

# **University of New Mexico**

## **Physics 161, Section 001**

### **Problem Set #6**

**Issued: February 24, 2006**

**Due: March 6, 2006**

**Do all of the exercises and problems listed below. Please hand in your problem set at the start of class. Be sure to put your name, course number (Physics 161-001), and BOX number on your homework. Show all your work, write clearly, and be sure to include the units!**

**Exercises: Young & Freedman 21.6, 21.30, 21.45, 21.58, 21.65**

**Problem: Young & Freedman 21.75, 21.94**

**Extra Credit (worth up to 1% of your final grade):  
*Young and Freedman, Challenge Problem 21.105***