Physics A410: Thermal Physics

Problem Set 9

Assigned 2003 March 24 Due 2003 March 31

Show your work on all problems! Be sure to give credit to any collaborators, or outside sources used in solving the problems.

1 Schroeder 3.23

2 Schroeder 3.25

Note: this is an invovled problem. Make sure you get an early start, and take it one part at a time. You'll want to keep your calculus book handy for the perturbative expansions in part (f).

- 3 Schroeder 3.27
- 4 Schroeder 3.28