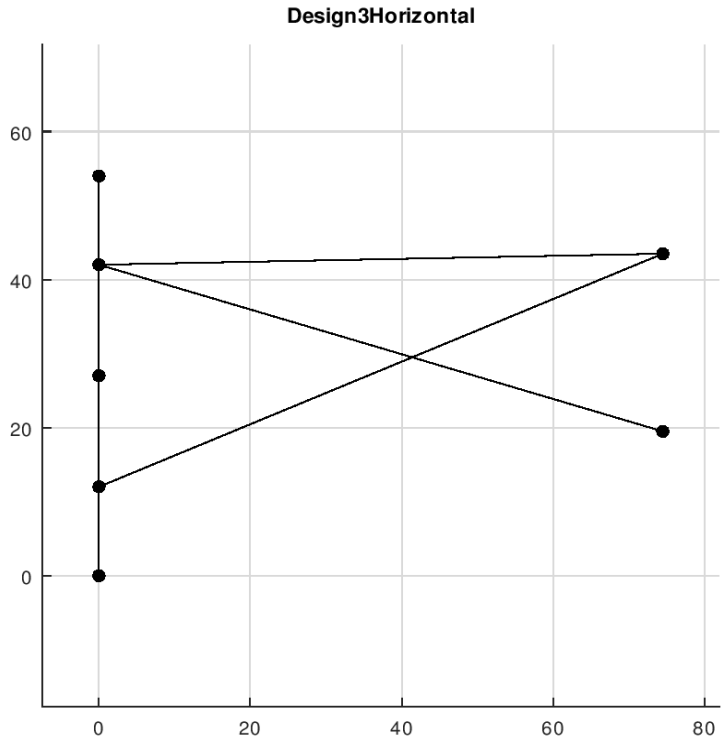

Column1
****
GEOMETRY
****

Nodal Coordinates:
(Node No. - X - Y - Z)

NODES =
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 74.50000 19.49000
7.00000 74.50000 43.49000

Boundary Conditions: 1 = Restrained, 0 = Free

(Node No. - Tx - Ty - Rz)

BOUNDS =

1	0	1	0
6	1	1	1
7	1	1	1

Element Information:

(Ele No. - iNode - jNode - Member Type - E - A - I)

ELES =

1.00000	1.00000	2.00000	0.00000	29000.00000	9999.00000	999999.00000
2.00000	2.00000	3.00000	0.00000	29000.00000	9999.00000	999999.00000
3.00000	3.00000	4.00000	0.00000	29000.00000	9999.00000	999999.00000
4.00000	4.00000	5.00000	0.00000	29000.00000	9999.00000	999999.00000
5.00000	4.00000	7.00000	0.00000	29000.00000	2.00000	2.85000
6.00000	4.00000	6.00000	0.00000	29000.00000	2.00000	2.85000
7.00000	2.00000	7.00000	0.00000	29000.00000	2.00000	2.85000

Load Information:

(Node No. - Fx - Fy - Mz)

LOADS =

3	8	0	0

---

plotFile = ../../1. OUTPUT/Design3Horizontal.png

ans =

-7.4500 81.9500 -17.7000 71.7000

****

ANALYSIS

****

kff =

Columns 1 through 5:

201388687.50000	-1208332125.00000	-201388687.50000	0.00000	-1208332125.00000
-1208332125.00000	9666657000.00000	1208332125.00000	0.00000	4833328500.00000
-201388687.50000	1208332125.00000	304500304.18197	256.48818	434999535.48696
0.00000	0.00000	256.48818	43495760.28803	69.82284
-1208332125.00000	4833328500.00000	434999535.48696	69.82284	17399986687.44471
0.00000	0.00000	-103111008.00000	0.00000	773332560.00000
0.00000	0.00000	0.00000	-19331400.00000	0.00000
0.00000	0.00000	-773332560.00000	0.00000	3866662800.00000
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	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000

Columns 6 through 10:

