

## Reading Assignment 09/15

(due: Monday, September 15, 9 am)

**Read:** §2.5

- 1.:** For a two particle system, what is the dimension of the momentum space hypersphere?
- 2.:** For a system of  $N$  particles where all of its energy is contained in quadratic degrees of freedom ( $f$  per particle), the multiplicity is proportional to  $U$  raised to what power?
- 3. Comments:** What of this reading did you find most difficult and what did you find most interesting? Any other comments?

**Homework due Mo, Sept. 15:** 2.18 & 2.19

Homework due Wed, Sept. 17: 2.24, 2.27