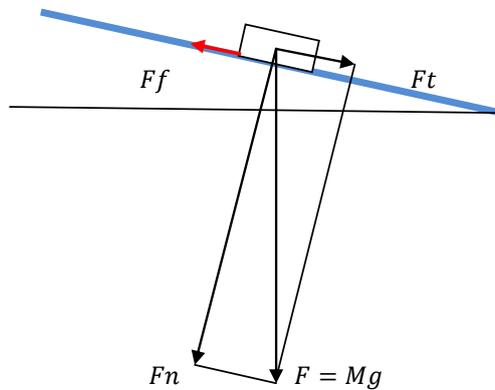


Let's designate: μ - coefficient of kinetic friction,

F_f - friction force,

F_r - equally effective force,

$a = 3.3 \text{ m/s}^2$



$$\begin{cases} Fr = Ma \\ Fr = Ft - Ff \end{cases}$$

$$Fn = F \cos \alpha$$

$$Ft = F \sin \alpha$$

$$Ff = \mu Fn$$

$$Ma = F(\sin \alpha - \mu \cos \alpha)$$

$$Ma = Mg(\sin \alpha - \mu \cos \alpha)$$

$$a = g \sin \alpha - \mu g \cos \alpha$$

$$\mu g \cos \alpha = a - g \sin \alpha$$

$$\mu = \frac{a - g \sin \alpha}{g \cos \alpha}$$

$$\mu = \frac{3.3 - 9.8 \times \sin(17^\circ)}{9.8 \times \cos(17^\circ)} = 0.05$$

Answer: $\mu = 0.05$