

ECEn 550 / ME 550, Fall 2008

Homework #6

Due Dec. 1, 5:00 pm

From the text Foundation of MEMS, do the following problems:

6.10, 6.11, 6.14

7.3 (a and b), 7.4, 7.6, 7.7

Also, find at least one technical paper in the MEMS field that uses the piezoelectric effect to convert mechanical to electrical energy. Write a short (1 paragraph) summary of the paper.

Note that problem 7.4 is asking for the transverse displacement of the cantilever.