PHYS 211: Quiz 11

June 12, 2012

1. Calculate the rotational kinetic energy of a spinning object that has moment of inertia $10 \mathrm{kg} \cdot \mathrm{m}^2$ and angular velocity $2 \mathrm{rad/s}$.

2. If a torque is now applied to the above object so that it's angular velocity increases to 5rad/s, how much work has the applied torque done?