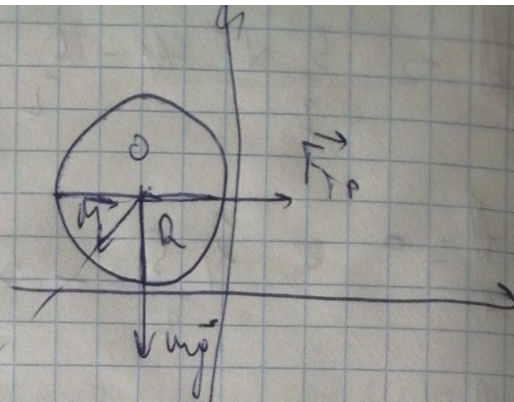


$$\vec{a} = \vec{g} \cdot \vec{p}$$

$$A = \int$$



$$dA = (M_{TPR} \cdot d\vec{\varphi})$$

$$\vec{M}_{TP} = (\vec{M}_{TP} \cdot \vec{k}) M_{TP} \cdot \vec{k}$$

$$d\vec{\varphi} = d\varphi \cdot \vec{k}$$

$$dA = (M_{TP} \cdot \vec{k}, d\varphi \cdot \vec{k}) = M_{TP} \cdot d\varphi,$$

$$\text{we } M_{TP} = I \cdot \frac{d\omega}{dt}$$

$$dA = I \cdot \frac{d\omega}{dt} \cdot d\varphi = I \cdot \omega \cdot d\omega =$$

$$\omega_0$$

$$A = \int dA = \int_{\omega_0}^{\omega} I \omega d\omega = \frac{1}{2} I \omega^2 =$$

$$z = \frac{1}{2} \cdot m R^2 \cdot \omega_0^2 = \frac{m R^2 \cdot \omega_0^2}{4}$$