

Department of Physics, University of Maryland, College Park, MD 20742-4111

Physics 404

HOMEWORK ASSIGNMENT #9

Spring 2009

Due date: Tuesday, April 28

Deadline: Thursday, April 30

B means a problem in Blundell & Blundell's text; GT means a problem in Gould & Tobochnik.

1. B23.2 Note the typo in line 3: the function that should be maximized is $x^\alpha/(e^x-1)$.
The exponent of e is x, *not* α .

2. B 23.6

3. B 23.7

Note that we did much/most of B23.1 in class.