



19	20	21	22	23	24	25	26	27	28	29
30										
Element	Section		Mass density			Young			Shear	
6	3.45e-02		7860			2.10e11			8.1e010	
Inertia										
3.139e-03	2.7e-03	2.7e-03								
Nodal coordinate										
-6.0	-6.0	-5.0								
6.625	7.95	1.0								
-0.7875	-0.525	-0.5								
DoF number (constrained=0)										
25	26	27	28	29	30	31	32	33	34	35
36										
Element	Section		Mass density			Young			Shear	
7	3.45e-02		7860			2.10e11			8.1e010	
Inertia										
3.139e-03	2.7e-03	2.7e-03								
Nodal coordinate										
-6.0	-6.0	-5.0								
7.95	9.275	1.0								
-0.525	-0.2625	-0.5								
DoF number (constrained=0)										
31	32	33	34	35	36	37	38	39	40	41
42										
Element	Section		Mass density			Young			Shear	
8	3.45e-02		7860			2.10e11			8.1e010	
Inertia										
3.139e-03	2.7e-03	2.7e-03								
Nodal coordinate										
-6.0	-6.0	-5.0								
9.275	10.6	1.0								
-0.2625	0.0	-0.5								
DoF number (constrained=0)										
37	38	39	40	41	42	85	86	87	88	89
90										
Element	Section		Mass density			Young			Shear	
9	3.45e-02		7860			2.10e11			8.1e010	
Inertia										
3.139e-03	2.7e-03	2.7e-03								
Nodal coordinate										
-6.0	-6.0	-5.0								
10.6	9.275	1.0								
0.0	0.2625	0.5								
DoF number (constrained=0)										
85	86	87	88	89	90	43	44	45	46	47
48										
Element	Section		Mass density			Young			Shear	
10	3.45e-02		7860			2.10e11			8.1e010	
Inertia										
3.139e-03	2.7e-03	2.7e-03								
Nodal coordinate										
-6.0	-6.0	-5.0								
9.275	7.95	1.0								
0.2625	0.525	0.5								
DoF number (constrained=0)										
43	44	45	46	47	48	49	50	51	52	53
54										
Element	Section		Mass density			Young			Shear	
11	3.45e-02		7860			2.10e11			8.1e010	
Inertia										

```

3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
7.95      6.625     1.0
0.525     0.7875    0.5
DoF number (constrained=0)
49   50   51   52   53   54   55   56   57   58   59
60
Element      Section      Mass density      Young      Shear
12           3.45e-02      7860             2.10e11    8.1e010
Inertia
3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
6.625     5.3       1.0
0.7875    1.05     0.5
DoF number (constrained=0)
55   56   57   58   59   60   61   62   63   64   65
66
Element      Section      Mass density      Young      Shear
13           3.45e-02      7860             2.10e11    8.1e010
Inertia
3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
5.3       3.975     1.0
1.05     1.3125    0.5
DoF number (constrained=0)
61   62   63   64   65   66   67   68   69   70   71
72
Element      Section      Mass density      Young      Shear
14           3.45e-02      7860             2.10e11    8.1e010
Inertia
3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
3.975     2.65     1.0
1.3125    1.575    0.5
DoF number (constrained=0)
67   68   69   70   71   72   73   74   75   76   77
78
Element      Section      Mass density      Young      Shear
15           3.45e-02      7860             2.10e11    8.1e010
Inertia
3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
2.65     1.325     1.0
1.575     1.8375    0.5
DoF number (constrained=0)
73   74   75   76   77   78 79   80   81   82   83   84
Element      Section      Mass density      Young      Shear
16           3.45e-02      7860             2.10e11    8.1e010
Inertia
3.139e-03  2.7e-03  2.7e-03
Nodal coordinate
-6.0      -6.0      -5.0
1.325     0.0       1.0
1.8375    2.1       0.5
DoF number (constrained=0)

