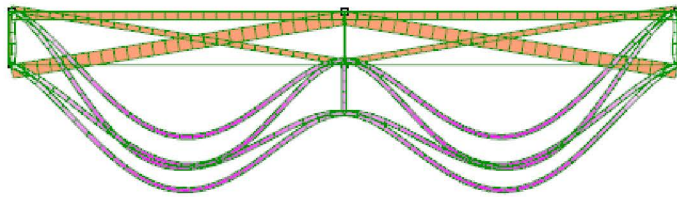
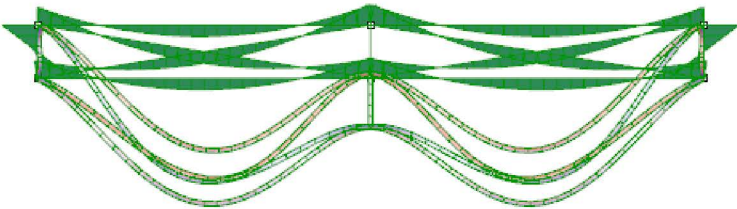
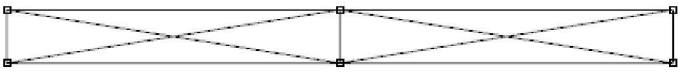


Changing Cross Section

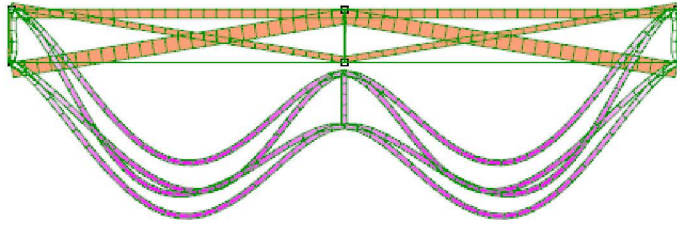
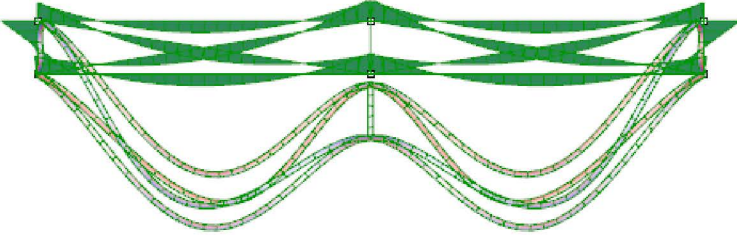
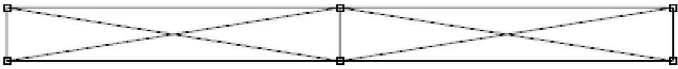
Material = Steel
Cro Sec:
Height = 35.00
U&L Widht = 18.00
U&L Thick= 1.25

Utilization= -8.9 < 8.2
Displacement=0.009628



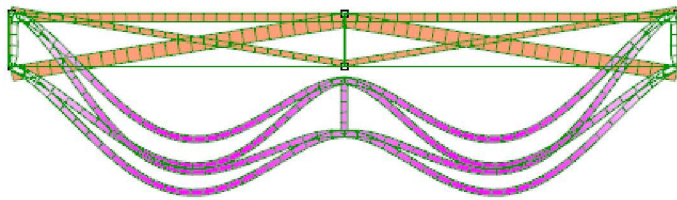
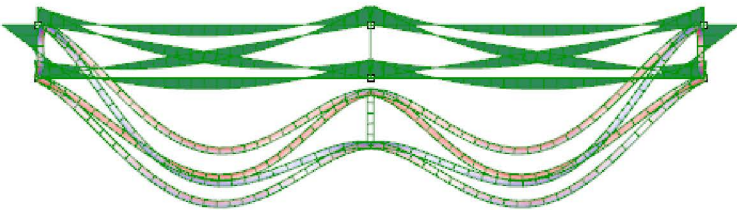
Material = Steel
Cro Sec:
Height = 40.00
U&L Widht = 10.00
U&L Thick= 1.00

