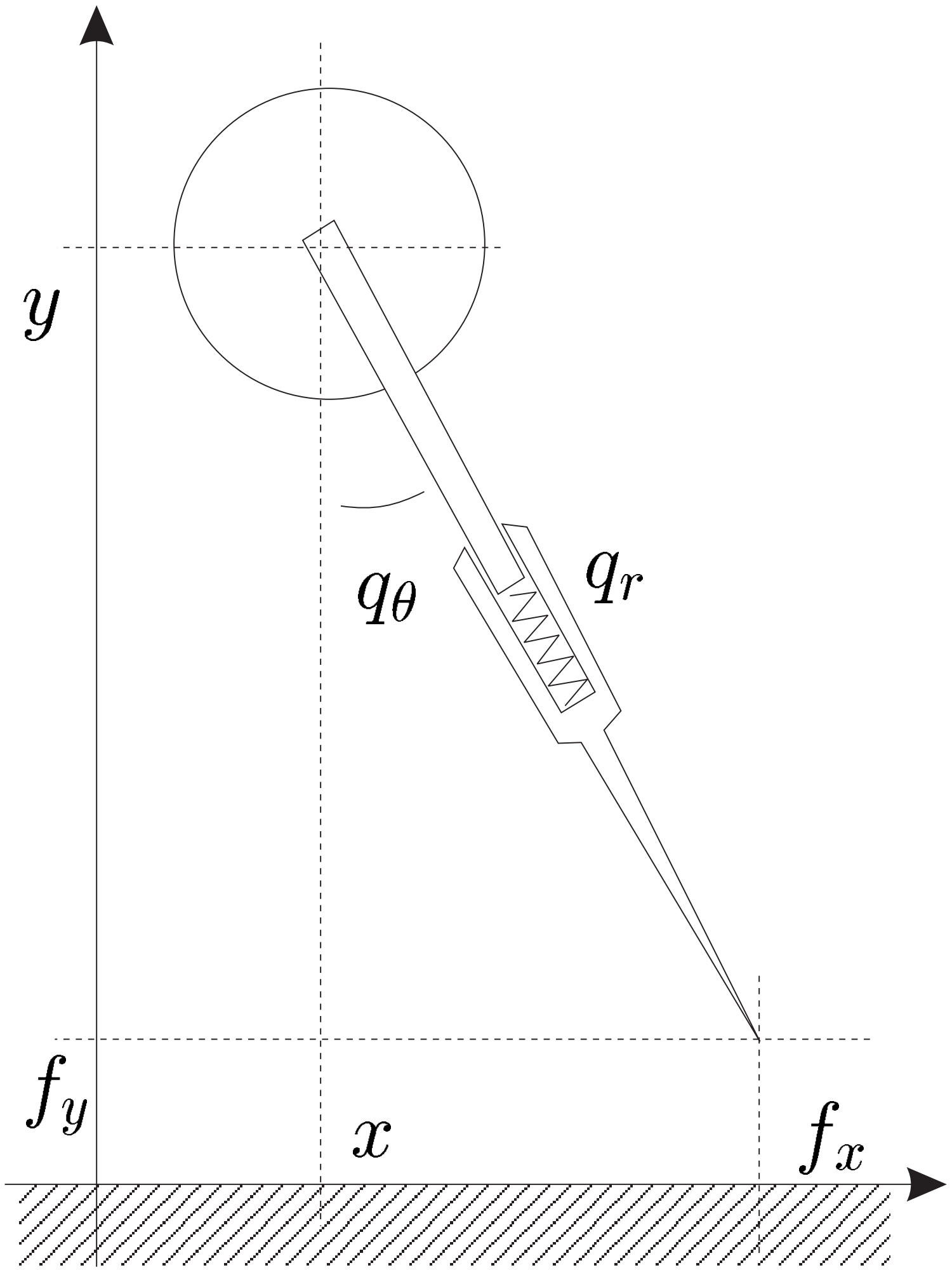
y
q_θ
q_r
f_y
x
f_x