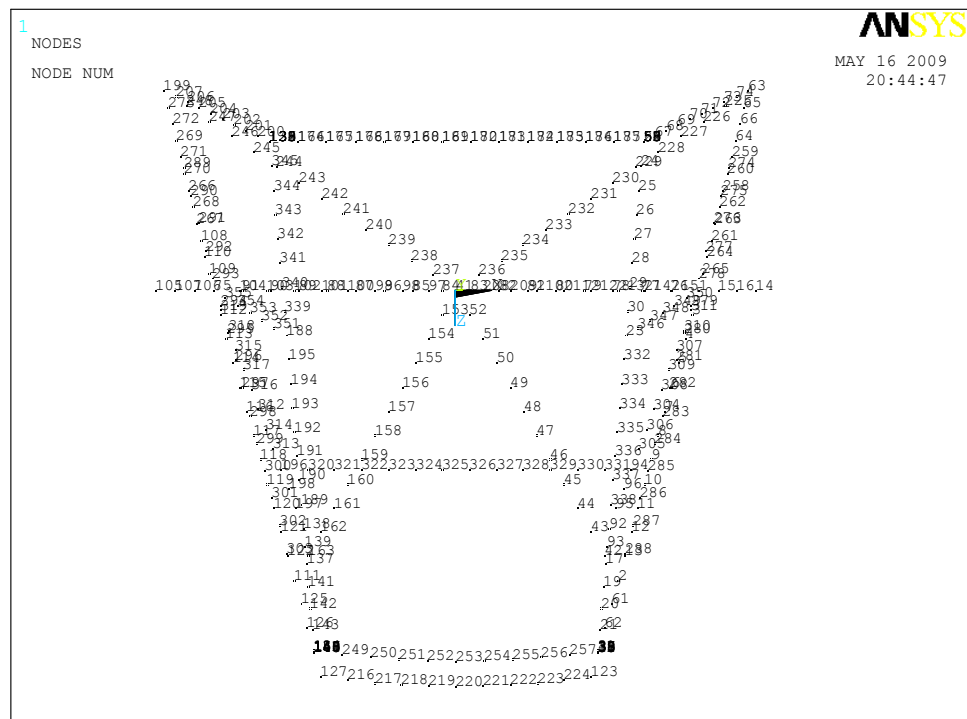


**Figura 171:** Geometria modificada introduïda en el programa.  
Vista isomètrica

### 1.4.2. Mallat del prototip.

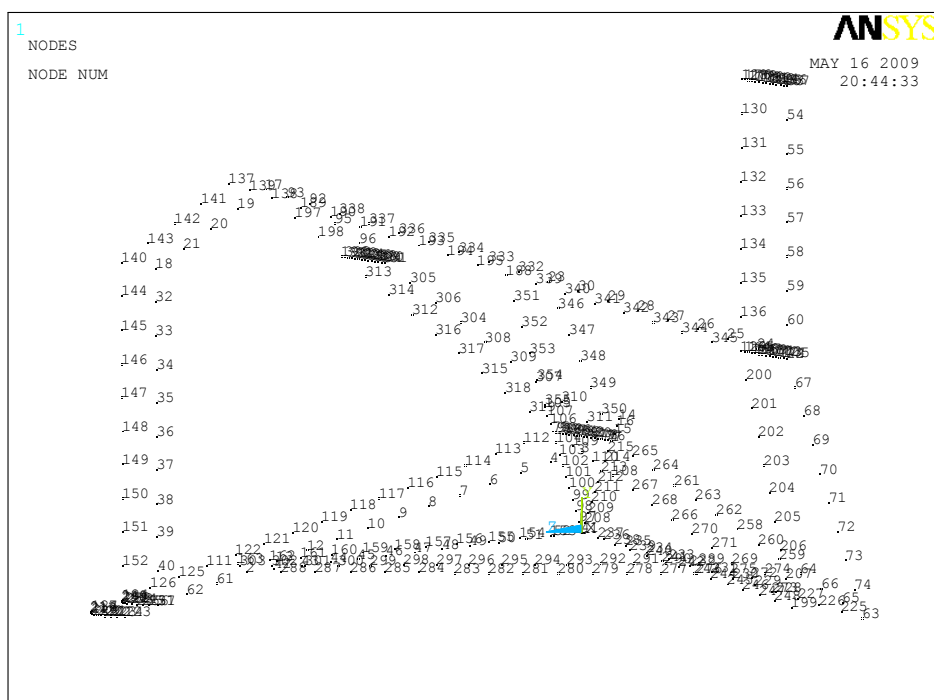
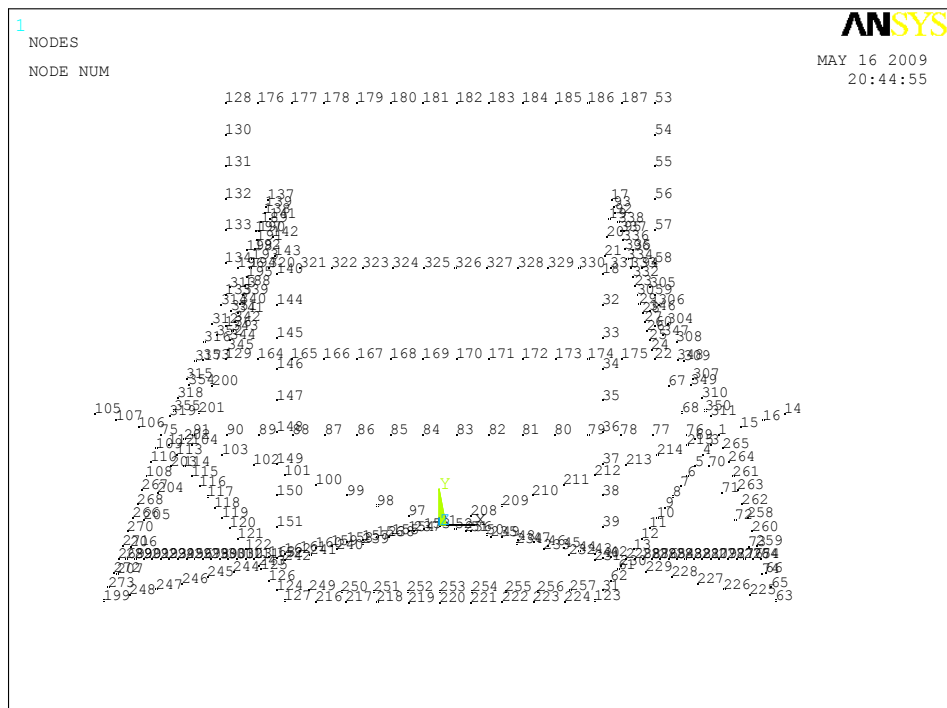


**Figura 172:** Mallat de la geometria modificada.  
Vista isomètrica



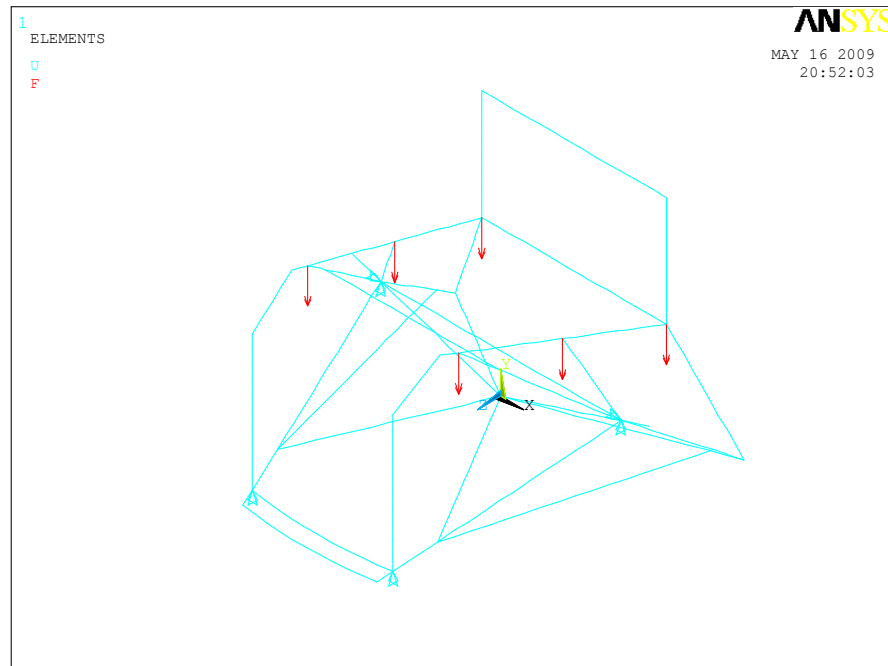
**Figura 173:** Mallat de la geometria modificada.  
Vista en planta





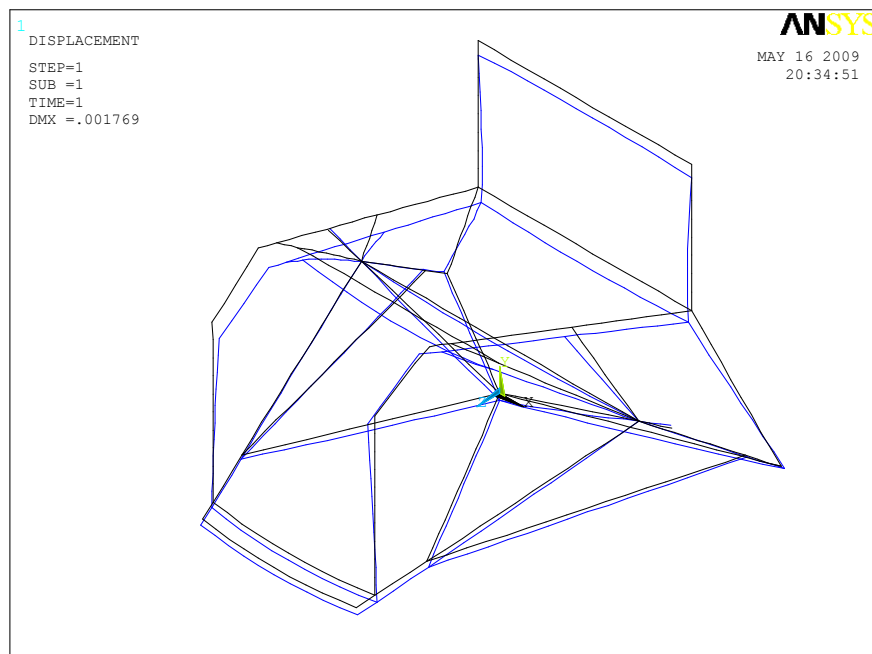
## 1.5. Assaig del prototip modificat, posició de Propulsió

### 1.5.1. Càrregues i restriccions



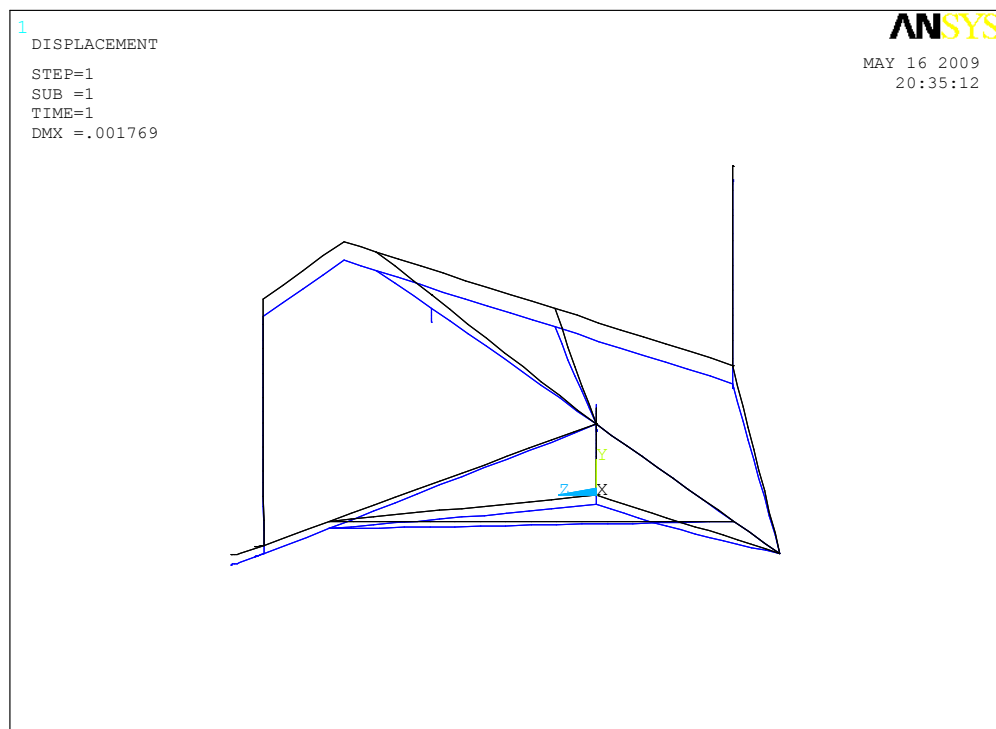
**Figura 176:** Punts d'aplicació de càrregues i restriccions.

### 1.5.2. Deformada

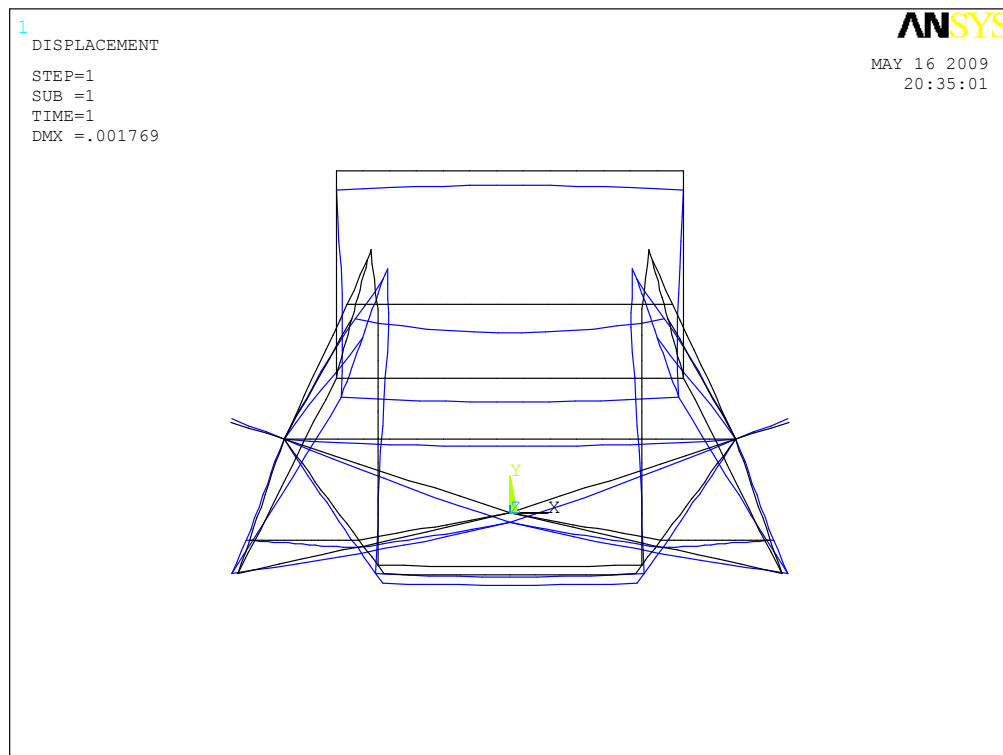


**Figura 177:** Deformada posició de propulsió.

## Vista isomètrica

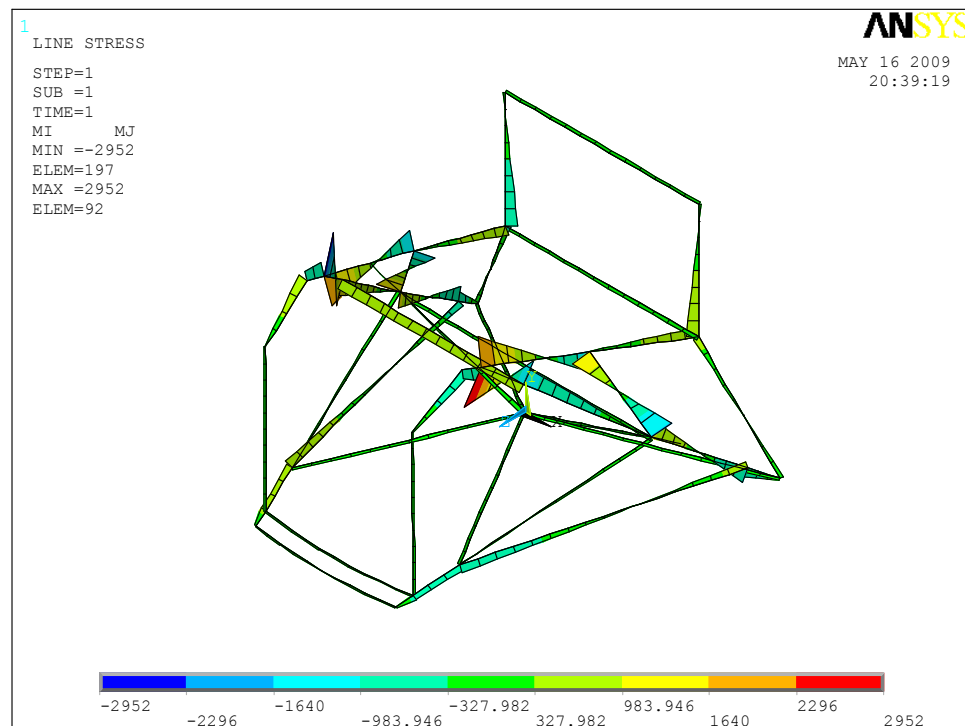


**Figura 178:** Deformada posició de propulsió.  
Vista lateral.



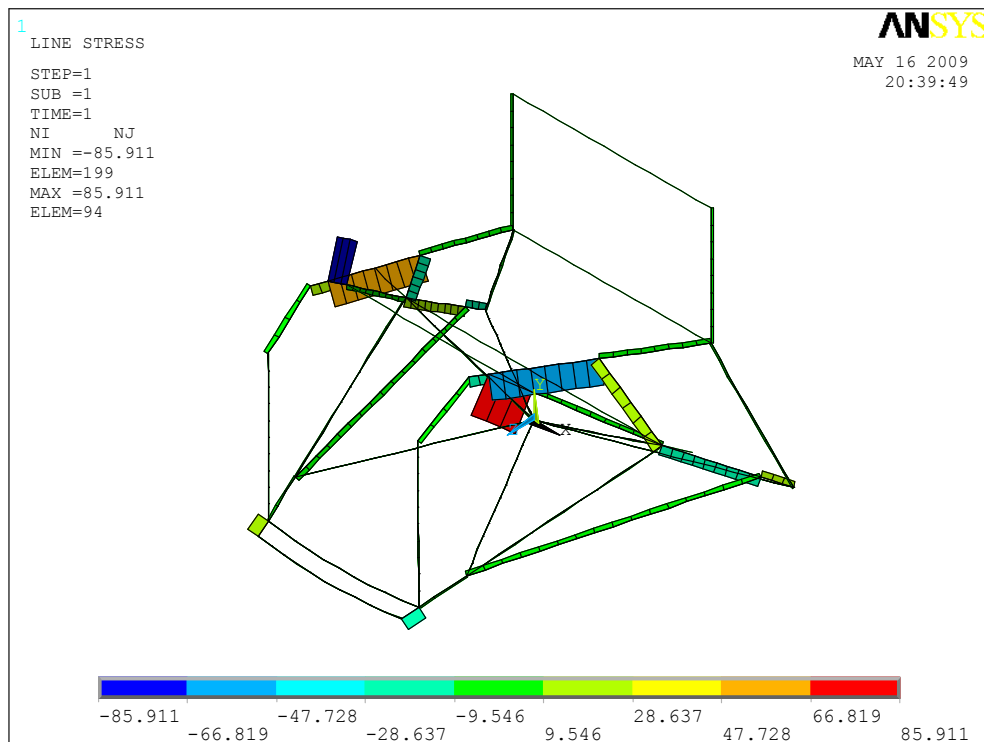
**Figura 179:** Deformada posició de propulsió.  
Vista frontal.

### 1.5.3. Moments flectors



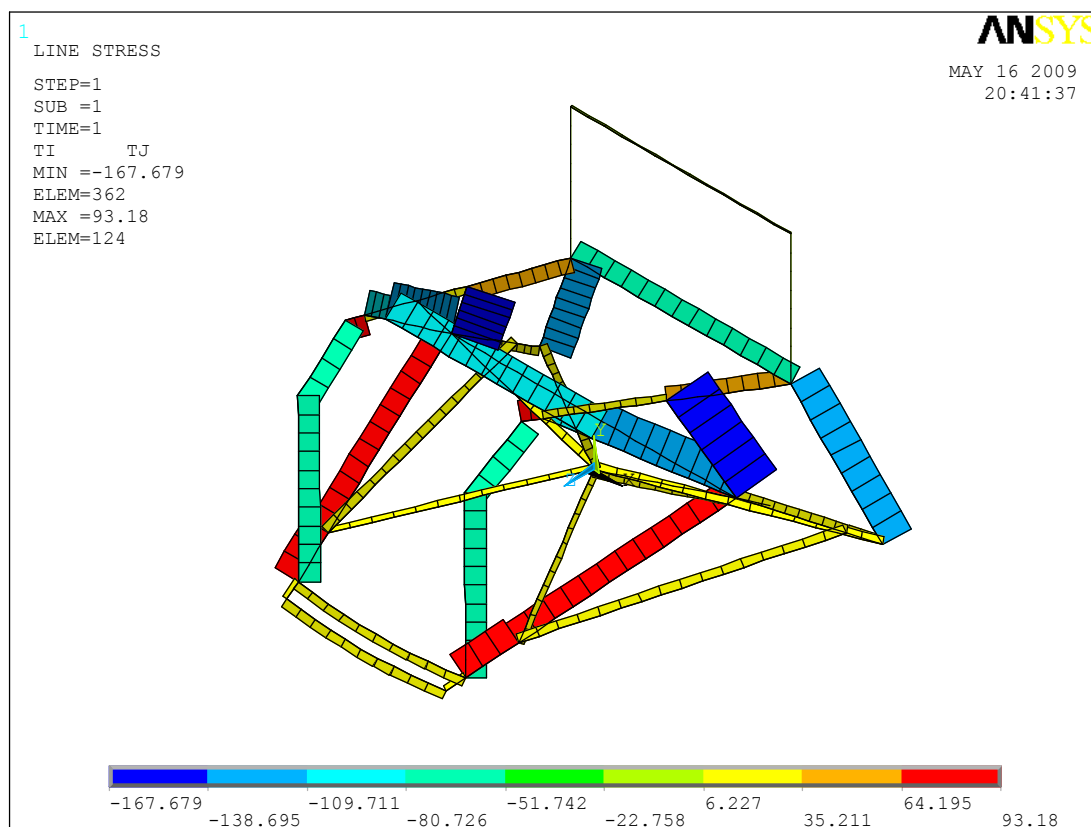
**Figura 180:** Moments flectors en l'assaig de propulsió.  
Vista isomètrica

### 1.5.4. Tallants



**Figura 181:** Tallants en l'assaig de propulsió.  
Vista isomètrica

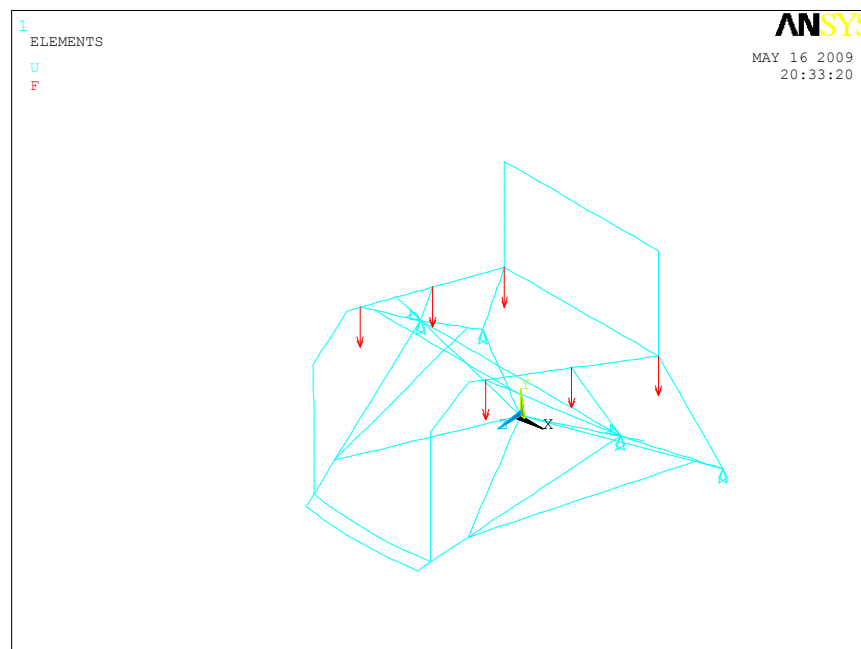
### 1.5.5. Normals



**Figura 182x:** Normals en l'assaig de propulsió.  
Vista isomètrica

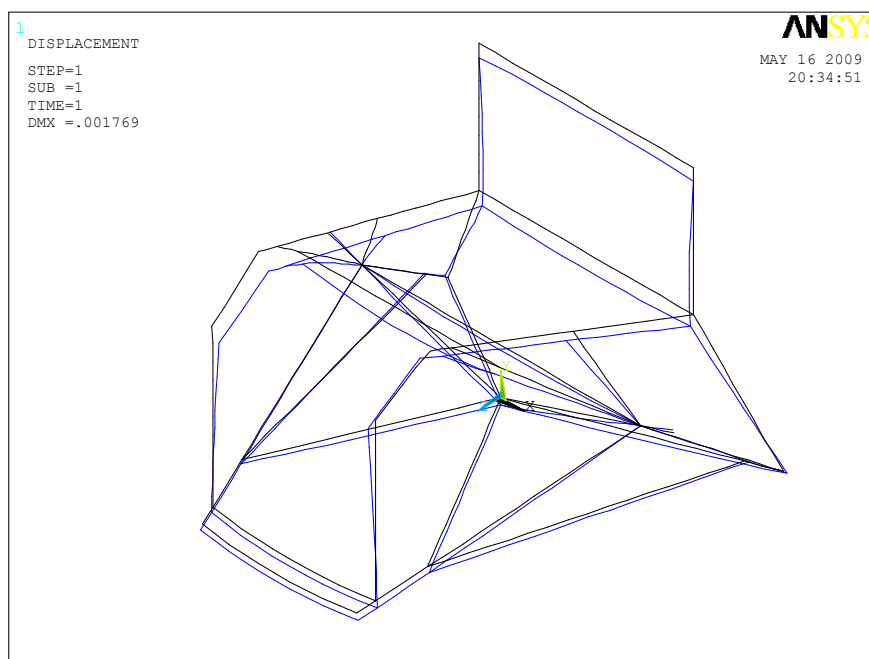
## 1.6. Assaig del prototip modificat, posició de Tracció

