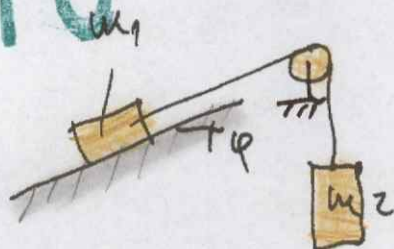


2016



$$\mu = 0,18$$

$$m_1 = 5 \text{ kg}$$

$$m_2 = 10 \text{ kg}$$

$$\varphi = 20^\circ$$

$$98,1$$

$$\begin{array}{r} 98,1 \\ - 4,87 \\ \hline 93,23 \end{array}$$

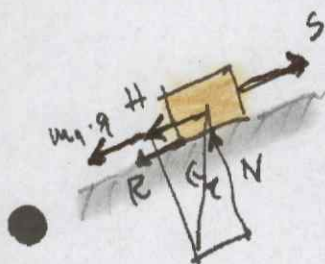
$$S + m_2 \cdot a - m_2 \cdot g = 0$$

$$S = m_2 \cdot g - m_2 \cdot a$$

$$S = 98,1 - 10 \cdot 4,87$$

$$S = 10 \cdot 4,94 = 49,4 \text{ N}$$

$$a = \frac{6}{5} \text{ m/s}^2$$



$$N = G_1 \cdot \cos \varphi$$

$$R = N \cdot \mu$$

$$H = G_2 \cdot \sin \varphi$$

$$R = G_1 \cdot \mu \cdot \cos \varphi$$

$$m_1 \cdot g + H + R = S$$

$$S = m_1 \cdot g + G_1 \cdot \mu \cdot \cos \varphi + G_2 \cdot \sin \varphi$$