Vibrations Waves and Optics - PHYS 2300

4th Assignment

due in the course drop-box by

9:55am, Tuesday, September, 2014

*No partial marks for late submissions*

Reading assignment:

\* study pages 62-70 of French.

Do the following problems:

* 1. Give three examples of real damped oscillators found in nature, engineering, etc. In each case, explain whether the system is overdamped, underdamped, or critically damped. Also, describe where the energy that the system loses (dissipates) ends up. Do not use systems that were discussed in class or in the textbook. You will get bonus marks for each example that is unique (i.e., one that no-one else in the class has come up with).
  2. Problem 3-13 in French
  3. Problem 3-14 in French
  4. Problem 3-15 in French