

End of Semester Assignments

Exam

Rework of exam questions 1-3 are due during the final exam period. 8:00 to 10:00 Thursday December 22. This will be used to increase your score on third in-class exam.

Report

A final report is due for the design project. It must follow the format of the template on the web page at: <http://www.umaine.edu/MechEng/peterson/Classes/MEE380/2005/2005-Default.htm>. The report as submitted must include results from the race that are relevant to the model.

The final report must be submitted with a single paper copy as well as submission of an electronic copy.

The hard copy of the final report is due by 4:00 pm on December 22 in my mailbox in the mechanical engineering department office. The paper copy of the final report must follow the template and also MUST include a 3-view drawing or sketch of the car with notes identifying key features. An isometric view of the car is optional and may be on the same or a separate sheet.

The electronic copy must be submitted to:

michael.l.peterson@umit.maine.edu or michael.peterson@maine.edu

and needs to include a commented m-file used to model the performance of the car.

Race

The competition will be held Crosby in the upstairs hallway during the final exam period. The track and final system will be available at 7 am, with races from 8 to 9 am. All cars must be left in Crosby after the race, although they can be picked up after grades have been submitted. All cars will be held under lock and key to determine if the models represent the design.

Extra Credit

If one or more of the projects is judged to be outstanding the following extra credit points are available.

3 points for the final class grade if an e-mail is submitted that says: "I give permission for this report to be posted for use by future classes as a model of excellence"

3 point for the final class grade if an e-mail is submitted that says: "I am donating this pinewood derby car as a model of excellence for future classes.