

David Luby

ME 786

HW 6

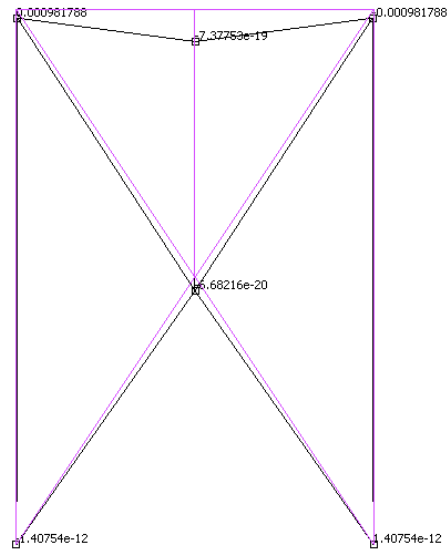
1-1-2022

C1:

		cresca		mises		mean		p r i n c i p a l   v a l u e s			p h y s i c a l   c o m p o n e n t s					
		intensity	intensity	intensity	intensity	normal	intensity	minimum	intermediate	maximum	1	2	3	4	5	6
element	1	point	1	integration pt. coordinate=			-0.500E+01	0.150E+02	0.000E+00							
section	thickness = 0.100E+01															
engsts	2.945E+03	2.945E+03	-9.818E+02	-2.945E+03	0.000E+00	0.000E+00	-2.945E+03	0.000E+00	0.000E+00	-2.945E+03						
engstn	9.818E-05	8.016E-05	0.000E+00	-9.818E-05	0.000E+00	0.000E+00	-9.818E-05	0.000E+00	0.000E+00	-9.818E-05						
element	2	point	1	integration pt. coordinate=			0.500E+01	0.150E+02	0.000E+00							
section	thickness = 0.100E+01															
engsts	2.945E+03	2.945E+03	-9.818E+02	-2.945E+03	0.000E+00	0.000E+00	-2.945E+03	0.000E+00	0.000E+00	-2.945E+03						
engstn	9.818E-05	8.016E-05	0.000E+00	-9.818E-05	0.000E+00	0.000E+00	-9.818E-05	0.000E+00	0.000E+00	-9.818E-05						
element	3	point	1	integration pt. coordinate=			0.100E+02	0.000E+00	0.000E+00							
section	thickness = 0.100E+01															
engsts	7.621E+03	7.621E+03	-2.540E+03	-7.621E+03	0.000E+00	0.000E+00	-7.621E+03	0.000E+00	0.000E+00	-7.621E+03						
engstn	2.540E-04	2.074E-04	0.000E+00	-2.540E-04	0.000E+00	0.000E+00	-2.540E-04	0.000E+00	0.000E+00	-2.540E-04						
element	4	point	1	integration pt. coordinate=			0.500E+01	-0.750E+01	0.000E+00							
section	thickness = 0.100E+01															
engsts	1.677E+04	1.677E+04	-5.589E+03	-1.677E+04	0.000E+00	0.000E+00	-1.677E+04	0.000E+00	0.000E+00	-1.677E+04						
engstn	5.589E-04	4.564E-04	0.000E+00	-5.589E-04	0.000E+00	0.000E+00	-5.589E-04	0.000E+00	0.000E+00	-5.589E-04						
element	5	point	1	integration pt. coordinate=			0.500E+01	0.750E+01	0.000E+00							
section	thickness = 0.100E+01															
engsts	5.310E+03	5.310E+03	1.770E+03	0.000E+00	0.000E+00	0.000E+00	5.310E+03	5.310E+03	5.310E+03	5.310E+03						
engstn	1.770E-04	1.445E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.770E-04	1.770E-04	1.770E-04	1.770E-04						
element	6	point	1	integration pt. coordinate=			-0.500E+01	0.750E+01	0.000E+00							
section	thickness = 0.100E+01															
engsts	5.310E+03	5.310E+03	1.770E+03	0.000E+00	0.000E+00	0.000E+00	5.310E+03	5.310E+03	5.310E+03	5.310E+03						
engstn	1.770E-04	1.445E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.770E-04	1.770E-04	1.770E-04	1.770E-04						
element	7	point	1	integration pt. coordinate=			-0.500E+01	-0.750E+01	0.000E+00							
section	thickness = 0.100E+01															
engsts	1.677E+04	1.677E+04	-5.589E+03	-1.677E+04	0.000E+00	0.000E+00	-1.677E+04	0.000E+00	0.000E+00	-1.677E+04						
engstn	5.589E-04	4.564E-04	0.000E+00	-5.589E-04	0.000E+00	0.000E+00	-5.589E-04	0.000E+00	0.000E+00	-5.589E-04						
element	8	point	1	integration pt. coordinate=			-0.100E+02	0.000E+00	0.000E+00							
section	thickness = 0.100E+01															
engsts	7.621E+03	7.621E+03	-2.540E+03	-7.621E+03	0.000E+00	0.000E+00	-7.621E+03	0.000E+00	0.000E+00	-7.621E+03						
engstn	2.540E-04	2.074E-04	0.000E+00	-2.540E-04	0.000E+00	0.000E+00	-2.540E-04	0.000E+00	0.000E+00	-2.540E-04						
element	9	point	1	integration pt. coordinate=			0.000E+00	0.750E+01	0.000E+00							
section	thickness = 0.100E+01															
engsts	3.193E+04	3.193E+04	-1.064E+04	-3.193E+04	0.000E+00	0.000E+00	-3.193E+04	0.000E+00	0.000E+00	-3.193E+04						
engstn	1.064E-03	8.691E-04	0.000E+00	-1.064E-03	0.000E+00	0.000E+00	-1.064E-03	0.000E+00	0.000E+00	-1.064E-03						