### 1.6.1. Accions i restriccions

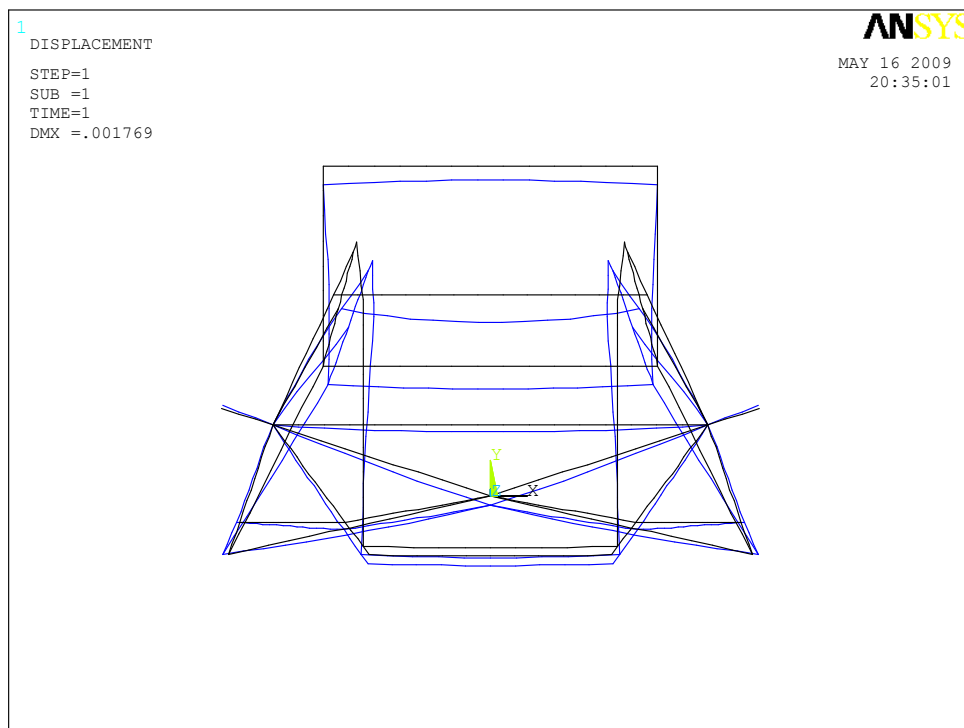


**Figura 183:** Punts d'aplicació de càrregues i restriccions.

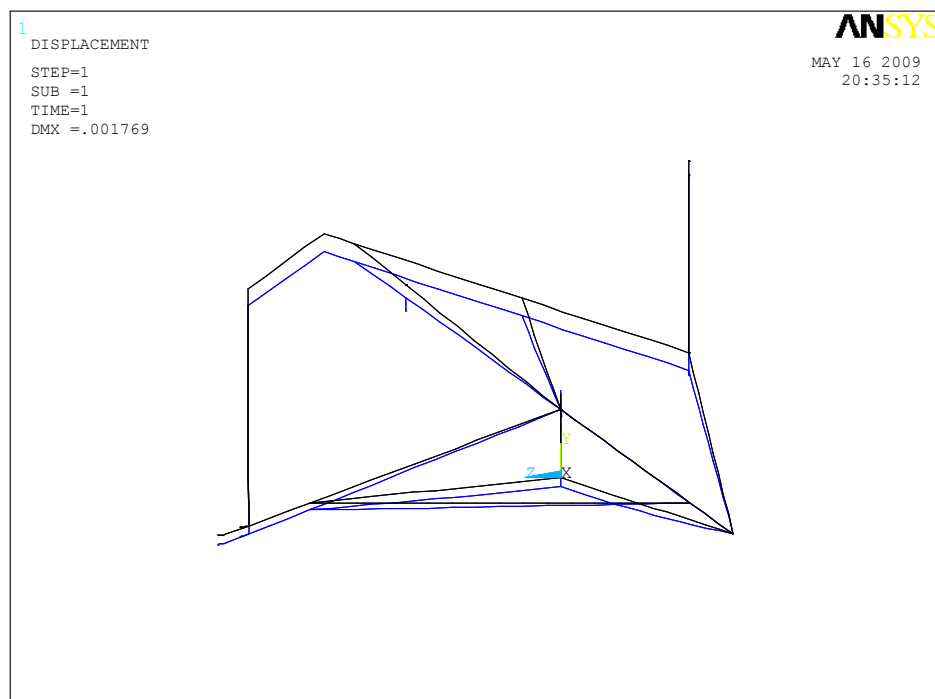
### 1.6.2. Deformada



**Figura 184:** Deformada posició de propulsió.  
Vista isomètrica

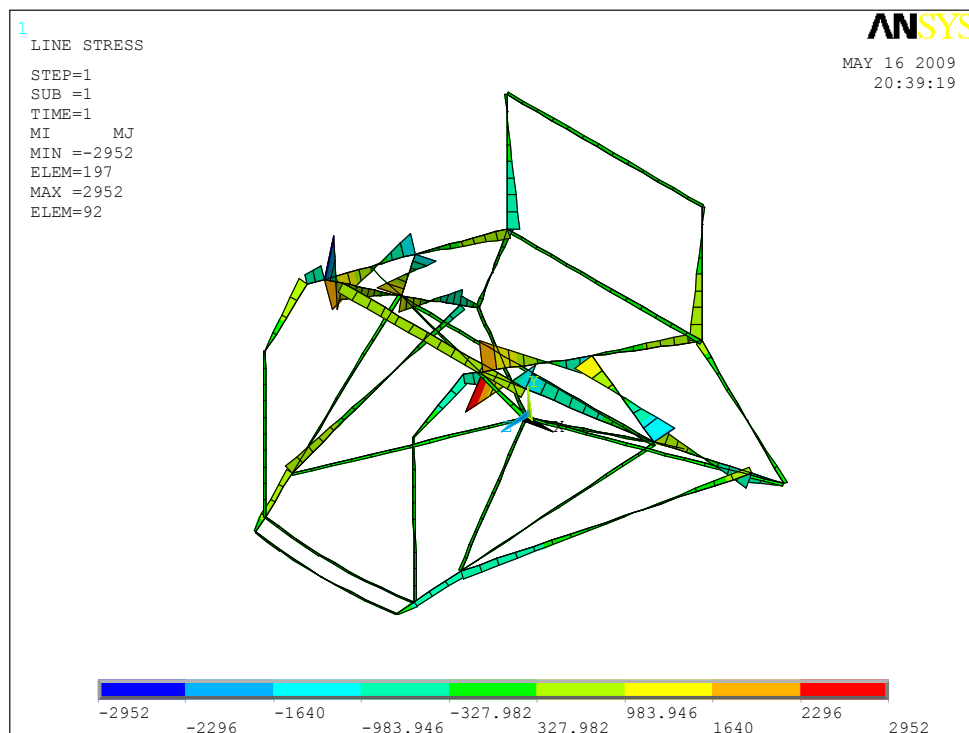


**Figura 185:** Deformada posició de propulsió.  
Vista frontal



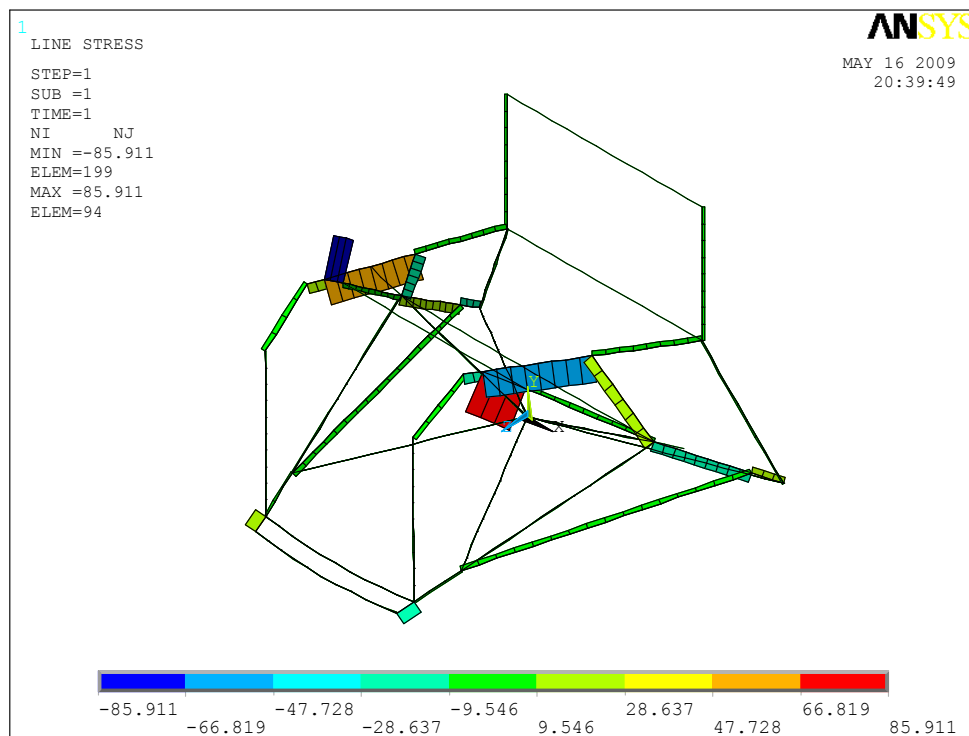
**Figura 186:** Deformada posició de propulsió.  
Vista lateral

### 1.6.3. Moments flectors



**Figura 187:** Moments flectors en l'assaig de tracció.  
Vista isomètrica

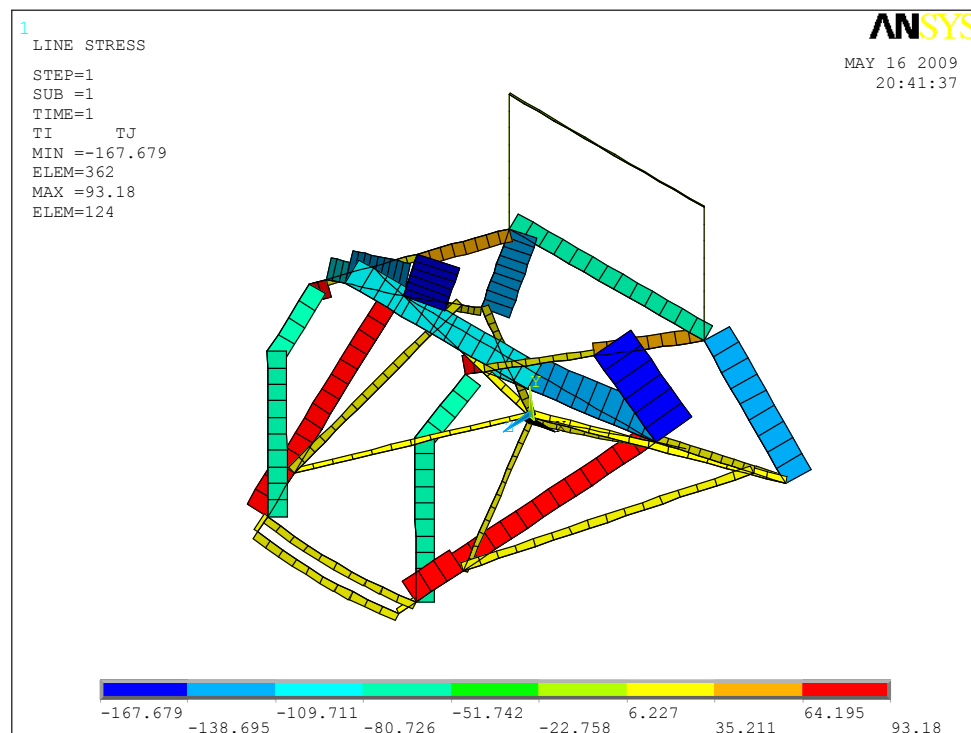
### 1.6.4. Tallants



**Figura 188:** Tallants en l'assaig de tracció.  
Vista isomètrica

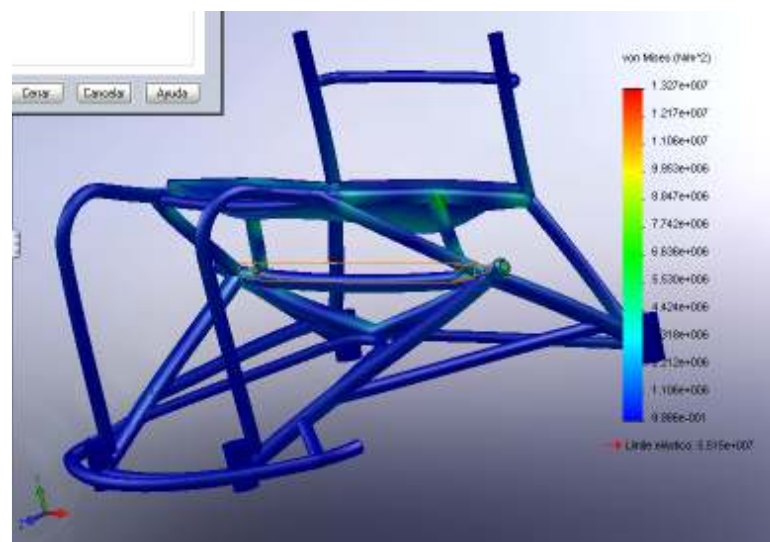


### 1.6.5. Normals



**Figura 189:** Normals en l'assaig de tracció.  
Vista isomètrica

### 1.6.6. Assaig independent



**Figura 190:** Assaig independent fet amb  
el programa Solid Works®

# **CAPÍTOL 2: RESULTATS OBTINGUTS AMB ELS PROGRAMES DE CÀLCUL**

En el segon capítol s'han adjuntat les llistes de resultats extrets amb el programa ANSYS®. En aquestes llistes estan presents tots els esforços que suporta cada un dels nodes de l'estructura.

## 2.1 Resultats del assaig de propulsió fet al prototip

PRINT ELEMENT TABLE ITEMS PER ELEMENT

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
1	-1849.0	-1725.6	-15.009	-15.009	11.626	11.626	11.626	0.58494E-04-0.48185E-04	
2	-1725.6	-1602.1	-15.009	-15.009	11.626	11.626	11.626	0.16519E-03-0.13686E-03	
3	-1602.1	-1478.7	-15.009	-15.009	11.626	11.626	11.626	0.25204E-03-0.21069E-03	
4	-1478.7	-1355.2	-15.009	-15.009	11.626	11.626	11.626	0.32051E-03-0.27078E-03	
5	-1355.2	-1231.8	-15.009	-15.009	11.626	11.626	11.626	0.37209E-03-0.31822E-03	
6	-1231.8	-1108.4	-15.009	-15.009	11.626	11.626	11.626	0.40823E-03-0.35413E-03	
7	-1108.4	-984.90	-15.009	-15.009	11.626	11.626	11.626	0.43042E-03-0.37960E-03	
8	-984.90	-861.45	-15.009	-15.009	11.626	11.626	11.626	0.44012E-03-0.39574E-03	
9	-861.45	-738.01	-15.009	-15.009	11.626	11.626	11.626	0.43882E-03-0.40364E-03	
10	-738.01	-614.56	-15.009	-15.009	11.626	11.626	11.626	0.42797E-03-0.40440E-03	
11	-614.56	-491.11	-15.009	-15.009	11.626	11.626	11.626	0.40906E-03-0.39913E-03	
12	-491.11	-367.66	-15.009	-15.009	11.626	11.626	11.626	0.38355E-03-0.38893E-03	
13	-367.66	-244.21	-15.009	-15.009	11.626	11.626	11.626	0.35292E-03-0.37490E-03	
14	-244.21	-120.76	-15.009	-15.009	11.626	11.626	11.626	0.31864E-03-0.35814E-03	
15	-120.76	2.6838	-15.009	-15.009	11.626	11.626	11.626	0.28218E-03-0.33976E-03	
16	2.6838	126.13	-15.009	-15.009	11.626	11.626	11.626	0.24502E-03-0.32084E-03	
17	126.13	249.58	-15.009	-15.009	11.626	11.626	11.626	0.20863E-03-0.30250E-03	
18	-0.34561E-10-0.10914E-10-0.75955E-12-0.75955E-12-0.60546E-12-0.60546E-12-0.48409E-04	0.14896E-03							
19	-0.20009E-10-0.40018E-10-0.10866E-11-0.10866E-11-0.10704E-11-0.10704E-11-0.14523E-03	0.44688E-03							
20	-0.47294E-10 0.72760E-11-0.35137E-13-0.35137E-13 0.10812E-12 0.10812E-12-0.24205E-03 0.74480E-03								
21	-0.43656E-10 0.0000 -0.34599E-11-0.34599E-11-0.11244E-11-0.11244E-11-0.33886E-03	0.10427E-02							
22	-929.63	-721.71	-18.602	-18.602	-199.24	-199.24	-199.24	-0.58908E-02-0.51350E-02	
23	-721.71	-513.78	-18.602	-18.602	-199.24	-199.24	-199.24	-0.55990E-02-0.50035E-02	
24	-513.78	-305.86	-18.602	-18.602	-199.24	-199.24	-199.24	-0.53242E-02-0.48700E-02	
25	-305.86	-97.935	-18.602	-18.602	-199.24	-199.24	-199.24	-0.50605E-02-0.47351E-02	
26	-97.935	109.99	-18.602	-18.602	-199.24	-199.24	-199.24	-0.48023E-02-0.45995E-02	
27	109.99	317.91	-18.602	-18.602	-199.24	-199.24	-199.24	-0.45440E-02-0.44640E-02	
28	1333.6	1236.7	15.768	15.768	124.38	124.38	124.38	-0.13245E-02-0.53737E-02	
29	1236.7	1139.9	15.768	15.768	124.38	124.38	124.38	-0.14800E-02-0.53569E-02	
30	1139.9	1043.0	15.768	15.768	124.38	124.38	124.38	-0.16451E-02-0.53428E-02	
31	1043.0	946.16	15.768	15.768	124.38	124.38	124.38	-0.18189E-02-0.53309E-02	
32	946.16	849.30	15.768	15.768	124.38	124.38	124.38	-0.20007E-02-0.53213E-02	
33	849.30	752.44	15.768	15.768	124.38	124.38	124.38	-0.21897E-02-0.53136E-02	
34	752.44	655.58	15.768	15.768	124.38	124.38	124.38	-0.23851E-02-0.53076E-02	
35	655.58	558.72	15.768	15.768	124.38	124.38	124.38	-0.25862E-02-0.53031E-02	
36	558.72	461.86	15.768	15.768	124.38	124.38	124.38	-0.27921E-02-0.53000E-02	
37	461.86	365.00	15.768	15.768	124.38	124.38	124.38	-0.30021E-02-0.52980E-02	
38	365.00	268.15	15.768	15.768	124.38	124.38	124.38	-0.32155E-02-0.52968E-02	
39	268.15	171.29	15.768	15.768	124.38	124.38	124.38	-0.34314E-02-0.52964E-02	
40	171.29	74.428	15.768	15.768	124.38	124.38	124.38	-0.36490E-02-0.52964E-02	
41	74.428	-22.431	15.768	15.768	124.38	124.38	124.38	-0.38676E-02-0.52967E-02	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
42	-22.431	-119.29	15.768	15.768	124.38	124.38	124.38	-0.40865E-02-0.52971E-02	
43	-119.29	-216.15	15.768	15.768	124.38	124.38	124.38	-0.43047E-02-0.52973E-02	
44	-216.15	-313.01	15.768	15.768	124.38	124.38	124.38	-0.45217E-02-0.52971E-02	
45	-313.01	-409.87	15.768	15.768	124.38	124.38	124.38	-0.47365E-02-0.52964E-02	
46	-409.87	-506.72	15.768	15.768	124.38	124.38	124.38	-0.49484E-02-0.52949E-02	
47	-506.72	-603.58	15.768	15.768	124.38	124.38	124.38	-0.51566E-02-0.52924E-02	
48	-603.58	-700.44	15.768	15.768	124.38	124.38	124.38	-0.53604E-02-0.52886E-02	
49	-700.44	-797.30	15.768	15.768	124.38	124.38	124.38	-0.55589E-02-0.52835E-02	
50	317.91	214.11	5.4826	5.4826	-200.03	-200.03	-200.03	-0.42009E-02-0.42555E-02	

51	214.11	110.31	5.4826	5.4826	-200.03	-200.03	-0.37661E-02-0.39739E-02
52	110.31	6.5019	5.4826	5.4826	-200.03	-200.03	-0.33185E-02-0.36922E-02
53	6.5019	-97.302	5.4826	5.4826	-200.03	-200.03	-0.28663E-02-0.34106E-02
54	-97.302	-201.11	5.4826	5.4826	-200.03	-200.03	-0.24176E-02-0.31289E-02
55	-201.11	-304.91	5.4826	5.4826	-200.03	-200.03	-0.19808E-02-0.28473E-02
56	-304.91	-408.72	5.4826	5.4826	-200.03	-200.03	-0.15639E-02-0.25657E-02
57	-408.72	-512.52	5.4826	5.4826	-200.03	-200.03	-0.11752E-02-0.22840E-02
58	-512.52	-616.32	5.4826	5.4826	-200.03	-200.03	-0.82283E-03-0.20024E-02
59	-616.32	-720.13	5.4826	5.4826	-200.03	-200.03	-0.51502E-03-0.17208E-02
60	-720.13	-823.93	5.4826	5.4826	-200.03	-200.03	-0.25995E-03-0.14392E-02
61	-823.93	-927.74	5.4826	5.4826	-200.03	-200.03	-0.65818E-04-0.11576E-02
62	-927.74	-1031.5	5.4826	5.4826	-200.03	-200.03	0.59181E-04-0.87600E-03
63	-1031.5	-1135.3	5.4826	5.4826	-200.03	-200.03	0.10686E-03-0.59442E-03
64	-1135.3	-1239.1	5.4826	5.4826	-200.03	-200.03	0.69016E-04-0.31287E-03
65	664.77	604.45	6.3678	6.3678	12.606	12.606	0.18972E-03-0.27463E-03
66	604.45	544.13	6.3678	6.3678	12.606	12.606	0.18648E-03-0.24254E-03
67	544.13	483.81	6.3678	6.3678	12.606	12.606	0.18123E-03-0.22162E-03
68	483.81	423.48	6.3678	6.3678	12.606	12.606	0.17418E-03-0.21069E-03
69	423.48	363.16	6.3678	6.3678	12.606	12.606	0.16554E-03-0.20859E-03
70	363.16	302.84	6.3678	6.3678	12.606	12.606	0.15552E-03-0.21413E-03
71	302.84	242.52	6.3678	6.3678	12.606	12.606	0.14433E-03-0.22615E-03
72	242.52	182.20	6.3678	6.3678	12.606	12.606	0.13219E-03-0.24347E-03
73	182.20	121.88	6.3678	6.3678	12.606	12.606	0.11931E-03-0.26492E-03
74	121.88	61.555	6.3678	6.3678	12.606	12.606	0.10589E-03-0.28933E-03
75	61.555	1.2333	6.3678	6.3678	12.606	12.606	0.92146E-04-0.31552E-03
76	1.2333	-59.088	6.3678	6.3678	12.606	12.606	0.78296E-04-0.34232E-03
77	-59.088	-119.41	6.3678	6.3678	12.606	12.606	0.64547E-04-0.36856E-03
78	-119.41	-179.73	6.3678	6.3678	12.606	12.606	0.51110E-04-0.39306E-03
79	-179.73	-240.05	6.3678	6.3678	12.606	12.606	0.38198E-04-0.41465E-03
80	-240.05	-300.37	6.3678	6.3678	12.606	12.606	0.26021E-04-0.43216E-03
81	-300.37	-360.70	6.3678	6.3678	12.606	12.606	0.14791E-04-0.44442E-03
82	-360.70	-421.02	6.3678	6.3678	12.606	12.606	0.47198E-05-0.45025E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY
83	-331.16	-157.02	-9.0906	-9.0906	-0.10459E-10-0.10459E-10-0.27151E-03-0.53828E-02			
84	-157.02	17.129	-9.0906	-9.0906	-0.95497E-11-0.95497E-11-0.55925E-03-0.53828E-02			
85	17.129	191.28	-9.0906	-9.0906	-0.95497E-11-0.95497E-11-0.85265E-03-0.53828E-02			
86	191.28	365.42	-9.0906	-9.0906	-0.86402E-11-0.86402E-11-0.11376E-02-0.53828E-02			
87	365.42	539.57	-9.0906	-9.0906	-0.90949E-11-0.90949E-11-0.14001E-02-0.53828E-02			
88	539.57	713.71	-9.0906	-9.0906	-0.90949E-11-0.90949E-11-0.16260E-02-0.53828E-02			
89	713.71	887.86	-9.0906	-9.0906	-0.95497E-11-0.95497E-11-0.18013E-02-0.53828E-02			
90	887.86	1062.0	-9.0906	-9.0906	-0.10459E-10-0.10459E-10-0.19119E-02-0.53828E-02			
91	1062.0	1236.2	-9.0906	-9.0906	-0.10004E-10-0.10004E-10-0.19437E-02-0.53828E-02			
92	1236.2	1410.3	-9.0906	-9.0906	-0.90949E-11-0.90949E-11-0.18826E-02-0.53828E-02			
93	1410.3	1584.4	-9.0906	-9.0906	-0.95497E-11-0.95497E-11-0.17147E-02-0.53828E-02			
94	1584.4	1758.6	-9.0906	-9.0906	-0.10914E-10-0.10914E-10-0.14257E-02-0.53828E-02			
95	-415.19	-369.56	-6.5839	-6.5839	0.30433	0.30433	0.17724E-03-0.28352E-03	
96	-369.56	-323.93	-6.5839	-6.5839	0.30433	0.30433	0.14853E-03-0.26216E-03	
97	-323.93	-278.29	-6.5839	-6.5839	0.30433	0.30433	0.11689E-03-0.23859E-03	
98	-278.29	-232.66	-6.5839	-6.5839	0.30433	0.30433	0.82706E-04-0.21311E-03	
99	-232.66	-187.03	-6.5839	-6.5839	0.30433	0.30433	0.46358E-04-0.18601E-03	
100	90.567	-44.268	11.977	11.977	114.05	114.05	0.61641E-02-0.74388E-03	
101	-44.268	-179.10	11.977	11.977	114.05	114.05	0.56042E-02-0.65349E-03	
102	-179.10	-313.94	11.977	11.977	114.05	114.05	0.50472E-02-0.56410E-03	
103	-313.94	-448.77	11.977	11.977	114.05	114.05	0.44968E-02-0.47694E-03	
104	-448.77	-583.61	11.977	11.977	114.05	114.05	0.39564E-02-0.39322E-03	
105	-583.61	-718.44	11.977	11.977	114.05	114.05	0.34297E-02-0.31416E-03	
106	-718.44	-853.28	11.977	11.977	114.05	114.05	0.29201E-02-0.24097E-03	
107	-853.28	-988.11	11.977	11.977	114.05	114.05	0.24313E-02-0.17487E-03	
108	-988.11	-1122.9	11.977	11.977	114.05	114.05	0.19668E-02-0.11707E-03	
109	-1122.9	-1257.8	11.977	11.977	114.05	114.05	0.15302E-02-0.68800E-04	
110	-1257.8	-1392.6	11.977	11.977	114.05	114.05	0.11251E-02-0.31266E-04	
111	-1392.6	-1527.5	11.977	11.977	114.05	114.05	0.75489E-03-0.56874E-05	
112	-1527.5	-1662.3	11.977	11.977	114.05	114.05	0.42327E-03-0.67199E-05	
113	-1662.3	-1797.1	11.977	11.977	114.05	114.05	0.13377E-03-0.47393E-05	