Utilization= -12.3 < 11.3
Displacement=0.011755



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

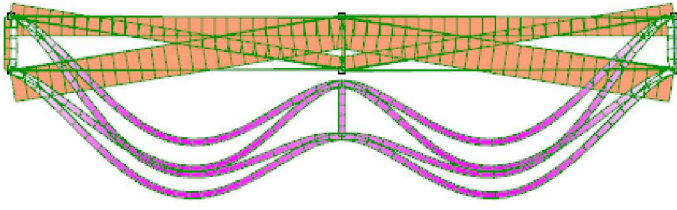
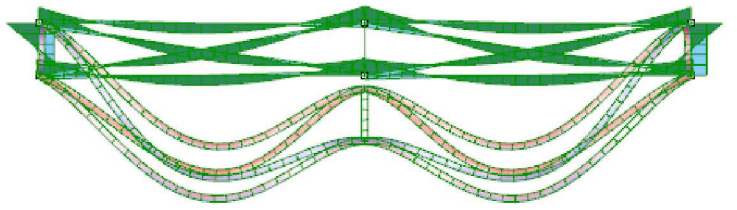
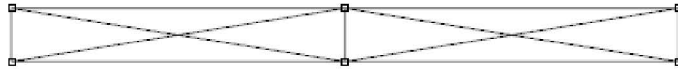
Utilization= -11.6 < 10.6
Displacement=0.009553



Changing basic geometry

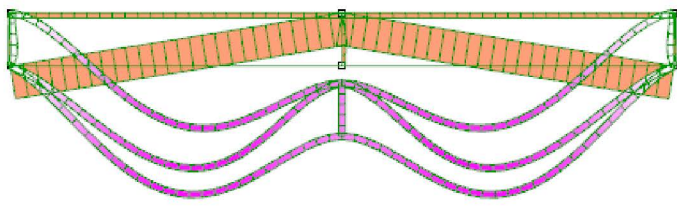
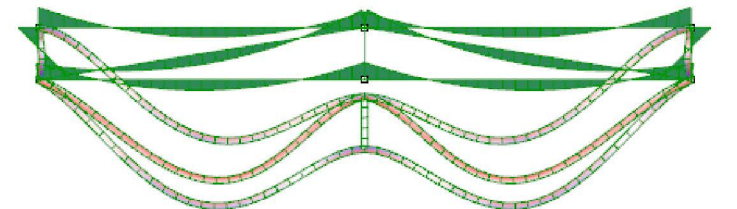
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -11.6 < 10.6
Displacement=0.009553



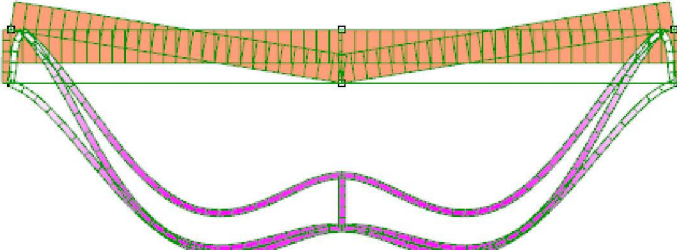
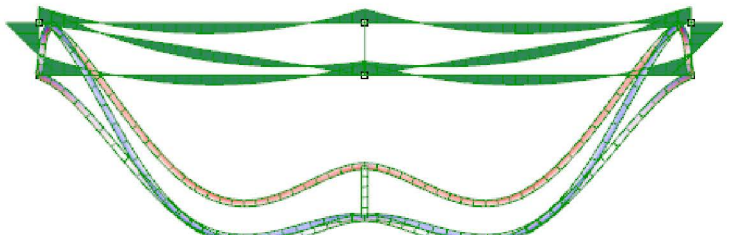
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -11.2 < 10.8
Displacement=0.009779



