

Phys 402
Spring 2009
Homework 9
Due Friday, May 1, 2009 @ 9 AM

1. Griffiths, 2nd Edition, Problem 5.29
2. Griffiths, 2nd Edition, Problem 5.16
3. Griffiths, 2nd Edition, Problem 5.37. Hint: To calculate the degeneracy of state E_n of the 3D harmonic oscillator you have to answer the question: "How many ways can we add three non-negative integers to get sum n ?"



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