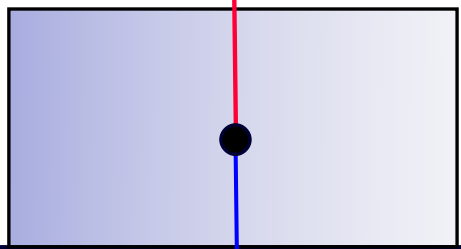
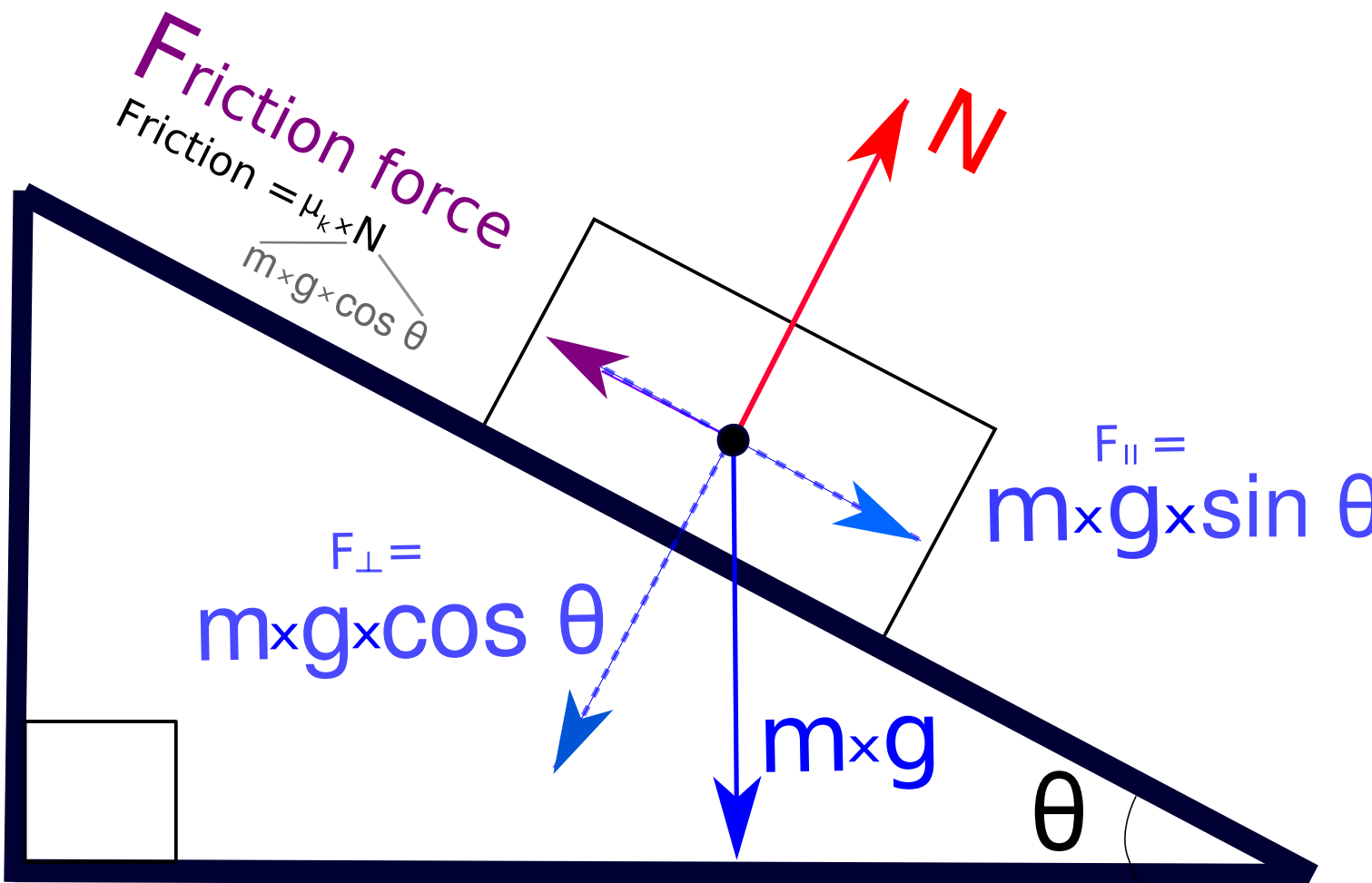


**Normal force** (Normal = Weight)  
 $m \times g$



**mass  $\times$  gravity**  
 $m \times g$

$m \times g$  is also considered to be the **weight** of an object



**Friction force**  
Friction =  $\mu_k \times N$

$F_{\perp} = m \times g \times \cos \theta$

$F_{\parallel} = m \times g \times \sin \theta$

$\theta$