

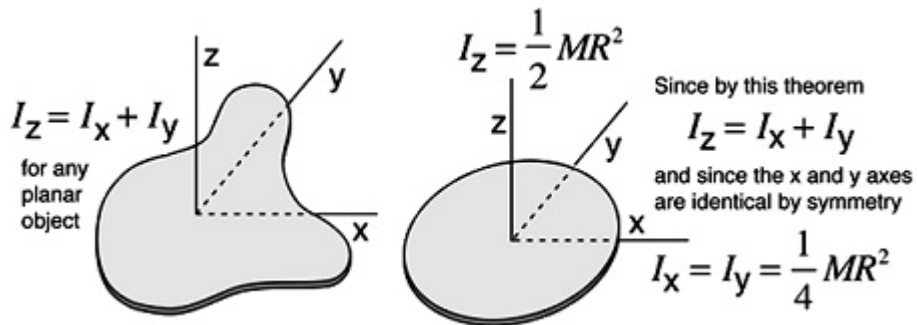
Circular Motion

Basics

Angular Momentum = $L = mvr = m\omega r^2$

Centripetal Force = $\frac{mv^2}{r} = m\omega^2 r$

Perpendicular Axis Theorem



$$\frac{mv^2}{r} = m\omega^2 r$$

Collisions

Gravity

Energy