```

79	80	81	82	83	84	0	0	0	0	0	0
Element	Section	Mass density				Young		Shear			
17	3.45e-02	7860				2.10e11		8.1e010			
Inertia											
3.139e-03	2.7e-03	2.7e-03									
Nodal coordinate											
-6.0	-6.0	-3.0									
5.3	5.3	3.0									
-1.05	1.05	1.0									
DoF number (constrained=0)											
19	20	21	22	23	24	61	62	63	64	65	
66											
Element	Section	Mass density				Young		Shear			
18	3.45e-02	7860				2.10e11		8.1e010			
Inertia											
3.139e-03	2.7e-03	2.7e-03									
Nodal coordinate											
-6.0	-6.0	-3.0									
0.0	0.0	3.0									
-2.1	2.1	1.0									
DoF number (constrained=0)											
0	0	0	0	0	0	0	0	0	0	0	
Element	Section	Mass density				Young		Shear			
19	1.516e-02	7860				2.10e11		8.1e010			
Inertia											
8.741e-04	1.76e-05	1.76e-05									
Nodal coordinate											
-6.0	-4.8	-5.0									
10.6	10.6	5.0									
0	0	1.0									
DoF number (constrained=0)											
85	86	87	88	89	90	91	92	93	94	95	
96											
Element	Section	Mass density				Young		Shear			
20	1.516e-02	7860					2.10e11				
8.1e010											
Inertia											
8.741e-04	1.76e-05	1.76e-05									
Nodal coordinate											
-4.8	-3.6	-5.0									
10.6	10.6	5.0									
0.0	0.0	1.0									
DoF number (constrained=0)											
91	92	93	94	95	96	97	98	99	100	101	
102											
Element	Section	Mass density				Young		Shear			
21	1.516e-02	7860				2.10e11		8.1e010			
Inertia											
8.741e-04	1.76e-05	1.76e-05									
Nodal coordinate											
-3.6	-2.4	-5.0									
10.6	10.6	5.0									
0.0	0.0	1.0									
DoF number (constrained=0)											
97	98	99	100	101	102	103	104	105	106	107	
108											
Element	Section	Mass density				Young		Shear			
22	1.516e-02	7860					2.10e11				
8.1e010											
Inertia											

```

8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
-2.4 -1.2 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
103 104 105 106 107 108 109 110 111 112 113
114
Element Section Mass density Young Shear
23 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
-1.2 0.0 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
109 110 111 112 113 114 115 116 117 118
119 120
Element Section Mass density Young Shear
24 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
0.0 1.2 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
115 116 117 118 119 120 121 122 123 124
125 126
Element Section Mass density Young Shear
25 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
1.2 2.4 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
121 122 123 124 125 126 127 128 129 130
131 132
Element Section Mass density Young Shear
26 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
2.4 3.6 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
127 128 129 130 131 132 133 134 135 136
137 138
Element Section Mass density Young Shear
27 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
3.6 4.8 -5.0
10.6 10.6 5.0
0.0 0.0 1.0

```

```

DoF number (constrained=0)
133 134 135 136 137 138 139 140 141 142
143 144
Element Section Mass density Young Shear
28 1.516e-02 7860 2.10e11 8.1e010
Inertia
8.741e-04 1.76e-05 1.76e-05
Nodal coordinate
4.8 6.0 -5.0
10.6 10.6 5.0
0.0 0.0 1.0
DoF number (constrained=0)
139 140 141 142 143 144 145 146 147 148
149 150
Element Section Mass density Young Shear
29 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
0.0 1.325 1.0
-2.1 -1.8375 0.5
DoF number (constrained=0)
0 0 0 0 0 0 151 152 153 154 155 156
Element Section Mass density Young Shear
30 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
1.325 2.65 1.0
-1.8375 -1.575 -0.5
DoF number (constrained=0)
151 152 153 154 155 156 157 158 159 160
161 162
Element Section Mass density Young Shear
31 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
2.65 3.975 1.0
-1.575 -1.3125 -0.5
DoF number (constrained=0)
157 158 159 160 161 162 163 164 165 166
167 168
Element Section Mass density Young Shear
32 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
3.975 5.3 1.0
-1.3125 -1.05 -0.5
DoF number (constrained=0)
163 164 165 166 167 168 169 170 171 172
173 174
Element Section Mass density Young Shear
33 3.45e-02 7860 2.10e11 8.1e010
Inertia

