

GROUP MEMBERS:

CE 8060 – STRUCTURAL DYNAMICS
Homework #18

Assigned: Thursday, November 13, 2014

Due: Tuesday, November 18, 2014 (at the beginning of the 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. Your assumptions must be clearly stated.

Make Sure to Write Both Group Members' Names!

Question 1: (10 points)

Plot the mode shapes of the cantilever beam in Example #14 using the shape functions and mode shape vectors that were determined in class.