

CE 4010/6010

Homework #14

Assigned: Tuesday, March 11, 2014;
Due: Thursday, March 13, 2014; end of class

Homework must be done neatly in pencil, on 8 ½" x 11" paper, stapled together. Each step must be easily followed; diagrams are useful. State your assumptions. Homework that is not neat and legible may be rejected. Staple the question sheet to the front of your homework.

Make Sure To Include The Cover Page!

Problem 1: (100 points) Calculate the reaction forces for the beam shown in figure 5.10 of your textbook (page 246) using MATLAB. Ignore axial deformations, torsional deformations, and out of plate bending.