CE 425 Introduction to Finite Elements

Assignment # 5 (due November 24, 2014 till 10:00)

Q1) Plot the tip displacement of the cantilever (flexural and shear deformations seperately) versus;

a) E/G ratio (use 40cmX80cm section and L=4m)
b) I/A ratio (use E=200 GPa, Poisson Ratio= 0.3 and L=4m)
c) L (use E=200 GPa, Poisson Ratio= 0.3 and 40cmX80cm section)