1

Inc: 0  
Time: 0.000e+00

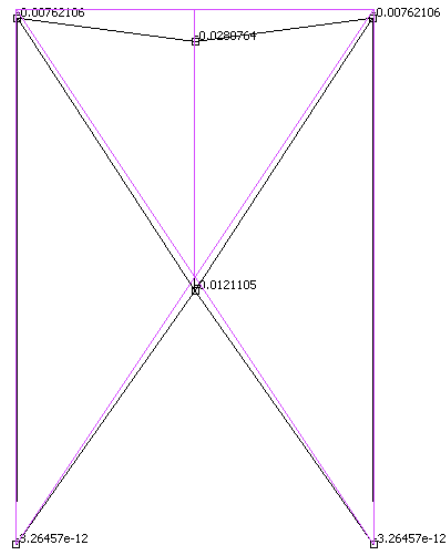
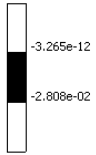


Max:  $9.818e-04$  @Node 4  
Min:  $-9.818e-04$  @Node 1

job1  
Displacement X

Inc: 0  
Time: 0.000e+00

MSC Software



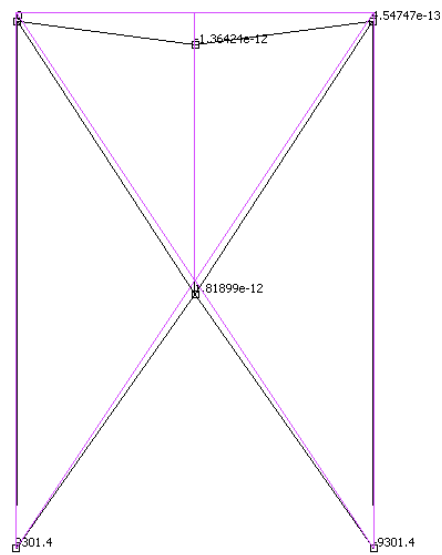
Max: -3.265e-12 @Node 3  
Min: -2.808e-02 @Node 2

job1  
Displacement Y

1

Inc: 0  
Time: 0.000e+00

MSC Software

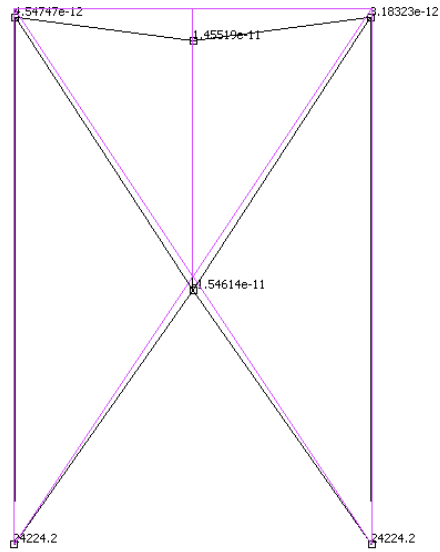
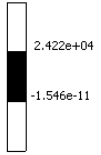


