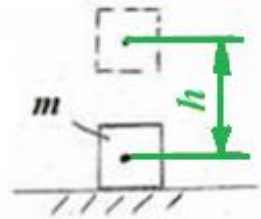


Energieformen in der Mechanik

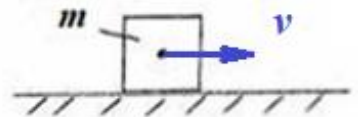
1. **Potentielle
Energie**

$$W_{pot} = m g h$$



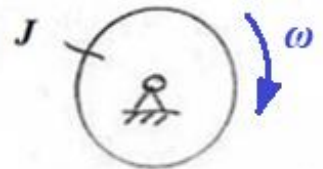
2. **Kinetisch
translatorische
Energie**

$$W_{kin,tr.} = \frac{1}{2} m v^2$$



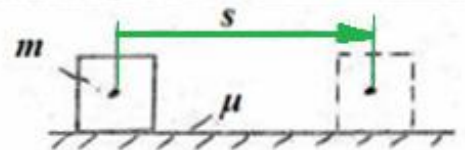
3. **Kinetisch
rotatorische
Energie**

$$W_{kin,rot} = \frac{1}{2} J \omega^2$$



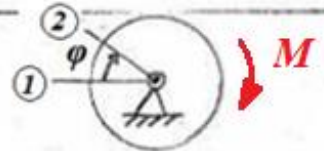
4. **Reibarbeit
Abtriebsarbeit**

$$W_{ab} = F_R \cdot s$$



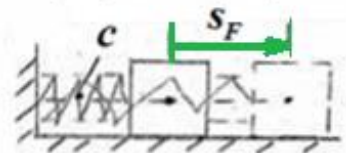
5. **Antriebsarbeit
rotatorisch**

$$W_{an} = M \cdot \varphi$$



6. **Federarbeit**

$$W_F = \frac{1}{2} c \cdot s_F^2$$



7. **Antriebsarbeit
translatorisch**

$$W_{an} = F \cdot s$$

