



Department of Physics

Quiz #10
Rotational Motion

Physics 161, Calculus Mechanics and particle dynamics
Chapter 10, Rotational Motion

Calculate the center of mass moment of inertia for: $I = \int r^2 dm$

- a) A solid sphere,
- b) a spherical shell,
- c) a thin hoop,
- d) a solid cylinder,
- e) and the rigid rod.