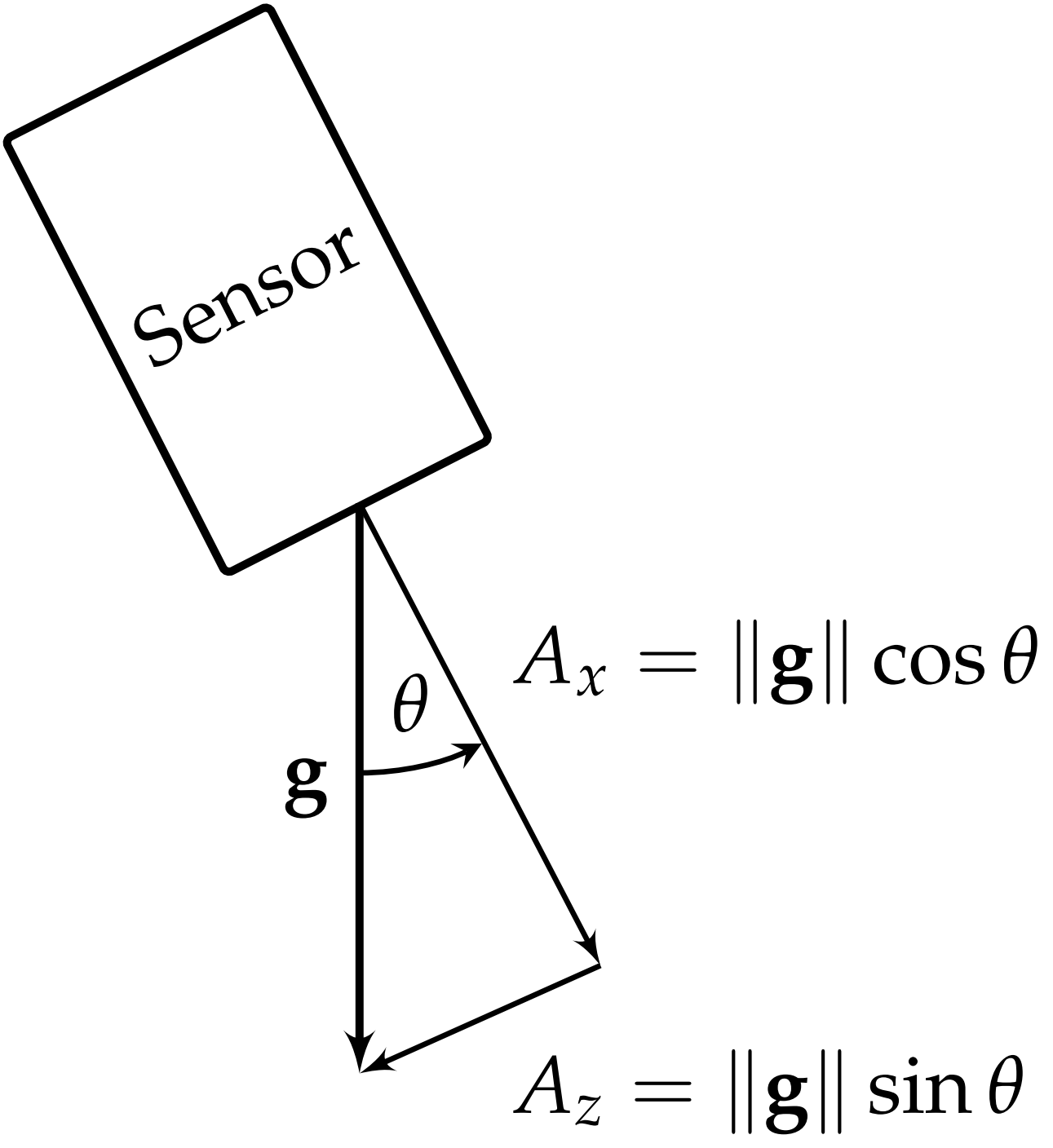
Sensor
θ
$\mathbf{g}$
$A_x = \|\mathbf{g}\| \cos\theta$
$A_z = \|\mathbf{g}\| \sin\theta$