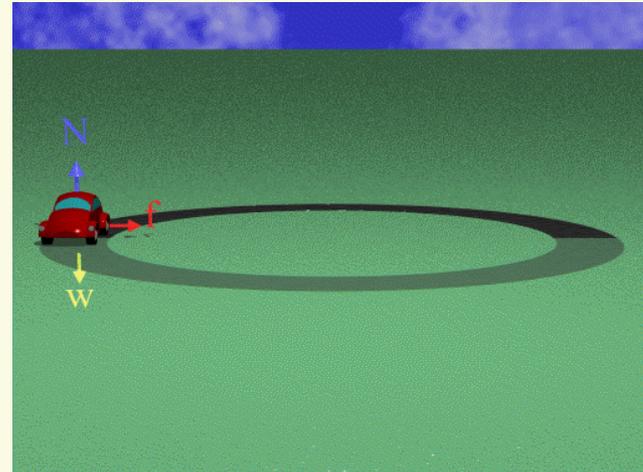
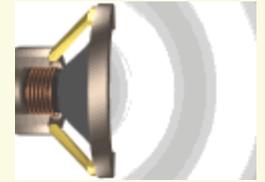


Aula 2: Interação mecânica

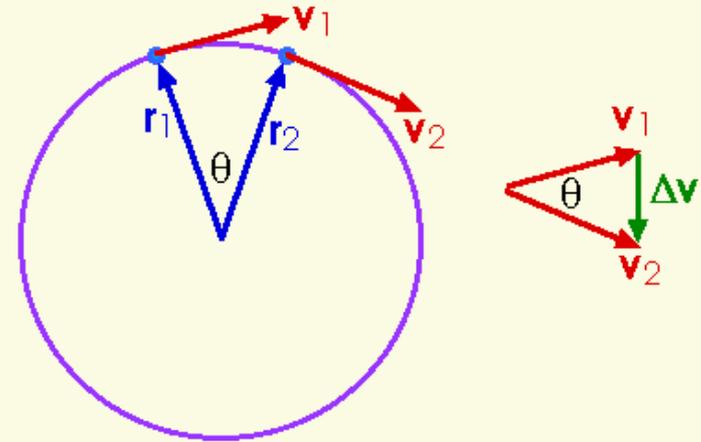
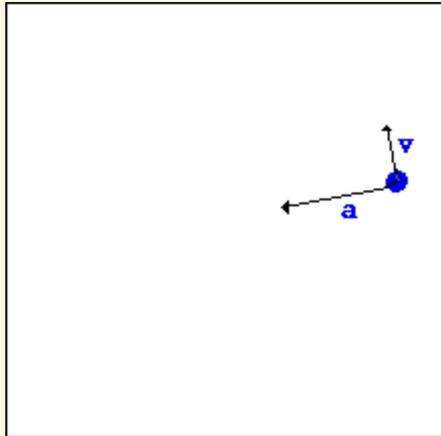
1. Movimento circular
2. Força gravítica
3. Força de tensão
4. Diagrama de forças
5. Forças de contacto



Aceleração normal: animação

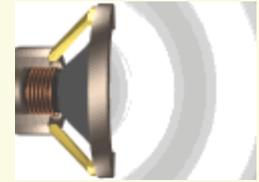


1. Movimento circular

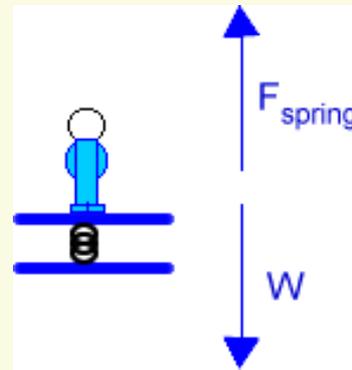
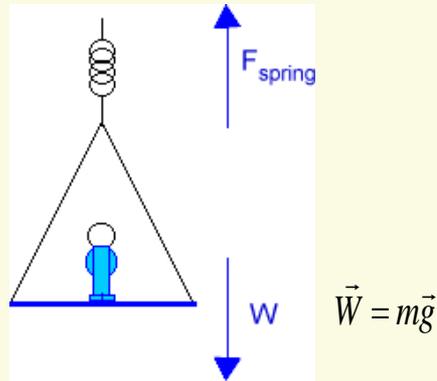


