

ENGR 3399 Mechanical and Aerospace Systems 2
Spring 2011
Assignment 6: due Fri. 2/25

1) Individual/Team.

Continue development of the first prototype(s). Plan to demo the week before spring break (Tues or Fri.). You must have quantitative analysis (theory or computational modeling) to support your designs.

2) Individual.

a) Study and do the lessons in chapters 1 through 5 of the Motion Simulation book (on reserve in library).

b) Come up with a test problem based on this material which covers what you think are the most important concepts. You may use/modify the exercises at the end of each chapter.

c) Write a clear problem statement which includes a specific analysis tasks (*e.g.*, find and locate the largest maximum effective stress and displacement).

d) Solve the problem yourself and then pass the problem statement to a classmate.

e) Do the problem that has been passed to you. Summarize your results in a single PowerPoint slide following the quad chart template in the course folder. Be ready to present your slide in class on Friday.