Max: 9.301e+03 @Node 5  
Min: -9.301e+03 @Node 3

job1  
Reaction Force X

1

Inc: 0  
Time: 0.000e+00



Max: 2.422e+04 @Node 3  
Min: -1.546e-11 @Node 6

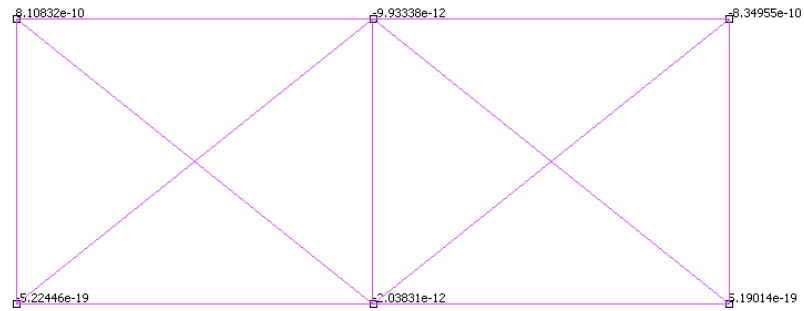
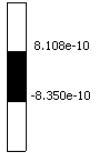
job1  
Reaction Force Y

C2:

		tresca	mises	mean principal values			physical components						
		intensity	intensity	normal	minimum	intermediate	maximum	1	2	3	4	5	6
					intensity								
element	1	point	1	integration pt. coordinate=			-0.200E+01	0.800E+00	0.000E+00				
section	thickness = 0.200E+03												
engsts	1.970E+01	1.970E+01	-6.566E+00	-1.970E+01	0.000E+00	0.000E+00	-1.970E+01						
element	2	point	1	integration pt. coordinate=			-0.100E+01	0.000E+00	0.000E+00				
section	thickness = 0.200E+03												
engsts	6.115E-02	6.115E-02	-2.038E-02	-6.115E-02	0.000E+00	0.000E+00	-6.115E-02						
element	3	point	1	integration pt. coordinate=			0.000E+00	0.800E+00	0.000E+00				
section	thickness = 0.200E+03												
engsts	3.930E+01	3.930E+01	-1.310E+01	-3.930E+01	0.000E+00	0.000E+00	-3.930E+01						
element	4	point	1	integration pt. coordinate=			-0.100E+01	0.160E+01	0.000E+00				
section	thickness = 0.200E+03												
engsts	2.462E+01	2.462E+01	-8.208E+00	-2.462E+01	0.000E+00	0.000E+00	-2.462E+01						
element	5	point	1	integration pt. coordinate=			-0.100E+01	0.800E+00	0.000E+00				
section	thickness = 0.900E+02												
engsts	7.007E+01	7.007E+01	2.336E+01	0.000E+00	0.000E+00	7.007E+01	7.007E+01						
element	6	point	1	integration pt. coordinate=			-0.100E+01	0.800E+00	0.000E+00				
section	thickness = 0.900E+02												
engsts	1.081E+02	1.081E+02	-3.605E+01	-1.081E+02	0.000E+00	0.000E+00	-1.081E+02						
element	7	point	1	integration pt. coordinate=			0.200E+01	0.800E+00	0.000E+00				
section	thickness = 0.200E+03												
engsts	1.965E+01	1.965E+01	-6.550E+00	-1.965E+01	0.000E+00	0.000E+00	-1.965E+01						
element	8	point	1	integration pt. coordinate=			0.100E+01	0.160E+01	0.000E+00				
section	thickness = 0.200E+03												
engsts	2.475E+01	2.475E+01	-8.250E+00	-2.475E+01	0.000E+00	0.000E+00	-2.475E+01						
element	9	point	1	integration pt. coordinate=			0.100E+01	0.800E+00	0.000E+00				
section	thickness = 0.900E+02												
engsts	1.078E+02	1.078E+02	-3.593E+01	-1.078E+02	0.000E+00	0.000E+00	-1.078E+02						
element	10	point	1	integration pt. coordinate=			0.100E+01	0.000E+00	0.000E+00				
section	thickness = 0.200E+03												
engsts	6.115E-02	6.115E-02	2.038E-02	0.000E+00	0.000E+00	6.115E-02	6.115E-02						
element	11	point	1	integration pt. coordinate=			0.100E+01	0.800E+00	0.000E+00				
section	thickness = 0.900E+02												
engsts	6.972E+01	6.972E+01	2.324E+01	0.000E+00	0.000E+00	6.972E+01	6.972E+01						

