

Physics 5300, Theoretical Mechanics Spring 2015

Quiz 6

Given: Friday Feb 20

Problem 1 A rigid body consists of three equal masses m fastened at positions $(a, 0, 0)$, $(0, a, 2a)$, $(0, 2a, a)$. Find the inertia tensor I . (b) Find the principal moments and a set of orthogonal principal axes.