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

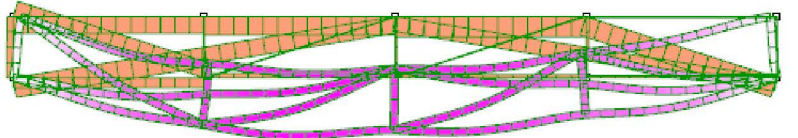
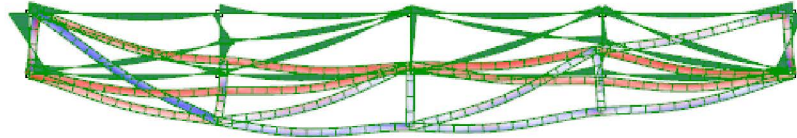
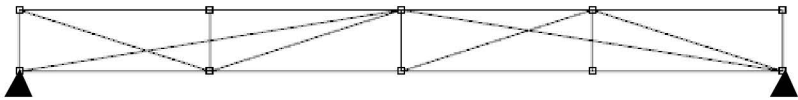
Utilization= -12.5 < 11.0
Displacement=0.013297



Changing internal geometry

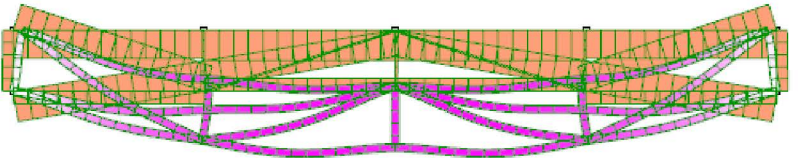
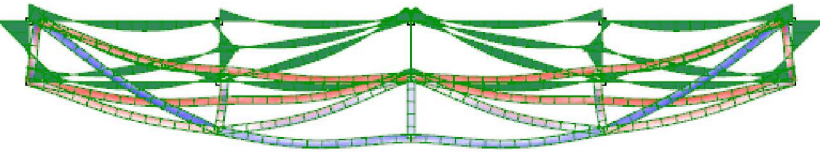
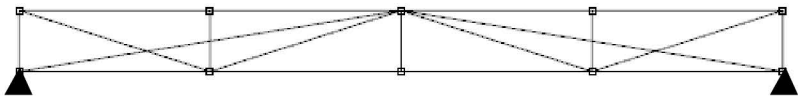
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -4.6 < 3.7
Displacement=0.003958



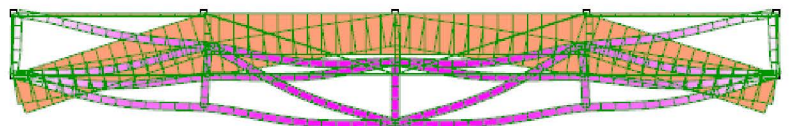
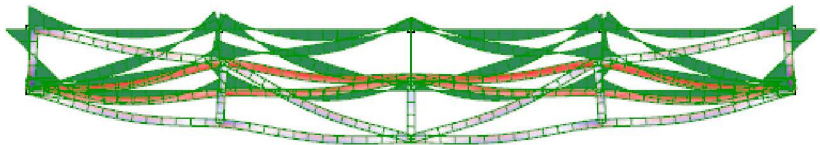
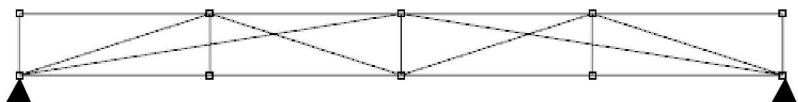
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -4.6 < 3.7
Displacement=0.004092



