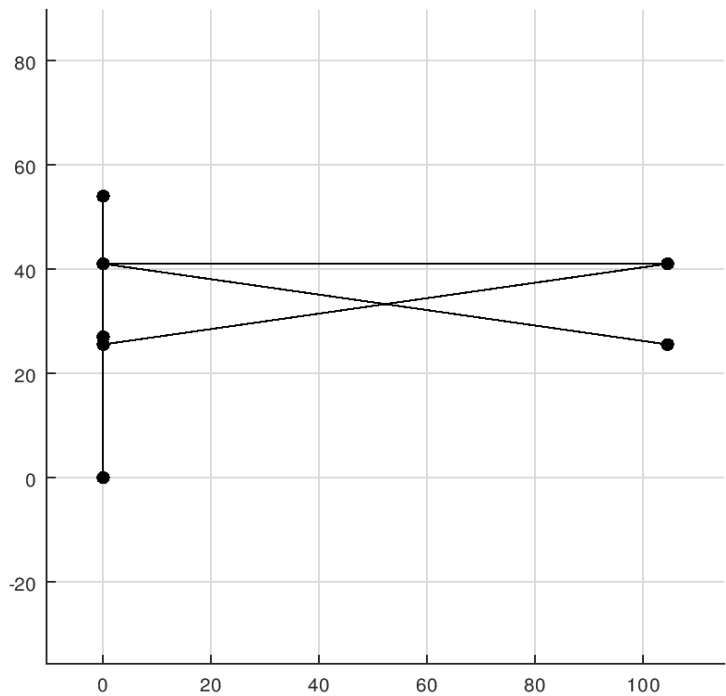


Design4Horizontal



Column1		

GEOMETRY		

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

NODES =		
1.00000	0.00000	0.00000
2.00000	0.00000	25.56000
3.00000	0.00000	27.00000
4.00000	0.00000	41.04000
5.00000	0.00000	54.00000
6.00000	104.50000	25.56000
7.00000	104.50000	41.04000

(Node No. - Tx - Ty - Rz)

1 0 1 0

6 1 1 1

7 1 1 1

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

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

(Node No. - Fx - Fy - Mz)

3.00000	18.90000	0.00000	0.00000
---------	----------	---------	---------

ans =

-10.450 114.950 -35.700 89.700

deg = 8
P =
0.00000
0.00000
0.00000
0.00000
0.00000
18.90000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
uf =
0.07514063142
0.00176819466
0.02994557597
-0.00000021250
0.00176819466
0.02739937520
-0.00000021227
0.00176819550
0.00257385849
-0.00000021002
0.00176819970
-0.02034200957
-0.00000021002
0.00176819970

Post Process

Nodal Displacements:
(Node No. - Tx - Ty - Rz)

NodalDisp =
1.00000 0.07514 0.00000 0.00177

2.00000	0.02995	-0.00000	0.00177
3.00000	0.02740	-0.00000	0.00177
4.00000	0.00257	-0.00000	0.00177
5.00000	-0.02034	-0.00000	0.00177
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	2.41075	0.00000
2.00000	-16.07708	-0.04651	-5.33854
3.00000	2.82292	-0.04651	-28.48954
4.00000	0.00000	0.00000	-0.00000
5.00000	1.42855	0.08030	5.59393
6.00000	1.39437	-0.12680	5.55031
7.00000	16.07708	2.45726	5.33854

Local Member Forces:			
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)			

LocalForces =			
1.00000	2.41075	0.00000	0.00000
2.00000	-0.04651	16.07708	-5.33854
3.00000	-0.04651	-2.82292	-28.48954
4.00000	0.00000	0.00000	-0.00000
5.00000	1.42855	0.08030	5.59393
6.00000	1.39790	0.07889	5.55031
7.00000	16.26361	0.07488	5.33854

Nodal Support Reactions:			
(Node No. - Fx - Fy - Mz)			

Support =			
1.00000	0.00000	2.41075	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	-1.39437	0.12680	2.78353
7.00000	-17.50563	-2.53755	5.36873
sumFx = -18.900			
sumFy = 4.4409e-16			
sumMz = 8.1523			

0000e+00
0000e+00
0000e+00
0000e+00
0000e+00
2574e+08
0000e+00
3270e+08
3561e+08
9462e+01
5325e+08
5987e+08
0000e+00
0360e+09