114	941.52	876.06	3.4976	3.4976	-114.62	-114.62	-0.10849E-02-0.52113E-02
115	876.06	810.60	3.4976	3.4976	-114.62	-114.62	-0.72602E-03-0.48532E-02
116	810.60	745.15	3.4976	3.4976	-114.62	-114.62	-0.30901E-03-0.44660E-02
117	745.15	679.69	3.4976	3.4976	-114.62	-114.62	0.16164E-03-0.40519E-02
118	679.69	614.23	3.4976	3.4976	-114.62	-114.62	0.68141E-03-0.36132E-02
119	614.23	548.77	3.4976	3.4976	-114.62	-114.62	0.12458E-02-0.31522E-02
120	548.77	483.31	3.4976	3.4976	-114.62	-114.62	0.18503E-02-0.26711E-02
121	483.31	417.86	3.4976	3.4976	-114.62	-114.62	0.24904E-02-0.21721E-02
122	417.86	352.40	3.4976	3.4976	-114.62	-114.62	0.31615E-02-0.16576E-02
123	352.40	286.94	3.4976	3.4976	-114.62	-114.62	0.38592E-02-0.11298E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT UW	CURRENT UZ
124	286.94	221.48	3.4976	3.4976	-114.62	-114.62	0.45789E-02-0.59099E-03			
125	221.48	156.02	3.4976	3.4976	-114.62	-114.62	0.53162E-02-0.43375E-04			
126	156.02	90.567	3.4976	3.4976	-114.62	-114.62	0.60665E-02 0.51076E-03			
127	-1647.4	-1288.5	-57.456	-57.456	191.68	191.68	-0.57556E-02-0.52612E-02			
128	-1288.5	-929.63	-57.456	-57.456	191.68	191.68	-0.59480E-02-0.52210E-02			
129	850.12	725.91	9.6140	9.6140	-145.62	-145.62	-0.55044E-02-0.51318E-02			
130	725.91	601.70	9.6140	9.6140	-145.62	-145.62	-0.51874E-02-0.48286E-02			
131	601.70	477.49	9.6140	9.6140	-145.62	-145.62	-0.48484E-02-0.45151E-02			
132	477.49	353.28	9.6140	9.6140	-145.62	-145.62	-0.44915E-02-0.41931E-02			
133	353.28	229.07	9.6140	9.6140	-145.62	-145.62	-0.41207E-02-0.38646E-02			
134	229.07	104.86	9.6140	9.6140	-145.62	-145.62	-0.37402E-02-0.35316E-02			
135	104.86	-19.351	9.6140	9.6140	-145.62	-145.62	-0.33542E-02-0.31960E-02			
136	-19.351	-143.56	9.6140	9.6140	-145.62	-145.62	-0.29668E-02-0.28597E-02			
137	-143.56	-267.77	9.6140	9.6140	-145.62	-145.62	-0.25820E-02-0.25247E-02			
138	-267.77	-391.98	9.6140	9.6140	-145.62	-145.62	-0.22041E-02-0.21929E-02			
139	-391.98	-516.19	9.6140	9.6140	-145.62	-145.62	-0.18372E-02-0.18662E-02			
140	-516.19	-640.40	9.6140	9.6140	-145.62	-145.62	-0.14854E-02-0.15467E-02			
141	-640.40	-764.62	9.6140	9.6140	-145.62	-145.62	-0.11528E-02-0.12362E-02			
142	-764.62	-888.83	9.6140	9.6140	-145.62	-145.62	-0.84366E-03-0.93658E-03			
143	-888.83	-1013.0	9.6140	9.6140	-145.62	-145.62	-0.56198E-03-0.64992E-03			
144	-1013.0	-1137.2	9.6140	9.6140	-145.62	-145.62	-0.31194E-03-0.37811E-03			
145	-1137.2	-1261.5	9.6140	9.6140	-145.62	-145.62	-0.97673E-04-0.12308E-03			
146	521.16	397.54	6.5434	6.5434	7.0936	7.0936	-0.76518E-05-0.45884E-03			
147	397.54	273.91	6.5434	6.5434	7.0936	7.0936	-0.27783E-04-0.48856E-03			
148	273.91	150.29	6.5434	6.5434	7.0936	7.0936	-0.56066E-04-0.54337E-03			
149	150.29	26.671	6.5434	6.5434	7.0936	7.0936	-0.89501E-04-0.61403E-03			
150	26.671	-96.950	6.5434	6.5434	7.0936	7.0936	-0.12508E-03-0.69130E-03			
151	-96.950	-220.57	6.5434	6.5434	7.0936	7.0936	-0.15981E-03-0.76595E-03			
152	-220.57	-344.19	6.5434	6.5434	7.0936	7.0936	-0.19069E-03-0.82873E-03			
153	-344.19	-467.81	6.5434	6.5434	7.0936	7.0936	-0.21471E-03-0.87041E-03			
154	-467.81	-591.43	6.5434	6.5434	7.0936	7.0936	-0.22886E-03-0.88174E-03			
155	-591.43	-715.06	6.5434	6.5434	7.0936	7.0936	-0.23016E-03-0.85348E-03			
156	-715.06	-838.68	6.5434	6.5434	7.0936	7.0936	-0.21559E-03-0.77640E-03			
157	-838.68	-962.30	6.5434	6.5434	7.0936	7.0936	-0.18216E-03-0.64125E-03			
158	-962.30	-1085.9	6.5434	6.5434	7.0936	7.0936	-0.12685E-03-0.43879E-03			
159	-1085.9	-1209.5	6.5434	6.5434	7.0936	7.0936	-0.46679E-04-0.15979E-03			
160	0.29104E-10	0.14552E-10	0.36221E-12	0.36221E-12	0.35679E-12	0.35679E-12	0.48409E-04 0.14896E-03			
161	0.23647E-10	0.40018E-10	0.72442E-12	0.72442E-12	0.71358E-12	0.71358E-12	0.14523E-03 0.44688E-03			
162	0.38199E-10	0.25466E-10	0.75955E-12	0.75955E-12	0.60546E-12	0.60546E-12	0.24205E-03 0.74480E-03			
163	0.21828E-10	0.0000	0.60817E-12	0.60817E-12	0.40006E-12	0.40006E-12	0.33886E-03 0.10427E-02			
164	-1797.1	-1662.3	-11.977	-11.977	114.05	114.05	-0.13377E-03-0.47393E-05			

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT UW	CURRENT UZ
165	-1662.3	-1527.5	-11.977	-11.977	114.05	114.05	-0.42327E-03-0.67199E-05			
166	-1527.5	-1392.6	-11.977	-11.977	114.05	114.05	-0.75489E-03 0.56874E-05			
167	-1392.6	-1257.8	-11.977	-11.977	114.05	114.05	-0.11251E-02 0.31266E-04			
168	-1257.8	-1122.9	-11.977	-11.977	114.05	114.05	-0.15302E-02 0.68800E-04			
169	-1122.9	-988.11	-11.977	-11.977	114.05	114.05	-0.19668E-02 0.11707E-03			
170	-988.11	-853.28	-11.977	-11.977	114.05	114.05	-0.24313E-02 0.17487E-03			
171	-853.28	-718.44	-11.977	-11.977	114.05	114.05	-0.29201E-02 0.24097E-03			

172	-718.44	-583.61	-11.977	-11.977	114.05	114.05	-0.34297E-02	0.31416E-03
173	-583.61	-448.77	-11.977	-11.977	114.05	114.05	-0.39564E-02	0.39322E-03
174	-448.77	-313.94	-11.977	-11.977	114.05	114.05	-0.44968E-02	0.47694E-03
175	-313.94	-179.10	-11.977	-11.977	114.05	114.05	-0.50472E-02	0.56410E-03
176	-179.10	-44.268	-11.977	-11.977	114.05	114.05	-0.56042E-02	0.65349E-03
177	-44.268	90.567	-11.977	-11.977	114.05	114.05	-0.61641E-02	0.74388E-03
178	1849.0	1725.6	15.009	15.009	11.626	11.626	-0.58494E-04	0.48185E-04
179	1725.6	1602.1	15.009	15.009	11.626	11.626	-0.16519E-03	0.13686E-03
180	1602.1	1478.7	15.009	15.009	11.626	11.626	-0.25204E-03	0.21069E-03
181	1478.7	1355.2	15.009	15.009	11.626	11.626	-0.32051E-03	0.27078E-03
182	1355.2	1231.8	15.009	15.009	11.626	11.626	-0.37209E-03	0.31822E-03
183	1231.8	1108.4	15.009	15.009	11.626	11.626	-0.40823E-03	0.35413E-03
184	1108.4	984.90	15.009	15.009	11.626	11.626	-0.43042E-03	0.37960E-03
185	984.90	861.45	15.009	15.009	11.626	11.626	-0.44012E-03	0.39574E-03
186	861.45	738.01	15.009	15.009	11.626	11.626	-0.43882E-03	0.40364E-03
187	738.01	614.56	15.009	15.009	11.626	11.626	-0.42797E-03	0.40440E-03
188	614.56	491.11	15.009	15.009	11.626	11.626	-0.40906E-03	0.39913E-03
189	491.11	367.66	15.009	15.009	11.626	11.626	-0.38355E-03	0.38893E-03
190	367.66	244.21	15.009	15.009	11.626	11.626	-0.35292E-03	0.37490E-03
191	244.21	120.76	15.009	15.009	11.626	11.626	-0.31864E-03	0.35814E-03
192	120.76	-2.6838	15.009	15.009	11.626	11.626	-0.28218E-03	0.33976E-03
193	-2.6838	-126.13	15.009	15.009	11.626	11.626	-0.24502E-03	0.32084E-03
194	-126.13	-249.58	15.009	15.009	11.626	11.626	-0.20863E-03	0.30250E-03
195	-1426.2	-713.09	-121.11	-121.11	-163.84	-163.84	0.30912E-04	0.12988E-03
196	-713.09	-0.72760E-11	-121.11	-121.11	-163.84	-163.84	0.35162E-04	0.43833E-04
197	415.19	369.56	6.5839	6.5839	0.30433	0.30433	-0.17724E-03	0.28352E-03
198	369.56	323.93	6.5839	6.5839	0.30433	0.30433	-0.14853E-03	0.26216E-03
199	323.93	278.29	6.5839	6.5839	0.30433	0.30433	-0.11689E-03	0.23859E-03
200	278.29	232.66	6.5839	6.5839	0.30433	0.30433	-0.82706E-04	0.21311E-03
201	232.66	187.03	6.5839	6.5839	0.30433	0.30433	-0.46358E-04	0.18601E-03
202	1426.2	713.09	121.11	121.11	-163.84	-163.84	-0.30912E-04	0.12988E-03
203	713.09	-0.36380E-11	121.11	121.11	-163.84	-163.84	-0.35162E-04	0.43833E-04
204	331.16	157.02	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.27151E-03	0.53828E-02
205	157.02	-17.129	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.55925E-03	0.53828E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
206	-17.129	-191.28	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.85265E-03	0.53828E-02	
207	-191.28	-365.42	9.0906	9.0906	-0.64119E-10	-0.64119E-10	0.11376E-02	0.53828E-02	
208	-365.42	-539.57	9.0906	9.0906	-0.64119E-10	-0.64119E-10	0.14001E-02	0.53828E-02	
209	-539.57	-713.71	9.0906	9.0906	-0.64119E-10	-0.64119E-10	0.16260E-02	0.53828E-02	
210	-713.71	-887.86	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.18013E-02	0.53828E-02	
211	-887.86	-1062.0	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.19119E-02	0.53828E-02	
212	-1062.0	-1236.2	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.19437E-02	0.53828E-02	
213	-1236.2	-1410.3	9.0906	9.0906	-0.63665E-10	-0.63665E-10	0.18826E-02	0.53828E-02	
214	-1410.3	-1584.4	9.0906	9.0906	-0.64574E-10	-0.64574E-10	0.17147E-02	0.53828E-02	
215	-1584.4	-1758.6	9.0906	9.0906	-0.65938E-10	-0.65938E-10	0.14257E-02	0.53828E-02	
216	-929.63	-1288.5	57.456	57.456	191.68	191.68	0.59480E-02	0.52210E-02	
217	-1288.5	-1647.4	57.456	57.456	191.68	191.68	0.57556E-02	0.52612E-02	
218	929.63	721.71	18.602	18.602	-199.24	-199.24	0.58908E-02	0.51350E-02	
219	721.71	513.78	18.602	18.602	-199.24	-199.24	0.55990E-02	0.50035E-02	
220	513.78	305.86	18.602	18.602	-199.24	-199.24	0.53242E-02	0.48700E-02	
221	305.86	97.935	18.602	18.602	-199.24	-199.24	0.50605E-02	0.47351E-02	
222	97.935	-109.99	18.602	18.602	-199.24	-199.24	0.48023E-02	0.45995E-02	
223	-109.99	-317.91	18.602	18.602	-199.24	-199.24	0.45440E-02	0.44640E-02	
224	-317.91	-214.11	-5.4826	-5.4826	-200.03	-200.03	0.42009E-02	0.42555E-02	
225	-214.11	-110.31	-5.4826	-5.4826	-200.03	-200.03	0.37661E-02	0.39739E-02	
226	-110.31	-6.5019	-5.4826	-5.4826	-200.03	-200.03	0.33185E-02	0.36922E-02	
227	-6.5019	97.302	-5.4826	-5.4826	-200.03	-200.03	0.28663E-02	0.34106E-02	
228	97.302	201.11	-5.4826	-5.4826	-200.03	-200.03	0.24176E-02	0.31289E-02	
229	201.11	304.91	-5.4826	-5.4826	-200.03	-200.03	0.19808E-02	0.28473E-02	
230	304.91	408.72	-5.4826	-5.4826	-200.03	-200.03	0.15639E-02	0.25657E-02	
231	408.72	512.52	-5.4826	-5.4826	-200.03	-200.03	0.11752E-02	0.22840E-02	
232	512.52	616.32	-5.4826	-5.4826	-200.03	-200.03	0.82283E-03	0.20024E-02	
233	616.32	720.13	-5.4826	-5.4826	-200.03	-200.03	0.51502E-03	0.17208E-02	
234	720.13	823.93	-5.4826	-5.4826	-200.03	-200.03	0.25995E-03	0.14392E-02	

235	823.93	927.74	-5.4826	-5.4826	-200.03	-200.03	0.65818E-04-0.11576E-02
236	927.74	1031.5	-5.4826	-5.4826	-200.03	-200.03	-0.59181E-04-0.87600E-03
237	1031.5	1135.3	-5.4826	-5.4826	-200.03	-200.03	-0.10686E-03-0.59442E-03
238	1135.3	1239.1	-5.4826	-5.4826	-200.03	-200.03	-0.69016E-04-0.31287E-03
239	-421.02	-360.70	-6.3678	-6.3678	12.606	12.606	-0.47198E-05-0.45025E-03
240	-360.70	-300.37	-6.3678	-6.3678	12.606	12.606	-0.14791E-04-0.44442E-03
241	-300.37	-240.05	-6.3678	-6.3678	12.606	12.606	-0.26021E-04-0.43216E-03
242	-240.05	-179.73	-6.3678	-6.3678	12.606	12.606	-0.38198E-04-0.41465E-03
243	-179.73	-119.41	-6.3678	-6.3678	12.606	12.606	-0.51110E-04-0.39306E-03
244	-119.41	-59.088	-6.3678	-6.3678	12.606	12.606	-0.64547E-04-0.36856E-03
245	-59.088	1.2333	-6.3678	-6.3678	12.606	12.606	-0.78296E-04-0.34232E-03
246	1.2333	61.555	-6.3678	-6.3678	12.606	12.606	-0.92146E-04-0.31552E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
247	61.555	121.88	-6.3678	-6.3678	12.606	12.606	-0.10589E-03-0.28933E-03		
248	121.88	182.20	-6.3678	-6.3678	12.606	12.606	-0.11931E-03-0.26492E-03		
249	182.20	242.52	-6.3678	-6.3678	12.606	12.606	-0.13219E-03-0.24347E-03		
250	242.52	302.84	-6.3678	-6.3678	12.606	12.606	-0.14433E-03-0.22615E-03		
251	302.84	363.16	-6.3678	-6.3678	12.606	12.606	-0.15552E-03-0.21413E-03		
252	363.16	423.48	-6.3678	-6.3678	12.606	12.606	-0.16554E-03-0.20859E-03		
253	423.48	483.81	-6.3678	-6.3678	12.606	12.606	-0.17418E-03-0.21069E-03		
254	483.81	544.13	-6.3678	-6.3678	12.606	12.606	-0.18123E-03-0.22162E-03		
255	544.13	604.45	-6.3678	-6.3678	12.606	12.606	-0.18648E-03-0.24254E-03		
256	604.45	664.77	-6.3678	-6.3678	12.606	12.606	-0.18972E-03-0.27463E-03		
257	516.52	516.52	-0.48431E-10-0.48431E-10	-86.812	-86.812	0.11867E-02-0.55851E-02			
258	516.52	516.52	-0.38881E-10-0.38881E-10	-86.812	-86.812	0.10618E-02-0.59686E-02			
259	516.52	516.52	-0.30923E-10-0.30923E-10	-86.812	-86.812	0.93689E-03-0.63094E-02			
260	516.52	516.52	-0.28422E-10-0.28422E-10	-86.812	-86.812	0.81197E-03-0.66077E-02			
261	516.52	516.52	-0.22169E-10-0.22169E-10	-86.812	-86.812	0.68706E-03-0.68633E-02			
262	516.52	516.52	-0.18758E-10-0.18758E-10	-86.812	-86.812	0.56214E-03-0.70763E-02			
263	516.52	516.52	-0.19725E-10-0.19725E-10	-86.812	-86.812	0.43722E-03-0.72468E-02			
264	516.52	516.52	-0.24215E-10-0.24215E-10	-86.812	-86.812	0.31230E-03-0.73746E-02			
265	516.52	516.52	-0.41467E-10-0.41467E-10	-86.812	-86.812	0.18738E-03-0.74598E-02			
266	516.52	516.52	-0.60588E-10-0.60588E-10	-86.812	-86.812	0.62460E-04-0.75024E-02			
267	516.52	516.52	-0.45532E-10-0.45532E-10	-86.812	-86.812	-0.62460E-04-0.75024E-02			
268	516.52	516.52	-0.59629E-10-0.59629E-10	-86.812	-86.812	-0.18738E-03-0.74598E-02			
269	516.52	516.52	-0.52751E-10-0.52751E-10	-86.812	-86.812	-0.31230E-03-0.73746E-02			
270	516.52	516.52	-0.64801E-10-0.64801E-10	-86.812	-86.812	-0.43722E-03-0.72468E-02			
271	516.52	516.52	-0.61732E-10-0.61732E-10	-86.812	-86.812	-0.56214E-03-0.70763E-02			
272	516.52	516.52	-0.59003E-10-0.59003E-10	-86.812	-86.812	-0.68706E-03-0.68633E-02			
273	516.52	516.52	-0.54797E-10-0.54797E-10	-86.812	-86.812	-0.81197E-03-0.66077E-02			
274	516.52	516.52	-0.51159E-10-0.51159E-10	-86.812	-86.812	-0.93689E-03-0.63094E-02			
275	516.52	516.52	-0.57980E-10-0.57980E-10	-86.812	-86.812	-0.10618E-02-0.59686E-02			
276	516.52	516.52	-0.65711E-10-0.65711E-10	-86.812	-86.812	-0.11867E-02-0.55851E-02			
277	-331.16	-331.16	-0.55138E-10-0.55138E-10	-9.0906	-9.0906	0.12427E-03-0.52530E-02			
278	-331.16	-331.16	-0.52978E-10-0.52978E-10	-9.0906	-9.0906	0.11119E-03-0.50072E-02			
279	-331.16	-331.16	-0.40359E-10-0.40359E-10	-9.0906	-9.0906	0.98108E-04-0.47886E-02			
280	-331.16	-331.16	-0.31946E-10-0.31946E-10	-9.0906	-9.0906	0.85027E-04-0.45974E-02			
281	-331.16	-331.16	-0.23761E-10-0.23761E-10	-9.0906	-9.0906	0.71946E-04-0.44335E-02			
282	-331.16	-331.16	-0.17735E-10-0.17735E-10	-9.0906	-9.0906	0.58865E-04-0.42969E-02			
283	-331.16	-331.16	-0.58549E-11-0.58549E-11	-9.0906	-9.0906	0.45784E-04-0.41877E-02			
284	-331.16	-331.16	-0.85265E-12-0.85265E-12	-9.0906	-9.0906	0.32703E-04-0.41057E-02			
285	-331.16	-331.16	-0.14467E-10-0.14467E-10	-9.0906	-9.0906	0.19622E-04-0.40511E-02			
286	-331.16	-331.16	-0.10843E-10-0.10843E-10	-9.0906	-9.0906	0.65405E-05-0.40238E-02			
287	-331.16	-331.16	-0.10317E-10-0.10317E-10	-9.0906	-9.0906	-0.65405E-05-0.40238E-02			

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
288	-331.16	-331.16	-0.57412E-11-0.57412E-11	-9.0906	-9.0906	-0.19622E-04-0.40511E-02			
289	-331.16	-331.16	0.30127E-11 0.30127E-11	-9.0906	-9.0906	-0.32703E-04-0.41057E-02			
290	-331.16	-331.16	0.68212E-12 0.68212E-12	-9.0906	-9.0906	-0.45784E-04-0.41877E-02			
291	-331.16	-331.16	0.94360E-11 0.94360E-11	-9.0906	-9.0906	-0.58865E-04-0.42969E-02			
292	-331.16	-331.16	0.78444E-11 0.78444E-11	-9.0906	-9.0906	-0.71946E-04-0.44335E-02			

293	-331.16	-331.16	0.45475E-11	0.45475E-11	-9.0906	-9.0906	-0.85027E-04	-0.45974E-02
294	-331.16	-331.16	0.11369E-10	0.11369E-10	-9.0906	-9.0906	-0.98108E-04	-0.47886E-02
295	-331.16	-331.16	0.76170E-11	0.76170E-11	-9.0906	-9.0906	-0.11119E-03	-0.50072E-02
296	-331.16	-331.16	0.43201E-11	0.43201E-11	-9.0906	-9.0906	-0.12427E-03	-0.52530E-02
297	-797.30	-700.44	-15.768	-15.768	124.38	124.38	0.55589E-02	-0.52835E-02
298	-700.44	-603.58	-15.768	-15.768	124.38	124.38	0.53604E-02	-0.52886E-02
299	-603.58	-506.72	-15.768	-15.768	124.38	124.38	0.51566E-02	-0.52924E-02
300	-506.72	-409.87	-15.768	-15.768	124.38	124.38	0.49484E-02	-0.52949E-02
301	-409.87	-313.01	-15.768	-15.768	124.38	124.38	0.47365E-02	-0.52964E-02
302	-313.01	-216.15	-15.768	-15.768	124.38	124.38	0.45217E-02	-0.52971E-02
303	-216.15	-119.29	-15.768	-15.768	124.38	124.38	0.43047E-02	-0.52973E-02
304	-119.29	-22.431	-15.768	-15.768	124.38	124.38	0.40865E-02	-0.52971E-02
305	-22.431	74.428	-15.768	-15.768	124.38	124.38	0.38676E-02	-0.52967E-02
306	74.428	171.29	-15.768	-15.768	124.38	124.38	0.36490E-02	-0.52964E-02
307	171.29	268.15	-15.768	-15.768	124.38	124.38	0.34314E-02	-0.52964E-02
308	268.15	365.00	-15.768	-15.768	124.38	124.38	0.32155E-02	-0.52968E-02
309	365.00	461.86	-15.768	-15.768	124.38	124.38	0.30021E-02	-0.52980E-02
310	461.86	558.72	-15.768	-15.768	124.38	124.38	0.27921E-02	-0.53000E-02
311	558.72	655.58	-15.768	-15.768	124.38	124.38	0.25862E-02	-0.53031E-02
312	655.58	752.44	-15.768	-15.768	124.38	124.38	0.23851E-02	-0.53076E-02
313	752.44	849.30	-15.768	-15.768	124.38	124.38	0.21897E-02	-0.53136E-02
314	849.30	946.16	-15.768	-15.768	124.38	124.38	0.20007E-02	-0.53213E-02
315	946.16	1043.0	-15.768	-15.768	124.38	124.38	0.18189E-02	-0.53309E-02
316	1043.0	1139.9	-15.768	-15.768	124.38	124.38	0.16451E-02	-0.53428E-02
317	1139.9	1236.7	-15.768	-15.768	124.38	124.38	0.14800E-02	-0.53569E-02
318	1236.7	1333.6	-15.768	-15.768	124.38	124.38	0.13245E-02	-0.53737E-02
319	-850.12	-725.91	-9.6140	-9.6140	-145.62	-145.62	0.55044E-02	-0.51318E-02
320	-725.91	-601.70	-9.6140	-9.6140	-145.62	-145.62	0.51874E-02	-0.48286E-02
321	-601.70	-477.49	-9.6140	-9.6140	-145.62	-145.62	0.48484E-02	-0.45151E-02
322	-477.49	-353.28	-9.6140	-9.6140	-145.62	-145.62	0.44915E-02	-0.41931E-02
323	-353.28	-229.07	-9.6140	-9.6140	-145.62	-145.62	0.41207E-02	-0.38646E-02
324	-229.07	-104.86	-9.6140	-9.6140	-145.62	-145.62	0.37402E-02	-0.35316E-02
325	-104.86	19.351	-9.6140	-9.6140	-145.62	-145.62	0.33542E-02	-0.31960E-02
326	19.351	143.56	-9.6140	-9.6140	-145.62	-145.62	0.29668E-02	-0.28597E-02
327	143.56	267.77	-9.6140	-9.6140	-145.62	-145.62	0.25820E-02	-0.25247E-02
328	267.77	391.98	-9.6140	-9.6140	-145.62	-145.62	0.22041E-02	-0.21929E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT TI	CURRENT TJ	CURRENT NI	CURRENT NJ	CURRENT UX	CURRENT UY	CURRENT
329	391.98	516.19	-9.6140	-9.6140	-145.62	-145.62	0.18372E-02	-0.18662E-02	
330	516.19	640.40	-9.6140	-9.6140	-145.62	-145.62	0.14854E-02	-0.15467E-02	
331	640.40	764.62	-9.6140	-9.6140	-145.62	-145.62	0.11528E-02	-0.12362E-02	
332	764.62	888.83	-9.6140	-9.6140	-145.62	-145.62	0.84366E-03	-0.93658E-03	
333	888.83	1013.0	-9.6140	-9.6140	-145.62	-145.62	0.56198E-03	-0.64992E-03	
334	1013.0	1137.2	-9.6140	-9.6140	-145.62	-145.62	0.31194E-03	-0.37811E-03	
335	1137.2	1261.5	-9.6140	-9.6140	-145.62	-145.62	0.97673E-04	-0.12308E-03	
336	-941.52	-876.06	-3.4976	-3.4976	-114.62	-114.62	0.10849E-02	-0.52113E-02	
337	-876.06	-810.60	-3.4976	-3.4976	-114.62	-114.62	0.72602E-03	-0.48532E-02	
338	-810.60	-745.15	-3.4976	-3.4976	-114.62	-114.62	0.30901E-03	-0.44660E-02	
339	-745.15	-679.69	-3.4976	-3.4976	-114.62	-114.62	-0.16164E-03	-0.40519E-02	
340	-679.69	-614.23	-3.4976	-3.4976	-114.62	-114.62	-0.68141E-03	-0.36132E-02	
341	-614.23	-548.77	-3.4976	-3.4976	-114.62	-114.62	-0.12458E-02	-0.31522E-02	
342	-548.77	-483.31	-3.4976	-3.4976	-114.62	-114.62	-0.18503E-02	-0.26711E-02	
343	-483.31	-417.86	-3.4976	-3.4976	-114.62	-114.62	-0.24904E-02	-0.21721E-02	
344	-417.86	-352.40	-3.4976	-3.4976	-114.62	-114.62	-0.31615E-02	-0.16576E-02	
345	-352.40	-286.94	-3.4976	-3.4976	-114.62	-114.62	-0.38592E-02	-0.11298E-02	
346	-286.94	-221.48	-3.4976	-3.4976	-114.62	-114.62	-0.45789E-02	-0.59099E-03	
347	-221.48	-156.02	-3.4976	-3.4976	-114.62	-114.62	-0.53162E-02	-0.43375E-04	
348	-156.02	-90.567	-3.4976	-3.4976	-114.62	-114.62	-0.60665E-02	0.51076E-03	
349	-521.16	-397.54	-6.5434	-6.5434	7.0936	7.0936	0.76518E-05	-0.45884E-03	
350	-397.54	-273.91	-6.5434	-6.5434	7.0936	7.0936	0.27783E-04	-0.48856E-03	
351	-273.91	-150.29	-6.5434	-6.5434	7.0936	7.0936	0.56066E-04	-0.54337E-03	
352	-150.29	-26.671	-6.5434	-6.5434	7.0936	7.0936	0.89501E-04	-0.61403E-03	
353	-26.671	96.950	-6.5434	-6.5434	7.0936	7.0936	0.12508E-03	-0.69130E-03	
354	96.950	220.57	-6.5434	-6.5434	7.0936	7.0936	0.15981E-03	-0.76595E-03	
355	220.57	344.19	-6.5434	-6.5434	7.0936	7.0936	0.19069E-03	-0.82873E-03	



356	344.19	467.81	-6.5434	-6.5434	7.0936	7.0936	0.21471E-03-0.87041E-03
357	467.81	591.43	-6.5434	-6.5434	7.0936	7.0936	0.22886E-03-0.88174E-03
358	591.43	715.06	-6.5434	-6.5434	7.0936	7.0936	0.23016E-03-0.85348E-03
359	715.06	838.68	-6.5434	-6.5434	7.0936	7.0936	0.21559E-03-0.77640E-03
360	838.68	962.30	-6.5434	-6.5434	7.0936	7.0936	0.18216E-03-0.64125E-03
361	962.30	1085.9	-6.5434	-6.5434	7.0936	7.0936	0.12685E-03-0.43879E-03
362	1085.9	1209.5	-6.5434	-6.5434	7.0936	7.0936	0.46679E-04-0.15979E-03

