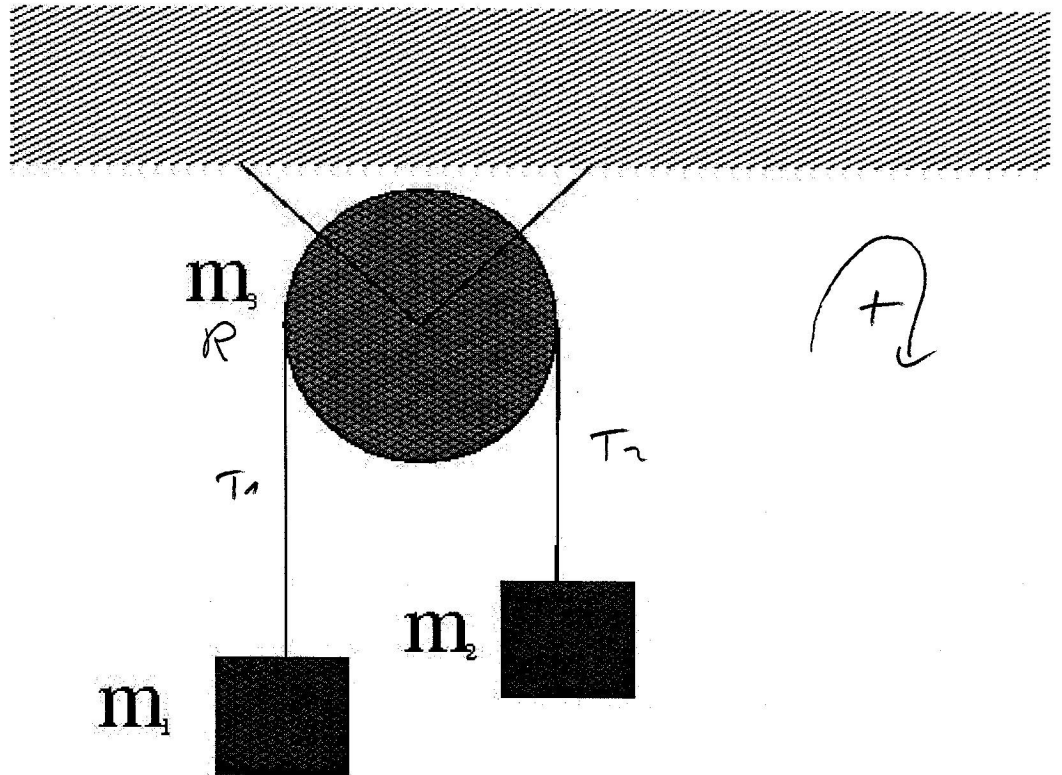


e-22-4-027

g



$$\begin{cases} m_2 g - T_2 = m_2 a \\ -m_1 g + T_1 = m_1 a \\ T_2 R - T_1 R = \frac{1}{2} m_3 R^2 \cdot \frac{a}{R} \end{cases}$$

$$a = g \frac{m_2 - m_1}{m_1 + m_2 + m_3/2}$$