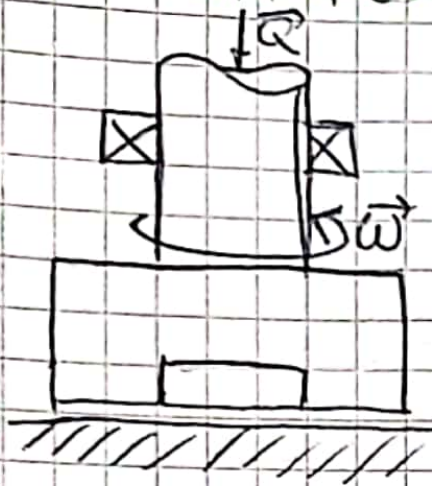


COPPIA ROTOIDALE SPINGENTE ASCIUTTA



HP REYE:

$$\frac{d\delta}{dt} = \frac{f}{\tau_k} \rho(r) \cdot W = \frac{f}{\tau_k} \rho(r) \cdot W \cdot r$$

$$\frac{d\delta}{dt} = \text{cost.} \rightarrow \rho(r) \cdot r = C$$

CARICO

$$Q = \int_{R_i}^{R_e} \rho(r) 2\pi r dr \rightarrow Q = 2\pi C (R_e - R_i)$$

$$M_{motore} = \int_{R_i}^{R_e} \rho(r) \cdot 2\pi r dr \cdot f \cdot r = 2\pi f C \left[\frac{R_e^2}{2} - \frac{R_i^2}{2} \right]$$