

Physics 408 Problem Set 1 Due Wednesday, Sep. 6

All problems this week from Schroeder:

1. 1.8 (linear expansion coefficient)
2. 1.12 (distance between molecules)
3. 1.17 (virial expansion, van der Waals state eqn.)
4. 1.22 (rate of effusion)
5. 1.34 (ideal gas cycle)
6. 1.37 (diesel-type process)
7. 1.38 (bubbles)
8. 1.53 (enthalpy of formation)
9. 1.55 (negative heat capacity)