



olumn1							

GEOMETRY							

lodal Coordinates:							
Node No X - Y - Z)							
IODES =							
1.00000 0.00000 0.00000							
2.00000 0.00000 12.00000							
3.00000 0.00000 27.00000							
4.00000 0.00000 42.00000							
5.00000 0.00000 54.00000							
6.00000 80.50000 12.14000							
7.00000 80.50000 42.14000							

						1.0	
					= Restrai	ned, 0 =	Free
(Node N	l0	Tx -	- Ту	- Rz)			
BOUND	S =						
1 1 :							
6 1 3							
7 1 3	1 1						
Element	: Inf	orm	atic	n:			
(Ele No.	- iN	lode	- jN	lode -	- Membe	r Type	- E - A - I)
ELES =							
1	1		2	0	29000	9999	999999
2	2		3		29000		999999
3	3		4		29000		999999
4	4		5		29000		999999
5	4		7		29000	5	50
6	4		6		29000	5	50
7	2		7		29000	5	50
			•	_	23000		
Load Inf	orn						
				N 4 - \			
(Node N	10	FX -	- гу	- IVIZ)			
LOADC							
LOADS =	-						
			400				
1	0	0	100	10			
plotFile	=,	//1	. Οι	JTPU	Γ/Analysi	s1Stiffr	ess.png
ans =							
-8.050	0 8	38.5	500	-21.	3000 75	3000	
*****	k**:	***	****	****	*****	*****	*****

ANALYSIS					
	******	******			
cff =					
Columns 1 thro	ugh 5:				
	00000 120833			33328500.00000	
1208332125.0					-103111008.0000
0.00000		43495863.40			
4833328500.0		565.00000			773332560.0000
0.00000	-103111008.0			60.00000 20622	
0.00000	0.00000	-19331400.000			
0.00000	-773332560.0				0.00000
0.00000	0.00000	0.00000		-103111008.0000	0
0.00000	0.00000	0.00000	0.00000	0.00000	
0.00000	0.00000	0.00000	0.00000	-773332560.0000	0
0.00000	0.00000	0.00000	0.00000	0.00000	
0.00000	0.00000	0.00000	0.00000	0.00000	
0.00000	0.00000	0.00000	0.00000	0.00000	
0.00000	0.00000	0.00000	0.00000	0.00000	
	-773332560.0				0
-19331400.00	0.00	0.000	0.000	0.00000	
0.00000	3866662800.0	0.00	0.00	0.000	0
0.00000	0.00000	-103111008.00	0.00	000 -773332560	.00000
38662800.00	0.00	0.000	00 -19331400	0.00000 0.0	0000
0.00000	15466651200.	00000 773332	560.00000	0.00000 3866	662800.00000
0.00000	773332560.0		32.11009 -		99565.00000
-19331400.00	0.00	0000 -545.30	0566 434958	68.64451 0	.00000
0.00000	3866662800.0	0000 -4349995	65.00000	0.00000 17399	982600.00000
0.00000	0.00000	-201388687.50	0.00	000 1208332125	0.00000
0.00000	0.00000	0.00000	-24164250.000	0.00000	
0.00000	0.00000	-1208332125.00	0.00	0000 483332850	0.0000
Columns 11 thr	ough 13:				
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			
0.00000 0.00000	0.00000	0.00000 0.00000			

0.00000	-24164250.00000	0.00000						
1208332125.0	0.0000	4833328500.00000						
201388687.50	0.00000	1208332125.00000						
0.00000 24164250.00000 0.00000								
1208332125.0	0.0000	9666657000.00000						
Number of dof: 13								
Number of loads: 1								
LOADS =								
1 0 0 1	000							
deg = 1								
P =								
1000								
0								
0								
0								
0								
0								
0								
0								
0								
0								
0								
0								
0								
uf =								
0.00016683256)							
-0.00199976541								
-0.00000011201	L							
0.00016648313	•							
-0.00449478527	7							
-0.00000030910)							
0.00016621588	3							
-0.00698713262								
-0.0000050619								
0.00016612680								
-0.00898065417								
-0.0000050619								
0.00016612680								
********	*******	*****						
Post Process								

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************
Nodal Displacements:
(Node No. - Tx - Ty - Rz)
NodalDisp =
 1.00000 0.00000 0.00000 0.00017
 2.00000 -0.00200 -0.00000 0.00017
 3.00000 -0.00449 -0.00000 0.00017
 4.00000 -0.00699 -0.00000 0.00017
 5.00000 -0.00898 -0.00000 0.00017
 6.00000 0.00000 0.00000 0.00000
 7.00000 0.00000 0.00000 0.00000
Global Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
GlobalForces =
  1.00000 -25.92407 2.70675 1000.00000 25.92407 -2.70675 -688.91114
  2.00000 -22.96370 3.81001 688.91114 22.96370 -3.81001 -344.45557
  3.00000 -22.96370 3.81001 344.45557 22.96370 -3.81001 0.00000
  4.00000 0.00000
                   0.00000 -0.00000 -0.00000 0.00000 -0.00000
  5.00000 -12.58546 -0.02179 0.00000 12.58546 0.02179 0.00782
  6.00000 -10.37824
                   3.83180
                             0.00000
                                     10.37824 -3.83180 -1.43416
  7.00000 -2.96037 -1.10326
                                                      0.41276
                             0.00000
                                     2.96037
                                              1.10326
Local Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
LocalForces =
  1.00000 2.70675 25.92407 1000.00000 -2.70675 -25.92407 -688.91114
  2.00000
          3.81001 22.96370 688.91114 -3.81001 -22.96370 -344.45557
  3.00000
          3.81001
                   22.96370 344.45557 -3.81001 -22.96370 0.00000
  4.00000
          0.00000 -0.00000 -0.00000
                                     0.00000
                                              0.00000 -0.00000
  6.00000
         -11.06302
                   -0.01670
                             0.00000
```

7.00000	-3.1592	6 0.0048	30 0.000	00 3.15926	-0.00480	0.41276				
Nodal Suppo	Nodal Support Reactions:									
(Node No	(Node No Fx - Fy - Mz)									
Support =										
1.00000 -	-25.92407	2.70675	0.00000							
2.00000	0.00000	0.00000	0.00000							
3.00000	0.00000	0.00000	0.00000							
4.00000	0.00000	0.00000	0.00000							
5.00000	0.00000	0.00000	0.00000							
6.00000	10.37824	-3.83180	-1.43416							
7.00000	15.54583	1.12505	0.42058							
sumFx = -0.0000000062731										
sumFy = -3.1086e-15										
sumMz = -1.0136										