#### MINIMUM VALUES

ELEM	1	113	195	195	55	55	177	267
VALUE	-1849.0	-1797.1	-121.11	-121.11	-200.03	-200.03	-0.61641E-02-0.75024E-02	

#### MAXIMUM VALUES

ELEM	178	94	202	202	127	127	100	21
VALUE	1849.0	1758.6	121.11	121.11	191.68	191.68	0.61641E-02	0.10427E-02

## 2.2. Resultats del assaig de tracció fet al prototip

PRINT ELEMENT TABLE ITEMS PER ELEMENT

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
1	-1583.4	-1408.0	-21.322	-21.322	170.33	170.33	170.33	0.31079E-04	-0.47600E-04	
2	-1408.0	-1232.6	-21.322	-21.322	170.33	170.33	170.33	0.90092E-04	-0.14045E-03	
3	-1232.6	-1057.3	-21.322	-21.322	170.33	170.33	170.33	0.14321E-03	-0.22888E-03	
4	-1057.3	-881.89	-21.322	-21.322	170.33	170.33	170.33	0.19121E-03	-0.31350E-03	
5	-881.89	-706.52	-21.322	-21.322	170.33	170.33	170.33	0.23487E-03	-0.39487E-03	
6	-706.52	-531.15	-21.322	-21.322	170.33	170.33	170.33	0.27499E-03	-0.47358E-03	
7	-531.15	-355.78	-21.322	-21.322	170.33	170.33	170.33	0.31235E-03	-0.55023E-03	
8	-355.78	-180.41	-21.322	-21.322	170.33	170.33	170.33	0.34772E-03	-0.62540E-03	
9	-180.41	-5.0354	-21.322	-21.322	170.33	170.33	170.33	0.38190E-03	-0.69968E-03	
10	-5.0354	170.34	-21.322	-21.322	170.33	170.33	170.33	0.41566E-03	-0.77364E-03	
11	170.34	345.71	-21.322	-21.322	170.33	170.33	170.33	0.44979E-03	-0.84788E-03	
12	345.71	521.08	-21.322	-21.322	170.33	170.33	170.33	0.48508E-03	-0.92298E-03	
13	521.08	696.45	-21.322	-21.322	170.33	170.33	170.33	0.52230E-03	-0.99953E-03	
14	696.45	871.82	-21.322	-21.322	170.33	170.33	170.33	0.56223E-03	-0.10781E-02	
15	871.82	1047.2	-21.322	-21.322	170.33	170.33	170.33	0.60568E-03	-0.11593E-02	
16	1047.2	1222.6	-21.322	-21.322	170.33	170.33	170.33	0.65341E-03	-0.12437E-02	
17	1222.6	1397.9	-21.322	-21.322	170.33	170.33	170.33	0.70621E-03	-0.13319E-02	
18	-0.83674E-10	-0.50932E-10	-0.18705E-11	-0.18705E-11	-0.12971E-12	-0.12971E-12	-0.32607E-04	0.10033E-03		
19	-0.47294E-10	-0.21828E-10	-0.36707E-11	-0.36707E-11	-0.47566E-12	-0.47566E-12	-0.97820E-04	0.30100E-03		
20	-0.36380E-10	-0.14552E-10	-0.21733E-11	-0.21733E-11	-0.21407E-11	-0.21407E-11	-0.16303E-03	0.50167E-03		
21	-0.36380E-10	0.14552E-10	-0.32976E-11	-0.32976E-11	0.13191E-11	0.13191E-11	-0.22825E-03	0.70234E-03		
22	-1891.4	-1652.7	-21.361	-21.361	-150.86	-150.86	-0.42040E-02	-0.31040E-02		
23	-1652.7	-1413.9	-21.361	-21.361	-150.86	-150.86	-0.39616E-02	-0.30860E-02		
24	-1413.9	-1175.1	-21.361	-21.361	-150.86	-150.86	-0.37350E-02	-0.30661E-02		
25	-1175.1	-936.38	-21.361	-21.361	-150.86	-150.86	-0.35215E-02	-0.30447E-02		
26	-936.38	-697.62	-21.361	-21.361	-150.86	-150.86	-0.33188E-02	-0.30219E-02		
27	-697.62	-458.85	-21.361	-21.361	-150.86	-150.86	-0.31245E-02	-0.29981E-02		
28	3721.0	3464.8	41.702	41.702	111.35	111.35	-0.66446E-03	-0.25986E-02		
29	3464.8	3208.7	41.702	41.702	111.35	111.35	-0.76934E-03	-0.26072E-02		
30	3208.7	2952.5	41.702	41.702	111.35	111.35	-0.88425E-03	-0.26186E-02		
31	2952.5	2696.3	41.702	41.702	111.35	111.35	-0.10084E-02	-0.26324E-02		
32	2696.3	2440.2	41.702	41.702	111.35	111.35	-0.11411E-02	-0.26486E-02		
33	2440.2	2184.0	41.702	41.702	111.35	111.35	-0.12814E-02	-0.26668E-02		
34	2184.0	1927.8	41.702	41.702	111.35	111.35	-0.14287E-02	-0.26870E-02		
35	1927.8	1671.7	41.702	41.702	111.35	111.35	-0.15822E-02	-0.27087E-02		
36	1671.7	1415.5	41.702	41.702	111.35	111.35	-0.17411E-02	-0.27320E-02		
37	1415.5	1159.4	41.702	41.702	111.35	111.35	-0.19046E-02	-0.27565E-02		
38	1159.4	903.20	41.702	41.702	111.35	111.35	-0.20720E-02	-0.27821E-02		
39	903.20	647.04	41.702	41.702	111.35	111.35	-0.22425E-02	-0.28084E-02		
40	647.04	390.88	41.702	41.702	111.35	111.35	-0.24153E-02	-0.28355E-02		
41	390.88	134.72	41.702	41.702	111.35	111.35	-0.25897E-02	-0.28629E-02		

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
42	134.72	-121.45	41.702	41.702	111.35	111.35	-0.27648E-02	-0.28906E-02		
43	-121.45	-377.61	41.702	41.702	111.35	111.35	-0.29400E-02	-0.29182E-02		
44	-377.61	-633.77	41.702	41.702	111.35	111.35	-0.31144E-02	-0.29457E-02		
45	-633.77	-889.93	41.702	41.702	111.35	111.35	-0.32874E-02	-0.29727E-02		
46	-889.93	-1146.1	41.702	41.702	111.35	111.35	-0.34580E-02	-0.29992E-02		
47	-1146.1	-1402.3	41.702	41.702	111.35	111.35	-0.36256E-02	-0.30248E-02		
48	-1402.3	-1658.4	41.702	41.702	111.35	111.35	-0.37893E-02	-0.30493E-02		
49	-1658.4	-1914.6	41.702	41.702	111.35	111.35	-0.39484E-02	-0.30726E-02		
50	-458.85	-400.69	-3.0722	-3.0722	-152.33	-152.33	-0.28769E-02	-0.29458E-02		

51	-400.69	-342.52	-3.0722	-3.0722	-152.33	-152.33	-0.25782E-02-0.28654E-02
52	-342.52	-284.35	-3.0722	-3.0722	-152.33	-152.33	-0.22905E-02-0.27850E-02
53	-284.35	-226.19	-3.0722	-3.0722	-152.33	-152.33	-0.20121E-02-0.27047E-02
54	-226.19	-168.02	-3.0722	-3.0722	-152.33	-152.33	-0.17412E-02-0.26243E-02
55	-168.02	-109.85	-3.0722	-3.0722	-152.33	-152.33	-0.14761E-02-0.25440E-02
56	-109.85	-51.685	-3.0722	-3.0722	-152.33	-152.33	-0.12152E-02-0.24636E-02
57	-51.685	6.4822	-3.0722	-3.0722	-152.33	-152.33	-0.95661E-03-0.23832E-02
58	6.4822	64.649	-3.0722	-3.0722	-152.33	-152.33	-0.69871E-03-0.23029E-02
59	64.649	122.82	-3.0722	-3.0722	-152.33	-152.33	-0.43977E-03-0.22225E-02
60	122.82	180.98	-3.0722	-3.0722	-152.33	-152.33	-0.17805E-03-0.21422E-02
61	180.98	239.15	-3.0722	-3.0722	-152.33	-152.33	0.88154E-04-0.20618E-02
62	239.15	297.32	-3.0722	-3.0722	-152.33	-152.33	0.36057E-03-0.19815E-02
63	297.32	355.48	-3.0722	-3.0722	-152.33	-152.33	0.64092E-03-0.19011E-02
64	355.48	413.65	-3.0722	-3.0722	-152.33	-152.33	0.93091E-03-0.18207E-02
65	-1444.3	-1382.0	-6.5702	-6.5702	125.34	125.34	0.70773E-03-0.14295E-02
66	-1382.0	-1319.8	-6.5702	-6.5702	125.34	125.34	0.65614E-03-0.15293E-02
67	-1319.8	-1257.5	-6.5702	-6.5702	125.34	125.34	0.60633E-03-0.16193E-02
68	-1257.5	-1195.3	-6.5702	-6.5702	125.34	125.34	0.55821E-03-0.16999E-02
69	-1195.3	-1133.1	-6.5702	-6.5702	125.34	125.34	0.51170E-03-0.17716E-02
70	-1133.1	-1070.8	-6.5702	-6.5702	125.34	125.34	0.46672E-03-0.18347E-02
71	-1070.8	-1008.6	-6.5702	-6.5702	125.34	125.34	0.42318E-03-0.18899E-02
72	-1008.6	-946.34	-6.5702	-6.5702	125.34	125.34	0.38101E-03-0.19375E-02
73	-946.34	-884.10	-6.5702	-6.5702	125.34	125.34	0.34012E-03-0.19780E-02
74	-884.10	-821.87	-6.5702	-6.5702	125.34	125.34	0.30044E-03-0.20118E-02
75	-821.87	-759.63	-6.5702	-6.5702	125.34	125.34	0.26187E-03-0.20394E-02
76	-759.63	-697.39	-6.5702	-6.5702	125.34	125.34	0.22434E-03-0.20612E-02
77	-697.39	-635.15	-6.5702	-6.5702	125.34	125.34	0.18777E-03-0.20777E-02
78	-635.15	-572.91	-6.5702	-6.5702	125.34	125.34	0.15207E-03-0.20894E-02
79	-572.91	-510.67	-6.5702	-6.5702	125.34	125.34	0.11716E-03-0.20967E-02
80	-510.67	-448.43	-6.5702	-6.5702	125.34	125.34	0.82966E-04-0.21000E-02
81	-448.43	-386.19	-6.5702	-6.5702	125.34	125.34	0.49400E-04-0.20999E-02
82	-386.19	-323.95	-6.5702	-6.5702	125.34	125.34	0.16382E-04-0.20966E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
83	-531.05	-235.71	-15.417	-15.417	-15.417	0.21828E-10	0.21828E-10	0.16756E-03-0.25950E-02		
84	-235.71	59.638	-15.417	-15.417	-15.417	0.20918E-10	0.20918E-10	0.34006E-03-0.25950E-02		
85	59.638	354.98	-15.417	-15.417	-15.417	0.21828E-10	0.21828E-10	0.51522E-03-0.25950E-02		
86	354.98	650.33	-15.417	-15.417	-15.417	0.22737E-10	0.22737E-10	0.68411E-03-0.25950E-02		
87	650.33	945.67	-15.417	-15.417	-15.417	0.23647E-10	0.23647E-10	0.83779E-03-0.25950E-02		
88	945.67	1241.0	-15.417	-15.417	-15.417	0.22737E-10	0.22737E-10	0.96731E-03-0.25950E-02		
89	1241.0	1536.4	-15.417	-15.417	-15.417	0.23647E-10	0.23647E-10	0.10637E-02-0.25950E-02		
90	1536.4	1831.7	-15.417	-15.417	-15.417	0.23647E-10	0.23647E-10	0.11182E-02-0.25950E-02		
91	1831.7	2127.1	-15.417	-15.417	-15.417	0.23647E-10	0.23647E-10	0.11216E-02-0.25950E-02		
92	2127.1	2422.4	-15.417	-15.417	-15.417	0.24556E-10	0.24556E-10	0.10651E-02-0.25950E-02		
93	2422.4	2717.7	-15.417	-15.417	-15.417	0.26375E-10	0.26375E-10	0.93982E-03-0.25950E-02		
94	2717.7	3013.1	-15.417	-15.417	-15.417	0.26375E-10	0.26375E-10	0.73673E-03-0.25950E-02		
95	2842.2	2191.0	93.953	93.953	93.953	119.94	119.94	0.76355E-03-0.14137E-02		
96	2191.0	1539.9	93.953	93.953	93.953	119.94	119.94	0.82618E-03-0.14897E-02		
97	1539.9	888.68	93.953	93.953	93.953	119.94	119.94	0.89472E-03-0.15701E-02		
98	888.68	237.52	93.953	93.953	93.953	119.94	119.94	0.96710E-03-0.16534E-02		
99	237.52	-413.65	93.953	93.953	93.953	119.94	119.94	0.10413E-02-0.17381E-02		
100	-130.49	-140.40	0.88025	0.88025	0.88025	183.41	183.41	0.23954E-02-0.19771E-05		
101	-140.40	-150.31	0.88025	0.88025	0.88025	183.41	183.41	0.22067E-02-0.56942E-05		
102	-150.31	-160.22	0.88025	0.88025	0.88025	183.41	183.41	0.20194E-02-0.89200E-05		
103	-160.22	-170.13	0.88025	0.88025	0.88025	183.41	183.41	0.18336E-02-0.11621E-04		
104	-170.13	-180.04	0.88025	0.88025	0.88025	183.41	183.41	0.16494E-02-0.13764E-04		
105	-180.04	-189.95	0.88025	0.88025	0.88025	183.41	183.41	0.14670E-02-0.15316E-04		
106	-189.95	-199.86	0.88025	0.88025	0.88025	183.41	183.41	0.12865E-02-0.16242E-04		
107	-199.86	-209.77	0.88025	0.88025	0.88025	183.41	183.41	0.11078E-02-0.16510E-04		
108	-209.77	-219.68	0.88025	0.88025	0.88025	183.41	183.41	0.93118E-03-0.16086E-04		
109	-219.68	-229.59	0.88025	0.88025	0.88025	183.41	183.41	0.75668E-03-0.14936E-04		
110	-229.59	-239.50	0.88025	0.88025	0.88025	183.41	183.41	0.58440E-03-0.13028E-04		
111	-239.50	-249.41	0.88025	0.88025	0.88025	183.41	183.41	0.41444E-03-0.10326E-04		
112	-249.41	-259.32	0.88025	0.88025	0.88025	183.41	183.41	0.24690E-03-0.67991E-05		
113	-259.32	-269.23	0.88025	0.88025	0.88025	183.41	183.41	0.81871E-04-0.24124E-05		

114	235.02	206.91	1.5023	1.5023	-137.26	-137.26	-0.50325E-03-0.24992E-02
115	206.91	178.79	1.5023	1.5023	-137.26	-137.26	-0.27784E-03-0.23063E-02
116	178.79	150.67	1.5023	1.5023	-137.26	-137.26	-0.47444E-04-0.21109E-02
117	150.67	122.56	1.5023	1.5023	-137.26	-137.26	0.18720E-03-0.19134E-02
118	122.56	94.440	1.5023	1.5023	-137.26	-137.26	0.42538E-03-0.17141E-02
119	94.440	66.323	1.5023	1.5023	-137.26	-137.26	0.66636E-03-0.15134E-02
120	66.323	38.206	1.5023	1.5023	-137.26	-137.26	0.90941E-03-0.13117E-02
121	38.206	10.090	1.5023	1.5023	-137.26	-137.26	0.11538E-02-0.11093E-02
122	10.090	-18.027	1.5023	1.5023	-137.26	-137.26	0.13988E-02-0.90656E-03
123	-18.027	-46.143	1.5023	1.5023	-137.26	-137.26	0.16438E-02-0.70389E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
124	-46.143	-74.260	1.5023	1.5023	-137.26	-137.26	-137.26	0.18879E-02-0.50164E-03		
125	-74.260	-102.38	1.5023	1.5023	-137.26	-137.26	-137.26	0.21304E-02-0.30017E-03		
126	-102.38	-130.49	1.5023	1.5023	-137.26	-137.26	-137.26	0.23707E-02-0.99835E-04		
127	-2350.7	-2121.0	-36.759	-36.759	147.86	147.86	147.86	-0.41041E-02-0.30915E-02		
128	-2121.0	-1891.4	-36.759	-36.759	147.86	147.86	147.86	-0.42554E-02-0.31058E-02		
129	436.08	309.33	9.8101	9.8101	-176.85	-176.85	-176.85	-0.38922E-02-0.29857E-02		
130	309.33	182.59	9.8101	9.8101	-176.85	-176.85	-176.85	-0.36210E-02-0.27882E-02		
131	182.59	55.843	9.8101	9.8101	-176.85	-176.85	-176.85	-0.33468E-02-0.25893E-02		
132	55.843	-70.902	9.8101	9.8101	-176.85	-176.85	-176.85	-0.30711E-02-0.23896E-02		
133	-70.902	-197.65	9.8101	9.8101	-176.85	-176.85	-176.85	-0.27955E-02-0.21901E-02		
134	-197.65	-324.39	9.8101	9.8101	-176.85	-176.85	-176.85	-0.25216E-02-0.19913E-02		
135	-324.39	-451.14	9.8101	9.8101	-176.85	-176.85	-176.85	-0.22509E-02-0.17940E-02		
136	-451.14	-577.88	9.8101	9.8101	-176.85	-176.85	-176.85	-0.19851E-02-0.15990E-02		
137	-577.88	-704.62	9.8101	9.8101	-176.85	-176.85	-176.85	-0.17257E-02-0.14070E-02		
138	-704.62	-831.37	9.8101	9.8101	-176.85	-176.85	-176.85	-0.14743E-02-0.12188E-02		
139	-831.37	-958.11	9.8101	9.8101	-176.85	-176.85	-176.85	-0.12324E-02-0.10350E-02		
140	-958.11	-1084.9	9.8101	9.8101	-176.85	-176.85	-176.85	-0.10017E-02-0.85649E-03		
141	-1084.9	-1211.6	9.8101	9.8101	-176.85	-176.85	-176.85	-0.78370E-03-0.68394E-03		
142	-1211.6	-1338.3	9.8101	9.8101	-176.85	-176.85	-176.85	-0.58003E-03-0.51810E-03		
143	-1338.3	-1465.1	9.8101	9.8101	-176.85	-176.85	-176.85	-0.39225E-03-0.35972E-03		
144	-1465.1	-1591.8	9.8101	9.8101	-176.85	-176.85	-176.85	-0.22194E-03-0.20954E-03		
145	-1591.8	-1718.6	9.8101	9.8101	-176.85	-176.85	-176.85	-0.70672E-04-0.68296E-04		
146	-833.51	-802.86	-1.6222	-1.6222	87.869	87.869	87.869	-0.20110E-04-0.20814E-02		
147	-802.86	-772.22	-1.6222	-1.6222	87.869	87.869	87.869	-0.56678E-04-0.20444E-02		
148	-772.22	-741.57	-1.6222	-1.6222	87.869	87.869	87.869	-0.86082E-04-0.19853E-02		
149	-741.57	-710.92	-1.6222	-1.6222	87.869	87.869	87.869	-0.10860E-03-0.19050E-02		
150	-710.92	-680.27	-1.6222	-1.6222	87.869	87.869	87.869	-0.12452E-03-0.18044E-02		
151	-680.27	-649.62	-1.6222	-1.6222	87.869	87.869	87.869	-0.13410E-03-0.16843E-02		
152	-649.62	-618.98	-1.6222	-1.6222	87.869	87.869	87.869	-0.13764E-03-0.15456E-02		
153	-618.98	-588.33	-1.6222	-1.6222	87.869	87.869	87.869	-0.13541E-03-0.13892E-02		
154	-588.33	-557.68	-1.6222	-1.6222	87.869	87.869	87.869	-0.12769E-03-0.12158E-02		
155	-557.68	-527.03	-1.6222	-1.6222	87.869	87.869	87.869	-0.11476E-03-0.10264E-02		
156	-527.03	-496.38	-1.6222	-1.6222	87.869	87.869	87.869	-0.96894E-04-0.82181E-03		
157	-496.38	-465.74	-1.6222	-1.6222	87.869	87.869	87.869	-0.74374E-04-0.60290E-03		
158	-465.74	-435.09	-1.6222	-1.6222	87.869	87.869	87.869	-0.47478E-04-0.37052E-03		
159	-435.09	-404.44	-1.6222	-1.6222	87.869	87.869	87.869	-0.16486E-04-0.12554E-03		
160	0.87311E-10	0.43656E-10	0.18705E-11	0.18705E-11	-0.12971E-12	-0.12971E-12	0.32607E-04	0.10033E-03		
161	0.54570E-10	0.72760E-11	0.23030E-11	0.23030E-11	-0.27026E-12	-0.27026E-12	0.97820E-04	0.30100E-03		
162	0.32742E-10	0.72760E-11	-0.29571E-11	-0.29571E-11	0.12001E-11	0.12001E-11	0.16303E-03	0.50167E-03		
163	-0.25466E-10	0.21828E-10	0.78385E-12	0.78385E-12	0.94066E-12	0.94066E-12	0.22825E-03	0.70234E-03		
164	-269.23	-259.32	-0.88025	-0.88025	183.41	183.41	-0.81871E-04	-0.24124E-05		

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
165	-259.32	-249.41	-0.88025	-0.88025	183.41	183.41	183.41	-0.24690E-03-0.67991E-05		
166	-249.41	-239.50	-0.88025	-0.88025	183.41	183.41	183.41	-0.41444E-03-0.10326E-04		
167	-239.50	-229.59	-0.88025	-0.88025	183.41	183.41	183.41	-0.58440E-03-0.13028E-04		
168	-229.59	-219.68	-0.88025	-0.88025	183.41	183.41	183.41	-0.75668E-03-0.14936E-04		
169	-219.68	-209.77	-0.88025	-0.88025	183.41	183.41	183.41	-0.93118E-03-0.16086E-04		
170	-209.77	-199.86	-0.88025	-0.88025	183.41	183.41	183.41	-0.11078E-02-0.16510E-04		
171	-199.86	-189.95	-0.88025	-0.88025	183.41	183.41	183.41	-0.12865E-02-0.16242E-04		

172	-189.95	-180.04	-0.88025	-0.88025	183.41	183.41	-0.14670E-02	-0.15316E-04
173	-180.04	-170.13	-0.88025	-0.88025	183.41	183.41	-0.16494E-02	-0.13764E-04
174	-170.13	-160.22	-0.88025	-0.88025	183.41	183.41	-0.18336E-02	-0.11621E-04
175	-160.22	-150.31	-0.88025	-0.88025	183.41	183.41	-0.20194E-02	-0.89200E-05
176	-150.31	-140.40	-0.88025	-0.88025	183.41	183.41	-0.22067E-02	-0.56942E-05
177	-140.40	-130.49	-0.88025	-0.88025	183.41	183.41	-0.23954E-02	-0.19771E-05
178	1583.4	1408.0	21.322	21.322	170.33	170.33	-0.31079E-04	-0.47600E-04
179	1408.0	1232.6	21.322	21.322	170.33	170.33	-0.90092E-04	-0.14045E-03
180	1232.6	1057.3	21.322	21.322	170.33	170.33	-0.14321E-03	-0.22888E-03
181	1057.3	881.89	21.322	21.322	170.33	170.33	-0.19121E-03	-0.31350E-03
182	881.89	706.52	21.322	21.322	170.33	170.33	-0.23487E-03	-0.39487E-03
183	706.52	531.15	21.322	21.322	170.33	170.33	-0.27499E-03	-0.47358E-03
184	531.15	355.78	21.322	21.322	170.33	170.33	-0.31235E-03	-0.55023E-03
185	355.78	180.41	21.322	21.322	170.33	170.33	-0.34772E-03	-0.62540E-03
186	180.41	5.0354	21.322	21.322	170.33	170.33	-0.38190E-03	-0.69968E-03
187	5.0354	-170.34	21.322	21.322	170.33	170.33	-0.41566E-03	-0.77364E-03
188	-170.34	-345.71	21.322	21.322	170.33	170.33	-0.44979E-03	-0.84788E-03
189	-345.71	-521.08	21.322	21.322	170.33	170.33	-0.48508E-03	-0.92298E-03
190	-521.08	-696.45	21.322	21.322	170.33	170.33	-0.52230E-03	-0.99953E-03
191	-696.45	-871.82	21.322	21.322	170.33	170.33	-0.56223E-03	-0.10781E-02
192	-871.82	-1047.2	21.322	21.322	170.33	170.33	-0.60568E-03	-0.11593E-02
193	-1047.2	-1222.6	21.322	21.322	170.33	170.33	-0.65341E-03	-0.12437E-02
194	-1222.6	-1397.9	21.322	21.322	170.33	170.33	-0.70621E-03	-0.13319E-02
195	0.57480E-08	0.71304E-08	-0.71358E-10	-0.29319E-09	0.75069E-11	0.99097E-10	0.11162E-02	-0.18084E-02
196	-0.44383E-09	-0.43656E-10	-0.14244E-10	-0.14244E-10	0.60293E-10	0.60293E-10	0.11915E-02	-0.18641E-02
197	-2842.2	-2191.0	-93.953	-93.953	119.94	119.94	-0.76355E-03	-0.14137E-02
198	-2191.0	-1539.9	-93.953	-93.953	119.94	119.94	-0.82618E-03	-0.14897E-02
199	-1539.9	-888.68	-93.953	-93.953	119.94	119.94	-0.89472E-03	-0.15701E-02
200	-888.68	-237.52	-93.953	-93.953	119.94	119.94	-0.96710E-03	-0.16534E-02
201	-237.52	413.65	-93.953	-93.953	119.94	119.94	-0.10413E-02	-0.17381E-02
202	-0.62792E-08	-0.69995E-08	0.11549E-09	0.15009E-09	0.28442E-09	0.23761E-09	0.11162E-02	-0.18084E-02
203	-0.94587E-10	0.11205E-08	0.11702E-10	0.11702E-10	0.86499E-11	0.86499E-11	0.11915E-02	-0.18641E-02
204	531.05	235.71	15.417	15.417	0.20009E-10	0.20009E-10	0.16756E-03	-0.25950E-02
205	235.71	-59.638	15.417	15.417	0.20009E-10	0.20009E-10	0.34006E-03	-0.25950E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
206	-59.638	-354.98	15.417	15.417	0.21828E-10	0.21828E-10	0.51522E-03	-0.25950E-02	
207	-354.98	-650.33	15.417	15.417	0.20918E-10	0.20918E-10	0.68411E-03	-0.25950E-02	
208	-650.33	-945.67	15.417	15.417	0.22737E-10	0.22737E-10	0.83779E-03	-0.25950E-02	
209	-945.67	-1241.0	15.417	15.417	0.22737E-10	0.22737E-10	0.96731E-03	-0.25950E-02	
210	-1241.0	-1536.4	15.417	15.417	0.22737E-10	0.22737E-10	0.10637E-02	-0.25950E-02	
211	-1536.4	-1831.7	15.417	15.417	0.22737E-10	0.22737E-10	0.11182E-02	-0.25950E-02	
212	-1831.7	-2127.1	15.417	15.417	0.22737E-10	0.22737E-10	0.11216E-02	-0.25950E-02	
213	-2127.1	-2422.4	15.417	15.417	0.22737E-10	0.22737E-10	0.10651E-02	-0.25950E-02	
214	-2422.4	-2717.7	15.417	15.417	0.25466E-10	0.25466E-10	0.93982E-03	-0.25950E-02	
215	-2717.7	-3013.1	15.417	15.417	0.25466E-10	0.25466E-10	0.73673E-03	-0.25950E-02	
216	-1891.4	-2121.0	36.759	36.759	147.86	147.86	0.42554E-02	-0.31058E-02	
217	-2121.0	-2350.7	36.759	36.759	147.86	147.86	0.41041E-02	-0.30915E-02	
218	1891.4	1652.7	21.361	21.361	-150.86	-150.86	0.42040E-02	-0.31040E-02	
219	1652.7	1413.9	21.361	21.361	-150.86	-150.86	0.39616E-02	-0.30860E-02	
220	1413.9	1175.1	21.361	21.361	-150.86	-150.86	0.37350E-02	-0.30661E-02	
221	1175.1	936.38	21.361	21.361	-150.86	-150.86	0.35215E-02	-0.30447E-02	
222	936.38	697.62	21.361	21.361	-150.86	-150.86	0.33188E-02	-0.30219E-02	
223	697.62	458.85	21.361	21.361	-150.86	-150.86	0.31245E-02	-0.29981E-02	
224	458.85	400.69	3.0722	3.0722	-152.33	-152.33	0.28769E-02	-0.29458E-02	
225	400.69	342.52	3.0722	3.0722	-152.33	-152.33	0.25782E-02	-0.28654E-02	
226	342.52	284.35	3.0722	3.0722	-152.33	-152.33	0.22905E-02	-0.27850E-02	
227	284.35	226.19	3.0722	3.0722	-152.33	-152.33	0.20121E-02	-0.27047E-02	
228	226.19	168.02	3.0722	3.0722	-152.33	-152.33	0.17412E-02	-0.26243E-02	
229	168.02	109.85	3.0722	3.0722	-152.33	-152.33	0.14761E-02	-0.25440E-02	
230	109.85	51.685	3.0722	3.0722	-152.33	-152.33	0.12152E-02	-0.24636E-02	
231	51.685	-6.4822	3.0722	3.0722	-152.33	-152.33	0.95661E-03	-0.23832E-02	
232	-6.4822	-64.649	3.0722	3.0722	-152.33	-152.33	0.69871E-03	-0.23029E-02	
233	-64.649	-122.82	3.0722	3.0722	-152.33	-152.33	0.43977E-03	-0.22225E-02	
234	-122.82	-180.98	3.0722	3.0722	-152.33	-152.33	0.17805E-03	-0.21422E-02	