Inc: 0  
Time: 0.000e+00

MSC Software



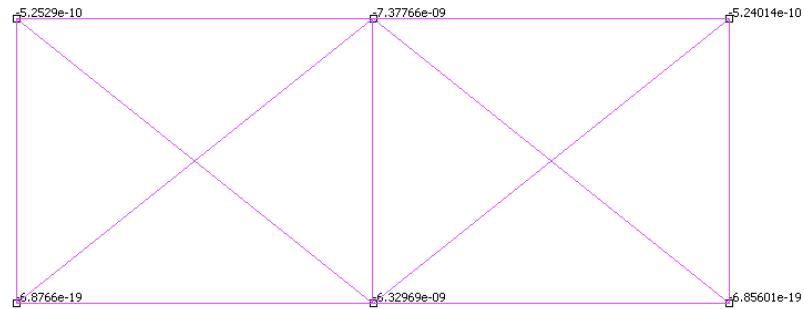
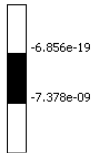
Max:  $8.108\text{e-}10$  @Node 6  
Min:  $-8.350\text{e-}10$  @Node 5

job1  
Displacement X

1

Inc: 0  
Time: 0.000e+00

MSC Software



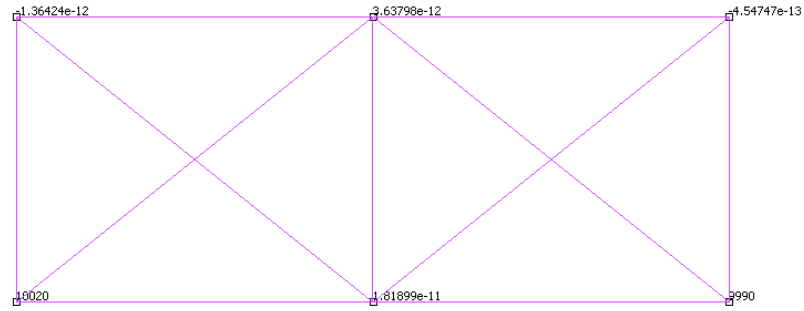
Max:  $-6.856\text{e-}19$  @Node 13  
Min:  $-7.378\text{e-}09$  @Node 2

job1  
Displacement Y

1

Inc: 0  
Time: 0.000e+00

MSC Software



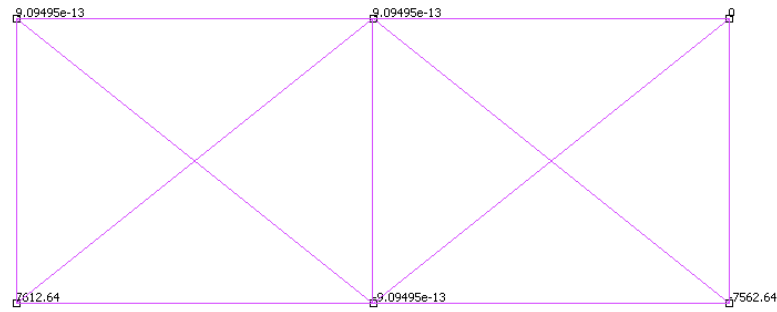
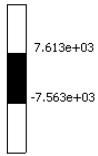
Max:  $1.002e+04$  @Node 14  
Min:  $-1.364e-12$  @Node 6

job1  
Reaction Force Y

1

Inc: 0  
Time: 0.000e+00

MSC Software



Max:  $7.613e+03$  @Node 14  
Min:  $-7.563e+03$  @Node 13

job1  
Reaction Force X

1