```

```

3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
5.3      6.625   1.0
-1.05    -0.7875   -0.5
DoF number (constrained=0)
169      170      171      172      173      174      175      176      177      178
179      180
Element   Section   Mass density   Young   Shear
34        3.45e-02   7860          2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
6.625    7.95     1.0
-0.7875  -0.525   -0.5
DoF number (constrained=0)
175      176      177      178      179      180      181      182      183      184
185      186
Element   Section   Mass density   Young   Shear
35        3.45e-02   7860          2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
7.95     9.275    1.0
-0.525   -0.2625  -0.5
DoF number (constrained=0)
181      182      183      184      185      186      187      188      189      190
191      192
Element   Section   Mass density   Young   Shear
36        3.45e-02   7860          2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
9.275    10.6     1.0
-0.2625  0.0      -0.5
DoF number (constrained=0)
187      188      189      190      191      192      145      146      147      148
149      150
Element   Section   Mass density   Young   Shear
37        3.45e-02   7860          2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
10.6     9.275    1.0
0.0      0.2625   0.5
DoF number (constrained=0)
145      146      147      148      149      150      193      194      195      196
197      198
Element   Section   Mass density   Young   Shear
38        3.45e-02   7860          2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
9.275    7.95     1.0
0.2625   0.525    0.5

```

```

DoF number (constrained=0)
193 194 195 196 197 198 199 200 201 202
203 204
Element Section Mass density Young Shear
39 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
7.95 6.625 1.0
0.525 0.7875 0.5
DoF number (constrained=0)
199 200 201 202 203 204 205 206 207 208
209 210
Element Section Mass density Young Shear
40 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
6.625 5.3 1.0
0.7875 1.05 0.5
DoF number (constrained=0)
205 206 207 208 209 210 211 212 213 214
215 216
Element Section Mass density Young Shear
41 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
5.3 3.975 1.0
1.05 1.3125 0.5
DoF number (constrained=0)
211 212 213 214 215 216 217 218 219 220
221 222
Element Section Mass density Young Shear
42 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
3.975 2.65 1.0
1.3125 1.575 0.5
DoF number (constrained=0)
217 218 219 220 221 222 223 224 225 226
227 228
Element Section Mass density Young Shear
43 3.45e-02 7860 2.10e11 8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0 6.0 5.0
2.65 1.325 1.0
1.575 1.8375 0.5
DoF number (constrained=0)
223 224 225 226 227 228 229 230 231 232
233 234
Element Section Mass density Young Shear
44 3.45e-02 7860 2.10e11 8.1e010

```



```

Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      5.0
1.325    0.0      1.0
1.8375   2.1      0.5
DoF number (constrained=0)
229  230  231  232  233  234  0  0  0  0  0  0
Element  Section  Mass density  Young  Shear
45      3.45e-02  7860  2.10e11  8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      3.0
5.3      5.3      3.0
-1.05    1.05     1.0
DoF number (constrained=0)
169  170  171  172  173  174  211  212  213  214
215  216
Element  Section  Mass density  Young  Shear
46      3.45e-02  7860  2.10e11  8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      6.0      3.0
0.0      0.0      3.0
-2.1     2.1      1.0
DoF number (constrained=0)
0  0  0  0  0  0  0  0  0  0
Element  Section  Mass density  Young  Shear
47      3.45e-02  7860  2.10e11  8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
-6.0    -5.4    -5.0
0.0     5.3     1.0
-2.1    -1.05  -0.5
DoF number (constrained=0)
0  0  0  0  0  0  235  236  237  238  239
240
Element  Section  Mass density  Young  Shear
48      3.45e-02  7860  2.10e11  8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
-5.4    -4.8    -5.0
5.3     10.6    1.0
-1.05   0.0     -0.5
DoF number (constrained=0)
235  236  237  238  239  240  91  92  93  94  95
96
Element  Section  Mass density  Young  Shear
49      3.45e-02  7860  2.10e11  8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
-6.0    -5.4    -5.0
5.3     5.3     1.0
-1.05   1.05    -0.5
DoF number (constrained=0)

