

Homework 9

Due Monday, November 25, 12:50 pm in class.

Reading: Chapter 7 from the textbook.

Note: Make your solutions neat, concise, and intelligible. It is not sufficient just to state the answer. Points may be deducted, if it is difficult to find and/or understand the solutions.

Problem 1. Atwood machine. Problem 7.27** from the textbook.

Problem 2. Pendulum on a rotating wheel. Problem 7.29** from the textbook.

Problem 3. Oscillator with massive spring. Problem 7.34** from the textbook.

Problem 4. Bead on a rotating hoop. Problem 7.35** from the textbook.

Problem 5. 2D motion of masses connected by a string. Problem 7.37*** from the textbook