0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000
-103111008.00000	0.00000	-773332560.00000	0.00000	0.00000
0.00000	-19331400.00000	0.00000	0.00000	0.00000
773332560.00000	0.00000	3866662800.00000	0.00000	0.00000
206222016.00000	0.00000	0.00000	-103111008.00000	0.00000
0.00000	38662800.00000	0.00000	0.00000	-19331400.00000
0.00000	0.00000	15466651200.00000	773332560.00000	0.00000
-103111008.00000	0.00000	773332560.00000	304501156.63740	-190.24204
0.00000	-19331400.00000	0.00000	-190.24204	43495716.97987
-773332560.00000	0.00000	3866662800.00000	-434999543.10550	167.66727
0.00000	0.00000	0.00000	-201388687.50000	0.00000
0.00000	0.00000	0.00000	0.00000	-24164250.00000
0.00000	0.00000	0.00000	-1208332125.00000	0.00000

Columns 11 through 14:

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
-773332560.00000	0.00000	0.00000	0.00000

0.00000 0.00000 0.00000 0.00000
3866662800.00000 0.00000 0.00000 0.00000
-434999543.10550 -201388687.50000 0.00000 -1208332125.00000
167.66727 0.00000 -24164250.00000 0.00000
17399991284.61197 1208332125.00000 0.00000 4833328500.00000
1208332125.00000 201388687.50000 0.00000 1208332125.00000
0.00000 0.00000 24164250.00000 0.00000
4833328500.00000 1208332125.00000 0.00000 9666657000.00000
Number of dof: 14
Number of loads: 1
LOADS =
3 8 0 0
deg = 6
deg = 7
deg = 8
P =
0
0
0
0
0
8
0
0
0
0
0
0
0
0
uf =
0.0079892402928
0.0001242814291
0.0064978631432
-0.0000000483925
0.0001242814291
0.0046335638349
-0.0000000222212
0.0001242969216
0.0027689573781
0.0000000039502

0.0001243120374

0.0012772129289

0.0000000039502

0.0001243120374

****

Post Process

****

Nodal Displacements:

(Node No. - Tx - Ty - Rz)

NodalDisp =

1.00000	0.00799	0.00000	0.00012
2.00000	0.00650	-0.00000	0.00012
3.00000	0.00463	-0.00000	0.00012
4.00000	0.00277	0.00000	0.00012
5.00000	0.00128	0.00000	0.00012
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	-0.00000	1.16937	0.00000	0.00000	-1.16937	0.00000
2.00000	-3.95145	-0.50593	-0.31622	3.95145	0.50593	59.58800
3.00000	4.04855	-0.50593	-59.58800	-4.04855	0.50593	-1.14023
4.00000	-0.00000	0.00000	-0.00000	0.00000	0.00000	0.00000
5.00000	2.15419	0.05406	0.54659	-2.15419	-0.05406	0.27082
6.00000	1.89436	-0.55998	0.59364	-1.89436	0.55998	0.32960
7.00000	3.95145	1.67530	0.31622	-3.95145	-1.67530	0.06222

Local Member Forces:

(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)

LocalForces =

1.00000	1.16937	0.00000	0.00000	-1.16937	-0.00000	0.00000
2.00000	-0.50593	3.95145	-0.31622	0.50593	-3.95145	59.58800
3.00000	-0.50593	-4.04855	-59.58800	0.50593	4.04855	-1.14023
4.00000	0.00000	0.00000	-0.00000	0.00000	-0.00000	0.00000
5.00000	2.15484	0.01097	0.54659	-2.15484	-0.01097	0.27082
6.00000	1.97536	0.01186	0.59364	-1.97536	-0.01186	0.32960
7.00000	4.29192	0.00468	0.31622	-4.29192	-0.00468	0.06222

Nodal Support Reactions:

(Node No. - Fx - Fy - Mz)

Support =

1.00000	0.00000	1.16937	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	-1.89436	0.55998	0.32960
7.00000	-6.10564	-1.72935	0.33304

sumFx = -8.0000

sumFy = 4.4409e-16

sumMz = 0.66265