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

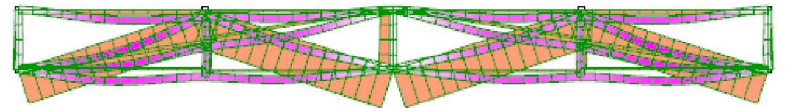
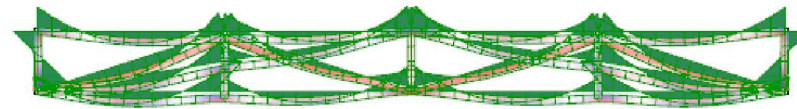
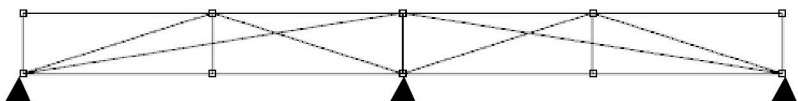
Utilization= -4.00 < 3.6
Displacement=0.003236



Changing supports

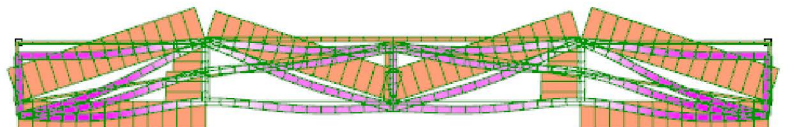
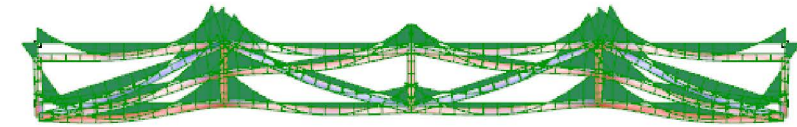
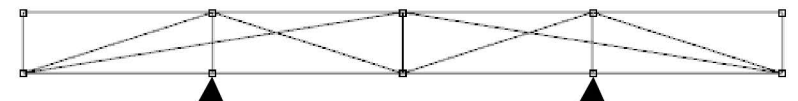
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.2 < 2.9
Displacement=0.000902



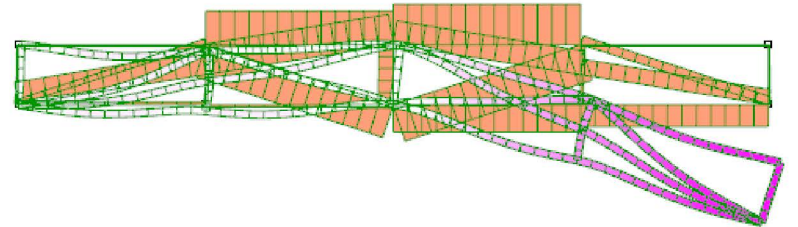
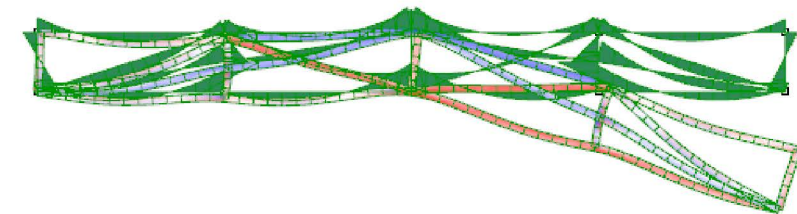
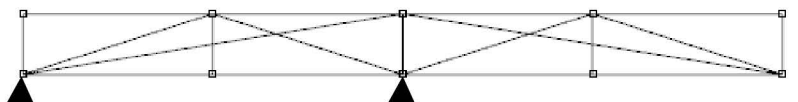
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.1 < 3.4
Displacement=0.000959



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

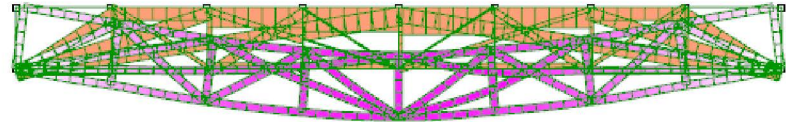
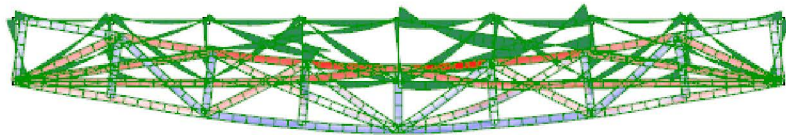
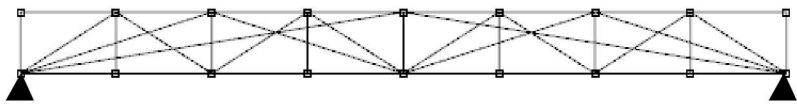
Utilization= -4.6 < 4.9
Displacement=0.007911