235	-180.98	-239.15	3.0722	3.0722	-152.33	-152.33	-0.88154E-04-0.20618E-02
236	-239.15	-297.32	3.0722	3.0722	-152.33	-152.33	-0.36057E-03-0.19815E-02
237	-297.32	-355.48	3.0722	3.0722	-152.33	-152.33	-0.64092E-03-0.19011E-02
238	-355.48	-413.65	3.0722	3.0722	-152.33	-152.33	-0.93091E-03-0.18207E-02
239	-323.95	-386.19	6.5702	6.5702	125.34	125.34	-0.16382E-04-0.20966E-02
240	-386.19	-448.43	6.5702	6.5702	125.34	125.34	-0.49400E-04-0.20999E-02
241	-448.43	-510.67	6.5702	6.5702	125.34	125.34	-0.82966E-04-0.21000E-02
242	-510.67	-572.91	6.5702	6.5702	125.34	125.34	-0.11716E-03-0.20967E-02
243	-572.91	-635.15	6.5702	6.5702	125.34	125.34	-0.15207E-03-0.20894E-02
244	-635.15	-697.39	6.5702	6.5702	125.34	125.34	-0.18777E-03-0.20777E-02
245	-697.39	-759.63	6.5702	6.5702	125.34	125.34	-0.22434E-03-0.20612E-02
246	-759.63	-821.87	6.5702	6.5702	125.34	125.34	-0.26187E-03-0.20394E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
247	-821.87	-884.10	6.5702	6.5702	125.34	125.34	125.34	-0.30044E-03-0.20118E-02	
248	-884.10	-946.34	6.5702	6.5702	125.34	125.34	125.34	-0.34012E-03-0.19780E-02	
249	-946.34	-1008.6	6.5702	6.5702	125.34	125.34	125.34	-0.38101E-03-0.19375E-02	
250	-1008.6	-1070.8	6.5702	6.5702	125.34	125.34	125.34	-0.42318E-03-0.18899E-02	
251	-1070.8	-1133.1	6.5702	6.5702	125.34	125.34	125.34	-0.46672E-03-0.18347E-02	
252	-1133.1	-1195.3	6.5702	6.5702	125.34	125.34	125.34	-0.51170E-03-0.17716E-02	
253	-1195.3	-1257.5	6.5702	6.5702	125.34	125.34	125.34	-0.55821E-03-0.16999E-02	
254	-1257.5	-1319.8	6.5702	6.5702	125.34	125.34	125.34	-0.60633E-03-0.16193E-02	
255	-1319.8	-1382.0	6.5702	6.5702	125.34	125.34	125.34	-0.65614E-03-0.15293E-02	
256	-1382.0	-1444.3	6.5702	6.5702	125.34	125.34	125.34	-0.70773E-03-0.14295E-02	
257	942.91	942.91	0.73669E-10	0.73669E-10	-114.04	-114.04	-114.04	0.58389E-03-0.27333E-02	
258	942.91	942.91	0.71395E-10	0.71395E-10	-114.04	-114.04	-114.04	0.52243E-03-0.29955E-02	
259	942.91	942.91	0.77534E-10	0.77534E-10	-114.04	-114.04	-114.04	0.46096E-03-0.32286E-02	
260	942.91	942.91	0.76398E-10	0.76398E-10	-114.04	-114.04	-114.04	0.39950E-03-0.34325E-02	
261	942.91	942.91	0.68667E-10	0.68667E-10	-114.04	-114.04	-114.04	0.33804E-03-0.36073E-02	
262	942.91	942.91	0.37517E-10	0.37517E-10	-114.04	-114.04	-114.04	0.27658E-03-0.37529E-02	
263	942.91	942.91	0.18645E-10	0.18645E-10	-114.04	-114.04	-114.04	0.21512E-03-0.38695E-02	
264	942.91	942.91	0.17053E-10	0.17053E-10	-114.04	-114.04	-114.04	0.15365E-03-0.39568E-02	
265	942.91	942.91	0.44338E-11	0.44338E-11	-114.04	-114.04	-114.04	0.92193E-04-0.40151E-02	
266	942.91	942.91	0.24269E-10	0.24269E-10	-114.04	-114.04	-114.04	0.30731E-04-0.40442E-02	
267	942.91	942.91	0.23022E-10	0.23022E-10	-114.04	-114.04	-114.04	-0.30731E-04-0.40442E-02	
268	942.91	942.91	-0.46612E-11	-0.46612E-11	-114.04	-114.04	-114.04	-0.92193E-04-0.40151E-02	
269	942.91	942.91	-0.61391E-11	-0.61391E-11	-114.04	-114.04	-114.04	-0.15365E-03-0.39568E-02	
270	942.91	942.91	0.38654E-11	0.38654E-11	-114.04	-114.04	-114.04	-0.21512E-03-0.38695E-02	
271	942.91	942.91	-0.22283E-10	-0.22283E-10	-114.04	-114.04	-114.04	-0.27658E-03-0.37529E-02	
272	942.91	942.91	-0.38199E-10	-0.38199E-10	-114.04	-114.04	-114.04	-0.33804E-03-0.36073E-02	
273	942.91	942.91	-0.33424E-10	-0.33424E-10	-114.04	-114.04	-114.04	-0.39950E-03-0.34325E-02	
274	942.91	942.91	-0.28649E-10	-0.28649E-10	-114.04	-114.04	-114.04	-0.46096E-03-0.32286E-02	
275	942.91	942.91	-0.19099E-10	-0.19099E-10	-114.04	-114.04	-114.04	-0.52243E-03-0.29955E-02	
276	942.91	942.91	-0.25011E-10	-0.25011E-10	-114.04	-114.04	-114.04	-0.58389E-03-0.27333E-02	
277	-531.05	-531.05	0.17508E-10	0.17508E-10	-15.417	-15.417	-15.417	0.78938E-04-0.25170E-02	
278	-531.05	-531.05	0.12733E-10	0.12733E-10	-15.417	-15.417	-15.417	0.70629E-04-0.23694E-02	
279	-531.05	-531.05	0.31832E-10	0.31832E-10	-15.417	-15.417	-15.417	0.62320E-04-0.22381E-02	
280	-531.05	-531.05	0.17394E-10	0.17394E-10	-15.417	-15.417	-15.417	0.54010E-04-0.21233E-02	
281	-531.05	-531.05	0.26262E-10	0.26262E-10	-15.417	-15.417	-15.417	0.45701E-04-0.20248E-02	
282	-531.05	-531.05	0.13301E-10	0.13301E-10	-15.417	-15.417	-15.417	0.37392E-04-0.19428E-02	
283	-531.05	-531.05	0.98339E-11	0.98339E-11	-15.417	-15.417	-15.417	0.29083E-04-0.18772E-02	
284	-531.05	-531.05	0.15177E-10	0.15177E-10	-15.417	-15.417	-15.417	0.20773E-04-0.18280E-02	
285	-531.05	-531.05	0.66507E-11	0.66507E-11	-15.417	-15.417	-15.417	0.12464E-04-0.17951E-02	
286	-531.05	-531.05	0.90504E-11	0.90504E-11	-15.417	-15.417	-15.417	0.41547E-05-0.17787E-02	
287	-531.05	-531.05	0.72760E-11	0.72760E-11	-15.417	-15.417	-15.417	-0.41547E-05-0.17787E-02	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
288	-531.05	-531.05	-0.66507E-11	-0.66507E-11	-15.417	-15.417	-15.417	-0.12464E-04-0.17951E-02	
289	-531.05	-531.05	0.13074E-11	0.13074E-11	-15.417	-15.417	-15.417	-0.20773E-04-0.18280E-02	
290	-531.05	-531.05	-0.18190E-11	-0.18190E-11	-15.417	-15.417	-15.417	-0.29083E-04-0.18772E-02	
291	-531.05	-531.05	-0.17508E-10	-0.17508E-10	-15.417	-15.417	-15.417	-0.37392E-04-0.19428E-02	
292	-531.05	-531.05	-0.13983E-10	-0.13983E-10	-15.417	-15.417	-15.417	-0.45701E-04-0.20248E-02	

293	-531.05	-531.05	-0.23647E-10	-0.23647E-10	-15.417	-15.417	-0.54010E-04	-0.21233E-02
294	-531.05	-531.05	-0.21373E-10	-0.21373E-10	-15.417	-15.417	-0.62320E-04	-0.22381E-02
295	-531.05	-531.05	-0.11823E-10	-0.11823E-10	-15.417	-15.417	-0.70629E-04	-0.23694E-02
296	-531.05	-531.05	-0.20918E-10	-0.20918E-10	-15.417	-15.417	-0.78938E-04	-0.25170E-02
297	-1914.6	-1658.4	-41.702	-41.702	111.35	111.35	0.39484E-02	-0.30726E-02
298	-1658.4	-1402.3	-41.702	-41.702	111.35	111.35	0.37893E-02	-0.30493E-02
299	-1402.3	-1146.1	-41.702	-41.702	111.35	111.35	0.36256E-02	-0.30248E-02
300	-1146.1	-889.93	-41.702	-41.702	111.35	111.35	0.34580E-02	-0.29992E-02
301	-889.93	-633.77	-41.702	-41.702	111.35	111.35	0.32874E-02	-0.29727E-02
302	-633.77	-377.61	-41.702	-41.702	111.35	111.35	0.31144E-02	-0.29457E-02
303	-377.61	-121.45	-41.702	-41.702	111.35	111.35	0.29400E-02	-0.29182E-02
304	-121.45	134.72	-41.702	-41.702	111.35	111.35	0.27648E-02	-0.28906E-02
305	134.72	390.88	-41.702	-41.702	111.35	111.35	0.25897E-02	-0.28629E-02
306	390.88	647.04	-41.702	-41.702	111.35	111.35	0.24153E-02	-0.28355E-02
307	647.04	903.20	-41.702	-41.702	111.35	111.35	0.22425E-02	-0.28084E-02
308	903.20	1159.4	-41.702	-41.702	111.35	111.35	0.20720E-02	-0.27821E-02
309	1159.4	1415.5	-41.702	-41.702	111.35	111.35	0.19046E-02	-0.27565E-02
310	1415.5	1671.7	-41.702	-41.702	111.35	111.35	0.17411E-02	-0.27320E-02
311	1671.7	1927.8	-41.702	-41.702	111.35	111.35	0.15822E-02	-0.27087E-02
312	1927.8	2184.0	-41.702	-41.702	111.35	111.35	0.14287E-02	-0.26870E-02
313	2184.0	2440.2	-41.702	-41.702	111.35	111.35	0.12814E-02	-0.26668E-02
314	2440.2	2696.3	-41.702	-41.702	111.35	111.35	0.11411E-02	-0.26486E-02
315	2696.3	2952.5	-41.702	-41.702	111.35	111.35	0.10084E-02	-0.26324E-02
316	2952.5	3208.7	-41.702	-41.702	111.35	111.35	0.88425E-03	-0.26186E-02
317	3208.7	3464.8	-41.702	-41.702	111.35	111.35	0.76934E-03	-0.26072E-02
318	3464.8	3721.0	-41.702	-41.702	111.35	111.35	0.66446E-03	-0.25986E-02
319	-436.08	-309.33	-9.8101	-9.8101	-176.85	-176.85	0.38922E-02	-0.29857E-02
320	-309.33	-182.59	-9.8101	-9.8101	-176.85	-176.85	0.36210E-02	-0.27882E-02
321	-182.59	-55.843	-9.8101	-9.8101	-176.85	-176.85	0.33468E-02	-0.25893E-02
322	-55.843	70.902	-9.8101	-9.8101	-176.85	-176.85	0.30711E-02	-0.23896E-02
323	70.902	197.65	-9.8101	-9.8101	-176.85	-176.85	0.27955E-02	-0.21901E-02
324	197.65	324.39	-9.8101	-9.8101	-176.85	-176.85	0.25216E-02	-0.19913E-02
325	324.39	451.14	-9.8101	-9.8101	-176.85	-176.85	0.22509E-02	-0.17940E-02
326	451.14	577.88	-9.8101	-9.8101	-176.85	-176.85	0.19851E-02	-0.15990E-02
327	577.88	704.62	-9.8101	-9.8101	-176.85	-176.85	0.17257E-02	-0.14070E-02
328	704.62	831.37	-9.8101	-9.8101	-176.85	-176.85	0.14743E-02	-0.12188E-02

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT UZ
329	831.37	958.11	-9.8101	-9.8101	-176.85	-176.85	0.12324E-02	-0.10350E-02	
330	958.11	1084.9	-9.8101	-9.8101	-176.85	-176.85	0.10017E-02	-0.85649E-03	
331	1084.9	1211.6	-9.8101	-9.8101	-176.85	-176.85	0.78370E-03	-0.68394E-03	
332	1211.6	1338.3	-9.8101	-9.8101	-176.85	-176.85	0.58003E-03	-0.51810E-03	
333	1338.3	1465.1	-9.8101	-9.8101	-176.85	-176.85	0.39225E-03	-0.35972E-03	
334	1465.1	1591.8	-9.8101	-9.8101	-176.85	-176.85	0.22194E-03	-0.20954E-03	
335	1591.8	1718.6	-9.8101	-9.8101	-176.85	-176.85	0.70672E-04	-0.68296E-04	
336	-235.02	-206.91	-1.5023	-1.5023	-137.26	-137.26	0.50325E-03	-0.24992E-02	
337	-206.91	-178.79	-1.5023	-1.5023	-137.26	-137.26	0.27784E-03	-0.23063E-02	
338	-178.79	-150.67	-1.5023	-1.5023	-137.26	-137.26	0.47444E-04	-0.21109E-02	
339	-150.67	-122.56	-1.5023	-1.5023	-137.26	-137.26	-0.18720E-03	-0.19134E-02	
340	-122.56	-94.440	-1.5023	-1.5023	-137.26	-137.26	-0.42538E-03	-0.17141E-02	
341	-94.440	-66.323	-1.5023	-1.5023	-137.26	-137.26	-0.66636E-03	-0.15134E-02	
342	-66.323	-38.206	-1.5023	-1.5023	-137.26	-137.26	-0.90941E-03	-0.13117E-02	
343	-38.206	-10.090	-1.5023	-1.5023	-137.26	-137.26	-0.11538E-02	-0.11093E-02	
344	-10.090	18.027	-1.5023	-1.5023	-137.26	-137.26	-0.13988E-02	-0.90656E-03	
345	18.027	46.143	-1.5023	-1.5023	-137.26	-137.26	-0.16438E-02	-0.70389E-03	
346	46.143	74.260	-1.5023	-1.5023	-137.26	-137.26	-0.18879E-02	-0.50164E-03	
347	74.260	102.38	-1.5023	-1.5023	-137.26	-137.26	-0.21304E-02	-0.30017E-03	
348	102.38	130.49	-1.5023	-1.5023	-137.26	-137.26	-0.23707E-02	-0.99835E-04	
349	833.51	802.86	1.6222	1.6222	87.869	87.869	0.20110E-04	-0.20814E-02	
350	802.86	772.22	1.6222	1.6222	87.869	87.869	0.56678E-04	-0.20444E-02	
351	772.22	741.57	1.6222	1.6222	87.869	87.869	0.86082E-04	-0.19853E-02	
352	741.57	710.92	1.6222	1.6222	87.869	87.869	0.10860E-03	-0.19050E-02	
353	710.92	680.27	1.6222	1.6222	87.869	87.869	0.12452E-03	-0.18044E-02	
354	680.27	649.62	1.6222	1.6222	87.869	87.869	0.13410E-03	-0.16843E-02	
355	649.62	618.98	1.6222	1.6222	87.869	87.869	0.13764E-03	-0.15456E-02	

356	618.98	588.33	1.6222	1.6222	87.869	87.869	0.13541E-03-0.13892E-02
357	588.33	557.68	1.6222	1.6222	87.869	87.869	0.12769E-03-0.12158E-02
358	557.68	527.03	1.6222	1.6222	87.869	87.869	0.11476E-03-0.10264E-02
359	527.03	496.38	1.6222	1.6222	87.869	87.869	0.96894E-04-0.82181E-03
360	496.38	465.74	1.6222	1.6222	87.869	87.869	0.74374E-04-0.60290E-03
361	465.74	435.09	1.6222	1.6222	87.869	87.869	0.47478E-04-0.37052E-03
362	435.09	404.44	1.6222	1.6222	87.869	87.869	0.16486E-04-0.12554E-03

MINIMUM VALUES

ELEM	197	215	200	200	136	135	128	266
VALUE	-2842.2	-3013.1	-93.953	-93.953	-176.85	-176.85	-0.42554E-02-0.40442E-02	

MAXIMUM VALUES

ELEM	28	318	96	96	167	167	216	163
VALUE	3721.0	3721.0	93.953	93.953	183.41	183.41	0.42554E-02	0.70234E-03



## 2.3. Resultats del assaig de propulsió fet al prototip modificat

PRINT ELEMENT TABLE ITEMS PER ELEMENT

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
1	-569.69	-522.71	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.10216E-04	-0.75559E-05	
2	-522.71	-475.72	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.28304E-04	-0.20915E-04	
3	-475.72	-428.74	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.41917E-04	-0.30927E-04	
4	-428.74	-381.75	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.51475E-04	-0.37906E-04	
5	-381.75	-334.77	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.57399E-04	-0.42168E-04	
6	-334.77	-287.78	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.60111E-04	-0.44028E-04	
7	-287.78	-240.79	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.60032E-04	-0.43800E-04	
8	-240.79	-193.81	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.57584E-04	-0.41800E-04	
9	-193.81	-146.82	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.53187E-04	-0.38343E-04	
10	-146.82	-99.837	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.47263E-04	-0.33744E-04	
11	-99.837	-52.852	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.40233E-04	-0.28318E-04	
12	-52.852	-5.8660	-0.41650	-0.41650	-4.0325	-4.0325	-4.0325	0.32519E-04	-0.22380E-04	
13	0.95497E-11	0.63665E-11	0.81079E-13	0.81079E-13	0.57135E-12	0.57135E-12	0.57135E-12	0.78801E-05	0.24248E-04	
14	-0.18190E-11	-0.18190E-11	0.0000	0.0000	0.0000	0.0000	0.0000	-0.23640E-04	0.72744E-04	
15	0.11369E-10	-0.90949E-12	0.24332E-13	0.24332E-13	0.24699E-12	0.24699E-12	0.24699E-12	-0.39400E-04	0.12124E-03	
16	-576.11	-390.58	-108.09	-108.09	-11.066	-11.066	-11.066	-0.78258E-03	-0.10161E-02	
17	-390.58	-205.04	-108.09	-108.09	-11.066	-11.066	-11.066	-0.72696E-03	-0.97203E-03	
18	-205.04	-19.496	-108.09	-108.09	-11.066	-11.066	-11.066	-0.67819E-03	-0.92710E-03	
19	-19.496	166.04	-108.09	-108.09	-11.066	-11.066	-11.066	-0.63200E-03	-0.88185E-03	
20	463.44	406.77	70.546	70.546	6.7097	6.7097	6.7097	-0.32115E-03	-0.11716E-02	
21	406.77	350.10	70.546	70.546	6.7097	6.7097	6.7097	-0.34846E-03	-0.11618E-02	
22	350.10	293.43	70.546	70.546	6.7097	6.7097	6.7097	-0.37791E-03	-0.11525E-02	
23	293.43	236.76	70.546	70.546	6.7097	6.7097	6.7097	-0.40920E-03	-0.11438E-02	
24	236.76	180.09	70.546	70.546	6.7097	6.7097	6.7097	-0.44198E-03	-0.11355E-02	
25	180.09	123.41	70.546	70.546	6.7097	6.7097	6.7097	-0.47596E-03	-0.11275E-02	
26	123.41	66.743	70.546	70.546	6.7097	6.7097	6.7097	-0.51079E-03	-0.11197E-02	
27	66.743	10.072	70.546	70.546	6.7097	6.7097	6.7097	-0.54616E-03	-0.11121E-02	
28	166.04	109.05	-108.63	-108.63	2.0070	2.0070	2.0070	-0.57152E-03	-0.81625E-03	
29	109.05	52.047	-108.63	-108.63	2.0070	2.0070	2.0070	-0.49289E-03	-0.73033E-03	
30	52.047	-4.9504	-108.63	-108.63	2.0070	2.0070	2.0070	-0.40890E-03	-0.64440E-03	
31	-4.9504	-61.948	-108.63	-108.63	2.0070	2.0070	2.0070	-0.32334E-03	-0.55848E-03	
32	-61.948	-118.95	-108.63	-108.63	2.0070	2.0070	2.0070	-0.24001E-03	-0.47255E-03	
33	-118.95	-175.94	-108.63	-108.63	2.0070	2.0070	2.0070	-0.16270E-03	-0.38663E-03	
34	-175.94	-232.94	-108.63	-108.63	2.0070	2.0070	2.0070	-0.95192E-04	-0.30070E-03	
35	-232.94	-289.94	-108.63	-108.63	2.0070	2.0070	2.0070	-0.41284E-04	-0.21479E-03	
36	-289.94	-346.94	-108.63	-108.63	2.0070	2.0070	2.0070	-0.47667E-05	-0.12887E-03	
37	-346.94	-403.93	-108.63	-108.63	2.0070	2.0070	2.0070	0.10569E-04	-0.42955E-04	
38	458.85	392.70	2.9073	2.9073	4.6554	4.6554	4.6554	0.28752E-04	-0.14918E-04	
39	392.70	326.55	2.9073	2.9073	4.6554	4.6554	4.6554	0.28591E-04	-0.93284E-05	
40	326.55	260.40	2.9073	2.9073	4.6554	4.6554	4.6554	0.27367E-04	-0.96320E-05	
41	260.40	194.25	2.9073	2.9073	4.6554	4.6554	4.6554	0.25277E-04	-0.14745E-04	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
42	194.25	128.10	2.9073	2.9073	4.6554	4.6554	4.6554	0.22515E-04	-0.23583E-04	
43	128.10	61.950	2.9073	2.9073	4.6554	4.6554	4.6554	0.19278E-04	-0.35062E-04	
44	61.950	-4.1998	2.9073	2.9073	4.6554	4.6554	4.6554	0.15760E-04	-0.48099E-04	
45	-4.1998	-70.350	2.9073	2.9073	4.6554	4.6554	4.6554	0.12156E-04	-0.61609E-04	
46	-70.350	-136.50	2.9073	2.9073	4.6554	4.6554	4.6554	0.86631E-05	-0.74508E-04	
47	-136.50	-202.65	2.9073	2.9073	4.6554	4.6554	4.6554	0.54752E-05	-0.85712E-04	

48	-202.65	-268.80	2.9073	2.9073	4.6554	4.6554	0.27881E-05-0.94137E-04
49	-268.80	-334.95	2.9073	2.9073	4.6554	4.6554	0.79706E-06-0.98699E-04
50	-151.90	-48.704	-0.90949E-12-0.90949E-12	-3.5912	-3.5912	-0.56191E-04-0.11766E-02	
51	-48.704	54.490	-0.90949E-12-0.90949E-12	-3.5912	-3.5912	-0.13152E-03-0.11766E-02	
52	54.490	157.68	-0.90949E-12-0.90949E-12	-3.5912	-3.5912	-0.20665E-03-0.11766E-02	
53	157.68	260.88	-0.11369E-11-0.11369E-11	-3.5912	-3.5912	-0.27456E-03-0.11766E-02	
54	260.88	364.07	-0.11369E-11-0.11369E-11	-3.5912	-3.5912	-0.32822E-03-0.11766E-02	
55	364.07	467.27	-0.15916E-11-0.15916E-11	-3.5912	-3.5912	-0.36060E-03-0.11766E-02	
56	467.27	570.46	-0.15916E-11-0.15916E-11	-3.5912	-3.5912	-0.36468E-03-0.11766E-02	
57	570.46	673.66	-0.20464E-11-0.20464E-11	-3.5912	-3.5912	-0.33342E-03-0.11766E-02	
58	-40.850	115.76	-6.0074	-6.0074	-13.558	-13.558	0.25125E-04-0.15547E-04
59	115.76	272.37	-6.0074	-6.0074	-13.558	-13.558	0.18798E-04-0.83786E-05
60	272.37	428.97	-6.0074	-6.0074	-13.558	-13.558	0.14179E-04-0.24929E-05
61	-462.28	-435.31	80.670	80.670	-2.0535	-2.0535	0.54688E-04-0.31076E-03
62	-435.31	-408.34	80.670	80.670	-2.0535	-2.0535	0.51126E-04-0.28080E-03
63	-408.34	-381.37	80.670	80.670	-2.0535	-2.0535	0.53244E-04-0.24890E-03
64	368.16	258.43	-88.171	-88.171	4.0591	4.0591	-0.28800E-03-0.11294E-02
65	258.43	148.70	-88.171	-88.171	4.0591	4.0591	-0.24089E-03-0.10316E-02
66	148.70	38.967	-88.171	-88.171	4.0591	4.0591	-0.18280E-03-0.92830E-03
67	38.967	-70.764	-88.171	-88.171	4.0591	4.0591	-0.11966E-03-0.82245E-03
68	-70.764	-180.50	-88.171	-88.171	4.0591	4.0591	-0.57373E-04-0.71702E-03
69	-180.50	-290.23	-88.171	-88.171	4.0591	4.0591	-0.18577E-05-0.61499E-03
70	-290.23	-399.96	-88.171	-88.171	4.0591	4.0591	0.40974E-04-0.51931E-03
71	-399.96	-509.69	-88.171	-88.171	4.0591	4.0591	0.65210E-04-0.43294E-03
72	-509.69	-619.42	-88.171	-88.171	4.0591	4.0591	0.64937E-04-0.35885E-03
73	-117.97	-117.97	-0.28711E-13-0.28711E-13	0.65370E-12	0.65370E-12	0.11830E-19-0.34082E-04	
74	-117.97	-117.97	-0.80091E-13-0.80091E-13	0.45475E-12	0.45475E-12	0.70981E-19-0.97985E-04	
75	-117.97	-117.97	0.90798E-13	0.90798E-13	0.62528E-12	0.62528E-12	0.68615E-19-0.15337E-03
76	-117.97	-117.97	-0.17227E-13-0.17227E-13	0.79581E-12	0.79581E-12	0.26026E-19-0.20023E-03	
77	-117.97	-117.97	-0.49048E-13-0.49048E-13	0.10090E-11	0.10090E-11	0.61517E-19-0.23857E-03	
78	-117.97	-117.97	0.48270E-13	0.48270E-13	0.77449E-12	0.77449E-12	0.63883E-19-0.26839E-03
79	-117.97	-117.97	-0.24524E-13-0.24524E-13	0.71054E-12	0.71054E-12	0.52053E-19-0.28969E-03	
80	-117.97	-117.97	0.23746E-13	0.23746E-13	0.85443E-12	0.85443E-12	0.54419E-19-0.30248E-03
81	-117.97	-117.97	0.57423E-14	0.57423E-14	0.66258E-12	0.66258E-12	0.40222E-19-0.30674E-03
82	-117.97	-117.97	0.57423E-14	0.57423E-14	0.91660E-12	0.91660E-12	0.35490E-19-0.30248E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY
83	-117.97	-117.97	0.57423E-14	0.57423E-14	0.20606E-12	0.20606E-12	0.30758E-19-0.28969E-03	
84	-117.97	-117.97	0.57423E-14	0.57423E-14	0.11653E-11	0.11653E-11	0.26026E-19-0.26839E-03	
85	-117.97	-117.97	0.57423E-14	0.57423E-14	0.73896E-12	0.73896E-12	0.21294E-19-0.23857E-03	
86	-117.97	-117.97	0.57423E-14	0.57423E-14	0.79581E-12	0.79581E-12	0.16562E-19-0.20023E-03	
87	-117.97	-117.97	0.57423E-14	0.57423E-14	0.73896E-12	0.73896E-12	0.11830E-19-0.15337E-03	
88	-117.97	-117.97	0.57423E-14	0.57423E-14	0.10800E-11	0.10800E-11	0.70981E-20-0.97985E-04	
89	-117.97	-117.97	0.57423E-14	0.57423E-14	0.96634E-12	0.96634E-12	0.23660E-20-0.34082E-04	
90	-954.24	-765.18	104.35	104.35	-30.267	-30.267	-0.77026E-03-0.10547E-02	
91	-765.18	-576.11	104.35	104.35	-30.267	-30.267	-0.79891E-03-0.10436E-02	
92	2741.9	1412.4	-77.464	-77.464	72.634	72.634	-0.71297E-03-0.10183E-02	
93	1412.4	82.992	-77.464	-77.464	72.634	72.634	-0.61056E-03-0.92669E-03	
94	82.992	-1246.4	-77.464	-77.464	72.634	72.634	-0.48945E-03-0.82625E-03	
95	125.60	72.754	4.1905	4.1905	1.7981	1.7981	-0.22249E-05-0.10118E-03	
96	72.754	19.912	4.1905	4.1905	1.7981	1.7981	-0.74752E-05-0.10624E-03	
97	19.912	-32.929	4.1905	4.1905	1.7981	1.7981	-0.13745E-04-0.11444E-03	
98	-32.929	-85.771	4.1905	4.1905	1.7981	1.7981	-0.19872E-04-0.12220E-03	
99	-85.771	-138.61	4.1905	4.1905	1.7981	1.7981	-0.24693E-04-0.12594E-03	
100	-138.61	-191.45	4.1905	4.1905	1.7981	1.7981	-0.27044E-04-0.12208E-03	
101	-191.45	-244.30	4.1905	4.1905	1.7981	1.7981	-0.25763E-04-0.10704E-03	
102	-244.30	-297.14	4.1905	4.1905	1.7981	1.7981	-0.19687E-04-0.77239E-04	
103	-297.14	-349.98	4.1905	4.1905	1.7981	1.7981	-0.76523E-05-0.29101E-04	
104	-0.90949E-11-0.72760E-11	0.55404E-13	0.55404E-13	-0.40038E-12	0.40038E-12	0.78801E-05	0.24248E-04	
105	0.63665E-11-0.36380E-11	0.14865E-12	0.14865E-12	0.54939E-12	0.54939E-12	0.23640E-04	0.72744E-04	
106	-0.68212E-11	0.27285E-11-0.89197E-13	0.89197E-13	0.90552E-13	0.90552E-13	0.39400E-04	0.12124E-03	
107	839.95	740.32	72.302	72.302	7.5858	7.5858	-0.16767E-04-0.82443E-05	
108	740.32	640.68	72.302	72.302	7.5858	7.5858	-0.45318E-04-0.26435E-04	
109	640.68	541.05	72.302	72.302	7.5858	7.5858	-0.64573E-04-0.47802E-04	
110	569.69	522.71	-0.41650	-0.41650	4.0325	4.0325	-0.10216E-04-0.75559E-05	

