

## Mechanics and Special Relativity, Spring 2006

### Information for Final Exam

The final exam is supposed to cover **all** the material covered in this course, including what's already been covered by the prelims. However, the emphasis will be on the topics covered **since** the second prelim. These are:

- Rotational Motion (Sections 6.1–6.7 and 7.3 in the book.)
- Oscillators (Sections 10.1–10.3.)
- Special Relativity (Sections 11.3–11.5, 12.1–12.6, 13.1–13.3.)

Here is a list of problems that you may want to look at to prepare for the exam: 6.17, 6.21, 6.25, 6.27, 6.32, 6.35, 7.3, 7.6, 10.2, 10.9, 10.10, 12.8, 12.11, 13.6, 13.7, 13.9. Also, working through the examples discussed in the book is generally very useful. I especially recommend examples 6.4, 6.6, 6.10, 6.18, 7.7, 12.4, 13.2, 13.3, 13.5, 13.8 (some of these have been discussed in class). Finally, the practice final is on the web, and will be discussed in the review session by Sarah (time and location will be announced soon).