Changing internal geometry

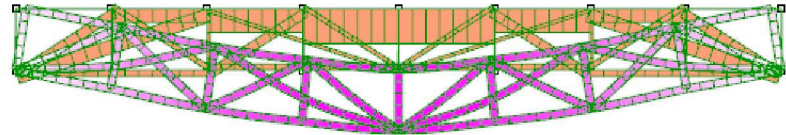
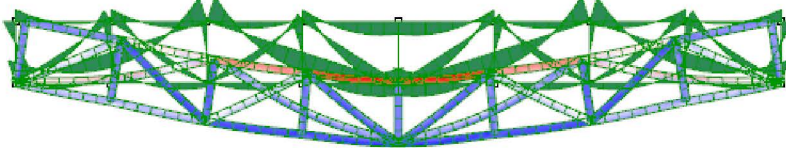
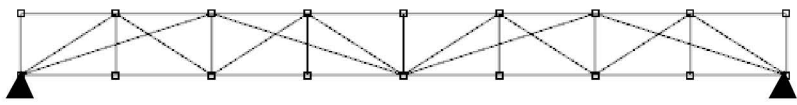
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -4.2 < 3.1
Displacement=0.003337



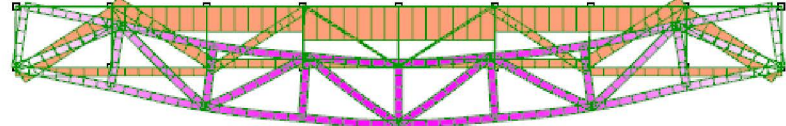
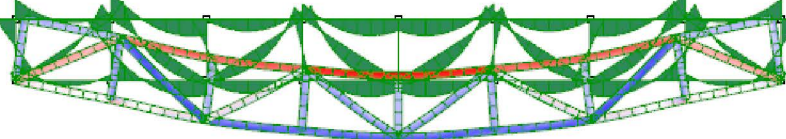
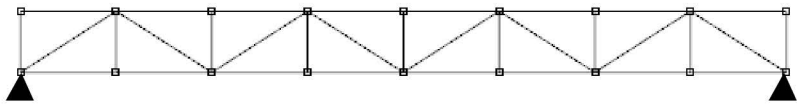
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -5.3 < 1.6
Displacement=0.00401



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

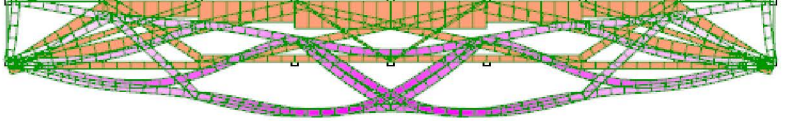
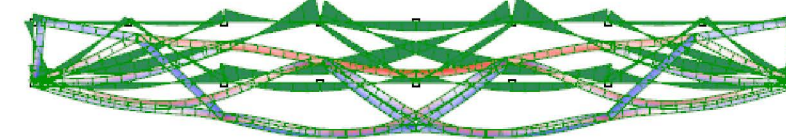
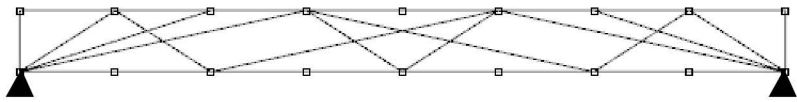
Utilization= -4.1 < 2.0
Displacement=0.003694



