

PHY180F ASSIGNMENT 4 2004

Due: Thursday, October 21

1. Since a golf ball and a baseball are both spheres the drag coefficients for both should be the same. With this assumption, use formula 6.9 of Serway and information for golf balls and baseballs from Table 6.1 of Serway to determine some information about terminal velocities for golf balls and baseballs. Compare your conclusions with the information in Table 6.1 and comment. Note that I have been deliberately vague about what is expected for a correct answer.
2. Chapter 6 problem 40.
3. Chapter 6 problem 41.
4. Chapter 6 problem 60.