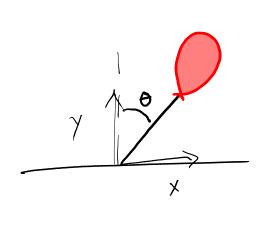


$$myco90 - N = \frac{mv^2}{R}$$

$$-\frac{mv^2}{R} + mg\cos\theta = N \ge 0$$

$$\frac{v^2}{R} = g\cos\theta$$



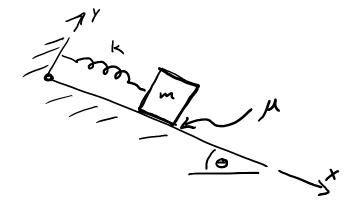
$$- \int_{0}^{m_{x}} m_{x} = \int_{0}^{m_{x}} m_{x} = \int_{0}^{m_{x}} m_{x}$$

$$tano = \frac{Y}{x}$$

$$\frac{d}{dt}(r^2) = 0 = \frac{d}{dt}(x^2 + y^2) = 2xx^2 + 2yy^2$$

$$\frac{d}{dt}(2xx+2yy) = 2x^2+2y^2+2xx+2yy=0$$

$$\hat{e}_r \rightarrow -T + mg \cos \theta = m(-r\dot{\theta}^2)$$



$$\frac{x}{x} + \frac{\kappa}{m}x = -\mu g \cos \theta \frac{\dot{x}}{|\dot{x}|} + g \sin \theta$$

$$\widehat{D} : X_{H} + \frac{K}{m} X_{H} = 0 \quad \longleftarrow \quad \omega^{2} = \frac{K}{m}$$

$$(2) \times p + \frac{k}{m} \times p = gsin\theta$$

$$\frac{k}{m} \cdot p = gsin\theta \implies p = \frac{mgsin\theta}{k} = \frac{eq6m}{solin}$$

$$\chi(0) = \chi_G = A + \frac{\text{magaine}}{K}$$