```

19	20	21	22	23	24	235	236	237	238	239
240										
Element	Section		Mass density			Young		Shear		
50	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							
Nodal coordinate										
-6.0	-5.4		-5.0							
0.0	5.3		1.0							
2.1	1.05		0.5							
DoF number (constrained=0)										
0	0	0	0	0	241	242	243	244	245	246
Element	Section		Mass density			Young		Shear		
51	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							
Nodal coordinate										
-5.4	-4.8		-5.0							
5.3	10.6		1.0							
1.05	0.0		0.5							
DoF number (constrained=0)										
241	242	243	244	245	246	91	92	93	94	95
96										
Element	Section		Mass density			Young		Shear		
52	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							
Nodal coordinate										
-6.0	-5.4		-5.0							
5.3	5.3		1.0							
1.05	1.05		0.5							
DoF number (constrained=0)										
61	62	63	64	65	66	241	242	243	244	245
246										
Element	Section		Mass density			Young		Shear		
53	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							
Nodal coordinate										
6.0	5.4		5.0							
0.0	5.3		1.0							
-2.1	-1.05		-0.5							
DoF number (constrained=0)										
0	0	0	0	0	0	247	248	249	250	251
252										
Element	Section		Mass density			Young		Shear		
54	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							
Nodal coordinate										
5.4	4.8		5.0							
5.3	10.6		1.0							
-1.05	0.0		-0.5							
DoF number (constrained=0)										
247	248	249	250	251	252	139	140	141	142	
143	144									
Element	Section		Mass density			Young		Shear		
55	3.45e-02		7860			2.10e11		8.1e010		
Inertia										
3.139e-03	2.7e-03		2.7e-03							

```

Nodal coordinate
6.0      5.4      5.0
5.3      5.3      1.0
-1.05    -1.05    -0.5
DoF number (constrained=0)
169      170      171      172      173      174      247      248      249      250
251      252
Element   Section   Mass density   Young      Shear
56        3.45e-02   7860          2.10e11   8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      5.4      5.0
0.0      5.3      1.0
2.1      1.05     0.5
DoF number (constrained=0)
0        0        0        0        0        253      254      255      256      257      258
Element   Section   Mass density   Young      Shear
57        3.45e-02   7860          2.10e11   8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
5.4      4.8      5.0
5.3      10.6     1.0
1.05     0.0      0.5
DoF number (constrained=0)
253      254      255      256      257      258      139      140      141      142
143      144
Element   Section   Mass density   Young      Shear
58        3.45e-02   7860          2.10e11   8.1e010
Inertia
3.139e-03 2.7e-03 2.7e-03
Nodal coordinate
6.0      5.4      5.0
5.3      5.3      1.0
1.05     1.05     0.5
DoF number (constrained=0)
211      212      213      214      215      216      253      254      255      256
257      258
Additional mass
3
Coord    Mass
115      1250.0
116      1250.0
117      1250.0
Additional stiffness
2
Coord   Coord   Stiffness
0       0       0.0
0       0       0.0
Number of excited nodes
3
Dofk    Exciting forces
0       0
0       0
0       0
Number of initiated coordinate (no =0)
0
Coord   initial disp initial vel (no=0)
0       0       0

```