

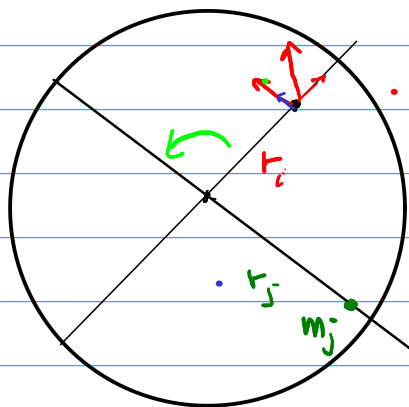
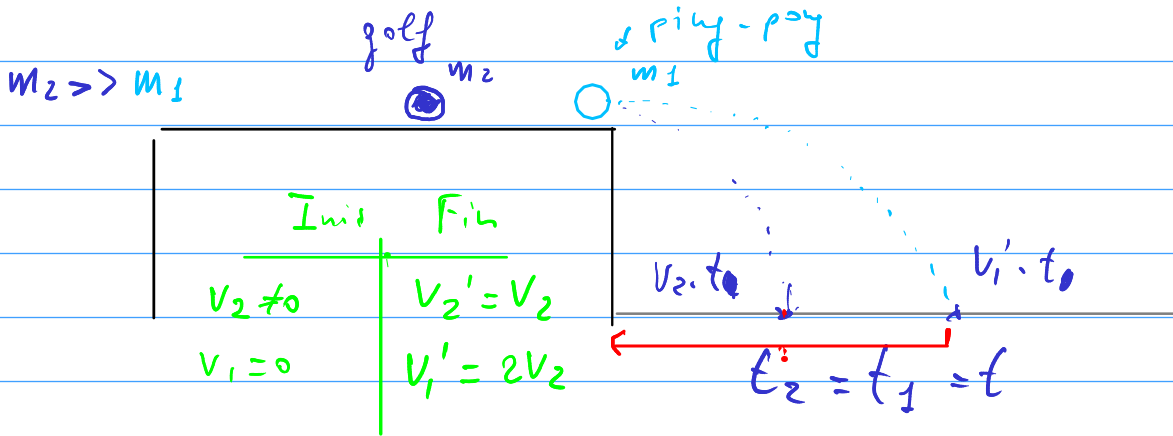
$$E = \frac{1}{2} m v^2$$

$$p = m v$$

$$v = \frac{p}{m}$$

$$= \frac{1}{2} m \frac{p^2}{m^2}$$

$$= \frac{1}{2} \frac{p^2}{m} \xrightarrow{m \rightarrow \infty} 0$$



$\vec{F}_i$  applied in  $r_i$

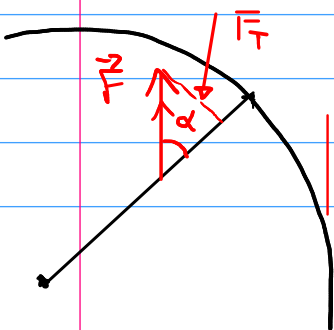
$$dW = F_{T_i} \cdot ds_i$$

$$= F_{T_i} \cdot r_i d\theta_i$$

$$E_c = \frac{1}{2} m v^2$$

$$\frac{dE_c}{dt} = m v \frac{dv}{dt}$$

$$dE_c = m v dv$$



$$|F_T| = |F| \cdot |\sin \alpha|$$

→ Formula (508) etc. ...

$$d\omega = \left( \frac{d\omega}{dt} \right) dt = \dot{\omega} dt \quad (510)$$

$$\dot{\omega} = \frac{d\omega}{dt} = \frac{d^2\theta}{dt^2} \quad \text{second  
order!}$$

$$Q = \frac{F}{m} \quad \longleftrightarrow \quad \dot{\omega} = \frac{\text{"quello che spinge"}}{\text{"inerzia  
di rotazione"}}$$

