

Quantum Mechanics Fall 2003- Homework Set 9

Time Dependant Perturbation Theory

Due 5:00pm Weds. Dec. 3 if you want it back before the final. Due Monday
Dec. 8 if you don't care.

7.2 Variational Principle and the Harmonic Oscillator

7.8 Direct/Exchange Integrals

7.13 Comparing Perturbation Methods

9.1 Dipole Perturbation to Hydrogen

9.3 Delta function perturbation

9.8 Comparison of Rates as a function of temperature.