111	522.71	475.72	-0.41650	-0.41650	4.0325	4.0325	-0.28304E-04-0.20915E-04
112	475.72	428.74	-0.41650	-0.41650	4.0325	4.0325	-0.41917E-04-0.30927E-04
113	428.74	381.75	-0.41650	-0.41650	4.0325	4.0325	-0.51475E-04-0.37906E-04
114	381.75	334.77	-0.41650	-0.41650	4.0325	4.0325	-0.57399E-04-0.42168E-04
115	334.77	287.78	-0.41650	-0.41650	4.0325	4.0325	-0.60111E-04-0.44028E-04
116	287.78	240.79	-0.41650	-0.41650	4.0325	4.0325	-0.60032E-04-0.43800E-04
117	240.79	193.81	-0.41650	-0.41650	4.0325	4.0325	-0.57584E-04-0.41800E-04
118	193.81	146.82	-0.41650	-0.41650	4.0325	4.0325	-0.53187E-04-0.38343E-04
119	146.82	99.837	-0.41650	-0.41650	4.0325	4.0325	-0.47263E-04-0.33744E-04
120	99.837	52.852	-0.41650	-0.41650	4.0325	4.0325	-0.40233E-04-0.28318E-04
121	52.852	5.8660	-0.41650	-0.41650	4.0325	4.0325	-0.32519E-04-0.22380E-04
122	2.1908	23.846	1.3593	1.3593	-1.8389	-1.8389	0.10858E-04 0.91270E-06
123	40.850	-115.76	-6.0074	-6.0074	13.558	13.558	-0.25125E-04-0.15547E-04

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY
124	-115.76	-272.37	-6.0074	-6.0074	13.558	13.558	-0.18798E-04-0.83786E-05	
125	-272.37	-428.97	-6.0074	-6.0074	13.558	13.558	-0.14179E-04-0.24929E-05	
126	-2.1908	-23.846	1.3593	1.3593	1.8389	1.8389	-0.10858E-04 0.91270E-06	
127	151.90	48.704	0.11369E-11	0.11369E-11	3.5912	3.5912	0.56191E-04-0.11766E-02	
128	48.704	-54.490	0.68212E-12	0.68212E-12	3.5912	3.5912	0.13152E-03-0.11766E-02	
129	-54.490	-157.68	0.90949E-12	0.90949E-12	3.5912	3.5912	0.20665E-03-0.11766E-02	
130	-157.68	-260.88	0.45475E-12	0.45475E-12	3.5912	3.5912	0.27456E-03-0.11766E-02	
131	-260.88	-364.07	0.68212E-12	0.68212E-12	3.5912	3.5912	0.32822E-03-0.11766E-02	
132	-364.07	-467.27	0.0000	0.0000	3.5912	3.5912	0.36060E-03-0.11766E-02	
133	-467.27	-570.46	0.0000	0.0000	3.5912	3.5912	0.36468E-03-0.11766E-02	
134	-570.46	-673.66	-0.22737E-12	-0.22737E-12	3.5912	3.5912	0.33342E-03-0.11766E-02	
135	-576.11	-765.18	104.35	104.35	30.267	30.267	0.79891E-03-0.10436E-02	
136	-765.18	-954.24	104.35	104.35	30.267	30.267	0.77026E-03-0.10547E-02	
137	576.11	390.58	-108.09	-108.09	11.066	11.066	0.78258E-03-0.10161E-02	
138	390.58	205.04	-108.09	-108.09	11.066	11.066	0.72696E-03-0.97203E-03	
139	205.04	19.496	-108.09	-108.09	11.066	11.066	0.67819E-03-0.92710E-03	
140	19.496	-166.04	-108.09	-108.09	11.066	11.066	0.63200E-03-0.88185E-03	
141	-166.04	-109.05	-108.63	-108.63	-2.0070	-2.0070	0.57152E-03-0.81625E-03	
142	-109.05	-52.047	-108.63	-108.63	-2.0070	-2.0070	0.49289E-03-0.73033E-03	
143	-52.047	4.9504	-108.63	-108.63	-2.0070	-2.0070	0.40890E-03-0.64440E-03	
144	4.9504	61.948	-108.63	-108.63	-2.0070	-2.0070	0.32334E-03-0.55848E-03	
145	61.948	118.95	-108.63	-108.63	-2.0070	-2.0070	0.24001E-03-0.47255E-03	
146	118.95	175.94	-108.63	-108.63	-2.0070	-2.0070	0.16270E-03-0.38663E-03	
147	175.94	232.94	-108.63	-108.63	-2.0070	-2.0070	0.95192E-04-0.30070E-03	
148	232.94	289.94	-108.63	-108.63	-2.0070	-2.0070	0.41284E-04-0.21479E-03	
149	289.94	346.94	-108.63	-108.63	-2.0070	-2.0070	0.47667E-05-0.12887E-03	
150	346.94	403.93	-108.63	-108.63	-2.0070	-2.0070	-0.10569E-04-0.42955E-04	
151	-334.95	-268.80	2.9073	2.9073	-4.6554	-4.6554	-0.79706E-06-0.98699E-04	
152	-268.80	-202.65	2.9073	2.9073	-4.6554	-4.6554	-0.27881E-05-0.94137E-04	
153	-202.65	-136.50	2.9073	2.9073	-4.6554	-4.6554	-0.54752E-05-0.85712E-04	
154	-136.50	-70.350	2.9073	2.9073	-4.6554	-4.6554	-0.86631E-05-0.74508E-04	
155	-70.350	-4.1998	2.9073	2.9073	-4.6554	-4.6554	-0.12156E-04-0.61609E-04	
156	-4.1998	61.950	2.9073	2.9073	-4.6554	-4.6554	-0.15760E-04-0.48099E-04	
157	61.950	128.10	2.9073	2.9073	-4.6554	-4.6554	-0.19278E-04-0.35062E-04	
158	128.10	194.25	2.9073	2.9073	-4.6554	-4.6554	-0.22515E-04-0.23583E-04	
159	194.25	260.40	2.9073	2.9073	-4.6554	-4.6554	-0.25277E-04-0.14745E-04	
160	260.40	326.55	2.9073	2.9073	-4.6554	-4.6554	-0.27367E-04-0.96320E-05	
161	326.55	392.70	2.9073	2.9073	-4.6554	-4.6554	-0.28591E-04-0.93284E-05	
162	392.70	458.85	2.9073	2.9073	-4.6554	-4.6554	-0.28752E-04-0.14918E-04	
163	157.95	157.95	-57.162	-57.162	0.46612E-11	0.46612E-11	0.28438E-03-0.12113E-02	
164	157.95	157.95	-57.162	-57.162	0.34390E-11	0.34390E-11	0.23698E-03-0.12748E-02	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY
165	157.95	157.95	-57.162	-57.162	0.43485E-11	0.43485E-11	0.18959E-03-0.13268E-02	
166	157.95	157.95	-57.162	-57.162	0.37517E-11	0.37517E-11	0.14219E-03-0.13672E-02	
167	157.95	157.95	-57.162	-57.162	0.25011E-11	0.25011E-11	0.94793E-04-0.13961E-02	
168	157.95	157.95	-57.162	-57.162	0.42881E-11	0.42881E-11	0.47397E-04-0.14134E-02	

169	157.95	157.95	-57.162	-57.162	0.75673E-12	0.75673E-12	0.32243E-15	-0.14192E-02
170	157.95	157.95	-57.162	-57.162	0.21956E-11	0.21956E-11	-0.47397E-04	-0.14134E-02
171	157.95	157.95	-57.162	-57.162	0.12079E-11	0.12079E-11	-0.94793E-04	-0.13961E-02
172	157.95	157.95	-57.162	-57.162	0.56843E-13	0.56843E-13	-0.14219E-03	-0.13672E-02
173	157.95	157.95	-57.162	-57.162	-0.62528E-12	-0.62528E-12	-0.18959E-03	-0.13268E-02
174	157.95	157.95	-57.162	-57.162	0.19895E-12	0.19895E-12	-0.23698E-03	-0.12748E-02
175	157.95	157.95	-57.162	-57.162	0.0000	0.0000	-0.28438E-03	-0.12113E-02
176	-151.90	-151.90	-3.5912	-3.5912	0.19043E-11	0.19043E-11	0.17866E-04	-0.11433E-02
177	-151.90	-151.90	-3.5912	-3.5912	0.17053E-12	0.17053E-12	0.14889E-04	-0.10822E-02
178	-151.90	-151.90	-3.5912	-3.5912	0.10732E-11	0.10732E-11	0.11911E-04	-0.10322E-02
179	-151.90	-151.90	-3.5912	-3.5912	-0.41947E-12	-0.41947E-12	0.89332E-05	-0.99335E-03
180	-151.90	-151.90	-3.5912	-3.5912	-0.63949E-13	-0.63949E-13	0.59555E-05	-0.96558E-03
181	-151.90	-151.90	-3.5912	-3.5912	-0.11902E-12	-0.11902E-12	0.29777E-05	-0.94892E-03
182	-151.90	-151.90	-3.5912	-3.5912	-0.89528E-12	-0.89528E-12	0.42139E-15	-0.94336E-03
183	-151.90	-151.90	-3.5912	-3.5912	-0.38369E-12	-0.38369E-12	0.29777E-05	-0.94892E-03
184	-151.90	-151.90	-3.5912	-3.5912	-0.18474E-12	-0.18474E-12	0.59555E-05	-0.96558E-03
185	-151.90	-151.90	-3.5912	-3.5912	0.11084E-11	0.11084E-11	-0.89332E-05	-0.99335E-03
186	-151.90	-151.90	-3.5912	-3.5912	0.19043E-11	0.19043E-11	-0.11911E-04	-0.10322E-02
187	-151.90	-151.90	-3.5912	-3.5912	0.82423E-12	0.82423E-12	-0.14889E-04	-0.10822E-02
188	-151.90	-151.90	-3.5912	-3.5912	0.54001E-12	0.54001E-12	-0.17866E-04	-0.11433E-02
189	1787.6	1365.4	51.344	51.344	49.984	49.984	0.73821E-03	-0.10617E-02
190	1365.4	943.27	51.344	51.344	49.984	49.984	0.70780E-03	-0.10659E-02
191	943.27	521.09	51.344	51.344	49.984	49.984	0.68395E-03	-0.10720E-02
192	521.09	98.916	51.344	51.344	49.984	49.984	0.66426E-03	-0.10792E-02
193	98.916	-323.26	51.344	51.344	49.984	49.984	0.64633E-03	-0.10868E-02
194	-323.26	-745.43	51.344	51.344	49.984	49.984	0.62776E-03	-0.10943E-02
195	-745.43	-1167.6	51.344	51.344	49.984	49.984	0.60615E-03	-0.11010E-02
196	-1167.6	-1589.8	51.344	51.344	49.984	49.984	0.57912E-03	-0.11062E-02
197	-2741.9	-1412.4	-77.464	-77.464	-72.634	-72.634	0.71297E-03	-0.10183E-02
198	-1412.4	-82.992	-77.464	-77.464	-72.634	-72.634	0.61056E-03	-0.92669E-03
199	-82.992	1246.4	-77.464	-77.464	-72.634	-72.634	0.48945E-03	-0.82625E-03
200	-368.16	-258.43	-88.171	-88.171	-4.0591	-4.0591	0.28800E-03	-0.11294E-02
201	-258.43	-148.70	-88.171	-88.171	-4.0591	-4.0591	0.24089E-03	-0.10316E-02
202	-148.70	-38.967	-88.171	-88.171	-4.0591	-4.0591	0.18280E-03	-0.92830E-03
203	-38.967	70.764	-88.171	-88.171	-4.0591	-4.0591	0.11966E-03	-0.82245E-03
204	70.764	180.50	-88.171	-88.171	-4.0591	-4.0591	0.57373E-04	-0.71702E-03
205	180.50	290.23	-88.171	-88.171	-4.0591	-4.0591	0.18577E-05	-0.61499E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
206	290.23	399.96	-88.171	-88.171	-4.0591	-4.0591	-0.40974E-04	-0.51931E-03	
207	399.96	509.69	-88.171	-88.171	-4.0591	-4.0591	-0.65210E-04	-0.43294E-03	
208	509.69	619.42	-88.171	-88.171	-4.0591	-4.0591	-0.64937E-04	-0.35885E-03	
209	-125.60	-72.754	4.1905	4.1905	-1.7981	-1.7981	0.22249E-05	-0.10118E-03	
210	-72.754	-19.912	4.1905	4.1905	-1.7981	-1.7981	0.74752E-05	-0.10624E-03	
211	-19.912	32.929	4.1905	4.1905	-1.7981	-1.7981	0.13745E-04	-0.11444E-03	
212	32.929	85.771	4.1905	4.1905	-1.7981	-1.7981	0.19872E-04	-0.12220E-03	
213	85.771	138.61	4.1905	4.1905	-1.7981	-1.7981	0.24693E-04	-0.12594E-03	
214	138.61	191.45	4.1905	4.1905	-1.7981	-1.7981	0.27044E-04	-0.12208E-03	
215	191.45	244.30	4.1905	4.1905	-1.7981	-1.7981	0.25763E-04	-0.10704E-03	
216	244.30	297.14	4.1905	4.1905	-1.7981	-1.7981	0.19687E-04	-0.77239E-04	
217	297.14	349.98	4.1905	4.1905	-1.7981	-1.7981	0.76523E-05	-0.29101E-04	
218	-23.846	-25.192	2.2862	2.2862	0.48293E-01	0.48293E-01	-0.82805E-05	0.56520E-05	
219	-25.192	-26.240	2.2864	2.2864	0.37485E-01	0.37485E-01	-0.63723E-05	0.12512E-04	
220	-26.240	-26.990	2.2866	2.2866	0.26735E-01	0.26735E-01	-0.45145E-05	0.17744E-04	
221	-26.990	-27.439	2.2867	2.2867	0.16025E-01	0.16025E-01	-0.26936E-05	0.21274E-04	
222	-27.439	-27.589	2.2867	2.2867	0.53388E-02	0.53388E-02	-0.89533E-06	0.23051E-04	
223	-27.589	-27.439	2.2867	2.2867	-0.53388E-02	-0.53388E-02	0.89533E-06	0.23051E-04	
224	-27.439	-26.990	2.2867	2.2867	-0.16025E-01	-0.16025E-01	0.26936E-05	0.21274E-04	
225	-26.990	-26.240	2.2866	2.2866	-0.26735E-01	-0.26735E-01	0.45145E-05	0.17744E-04	
226	-26.240	-25.192	2.2864	2.2864	-0.37485E-01	-0.37485E-01	0.63723E-05	0.12512E-04	
227	-25.192	-23.846	2.2862	2.2862	-0.48293E-01	-0.48293E-01	0.82805E-05	0.56520E-05	
228	-157.14	-132.96	12.233	12.233	-1.0139	-1.0139	0.54349E-04	-0.32266E-03	
229	-132.96	-108.79	12.233	12.233	-1.0139	-1.0139	0.47859E-04	-0.31445E-03	
230	-108.79	-84.620	12.233	12.233	-1.0139	-1.0139	0.42600E-04	-0.30071E-03	
231	-84.620	-60.448	12.233	12.233	-1.0139	-1.0139	0.38328E-04	-0.28255E-03	

232	-60.448	-36.276	12.233	12.233	-1.0139	-1.0139	0.34795E-04-0.26107E-03
233	-36.276	-12.104	12.233	12.233	-1.0139	-1.0139	0.31756E-04-0.23738E-03
234	-12.104	12.068	12.233	12.233	-1.0139	-1.0139	0.28963E-04-0.21258E-03
235	12.068	36.240	12.233	12.233	-1.0139	-1.0139	0.26170E-04-0.18778E-03
236	36.240	60.412	12.233	12.233	-1.0139	-1.0139	0.23131E-04-0.16408E-03
237	60.412	84.584	12.233	12.233	-1.0139	-1.0139	0.19600E-04-0.14260E-03
238	84.584	108.76	12.233	12.233	-1.0139	-1.0139	0.15329E-04-0.12443E-03
239	108.76	132.93	12.233	12.233	-1.0139	-1.0139	0.10072E-04-0.11068E-03
240	132.93	157.10	12.233	12.233	-1.0139	-1.0139	0.35833E-05-0.10247E-03
241	157.10	132.93	12.233	12.233	1.0139	1.0139	-0.35833E-05-0.10247E-03
242	132.93	108.76	12.233	12.233	1.0139	1.0139	-0.10072E-04-0.11068E-03
243	108.76	84.584	12.233	12.233	1.0139	1.0139	-0.15329E-04-0.12443E-03
244	84.584	60.412	12.233	12.233	1.0139	1.0139	-0.19600E-04-0.14260E-03
245	60.412	36.240	12.233	12.233	1.0139	1.0139	-0.23131E-04-0.16408E-03
246	36.240	12.068	12.233	12.233	1.0139	1.0139	-0.26170E-04-0.18778E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
247	12.068	-12.104	12.233	12.233	1.0139	1.0139	-0.28963E-04-0.21258E-03		
248	-12.104	-36.276	12.233	12.233	1.0139	1.0139	-0.31756E-04-0.23738E-03		
249	-36.276	-60.448	12.233	12.233	1.0139	1.0139	-0.34795E-04-0.26107E-03		
250	-60.448	-84.620	12.233	12.233	1.0139	1.0139	-0.38328E-04-0.28255E-03		
251	-84.620	-108.79	12.233	12.233	1.0139	1.0139	-0.42600E-04-0.30071E-03		
252	-108.79	-132.96	12.233	12.233	1.0139	1.0139	-0.47859E-04-0.31445E-03		
253	-132.96	-157.14	12.233	12.233	1.0139	1.0139	-0.54349E-04-0.32266E-03		
254	-22.848	-24.623	2.9582	2.9582	0.60659E-01	0.60659E-01	-0.11177E-04 0.41907E-05		
255	-24.623	-26.005	2.9585	2.9585	0.47073E-01	0.47073E-01	-0.86238E-05 0.11721E-04		
256	-26.005	-26.992	2.9586	2.9586	0.33567E-01	0.33567E-01	-0.61216E-05 0.17491E-04		
257	-26.992	-27.585	2.9588	2.9588	0.20118E-01	0.20118E-01	-0.36574E-05 0.21395E-04		
258	-27.585	-27.783	2.9588	2.9588	0.67021E-02	0.67021E-02	-0.12165E-05 0.23365E-04		
259	-27.783	-27.585	2.9588	2.9588	-0.67021E-02	-0.67021E-02	0.12165E-05 0.23365E-04		
260	-27.585	-26.992	2.9588	2.9588	-0.20118E-01	-0.20118E-01	0.36574E-05 0.21395E-04		
261	-26.992	-26.005	2.9586	2.9586	-0.33567E-01	-0.33567E-01	0.61216E-05 0.17491E-04		
262	-26.005	-24.623	2.9585	2.9585	-0.47073E-01	-0.47073E-01	0.86238E-05 0.11721E-04		
263	-24.623	-22.848	2.9582	2.9582	-0.60659E-01	-0.60659E-01	0.11177E-04 0.41907E-05		
264	-56.765	42.870	72.302	72.302	-7.5858	-7.5858	0.59998E-04-0.21703E-03		
265	42.870	142.51	72.302	72.302	-7.5858	-7.5858	0.68352E-04-0.18623E-03		
266	142.51	242.14	72.302	72.302	-7.5858	-7.5858	0.75458E-04-0.15586E-03		
267	242.14	341.78	72.302	72.302	-7.5858	-7.5858	0.79974E-04-0.12637E-03		
268	341.78	441.41	72.302	72.302	-7.5858	-7.5858	0.80560E-04-0.98229E-04		
269	441.41	541.05	72.302	72.302	-7.5858	-7.5858	0.75873E-04-0.71886E-04		
270	541.05	640.68	72.302	72.302	-7.5858	-7.5858	0.64573E-04-0.47802E-04		
271	640.68	740.32	72.302	72.302	-7.5858	-7.5858	0.45318E-04-0.26435E-04		
272	740.32	839.95	72.302	72.302	-7.5858	-7.5858	0.16767E-04-0.82443E-05		
273	541.05	441.41	72.302	72.302	7.5858	7.5858	-0.75873E-04-0.71886E-04		
274	441.41	341.78	72.302	72.302	7.5858	7.5858	-0.80560E-04-0.98229E-04		
275	341.78	242.14	72.302	72.302	7.5858	7.5858	-0.79974E-04-0.12637E-03		
276	242.14	142.51	72.302	72.302	7.5858	7.5858	-0.75458E-04-0.15586E-03		
277	142.51	42.870	72.302	72.302	7.5858	7.5858	-0.68352E-04-0.18623E-03		
278	42.870	-56.765	72.302	72.302	7.5858	7.5858	-0.59998E-04-0.21703E-03		
279	-381.37	-408.34	80.670	80.670	2.0535	2.0535	-0.53244E-04-0.24890E-03		
280	-408.34	-435.31	80.670	80.670	2.0535	2.0535	-0.51126E-04-0.28080E-03		
281	-435.31	-462.28	80.670	80.670	2.0535	2.0535	-0.54688E-04-0.31076E-03		
282	-324.61	-277.83	7.9350	7.9350	-6.1374	-6.1374	0.54830E-04-0.22689E-03		
283	-277.83	-231.05	7.9350	7.9350	-6.1374	-6.1374	0.53136E-04-0.21504E-03		
284	-231.05	-184.27	7.9350	7.9350	-6.1374	-6.1374	0.51440E-04-0.20197E-03		
285	-184.27	-137.49	7.9350	7.9350	-6.1374	-6.1374	0.49744E-04-0.18791E-03		
286	-137.49	-90.709	7.9350	7.9350	-6.1374	-6.1374	0.48046E-04-0.17307E-03		
287	-90.709	-43.929	7.9350	7.9350	-6.1374	-6.1374	0.46349E-04-0.15769E-03		

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
288	-43.929	2.8503	7.9350	7.9350	-6.1374	-6.1374	0.44651E-04-0.14199E-03		
289	2.8503	49.630	7.9350	7.9350	-6.1374	-6.1374	0.42953E-04-0.12619E-03		