Interacção gravítica: animação

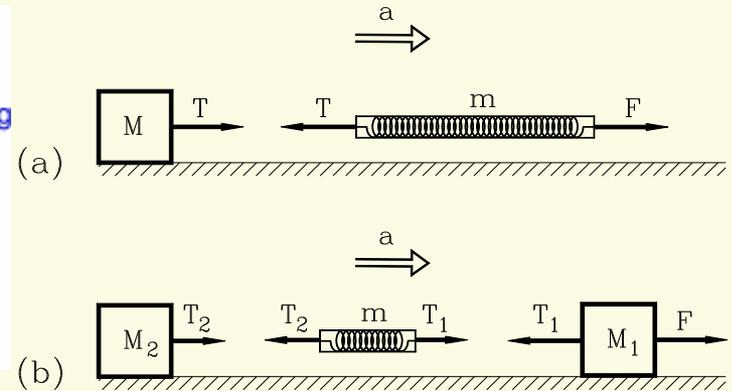
Simulação: tensão e peso



2. Força gravítica

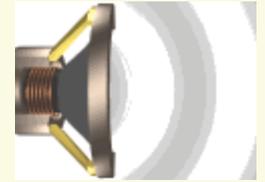


3. Força de tensão



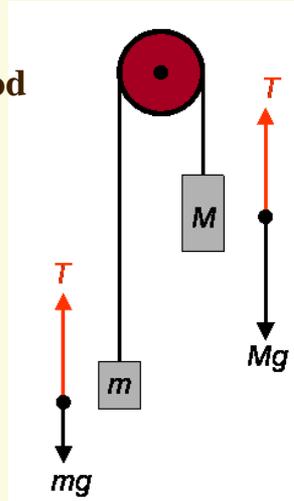
Simulação: máquina de Atwood

Simulação: plano inclinado

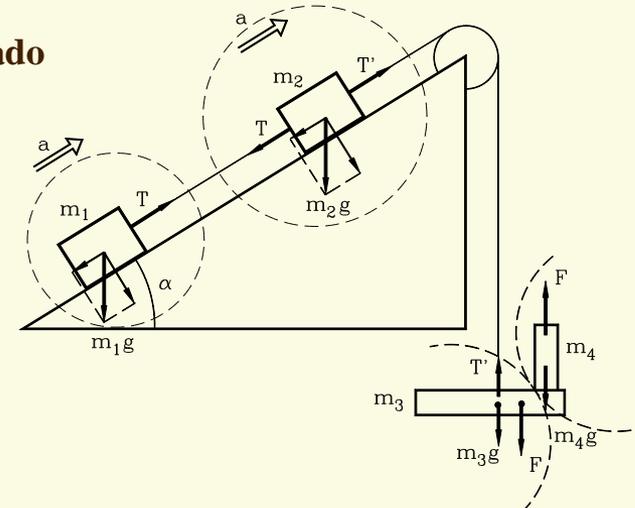


4. Diagrama de forças

Máquina de Atwood

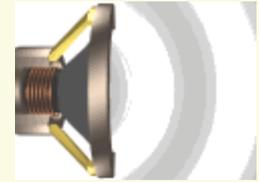


Plano inclinado

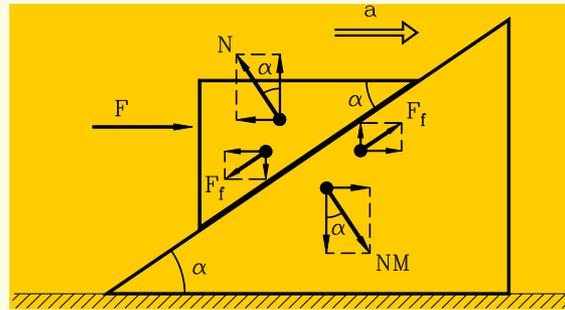


Simulação: atrito estático e cinético

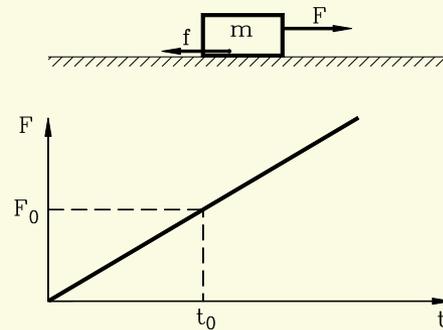
Simulação: atrito no plano inclinado



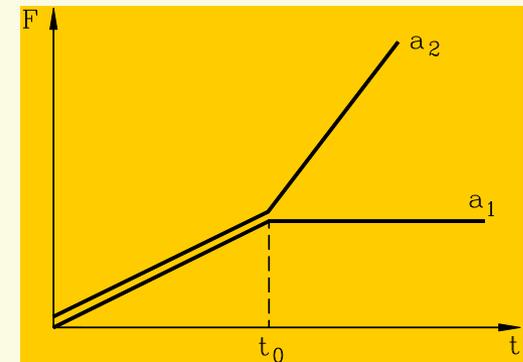
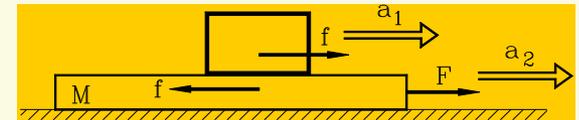
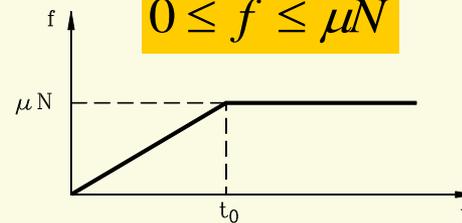
5. Forças de contacto



Força normal



$0 \leq f \leq \mu N$



Força de atrito