

Physics 410 - 2003

Thermal Physics

Problem Set 13

1. Chapter 8, p. 257, problem 1 (5 pt)
2. Chapter 8, p. 258, problem 3 (5 pt)
3. Show that the Bose-Einstein condensation does not happen in a two-dimensional Bose gas (5 pt).

The problems are from Kittel & Kroemer, *Thermal Physics*, 2nd edition, (Freeman, NY 1980).