290	49.630	96.409	7.9350	7.9350	-6.1374	-6.1374	0.41255E-04-0.11051E-03
291	96.409	143.19	7.9350	7.9350	-6.1374	-6.1374	0.39557E-04-0.95186E-04
292	143.19	189.97	7.9350	7.9350	-6.1374	-6.1374	0.37860E-04-0.80435E-04
293	189.97	236.75	7.9350	7.9350	-6.1374	-6.1374	0.36163E-04-0.66481E-04
294	236.75	283.53	7.9350	7.9350	-6.1374	-6.1374	0.34468E-04-0.53550E-04
295	283.53	330.31	7.9350	7.9350	-6.1374	-6.1374	0.32773E-04-0.41865E-04
296	330.31	377.09	7.9350	7.9350	-6.1374	-6.1374	0.31080E-04-0.31650E-04
297	377.09	423.87	7.9350	7.9350	-6.1374	-6.1374	0.29389E-04-0.23130E-04
298	324.61	277.83	7.9350	7.9350	6.1374	6.1374	-0.54830E-04-0.22689E-03
299	277.83	231.05	7.9350	7.9350	6.1374	6.1374	-0.53136E-04-0.21504E-03
300	231.05	184.27	7.9350	7.9350	6.1374	6.1374	-0.51440E-04-0.20197E-03
301	184.27	137.49	7.9350	7.9350	6.1374	6.1374	-0.49744E-04-0.18791E-03
302	137.49	90.709	7.9350	7.9350	6.1374	6.1374	-0.48046E-04-0.17307E-03
303	90.709	43.929	7.9350	7.9350	6.1374	6.1374	-0.46349E-04-0.15769E-03
304	43.929	-2.8503	7.9350	7.9350	6.1374	6.1374	-0.44651E-04-0.14199E-03
305	-2.8503	-49.630	7.9350	7.9350	6.1374	6.1374	-0.42953E-04-0.12619E-03
306	-49.630	-96.409	7.9350	7.9350	6.1374	6.1374	-0.41255E-04-0.11051E-03
307	-96.409	-143.19	7.9350	7.9350	6.1374	6.1374	-0.39557E-04-0.95186E-04
308	-143.19	-189.97	7.9350	7.9350	6.1374	6.1374	-0.37860E-04-0.80435E-04
309	-189.97	-236.75	7.9350	7.9350	6.1374	6.1374	-0.36163E-04-0.66481E-04
310	-236.75	-283.53	7.9350	7.9350	6.1374	6.1374	-0.34468E-04-0.53550E-04
311	-283.53	-330.31	7.9350	7.9350	6.1374	6.1374	-0.32773E-04-0.41865E-04
312	-330.31	-377.09	7.9350	7.9350	6.1374	6.1374	-0.31080E-04-0.31650E-04
313	-377.09	-423.87	7.9350	7.9350	6.1374	6.1374	-0.29389E-04-0.23130E-04
314	-727.07	-652.69	-113.45	-113.45	-4.0637	-4.0637	-0.38060E-03-0.72145E-03
315	-652.69	-578.31	-113.45	-113.45	-4.0637	-4.0637	-0.29323E-03-0.61659E-03
316	-578.31	-503.94	-113.45	-113.45	-4.0637	-4.0637	-0.22126E-03-0.51895E-03
317	-503.94	-429.56	-113.45	-113.45	-4.0637	-4.0637	-0.16281E-03-0.42766E-03
318	-429.56	-355.18	-113.45	-113.45	-4.0637	-4.0637	-0.11605E-03-0.34185E-03
319	-355.18	-280.80	-113.45	-113.45	-4.0637	-4.0637	-0.79093E-04-0.26065E-03
320	-280.80	-206.43	-113.45	-113.45	-4.0637	-4.0637	-0.50093E-04-0.18317E-03
321	-206.43	-132.05	-113.45	-113.45	-4.0637	-4.0637	-0.27185E-04-0.10856E-03
322	-132.05	-57.671	-113.45	-113.45	-4.0637	-4.0637	-0.85114E-05-0.35927E-04
323	727.07	652.69	-113.45	-113.45	4.0637	4.0637	0.38060E-03-0.72145E-03
324	652.69	578.31	-113.45	-113.45	4.0637	4.0637	0.29323E-03-0.61659E-03
325	578.31	503.94	-113.45	-113.45	4.0637	4.0637	0.22126E-03-0.51895E-03
326	503.94	429.56	-113.45	-113.45	4.0637	4.0637	0.16281E-03-0.42766E-03
327	429.56	355.18	-113.45	-113.45	4.0637	4.0637	0.11605E-03-0.34185E-03
328	355.18	280.80	-113.45	-113.45	4.0637	4.0637	0.79093E-04-0.26065E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT
ELEM	MI	MJ	NI	NJ	TI	TJ	UX	UY	
329	280.80	206.43	-113.45	-113.45	4.0637	4.0637	0.50093E-04-0.18317E-03		
330	206.43	132.05	-113.45	-113.45	4.0637	4.0637	0.27185E-04-0.10856E-03		
331	132.05	57.671	-113.45	-113.45	4.0637	4.0637	0.85114E-05-0.35927E-04		
332	519.37	519.37	-84.720	-84.720	0.45200E-11	0.45200E-11	0.39542E-03-0.87607E-03		
333	519.37	519.37	-84.720	-84.720	0.13349E-11	0.13349E-11	0.32952E-03-0.10599E-02		
334	519.37	519.37	-84.720	-84.720	0.40927E-11	0.40927E-11	0.26361E-03-0.12103E-02		
335	519.37	519.37	-84.720	-84.720	0.10800E-11	0.10800E-11	0.19771E-03-0.13273E-02		
336	519.37	519.37	-84.720	-84.720	0.35811E-11	0.35811E-11	0.13181E-03-0.14109E-02		
337	519.37	519.37	-84.720	-84.720	0.27072E-11	0.27072E-11	0.65903E-04-0.14610E-02		
338	519.37	519.37	-84.720	-84.720	0.26432E-11	0.26432E-11	0.50913E-15-0.14778E-02		
339	519.37	519.37	-84.720	-84.720	0.42917E-11	0.42917E-11	0.65903E-04-0.14610E-02		
340	519.37	519.37	-84.720	-84.720	0.31264E-11	0.31264E-11	0.13181E-03-0.14109E-02		
341	519.37	519.37	-84.720	-84.720	0.10232E-11	0.10232E-11	0.19771E-03-0.13273E-02		
342	519.37	519.37	-84.720	-84.720	0.30127E-11	0.30127E-11	0.26361E-03-0.12103E-02		
343	519.37	519.37	-84.720	-84.720	0.42064E-11	0.42064E-11	0.32952E-03-0.10599E-02		
344	519.37	519.37	-84.720	-84.720	0.29559E-11	0.29559E-11	0.39542E-03-0.87607E-03		
345	-1589.8	-1167.6	51.344	51.344	-49.984	-49.984	-0.57912E-03-0.11062E-02		
346	-1167.6	-745.43	51.344	51.344	-49.984	-49.984	-0.60615E-03-0.11010E-02		
347	-745.43	-323.26	51.344	51.344	-49.984	-49.984	-0.62776E-03-0.10943E-02		
348	-323.26	98.916	51.344	51.344	-49.984	-49.984	-0.64633E-03-0.10868E-02		
349	98.916	521.09	51.344	51.344	-49.984	-49.984	-0.66426E-03-0.10792E-02		
350	521.09	943.27	51.344	51.344	-49.984	-49.984	-0.68395E-03-0.10720E-02		
351	943.27	1365.4	51.344	51.344	-49.984	-49.984	-0.70780E-03-0.10659E-02		
352	1365.4	1787.6	51.344	51.344	-49.984	-49.984	-0.73821E-03-0.10617E-02		

353	10.072	66.743	70.546	70.546	-6.7097	-6.7097	0.54616E-03-0.11121E-02
354	66.743	123.41	70.546	70.546	-6.7097	-6.7097	0.51079E-03-0.11197E-02
355	123.41	180.09	70.546	70.546	-6.7097	-6.7097	0.47596E-03-0.11275E-02
356	180.09	236.76	70.546	70.546	-6.7097	-6.7097	0.44198E-03-0.11355E-02
357	236.76	293.43	70.546	70.546	-6.7097	-6.7097	0.40920E-03-0.11438E-02
358	293.43	350.10	70.546	70.546	-6.7097	-6.7097	0.37791E-03-0.11525E-02
359	350.10	406.77	70.546	70.546	-6.7097	-6.7097	0.34846E-03-0.11618E-02
360	406.77	463.44	70.546	70.546	-6.7097	-6.7097	0.32115E-03-0.11716E-02
361	1599.9	1029.9	-160.60	-160.60	22.273	22.273	-0.53281E-03-0.10249E-02
362	1029.9	459.93	-160.60	-160.60	22.273	22.273	-0.44633E-03-0.84448E-03
363	459.93	-110.03	-160.60	-160.60	22.273	22.273	-0.32485E-03-0.64419E-03
364	-110.03	-679.99	-160.60	-160.60	22.273	22.273	-0.19514E-03-0.43925E-03
365	-679.99	-1250.0	-160.60	-160.60	22.273	22.273	-0.83999E-04-0.24482E-03
366	-1250.0	-1819.9	-160.60	-160.60	22.273	22.273	-0.18209E-04-0.76064E-04
367	-1599.9	-1029.9	-160.60	-160.60	-22.273	-22.273	0.53281E-03-0.10249E-02
368	-1029.9	-459.93	-160.60	-160.60	-22.273	-22.273	0.44633E-03-0.84448E-03
369	-459.93	110.03	-160.60	-160.60	-22.273	-22.273	0.32485E-03-0.64419E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT
ELEM	MI	MJ	NI	NJ	TI	TJ	UX	UY	
370	110.03	679.99	-160.60	-160.60	-22.273	-22.273	-22.273	0.19514E-03-0.43925E-03	
371	679.99	1250.0	-160.60	-160.60	-22.273	-22.273	-22.273	0.83999E-04-0.24482E-03	
372	1250.0	1819.9	-160.60	-160.60	-22.273	-22.273	-22.273	0.18209E-04-0.76064E-04	

MINIMUM VALUES

ELEM	197	366	362	362	199	199	91	338
VALUE	-2741.9	-1819.9	-160.60	-160.60	-72.634	-72.634	-0.79891E-03-0.14778E-02	

MAXIMUM VALUES

ELEM	92	372	136	136	93	93	135	106
VALUE	2741.9	1819.9	104.35	104.35	72.634	72.634	0.79891E-03 0.12124E-03	

## 2.4. Resultats del assaig de tracció fet al prototip modificat

PRINT ELEMENT TABLE ITEMS PER ELEMENT

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
1	-225.59	-206.60	-1.6294	-1.6294	76.920	76.920	76.920	0.85380E-05	-0.21968E-04	
2	-206.60	-187.62	-1.6294	-1.6294	76.920	76.920	76.920	0.24688E-04	-0.65210E-04	
3	-187.62	-168.63	-1.6294	-1.6294	76.920	76.920	76.920	0.39070E-04	-0.10713E-03	
4	-168.63	-149.65	-1.6294	-1.6294	76.920	76.920	76.920	0.51856E-04	-0.14786E-03	
5	-149.65	-130.66	-1.6294	-1.6294	76.920	76.920	76.920	0.63214E-04	-0.18752E-03	
6	-130.66	-111.68	-1.6294	-1.6294	76.920	76.920	76.920	0.73316E-04	-0.22624E-03	
7	-111.68	-92.693	-1.6294	-1.6294	76.920	76.920	76.920	0.82331E-04	-0.26414E-03	
8	-92.693	-73.708	-1.6294	-1.6294	76.920	76.920	76.920	0.90430E-04	-0.30136E-03	
9	-73.708	-54.723	-1.6294	-1.6294	76.920	76.920	76.920	0.97784E-04	-0.33803E-03	
10	-54.723	-35.738	-1.6294	-1.6294	76.920	76.920	76.920	0.10456E-03	-0.37426E-03	
11	-35.738	-16.753	-1.6294	-1.6294	76.920	76.920	76.920	0.11093E-03	-0.41019E-03	
12	-16.753	2.2319	-1.6294	-1.6294	76.920	76.920	76.920	0.11707E-03	-0.44594E-03	
13	0.11823E-10	0.10914E-10	0.46762E-12	0.46762E-12	0.32427E-13	0.32427E-13	0.11390E-04	0.35049E-04		
14	-0.27285E-11	0.18190E-11	-0.35950E-12	-0.35950E-12	0.27098E-14	0.27098E-14	-0.34170E-04	0.10515E-03		
15	0.63665E-11	0.54570E-11	-0.48519E-12	-0.48519E-12	0.21633E-13	0.21633E-13	0.56950E-04	0.17524E-03		
16	-643.74	-503.53	-8.3623	-8.3623	-72.088	-72.088	-72.088	-0.10136E-02	-0.12267E-02	
17	-503.53	-363.33	-8.3623	-8.3623	-72.088	-72.088	-72.088	-0.91749E-03	-0.12045E-02	
18	-363.33	-223.12	-8.3623	-8.3623	-72.088	-72.088	-72.088	-0.83136E-03	-0.11810E-02	
19	-223.12	-82.916	-8.3623	-8.3623	-72.088	-72.088	-72.088	-0.75198E-03	-0.11567E-02	
20	656.62	579.36	9.1472	9.1472	49.808	49.808	49.808	-0.36715E-03	-0.12123E-02	
21	579.36	502.10	9.1472	9.1472	49.808	49.808	49.808	-0.40021E-03	-0.12091E-02	
22	502.10	424.84	9.1472	9.1472	49.808	49.808	49.808	-0.43635E-03	-0.12068E-02	
23	424.84	347.58	9.1472	9.1472	49.808	49.808	49.808	-0.47511E-03	-0.12051E-02	
24	347.58	270.33	9.1472	9.1472	49.808	49.808	49.808	-0.51608E-03	-0.12041E-02	
25	270.33	193.07	9.1472	9.1472	49.808	49.808	49.808	-0.55879E-03	-0.12035E-02	
26	193.07	115.81	9.1472	9.1472	49.808	49.808	49.808	-0.60282E-03	-0.12033E-02	
27	115.81	38.549	9.1472	9.1472	49.808	49.808	49.808	-0.64773E-03	-0.12033E-02	
28	-82.916	-93.249	0.36384	0.36384	-72.570	-72.570	-72.570	-0.65421E-03	-0.11156E-02	
29	-93.249	-103.58	0.36384	0.36384	-72.570	-72.570	-72.570	-0.53857E-03	-0.10582E-02	
30	-103.58	-113.92	0.36384	0.36384	-72.570	-72.570	-72.570	-0.42948E-03	-0.10008E-02	
31	-113.92	-124.25	0.36384	0.36384	-72.570	-72.570	-72.570	-0.32763E-03	-0.94342E-03	
32	-124.25	-134.58	0.36384	0.36384	-72.570	-72.570	-72.570	-0.23369E-03	-0.88601E-03	
33	-134.58	-144.91	0.36384	0.36384	-72.570	-72.570	-72.570	-0.14837E-03	-0.82861E-03	
34	-144.91	-155.25	0.36384	0.36384	-72.570	-72.570	-72.570	-0.72335E-04	-0.77120E-03	
35	-155.25	-165.58	0.36384	0.36384	-72.570	-72.570	-72.570	-0.62872E-05	-0.71380E-03	
36	-165.58	-175.91	0.36384	0.36384	-72.570	-72.570	-72.570	0.49090E-04	-0.65640E-03	
37	-175.91	-186.25	0.36384	0.36384	-72.570	-72.570	-72.570	0.93110E-04	-0.59900E-03	
38	-170.76	-168.96	-0.12658	-0.12658	18.587	18.587	18.587	0.11377E-03	-0.47817E-03	
39	-168.96	-167.16	-0.12658	-0.12658	18.587	18.587	18.587	0.10137E-03	-0.50555E-03	
40	-167.16	-165.37	-0.12658	-0.12658	18.587	18.587	18.587	0.89457E-04	-0.53017E-03	
41	-165.37	-163.57	-0.12658	-0.12658	18.587	18.587	18.587	0.78039E-04	-0.55206E-03	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT	CURRENT
42	-163.57	-161.77	-0.12658	-0.12658	18.587	18.587	18.587	0.67106E-04	-0.57127E-03	
43	-161.77	-159.97	-0.12658	-0.12658	18.587	18.587	18.587	0.56654E-04	-0.58780E-03	
44	-159.97	-158.17	-0.12658	-0.12658	18.587	18.587	18.587	0.46676E-04	-0.60170E-03	
45	-158.17	-156.37	-0.12658	-0.12658	18.587	18.587	18.587	0.37169E-04	-0.61299E-03	
46	-156.37	-154.57	-0.12658	-0.12658	18.587	18.587	18.587	0.28125E-04	-0.62171E-03	
47	-154.57	-152.78	-0.12658	-0.12658	18.587	18.587	18.587	0.19541E-04	-0.62788E-03	
48	-152.78	-150.98	-0.12658	-0.12658	18.587	18.587	18.587	0.11411E-04	-0.63152E-03	



49	-150.98	-149.18	-0.12658	-0.12658	18.587	18.587	0.37294E-05-0.63268E-03
50	-181.98	-55.210	-4.4119	-4.4119	-0.90949E-12-0.90949E-12-0.67892E-04-0.12142E-02		
51	-55.210	71.564	-4.4119	-4.4119	-0.68212E-12-0.68212E-12-0.15800E-03-0.12142E-02		
52	71.564	198.34	-4.4119	-4.4119	-0.11369E-11-0.11369E-11-0.24755E-03-0.12142E-02		
53	198.34	325.11	-4.4119	-4.4119	-0.90949E-12-0.90949E-12-0.32791E-03-0.12142E-02		
54	325.11	451.89	-4.4119	-4.4119	-0.11369E-11-0.11369E-11-0.39045E-03-0.12142E-02		
55	451.89	578.66	-4.4119	-4.4119	-0.15916E-11-0.15916E-11-0.42654E-03-0.12142E-02		
56	578.66	705.44	-4.4119	-4.4119	-0.13642E-11-0.13642E-11-0.42753E-03-0.12142E-02		
57	705.44	832.21	-4.4119	-4.4119	-0.18190E-11-0.18190E-11-0.38481E-03-0.12142E-02		
58	-447.55	-410.28	-3.2269	-3.2269	93.180 93.180 0.12053E-03-0.48286E-03		
59	-410.28	-373.00	-3.2269	-3.2269	93.180 93.180 0.11959E-03-0.51964E-03		
60	-373.00	-335.73	-3.2269	-3.2269	93.180 93.180 0.11521E-03-0.55383E-03		
61	-100.59	-269.35	12.849	12.849	28.978 28.978 0.35002E-03-0.42031E-05		
62	-269.35	-438.11	12.849	12.849	28.978 28.978 0.29443E-03-0.11990E-04		
63	-438.11	-606.87	12.849	12.849	28.978 28.978 0.24362E-03-0.18150E-04		
64	379.75	308.30	2.6430	2.6430	-111.98 -111.98 -0.32613E-03-0.11543E-02		
65	308.30	236.85	2.6430	2.6430	-111.98 -111.98 -0.26722E-03-0.10306E-02		
66	236.85	165.40	2.6430	2.6430	-111.98 -111.98 -0.19361E-03-0.89942E-03		
67	165.40	93.949	2.6430	2.6430	-111.98 -111.98 -0.10917E-03-0.76286E-03		
68	93.949	22.500	2.6430	2.6430	-111.98 -111.98 -0.17738E-04-0.62279E-03		
69	22.500	-48.948	2.6430	2.6430	-111.98 -111.98 0.76830E-04-0.48115E-03		
70	-48.948	-120.40	2.6430	2.6430	-111.98 -111.98 0.17069E-03-0.33987E-03		
71	-120.40	-191.85	2.6430	2.6430	-111.98 -111.98 0.25998E-03-0.20088E-03		
72	-191.85	-263.30	2.6430	2.6430	-111.98 -111.98 0.34086E-03-0.66097E-04		
73	-170.51	-170.51	0.39790E-12	0.39790E-12	0.41500E-13-0.41500E-13 0.17100E-19-0.49263E-04		
74	-170.51	-170.51	0.11369E-12	0.11369E-12	0.11577E-12-0.11577E-12 0.10260E-18-0.14163E-03		
75	-170.51	-170.51	0.36948E-12	0.36948E-12	0.13124E-12 0.13124E-12 0.99178E-19-0.22168E-03		
76	-170.51	-170.51	0.59686E-12	0.59686E-12	0.24900E-13-0.24900E-13 0.37619E-19-0.28942E-03		
77	-170.51	-170.51	0.73896E-12	0.73896E-12	0.70895E-13-0.70895E-13 0.88918E-19-0.34484E-03		
78	-170.51	-170.51	0.24158E-12	0.24158E-12	0.69771E-13 0.69771E-13 0.92338E-19-0.38794E-03		
79	-170.51	-170.51	0.52580E-12	0.52580E-12	0.35447E-13-0.35447E-13 0.75238E-19-0.41873E-03		
80	-170.51	-170.51	0.74607E-13	0.74607E-13	0.34324E-13 0.34324E-13 0.78658E-19-0.43721E-03		
81	-170.51	-170.51	0.67857E-12	0.67857E-12	0.83000E-14 0.83000E-14 0.58139E-19-0.44336E-03		
82	-170.51	-170.51	-0.35527E-13-0.35527E-13	0.83000E-14 0.83000E-14	0.51299E-19-0.43721E-03		

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
83	-170.51	-170.51	0.15632E-12	0.15632E-12	0.83000E-14	0.83000E-14	0.44459E-19-0.41873E-03		
84	-170.51	-170.51	0.48317E-12	0.48317E-12	0.83000E-14	0.83000E-14	0.37619E-19-0.38794E-03		
85	-170.51	-170.51	0.19895E-12	0.19895E-12	0.83000E-14	0.83000E-14	0.30779E-19-0.34484E-03		
86	-170.51	-170.51	0.31264E-12	0.31264E-12	0.83000E-14	0.83000E-14	0.23939E-19-0.28942E-03		
87	-170.51	-170.51	0.42633E-12	0.42633E-12	0.83000E-14	0.83000E-14	0.17100E-19-0.22168E-03		
88	-170.51	-170.51	0.90949E-12	0.90949E-12	0.83000E-14	0.83000E-14	0.10260E-19-0.14163E-03		
89	-170.51	-170.51	0.79581E-12	0.79581E-12	0.83000E-14	0.83000E-14	0.34199E-20-0.49263E-04		
90	-884.55	-764.14	-19.276	-19.276	69.965	69.965	-0.10001E-02-0.12390E-02		
91	-764.14	-643.74	-19.276	-19.276	69.965	69.965	-0.10435E-02-0.12381E-02		
92	2951.8	1379.4	85.911	85.911	-82.509	-82.509	-0.91291E-03-0.11856E-02		
93	1379.4	-193.02	85.911	85.911	-82.509	-82.509	-0.76586E-03-0.10702E-02		
94	-193.02	-1765.4	85.911	85.911	-82.509	-82.509	-0.60397E-03-0.94777E-03		
95	-301.40	-270.46	-1.0529	-1.0529	26.543	26.543	-0.87274E-05-0.62436E-03		
96	-270.46	-239.52	-1.0529	-1.0529	26.543	26.543	-0.23206E-04-0.59863E-03		
97	-239.52	-208.58	-1.0529	-1.0529	26.543	26.543	-0.32072E-04-0.55562E-03		
98	-208.58	-177.64	-1.0529	-1.0529	26.543	26.543	-0.36007E-04-0.49744E-03		
99	-177.64	-146.69	-1.0529	-1.0529	26.543	26.543	-0.35692E-04-0.42618E-03		
100	-146.69	-115.75	-1.0529	-1.0529	26.543	26.543	-0.31807E-04-0.34393E-03		
101	-115.75	-84.811	-1.0529	-1.0529	26.543	26.543	-0.25035E-04-0.25279E-03		
102	-84.811	-53.869	-1.0529	-1.0529	26.543	26.543	-0.16055E-04-0.15486E-03		
103	-53.869	-22.927	-1.0529	-1.0529	26.543	26.543	-0.55493E-05-0.52227E-04		
104	-0.11823E-10-0.10914E-10	-0.68386E-12-0.68386E-12	0.10270E-12	0.10270E-12	0.11390E-04	0.11390E-04	0.35049E-04		
105	0.10004E-10-0.54570E-11	0.65751E-12 0.65751E-12	0.18379E-12	0.18379E-12	0.34170E-04	0.34170E-04	0.10515E-03		
106	-0.27285E-11-0.54570E-11	0.16083E-12 0.16083E-12	0.12704E-12	0.12704E-12	0.56950E-04	0.56950E-04	0.17524E-03		
107	1076.3	843.04	17.759	17.759	27.533	27.533	-0.20250E-04 0.15967E-05		
108	843.04	609.78	17.759	17.759	27.533	27.533	-0.55074E-04 0.28516E-05		
109	609.78	376.53	17.759	17.759	27.533	27.533	-0.80118E-04 0.76566E-06		
110	225.59	206.60	1.6294	1.6294	76.920	76.920	-0.85380E-05-0.21968E-04		
111	206.60	187.62	1.6294	1.6294	76.920	76.920	-0.24688E-04-0.65210E-04		

112	187.62	168.63	1.6294	1.6294	76.920	76.920	-0.39070E-04-0.10713E-03
113	168.63	149.65	1.6294	1.6294	76.920	76.920	-0.51856E-04-0.14786E-03
114	149.65	130.66	1.6294	1.6294	76.920	76.920	-0.63214E-04-0.18752E-03
115	130.66	111.68	1.6294	1.6294	76.920	76.920	-0.73316E-04-0.22624E-03
116	111.68	92.693	1.6294	1.6294	76.920	76.920	-0.82331E-04-0.26414E-03
117	92.693	73.708	1.6294	1.6294	76.920	76.920	-0.90430E-04-0.30136E-03
118	73.708	54.723	1.6294	1.6294	76.920	76.920	-0.97784E-04-0.33803E-03
119	54.723	35.738	1.6294	1.6294	76.920	76.920	-0.10456E-03-0.37426E-03
120	35.738	16.753	1.6294	1.6294	76.920	76.920	-0.11093E-03-0.41019E-03
121	16.753	-2.2319	1.6294	1.6294	76.920	76.920	-0.11707E-03-0.44594E-03
122	-398.23	-109.50	-24.518	-24.518	18.123	18.123	0.11509E-03-0.57614E-03
123	447.55	410.28	3.2269	3.2269	93.180	93.180	-0.12053E-03-0.48286E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
124	410.28	373.00	3.2269	3.2269	93.180	93.180	-0.11959E-03-0.51964E-03		
125	373.00	335.73	3.2269	3.2269	93.180	93.180	-0.11521E-03-0.55383E-03		
126	398.23	109.50	24.518	24.518	18.123	18.123	-0.11509E-03-0.57614E-03		
127	181.98	55.210	4.4119	4.4119	0.68212E-12	0.68212E-12	0.67892E-04-0.12142E-02		
128	55.210	-71.564	4.4119	4.4119	0.90949E-12	0.90949E-12	0.15800E-03-0.12142E-02		
129	-71.564	-198.34	4.4119	4.4119	0.68212E-12	0.68212E-12	0.24755E-03-0.12142E-02		
130	-198.34	-325.11	4.4119	4.4119	0.68212E-12	0.68212E-12	0.32791E-03-0.12142E-02		
131	-325.11	-451.89	4.4119	4.4119	0.45475E-12	0.45475E-12	0.39045E-03-0.12142E-02		
132	-451.89	-578.66	4.4119	4.4119	-0.22737E-12	-0.22737E-12	0.42654E-03-0.12142E-02		
133	-578.66	-705.44	4.4119	4.4119	0.22737E-12	0.22737E-12	0.42753E-03-0.12142E-02		
134	-705.44	-832.21	4.4119	4.4119	-0.45475E-12	-0.45475E-12	0.38481E-03-0.12142E-02		
135	-643.74	-764.14	19.276	19.276	69.965	69.965	0.10435E-02-0.12381E-02		
136	-764.14	-884.55	19.276	19.276	69.965	69.965	0.10001E-02-0.12390E-02		
137	643.74	503.53	8.3623	8.3623	-72.088	-72.088	0.10136E-02-0.12267E-02		
138	503.53	363.33	8.3623	8.3623	-72.088	-72.088	0.91749E-03-0.12045E-02		
139	363.33	223.12	8.3623	8.3623	-72.088	-72.088	0.83136E-03-0.11810E-02		
140	223.12	82.916	8.3623	8.3623	-72.088	-72.088	0.75198E-03-0.11567E-02		
141	82.916	93.249	-0.36384	-0.36384	-72.570	-72.570	0.65421E-03-0.11156E-02		
142	93.249	103.58	-0.36384	-0.36384	-72.570	-72.570	0.53857E-03-0.10582E-02		
143	103.58	113.92	-0.36384	-0.36384	-72.570	-72.570	0.42948E-03-0.10008E-02		
144	113.92	124.25	-0.36384	-0.36384	-72.570	-72.570	0.32763E-03-0.94342E-03		
145	124.25	134.58	-0.36384	-0.36384	-72.570	-72.570	0.23369E-03-0.88601E-03		
146	134.58	144.91	-0.36384	-0.36384	-72.570	-72.570	0.14837E-03-0.82861E-03		
147	144.91	155.25	-0.36384	-0.36384	-72.570	-72.570	0.72335E-04-0.77120E-03		
148	155.25	165.58	-0.36384	-0.36384	-72.570	-72.570	0.62872E-05-0.71380E-03		
149	165.58	175.91	-0.36384	-0.36384	-72.570	-72.570	-0.49090E-04-0.65640E-03		
150	175.91	186.25	-0.36384	-0.36384	-72.570	-72.570	-0.93110E-04-0.59900E-03		
151	-149.18	-150.98	0.12658	0.12658	18.587	18.587	-0.37294E-05-0.63268E-03		
152	-150.98	-152.78	0.12658	0.12658	18.587	18.587	-0.11411E-04-0.63152E-03		
153	-152.78	-154.57	0.12658	0.12658	18.587	18.587	-0.19541E-04-0.62788E-03		
154	-154.57	-156.37	0.12658	0.12658	18.587	18.587	-0.28125E-04-0.62171E-03		
155	-156.37	-158.17	0.12658	0.12658	18.587	18.587	-0.37169E-04-0.61299E-03		
156	-158.17	-159.97	0.12658	0.12658	18.587	18.587	-0.46676E-04-0.60170E-03		
157	-159.97	-161.77	0.12658	0.12658	18.587	18.587	-0.56654E-04-0.58780E-03		
158	-161.77	-163.57	0.12658	0.12658	18.587	18.587	-0.67106E-04-0.57127E-03		
159	-163.57	-165.37	0.12658	0.12658	18.587	18.587	-0.78039E-04-0.55206E-03		
160	-165.37	-167.16	0.12658	0.12658	18.587	18.587	-0.89457E-04-0.53017E-03		
161	-167.16	-168.96	0.12658	0.12658	18.587	18.587	-0.10137E-03-0.50555E-03		
162	-168.96	-170.76	0.12658	0.12658	18.587	18.587	-0.11377E-03-0.47817E-03		
163	204.15	204.15	0.35527E-11	0.35527E-11	-65.207	-65.207	0.32440E-03-0.12589E-02		
164	204.15	204.15	0.44906E-11	0.44906E-11	-65.207	-65.207	0.27034E-03-0.13410E-02		

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
165	204.15	204.15	0.26716E-11	0.26716E-11	-65.207	-65.207	0.21627E-03-0.14082E-02		
166	204.15	204.15	0.34674E-11	0.34674E-11	-65.207	-65.207	0.16220E-03-0.14605E-02		
167	204.15	204.15	0.40998E-11	0.40998E-11	-65.207	-65.207	0.10813E-03-0.14978E-02		
168	204.15	204.15	0.23377E-11	0.23377E-11	-65.207	-65.207	0.54067E-04-0.15202E-02		
169	204.15	204.15	0.65370E-12	0.65370E-12	-65.207	-65.207	0.18660E-15-0.15277E-02		

