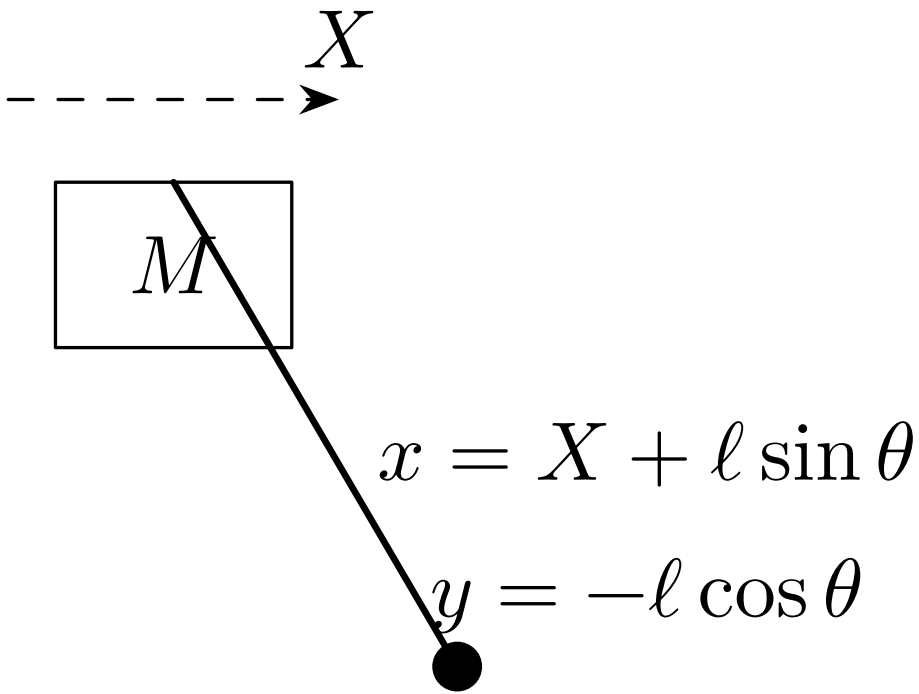

X
M
$x = X + \ell \sin\theta$
$y = -\ell \cos\theta$