Changing geometry

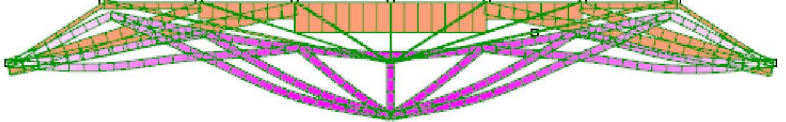
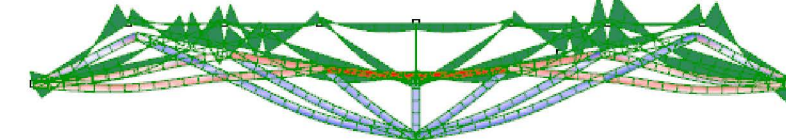
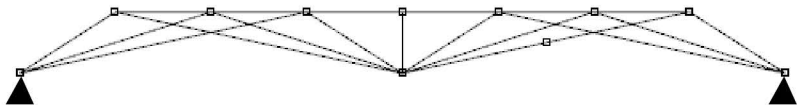
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -5.4 < 2.9
Displacement=0.005129



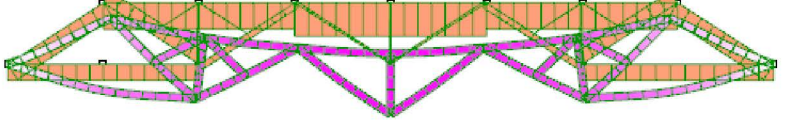
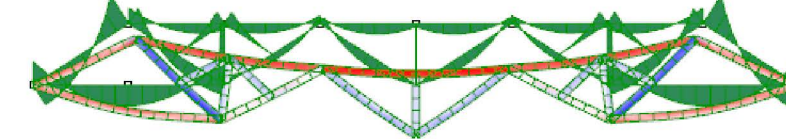
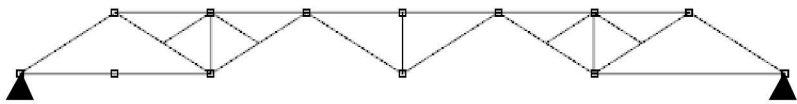
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -4.6 < 2.5
Displacement=0.003455



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

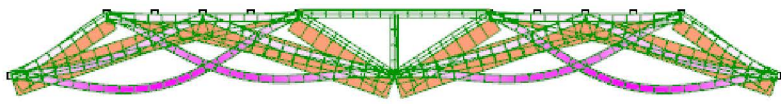
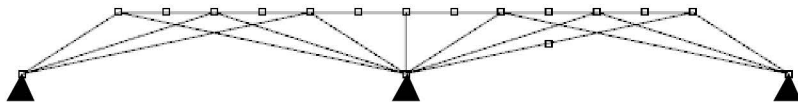
Utilization= -3.3 < 2.0
Displacement=0.003268



Changing supports

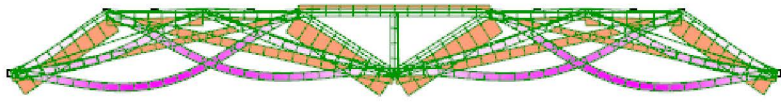
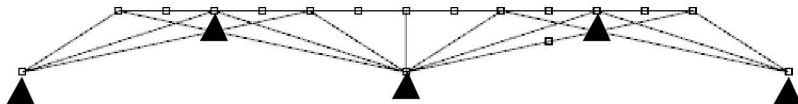
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.9 < 3.6
Displacement=0.002684



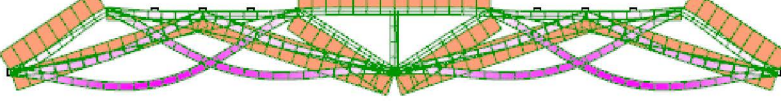
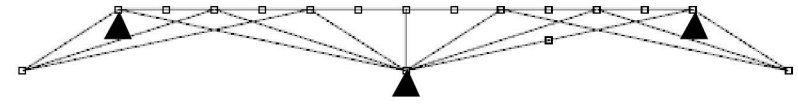
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.9 < 3.6
Displacement=0.002631