170	204.15	204.15	0.14992E-11	0.14992E-11	-65.207	-65.207	-0.54067E-04	-0.15202E-02
171	204.15	204.15	0.23022E-11	0.23022E-11	-65.207	-65.207	-0.10813E-03	-0.14978E-02
172	204.15	204.15	0.54001E-12	0.54001E-12	-65.207	-65.207	-0.16220E-03	-0.14605E-02
173	204.15	204.15	-0.10516E-11	-0.10516E-11	-65.207	-65.207	-0.21627E-03	-0.14082E-02
174	204.15	204.15	-0.19895E-12	-0.19895E-12	-65.207	-65.207	-0.27034E-03	-0.13410E-02
175	204.15	204.15	-0.56843E-13	-0.56843E-13	-65.207	-65.207	-0.32440E-03	-0.12589E-02
176	-181.98	-181.98	0.24443E-11	0.24443E-11	-4.4119	-4.4119	0.21949E-04	-0.11742E-02
177	-181.98	-181.98	0.85265E-12	0.85265E-12	-4.4119	-4.4119	0.18291E-04	-0.11010E-02
178	-181.98	-181.98	-0.23580E-12	-0.23580E-12	-4.4119	-4.4119	0.14633E-04	-0.10412E-02
179	-181.98	-181.98	0.13727E-11	0.13727E-11	-4.4119	-4.4119	0.10974E-04	-0.99458E-03
180	-181.98	-181.98	-0.27001E-12	-0.27001E-12	-4.4119	-4.4119	0.73163E-05	-0.96132E-03
181	-181.98	-181.98	0.13678E-11	0.13678E-11	-4.4119	-4.4119	0.36581E-05	-0.94136E-03
182	-181.98	-181.98	0.71054E-14	0.71054E-14	-4.4119	-4.4119	0.29728E-15	-0.93470E-03
183	-181.98	-181.98	-0.46896E-12	-0.46896E-12	-4.4119	-4.4119	-0.36581E-05	-0.94136E-03
184	-181.98	-181.98	-0.36948E-12	-0.36948E-12	-4.4119	-4.4119	-0.73163E-05	-0.96132E-03
185	-181.98	-181.98	0.19895E-11	0.19895E-11	-4.4119	-4.4119	-0.10974E-04	-0.99458E-03
186	-181.98	-181.98	-0.36948E-12	-0.36948E-12	-4.4119	-4.4119	-0.14633E-04	-0.10412E-02
187	-181.98	-181.98	0.22737E-11	0.22737E-11	-4.4119	-4.4119	-0.18291E-04	-0.11010E-02
188	-181.98	-181.98	0.0000	0.0000	-4.4119	-4.4119	-0.21949E-04	-0.11742E-02
189	2067.3	1635.0	51.185	51.185	24.232	24.232	0.95094E-03	-0.12350E-02
190	1635.0	1202.6	51.185	51.185	24.232	24.232	0.90184E-03	-0.12276E-02
191	1202.6	770.33	51.185	51.185	24.232	24.232	0.86079E-03	-0.12224E-02
192	770.33	338.00	51.185	51.185	24.232	24.232	0.82535E-03	-0.12187E-02
193	338.00	-94.318	51.185	51.185	24.232	24.232	0.79306E-03	-0.12159E-02
194	-94.318	-526.64	51.185	51.185	24.232	24.232	0.76145E-03	-0.12132E-02
195	-526.64	-958.96	51.185	51.185	24.232	24.232	0.72809E-03	-0.12101E-02
196	-958.96	-1391.3	51.185	51.185	24.232	24.232	0.69050E-03	-0.12058E-02
197	-2951.8	-1379.4	-85.911	-85.911	-82.509	-82.509	0.91291E-03	-0.11856E-02
198	-1379.4	193.02	-85.911	-85.911	-82.509	-82.509	0.76586E-03	-0.10702E-02
199	193.02	1765.4	-85.911	-85.911	-82.509	-82.509	0.60397E-03	-0.94777E-03
200	-379.75	-308.30	-2.6430	-2.6430	-111.98	-111.98	0.32613E-03	-0.11543E-02
201	-308.30	-236.85	-2.6430	-2.6430	-111.98	-111.98	0.26722E-03	-0.10306E-02
202	-236.85	-165.40	-2.6430	-2.6430	-111.98	-111.98	0.19361E-03	-0.89942E-03
203	-165.40	-93.949	-2.6430	-2.6430	-111.98	-111.98	0.10917E-03	-0.76286E-03
204	-93.949	-22.500	-2.6430	-2.6430	-111.98	-111.98	0.17738E-04	-0.62279E-03
205	-22.500	48.948	-2.6430	-2.6430	-111.98	-111.98	-0.76830E-04	-0.48115E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY	CURRENT
206	48.948	120.40	-2.6430	-2.6430	-111.98	-111.98	-111.98	-0.17069E-03	-0.33987E-03
207	120.40	191.85	-2.6430	-2.6430	-111.98	-111.98	-111.98	-0.25998E-03	-0.20088E-03
208	191.85	263.30	-2.6430	-2.6430	-111.98	-111.98	-111.98	-0.34086E-03	-0.66097E-04
209	301.40	270.46	1.0529	1.0529	26.543	26.543	26.543	0.87274E-05	-0.62436E-03
210	270.46	239.52	1.0529	1.0529	26.543	26.543	26.543	0.23206E-04	-0.59863E-03
211	239.52	208.58	1.0529	1.0529	26.543	26.543	26.543	0.32072E-04	-0.55562E-03
212	208.58	177.64	1.0529	1.0529	26.543	26.543	26.543	0.36007E-04	-0.49744E-03
213	177.64	146.69	1.0529	1.0529	26.543	26.543	26.543	0.35692E-04	-0.42618E-03
214	146.69	115.75	1.0529	1.0529	26.543	26.543	26.543	0.31807E-04	-0.34393E-03
215	115.75	84.811	1.0529	1.0529	26.543	26.543	26.543	0.25035E-04	-0.25279E-03
216	84.811	53.869	1.0529	1.0529	26.543	26.543	26.543	0.16055E-04	-0.15486E-03
217	53.869	22.927	1.0529	1.0529	26.543	26.543	26.543	0.55493E-05	-0.52227E-04
218	109.50	91.553	0.64389	0.64389	30.482	30.482	30.482	-0.10637E-03	-0.59287E-03
219	91.553	77.579	0.49979	0.49979	30.485	30.485	30.485	-0.83034E-04	-0.61170E-03
220	77.579	67.590	0.35645	0.35645	30.487	30.487	30.487	-0.59462E-04	-0.62496E-03
221	67.590	61.594	0.21366	0.21366	30.488	30.488	30.488	-0.35735E-04	-0.63340E-03
222	61.594	59.594	0.71183E-01	0.71183E-01	30.489	30.489	30.489	-0.11921E-04	-0.63749E-03
223	59.594	61.594	-0.71183E-01	-0.71183E-01	30.489	30.489	30.489	0.11921E-04	-0.63749E-03
224	61.594	67.590	-0.21366	-0.21366	30.488	30.488	30.488	0.35735E-04	-0.63340E-03
225	67.590	77.579	-0.35645	-0.35645	30.487	30.487	30.487	0.59462E-04	-0.62496E-03
226	77.579	91.553	-0.49979	-0.49979	30.485	30.485	30.485	0.83034E-04	-0.61170E-03
227	91.553	109.50	-0.64389	-0.64389	30.482	30.482	30.482	0.10637E-03	-0.59287E-03
228	-162.70	-164.32	0.67778E-01	0.67778E-01	26.885	26.885	26.885	0.35894E-03	-0.47698E-04
229	-164.32	-165.93	0.67778E-01	0.67778E-01	26.885	26.885	26.885	0.32023E-03	-0.13934E-03
230	-165.93	-167.55	0.67778E-01	0.67778E-01	26.885	26.885	26.885	0.28320E-03	-0.22342E-03
231	-167.55	-169.17	0.67778E-01	0.67778E-01	26.885	26.885	26.885	0.24788E-03	-0.29987E-03
232	-169.17	-170.78	0.67778E-01	0.67778E-01	26.885	26.885	26.885	0.21427E-03	-0.36863E-03

233	-170.78	-172.40	0.67778E-01	0.67778E-01	26.885	26.885	0.18239E-03-0.42960E-03
234	-172.40	-174.01	0.67778E-01	0.67778E-01	26.885	26.885	0.15227E-03-0.48273E-03
235	-174.01	-175.63	0.67778E-01	0.67778E-01	26.885	26.885	0.12391E-03-0.52793E-03
236	-175.63	-177.24	0.67778E-01	0.67778E-01	26.885	26.885	0.97331E-04-0.56513E-03
237	-177.24	-178.86	0.67778E-01	0.67778E-01	26.885	26.885	0.72553E-04-0.59427E-03
238	-178.86	-180.48	0.67778E-01	0.67778E-01	26.885	26.885	0.49590E-04-0.61525E-03
239	-180.48	-182.09	0.67778E-01	0.67778E-01	26.885	26.885	0.28459E-04-0.62802E-03
240	-182.09	-183.71	0.67778E-01	0.67778E-01	26.885	26.885	0.91770E-05-0.63249E-03
241	-183.71	-182.09	-0.67778E-01-0.67778E-01	26.885	26.885	-0.91770E-05-0.63249E-03	
242	-182.09	-180.48	-0.67778E-01-0.67778E-01	26.885	26.885	-0.28459E-04-0.62802E-03	
243	-180.48	-178.86	-0.67778E-01-0.67778E-01	26.885	26.885	-0.49590E-04-0.61525E-03	
244	-178.86	-177.24	-0.67778E-01-0.67778E-01	26.885	26.885	-0.72553E-04-0.59427E-03	
245	-177.24	-175.63	-0.67778E-01-0.67778E-01	26.885	26.885	-0.97331E-04-0.56513E-03	
246	-175.63	-174.01	-0.67778E-01-0.67778E-01	26.885	26.885	-0.12391E-03-0.52793E-03	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY
247	-174.01	-172.40	-0.67778E-01-0.67778E-01	26.885	26.885	-0.15227E-03-0.48273E-03		
248	-172.40	-170.78	-0.67778E-01-0.67778E-01	26.885	26.885	-0.18239E-03-0.42960E-03		
249	-170.78	-169.17	-0.67778E-01-0.67778E-01	26.885	26.885	-0.21427E-03-0.36863E-03		
250	-169.17	-167.55	-0.67778E-01-0.67778E-01	26.885	26.885	-0.24788E-03-0.29987E-03		
251	-167.55	-165.93	-0.67778E-01-0.67778E-01	26.885	26.885	-0.28320E-03-0.22342E-03		
252	-165.93	-164.32	-0.67778E-01-0.67778E-01	26.885	26.885	-0.32023E-03-0.13934E-03		
253	-164.32	-162.70	-0.67778E-01-0.67778E-01	26.885	26.885	-0.35894E-03-0.47698E-04		
254	123.74	107.13	0.56778	0.56778	27.690	27.690	-0.10122E-03-0.58498E-03	
255	107.13	94.198	0.44061	0.44061	27.692	27.692	-0.79091E-04-0.61051E-03	
256	94.198	84.952	0.31419	0.31419	27.694	27.694	-0.56683E-04-0.62881E-03	
257	84.952	79.401	0.18830	0.18830	27.695	27.695	-0.34083E-04-0.64060E-03	
258	79.401	77.551	0.62733E-01	0.62733E-01	27.695	27.695	-0.11373E-04-0.64638E-03	
259	77.551	79.401	-0.62733E-01-0.62733E-01	27.695	27.695	0.11373E-04-0.64638E-03		
260	79.401	84.952	-0.18830	-0.18830	27.695	27.695	0.34083E-04-0.64060E-03	
261	84.952	94.198	-0.31419	-0.31419	27.694	27.694	0.56683E-04-0.62881E-03	
262	94.198	107.13	-0.44061	-0.44061	27.692	27.692	0.79091E-04-0.61051E-03	
263	107.13	123.74	-0.56778	-0.56778	27.690	27.690	0.10122E-03-0.58498E-03	
264	-1023.0	-789.74	-17.759	-17.759	27.533	27.533	0.20087E-03-0.21833E-04	
265	-789.74	-556.49	-17.759	-17.759	27.533	27.533	0.16855E-03-0.22230E-04	
266	-556.49	-323.23	-17.759	-17.759	27.533	27.533	0.14530E-03-0.19531E-04	
267	-323.23	-89.980	-17.759	-17.759	27.533	27.533	0.12798E-03-0.14809E-04	
268	-89.980	143.27	-17.759	-17.759	27.533	27.533	0.11343E-03-0.91376E-05	
269	143.27	376.53	-17.759	-17.759	27.533	27.533	0.98523E-04-0.35883E-05	
270	376.53	609.78	-17.759	-17.759	27.533	27.533	0.80118E-04-0.76566E-06	
271	609.78	843.04	-17.759	-17.759	27.533	27.533	0.55074E-04-0.28516E-05	
272	843.04	1076.3	-17.759	-17.759	27.533	27.533	0.20250E-04-0.15967E-05	
273	376.53	143.27	17.759	17.759	27.533	27.533	-0.98523E-04-0.35883E-05	
274	143.27	-89.980	17.759	17.759	27.533	27.533	-0.11343E-03-0.91376E-05	
275	-89.980	-323.23	17.759	17.759	27.533	27.533	-0.12798E-03-0.14809E-04	
276	-323.23	-556.49	17.759	17.759	27.533	27.533	-0.14530E-03-0.19531E-04	
277	-556.49	-789.74	17.759	17.759	27.533	27.533	-0.16855E-03-0.22230E-04	
278	-789.74	-1023.0	17.759	17.759	27.533	27.533	-0.20087E-03-0.21833E-04	
279	-606.87	-438.11	-12.849	-12.849	28.978	28.978	-0.24362E-03-0.18150E-04	
280	-438.11	-269.35	-12.849	-12.849	28.978	28.978	-0.29443E-03-0.11990E-04	
281	-269.35	-100.59	-12.849	-12.849	28.978	28.978	-0.35002E-03-0.42031E-05	
282	416.12	351.33	8.5006	8.5006	29.439	29.439	0.21657E-03-0.33692E-04	
283	351.33	286.54	8.5006	8.5006	29.439	29.439	0.21034E-03-0.60466E-04	
284	286.54	221.75	8.5006	8.5006	29.439	29.439	0.20412E-03-0.88768E-04	
285	221.75	156.96	8.5006	8.5006	29.439	29.439	0.19790E-03-0.11829E-03	
286	156.96	92.165	8.5006	8.5006	29.439	29.439	0.19168E-03-0.14871E-03	
287	92.165	27.373	8.5006	8.5006	29.439	29.439	0.18546E-03-0.17974E-03	

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT ELEM	CURRENT MI	CURRENT MJ	CURRENT NI	CURRENT NJ	CURRENT TI	CURRENT TJ	CURRENT UX	CURRENT UY
288	27.373	-37.419	8.5006	8.5006	29.439	29.439	0.17924E-03-0.21105E-03	
289	-37.419	-102.21	8.5006	8.5006	29.439	29.439	0.17302E-03-0.24233E-03	
290	-102.21	-167.00	8.5006	8.5006	29.439	29.439	0.16679E-03-0.27328E-03	

291	-167.00	-231.79	8.5006	8.5006	29.439	29.439	0.16057E-03-0.30359E-03
292	-231.79	-296.59	8.5006	8.5006	29.439	29.439	0.15435E-03-0.33294E-03
293	-296.59	-361.38	8.5006	8.5006	29.439	29.439	0.14813E-03-0.36103E-03
294	-361.38	-426.17	8.5006	8.5006	29.439	29.439	0.14190E-03-0.38753E-03
295	-426.17	-490.96	8.5006	8.5006	29.439	29.439	0.13568E-03-0.41216E-03
296	-490.96	-555.75	8.5006	8.5006	29.439	29.439	0.12945E-03-0.43458E-03
297	-555.75	-620.55	8.5006	8.5006	29.439	29.439	0.12322E-03-0.45450E-03
298	-416.12	-351.33	-8.5006	-8.5006	29.439	29.439	-0.21657E-03-0.33692E-04
299	-351.33	-286.54	-8.5006	-8.5006	29.439	29.439	-0.21034E-03-0.60466E-04
300	-286.54	-221.75	-8.5006	-8.5006	29.439	29.439	-0.20412E-03-0.88768E-04
301	-221.75	-156.96	-8.5006	-8.5006	29.439	29.439	-0.19790E-03-0.11829E-03
302	-156.96	-92.165	-8.5006	-8.5006	29.439	29.439	-0.19168E-03-0.14871E-03
303	-92.165	-27.373	-8.5006	-8.5006	29.439	29.439	-0.18546E-03-0.17974E-03
304	-27.373	37.419	-8.5006	-8.5006	29.439	29.439	-0.17924E-03-0.21105E-03
305	37.419	102.21	-8.5006	-8.5006	29.439	29.439	-0.17302E-03-0.24233E-03
306	102.21	167.00	-8.5006	-8.5006	29.439	29.439	-0.16679E-03-0.27328E-03
307	167.00	231.79	-8.5006	-8.5006	29.439	29.439	-0.16057E-03-0.30359E-03
308	231.79	296.59	-8.5006	-8.5006	29.439	29.439	-0.15435E-03-0.33294E-03
309	296.59	361.38	-8.5006	-8.5006	29.439	29.439	-0.14813E-03-0.36103E-03
310	361.38	426.17	-8.5006	-8.5006	29.439	29.439	-0.14190E-03-0.38753E-03
311	426.17	490.96	-8.5006	-8.5006	29.439	29.439	-0.13568E-03-0.41216E-03
312	490.96	555.75	-8.5006	-8.5006	29.439	29.439	-0.12945E-03-0.43458E-03
313	555.75	620.55	-8.5006	-8.5006	29.439	29.439	-0.12322E-03-0.45450E-03
314	-1113.3	-967.81	-7.9512	-7.9512	-126.55	-126.55	-0.46368E-03-0.82310E-03
315	-967.81	-822.28	-7.9512	-7.9512	-126.55	-126.55	-0.35469E-03-0.70072E-03
316	-822.28	-676.75	-7.9512	-7.9512	-126.55	-126.55	-0.26807E-03-0.58885E-03
317	-676.75	-531.21	-7.9512	-7.9512	-126.55	-126.55	-0.20021E-03-0.48576E-03
318	-531.21	-385.68	-7.9512	-7.9512	-126.55	-126.55	-0.14745E-03-0.38977E-03
319	-385.68	-240.15	-7.9512	-7.9512	-126.55	-126.55	-0.10616E-03-0.29915E-03
320	-240.15	-94.620	-7.9512	-7.9512	-126.55	-126.55	-0.72694E-04-0.21221E-03
321	-94.620	50.911	-7.9512	-7.9512	-126.55	-126.55	-0.43416E-04-0.12723E-03
322	50.911	196.44	-7.9512	-7.9512	-126.55	-126.55	-0.14684E-04-0.42510E-04
323	1113.3	967.81	7.9512	7.9512	-126.55	-126.55	0.46368E-03-0.82310E-03
324	967.81	822.28	7.9512	7.9512	-126.55	-126.55	0.35469E-03-0.70072E-03
325	822.28	676.75	7.9512	7.9512	-126.55	-126.55	0.26807E-03-0.58885E-03
326	676.75	531.21	7.9512	7.9512	-126.55	-126.55	0.20021E-03-0.48576E-03
327	531.21	385.68	7.9512	7.9512	-126.55	-126.55	0.14745E-03-0.38977E-03
328	385.68	240.15	7.9512	7.9512	-126.55	-126.55	0.10616E-03-0.29915E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT
ELEM	MI	MJ	NI	NJ	TI	TJ	UX	UY
329	240.15	94.620	7.9512	7.9512	-126.55	-126.55	0.72694E-04-0.21221E-03	
330	94.620	-50.911	7.9512	7.9512	-126.55	-126.55	0.43416E-04-0.12723E-03	
331	-50.911	-196.44	7.9512	7.9512	-126.55	-126.55	0.14684E-04-0.42510E-04	
332	652.11	652.11	0.22655E-11	0.22655E-11	-103.68	-103.68	0.48391E-03-0.10130E-02	
333	652.11	652.11	0.27367E-11	0.27367E-11	-103.68	-103.68	0.40326E-03-0.12439E-02	
334	652.11	652.11	0.13074E-11	0.13074E-11	-103.68	-103.68	0.32261E-03-0.14327E-02	
335	652.11	652.11	0.79581E-12	0.79581E-12	-103.68	-103.68	0.24195E-03-0.15796E-02	
336	652.11	652.11	0.56843E-12	0.56843E-12	-103.68	-103.68	0.16130E-03-0.16846E-02	
337	652.11	652.11	0.16627E-11	0.16627E-11	-103.68	-103.68	0.80651E-04-0.17475E-02	
338	652.11	652.11	0.17195E-11	0.17195E-11	-103.68	-103.68	0.36942E-15-0.17685E-02	
339	652.11	652.11	0.61675E-11	0.61675E-11	-103.68	-103.68	-0.80651E-04-0.17475E-02	
340	652.11	652.11	0.28422E-11	0.28422E-11	-103.68	-103.68	-0.16130E-03-0.16846E-02	
341	652.11	652.11	0.26716E-11	0.26716E-11	-103.68	-103.68	-0.24195E-03-0.15796E-02	
342	652.11	652.11	0.34106E-11	0.34106E-11	-103.68	-103.68	-0.32261E-03-0.14327E-02	
343	652.11	652.11	0.28422E-11	0.28422E-11	-103.68	-103.68	-0.40326E-03-0.12439E-02	
344	652.11	652.11	0.27285E-11	0.27285E-11	-103.68	-103.68	-0.48391E-03-0.10130E-02	
345	-1391.3	-958.96	-51.185	-51.185	24.232	24.232	-0.69050E-03-0.12058E-02	
346	-958.96	-526.64	-51.185	-51.185	24.232	24.232	-0.72809E-03-0.12101E-02	
347	-526.64	-94.318	-51.185	-51.185	24.232	24.232	-0.76145E-03-0.12132E-02	
348	-94.318	338.00	-51.185	-51.185	24.232	24.232	-0.79306E-03-0.12159E-02	
349	338.00	770.33	-51.185	-51.185	24.232	24.232	-0.82535E-03-0.12187E-02	
350	770.33	1202.6	-51.185	-51.185	24.232	24.232	-0.86079E-03-0.12224E-02	
351	1202.6	1635.0	-51.185	-51.185	24.232	24.232	-0.90184E-03-0.12276E-02	
352	1635.0	2067.3	-51.185	-51.185	24.232	24.232	-0.95094E-03-0.12350E-02	
353	38.549	115.81	-9.1472	-9.1472	49.808	49.808	0.64773E-03-0.12033E-02	

354	115.81	193.07	-9.1472	-9.1472	49.808	49.808	0.60282E-03-0.12033E-02
355	193.07	270.33	-9.1472	-9.1472	49.808	49.808	0.55879E-03-0.12035E-02
356	270.33	347.58	-9.1472	-9.1472	49.808	49.808	0.51608E-03-0.12041E-02
357	347.58	424.84	-9.1472	-9.1472	49.808	49.808	0.47511E-03-0.12051E-02
358	424.84	502.10	-9.1472	-9.1472	49.808	49.808	0.43635E-03-0.12068E-02
359	502.10	579.36	-9.1472	-9.1472	49.808	49.808	0.40021E-03-0.12091E-02
360	579.36	656.62	-9.1472	-9.1472	49.808	49.808	0.36715E-03-0.12123E-02
361	1429.8	909.57	20.331	20.331	-167.68	-167.68	-0.62717E-03-0.11102E-02
362	909.57	389.30	20.331	20.331	-167.68	-167.68	-0.51944E-03-0.91195E-03
363	389.30	-130.96	20.331	20.331	-167.68	-167.68	-0.38118E-03-0.69637E-03
364	-130.96	-651.23	20.331	20.331	-167.68	-167.68	-0.23685E-03-0.47736E-03
365	-651.23	-1171.5	20.331	20.331	-167.68	-167.68	-0.11091E-03-0.26875E-03
366	-1171.5	-1691.8	20.331	20.331	-167.68	-167.68	-0.27793E-04-0.84387E-04
367	-1429.8	-909.57	-20.331	-20.331	-167.68	-167.68	0.62717E-03-0.11102E-02
368	-909.57	-389.30	-20.331	-20.331	-167.68	-167.68	0.51944E-03-0.91195E-03
369	-389.30	130.96	-20.331	-20.331	-167.68	-167.68	0.38118E-03-0.69637E-03

\*\*\*\*\* POST1 ELEMENT TABLE LISTING \*\*\*\*\*

STAT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT	CURRENT
ELEM	MI	MJ	NI	NJ	TI	TJ	UX	UY
370	130.96	651.23	-20.331	-20.331	-167.68	-167.68	0.23685E-03-0.47736E-03	
371	651.23	1171.5	-20.331	-20.331	-167.68	-167.68	0.11091E-03-0.26875E-03	
372	1171.5	1691.8	-20.331	-20.331	-167.68	-167.68	0.27793E-04-0.84387E-04	

MINIMUM VALUES

ELEM	197	94	199	199	362	362	91	338
VALUE	-2951.8	-1765.4	-85.911	-85.911	-167.68	-167.68	-0.10435E-02-0.17685E-02	

MAXIMUM VALUES

ELEM	92	352	94	94	124	124	135	106
VALUE	2951.8	2067.3	85.911	85.911	93.180	93.180	0.10435E-02 0.17524E-03	

## 2.5 Taules resum

Llista de resultats de valors màxims i mínims del primer i el segon assaig sobre la geometria del prototip amb perfil de tub de 19.9mm amb 1mm de pared:

**Taula 30:** *Extracte de resultats del assaig a propulsió*

MINIMUM VALUES								
	MI	MJ	TI	TJ	NI	NJ	UX	UY
ELEM	1	113	195	195	55	55	177	267
VALUE	-1849	-1797	-121.1	-121.1	-200.1	-200.1	-0.6E-02	-0.7E-02
MAXIMUM VALUES								
ELEM	178	94	202	202	127	127	100	21
VALUE	1849	1758.6	121.11	121.11	191.68	191.68	0.616E-02	0.104E-02

**Taula 31:** *Extracte de resultats del assaig a tracció*

MINIMUM VALUES								
	MI	MJ	TI	TJ	NI	NJ	UX	UY
ELEM	197	215	200	200	136	135	128	266
VALUE	-2842	-3013	-93.95	-93.9	-176.8	-176.8	-0.42E-02	-0.45E-02
MAXIMUM VALUES								
ELEM	28	318	96	96	167	167	216	163
VALUE	3721	3721.0	93.953	93.953	183.41	183.41	0.425E-02	0.425E-02

Sent les unitats analitzades:

M -> Moments flectors en N.m

T -> Esforços tallants en N

N -> Esforços normals o axils en N

U -> Moments torçors en N.m

Llista de resultats de valors màxims i mínims del primer i el segon assaig sobre el prototip amb les modificacions:

**Taula 32:** *Extracte de resultats del assaig a propulsió*

MINIMUM VALUES								
	MI	MJ	TI	TJ	NI	NJ	UX	UY
ELEM	197	366	362	362	199	199	91	338
VALUE	-2741	-1819	-160.6	-160.6	-72.63	-72.63	-0.79E-03	-0.14E-02
MAXIMUM VALUES								
ELEM	92	372	136	136	93	93	135	106
VALUE	2741	1819	104.35	104.35	72.63	72.63	0.79E-03	0.124E-03

**Taula 33:** *Extracte de resultats del assaig a tracció*

MINIMUM VALUES								
	MI	MJ	TI	TJ	NI	NJ	UX	UY
ELEM	197	94	199	199	362	362	91	338
VALUE	-2951	-1765	-85.9	-85.9	-167.8	-167.8	-0.10E-02	-0.17E-02
MAXIMUM VALUES								
ELEM	92	352	94	94	124	124	135	106
VALUE	2951	2067	85.91	85.91	93.18	93.18	0.10E-02	0.175E-02

Sent les unitats analitzades:

M -> Moments flectors en N.m

T -> Esforços tallants en N

N -> Esforços normals o axils en N

U -> Moments torçors en N.m



# **CAPÍTOL 3: MANUAL**

## **ANSYS® “CAPITULO 5”**

El programa emprat en l'estudi i optimització de l'estructura tubular ha estat principalment l'ANSYS®. Aquest programa disposa d'una gran quantitat d'aplicacions en el món de l'enginyeria. En el nostre cas, s'ha usat la seva potent base de càlcul per analitzar l'estructura creada des de un punt de vista mecànic.

S'ha cregut convenient afegir un extracte de la llibreria que porta incorporada el programa ANSYS®, concretament el capítol 5. En aquest capítol esta explicat de quina manera i en quines equacions matemàtiques es basa el programa per realitzar els càlculs.