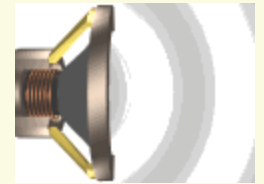


Aula 8: Momento angular

1. Rolamento
2. Conservação do momento angular
3. Energia de rotação



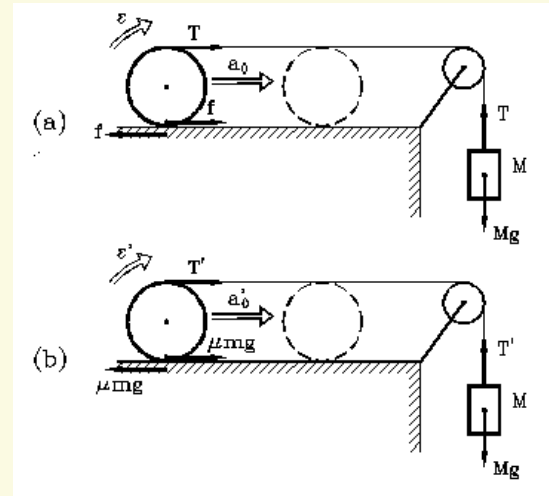
Rolamento: animação



1. Rolamento

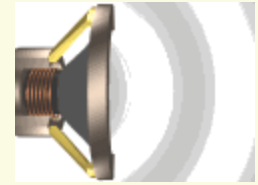
Rolamento sem deslize (animação)

Rolamento com deslize



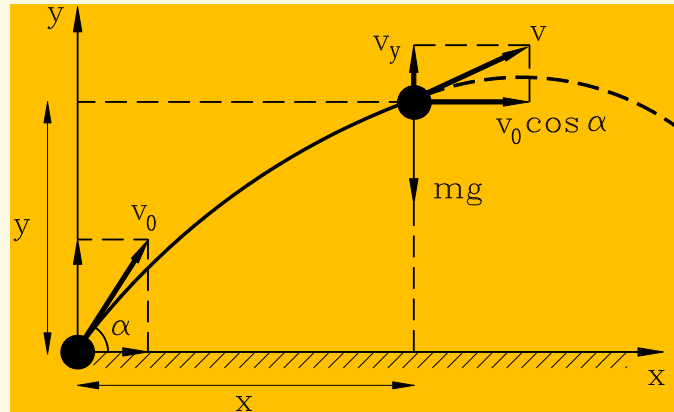
Simulação: baloço

Simulação: momento angular



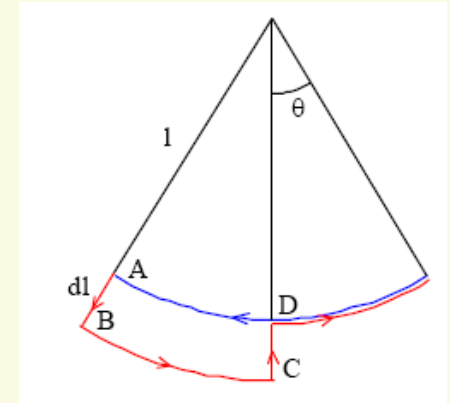
2. Conservação do momento angular

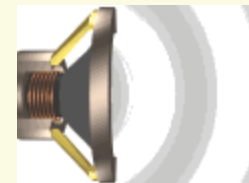
Lei do momento angular



$$\frac{\Delta \vec{L}}{\Delta t} = \vec{\mu}$$

$$I_f \omega_f = I_i \omega_i$$





3. Energia de rotação

$$W = I\epsilon\theta = \frac{I\omega_f^2}{2} - \frac{I\omega_i^2}{2}$$