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

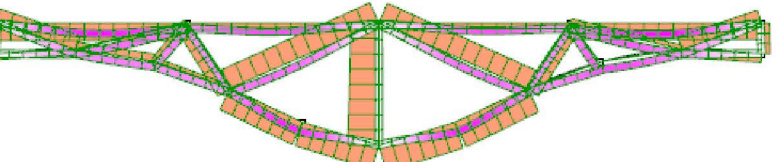
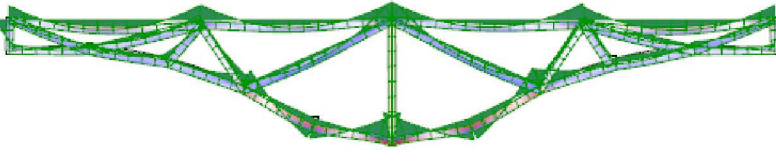
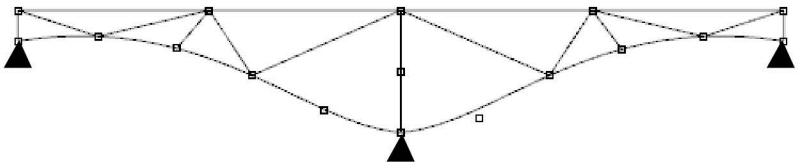
Utilization= -3.8 < 3.7
Displacement=0.002693



Changing geometry

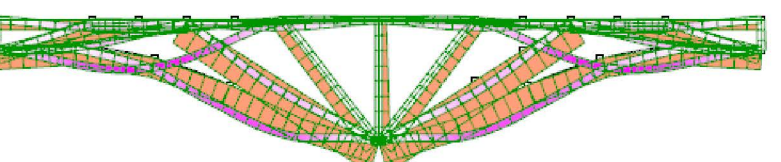
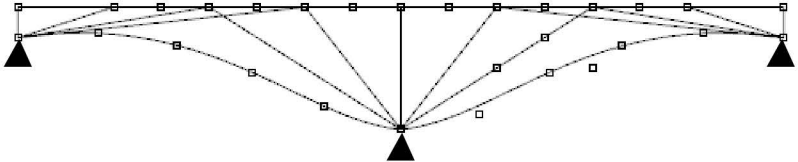
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.7 < 2.2
Displacement=0.00718



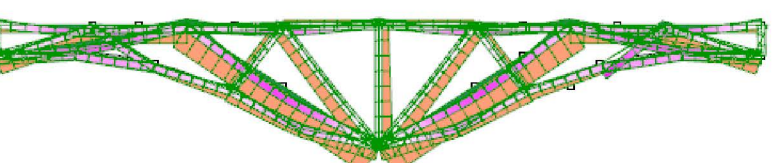
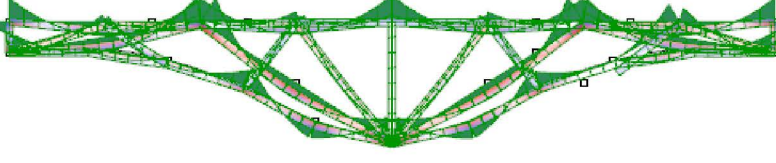
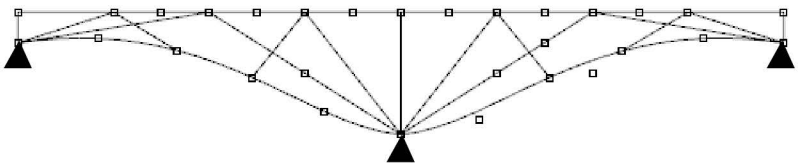
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -4.7 < 3.7
Displacement=0.002199



