

Homework #6

due Tuesday March 25

1. Hirose & Lonngren Chapter 5 #3.
2. Hirose & Lonngren Chapter 5 #4.
3. Hirose & Lonngren Chapter 5 #5.
4. a) Hirose & Lonngren Chapter 5 #6 b) Use this result to compute the change in velocity of sound when the temperature goes from 0 to 27° c) Use this result to estimate the speed of sound at 27° C. How does this approximation compare with the accepted value?
5. Hirose & Lonngren Chapter 5 #7.
6. Hirose & Lonngren Chapter 5 #8.
7. Hirose & Lonngren Chapter 5 #9.