Numerical Outputs for HW65 Problem 12345

u1 = 0.0 m
phi1 = -0.1848958 rad
u2 = -0.3984375 m
phi2 = -0.0286458 rad
u3 = 0.0 m
phi3 = 0.2447917 rad

Forces, Moments =
[200.0, 0.0, -200.0, 600.0, 200.0, -600.0, 700.0, 0.0]
N, N*m

Maximum transverse shear stress = 1383496.4763 Pa

Maximum bending stress = 172181163.4996 Pa

Numerical Outputs for HW65 Problem 6

u1 = -0.0 m
phi1 = -0.1848958 rad
u2 = -0.3984375 m
phi2 = -0.0286458 rad
u3 = -0.3707562 m
phi3 = 0.0866127 rad
u4 = -0.2273341 m
phi4 = 0.1951196 rad
u5 = -0.0 m
phi5 = 0.2447917 rad

Forces, Moments =
[200.0, -0.0, -200.0, 600.0, 200.0, -600.0, 33.3333, 688.8889, -33.3333, -688.8889,
333.3333, 511.1111, -333.3333, -511.1111, 700.0, -0.0]
N, N*m

Maximum transverse shear stress = 1383496.4763 Pa

Maximum bending stress = 197689484.0181 Pa