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

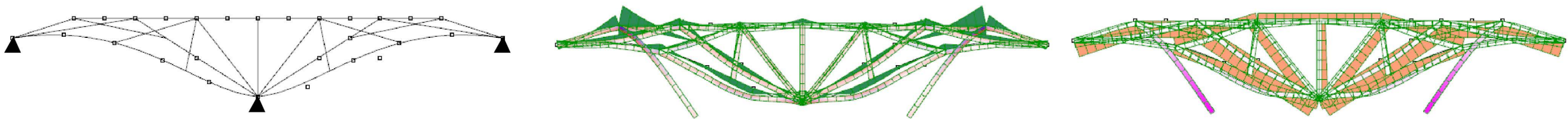
Utilization= -2.6 < 1.8
Displacement=0.000829



Changing supports

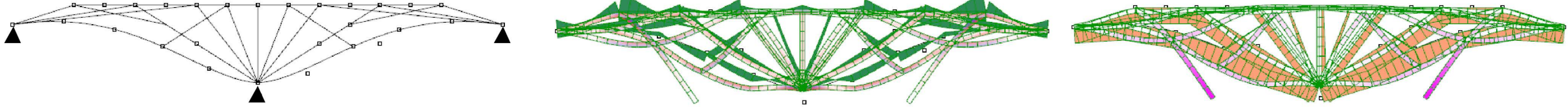
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -5.2 < 5.3
Displacement=0.007534



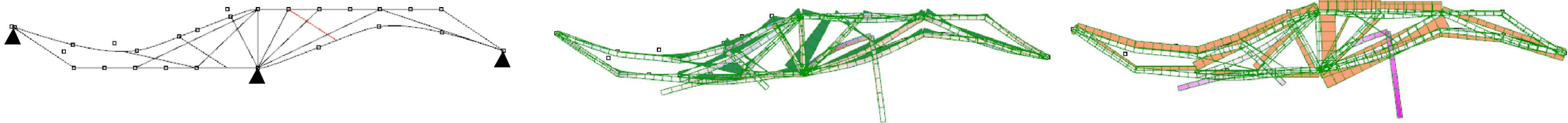
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -5.5 < 5.3
Displacement=0.007433



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

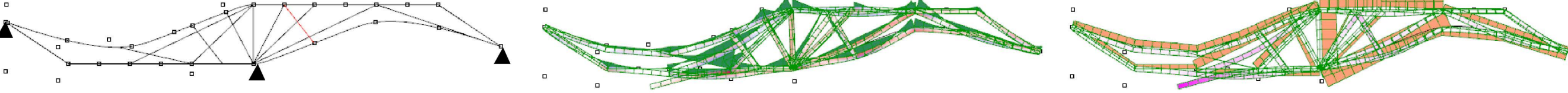
Utilization= -5.2 < 4.9
Displacement=0.007695



Changing geometry

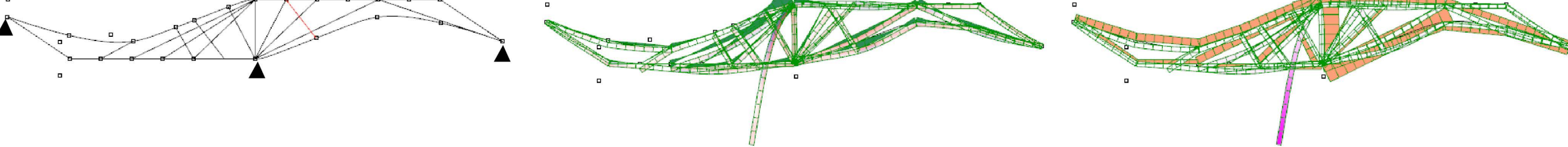
Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -3.3 < 3.3
Displacement=0.003575



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -6.0 < 6.2
Displacement=0.009669



Material = Steel
Cro Sec:
Height = 50.00
U&L Widht = 8.00
U&L Thick= 0.80

Utilization= -2.6 < 2.5
Displacement=0.000872

