

**HWK #7**

This homework includes the following THREE questions in *Kroemer*:

- 1) #7-4-1: The Radial Component of  $\hat{p} = -i\hbar\nabla$  in Spherical Polar Coordinates (page 204)
- 2) #7-5-1: Angular Momentum Operators in Spherical Polar Coordinates (page 210)
- 3) #7-6-1: Precessional Motion of a Rotating Charged Sphere in a Magnetic Field (page 218)

The deadline would be 03/07/2007 Wed, in class.