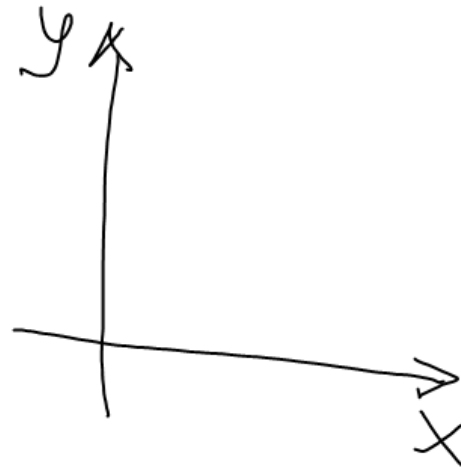


<http://ursularias.com/ECUACIONES.htm>

todo aquel problema que
 involucre el cambio

$$\left. \frac{dy}{dt} \right\}$$

$$\frac{d^2y}{dt^2} = -g$$

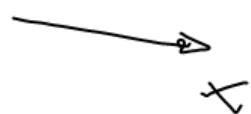
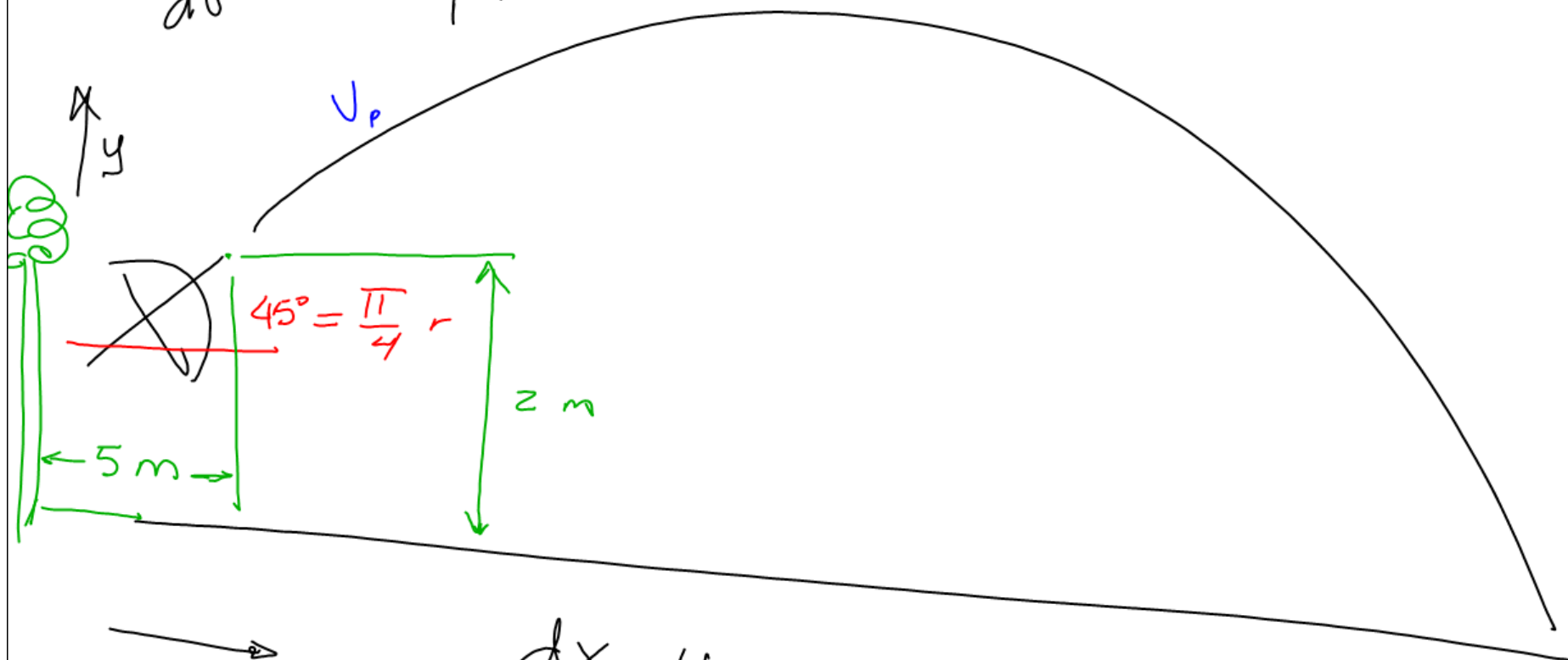


$$F\left(t, y(t), \frac{dy}{dt}, \frac{d^2 y}{dt^2}, \dots\right) = 0$$

$$\frac{d^2 y}{dt^2} + g = 0 \quad y(t)$$

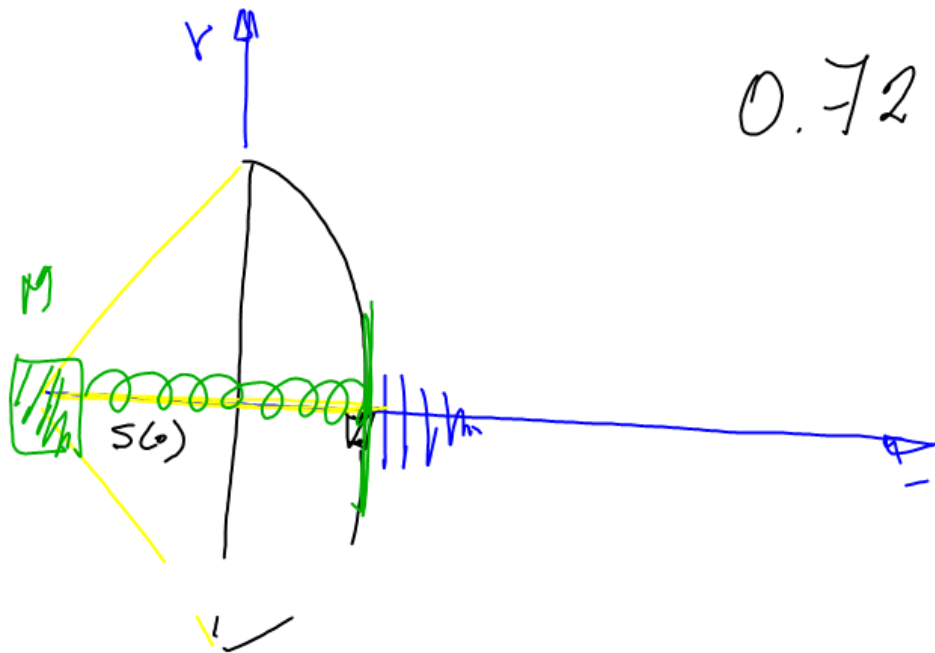
$$X^2 + 8X + 4 = 0$$

$$\frac{d^2y}{dt^2} = -g \quad \left\{ \begin{array}{l} y(0) = 2 \text{ m} \\ y'(0) = V_0 \sin\left(\frac{\pi}{4}\right) \end{array} \right.$$



$$\frac{dx}{dt} = V_0 \cos\left(\frac{\pi}{4}\right)$$

$$x(0) = 5 \text{ m.}$$



$$0.72 - 0.2286 = .4914$$

$$F = m \frac{d^2 s}{dt^2}$$

$$-ks = m \frac{d^2 s}{dt^2}$$

$$s(0) = -0.4914$$

$$H = \frac{19. \text{ kg}}{0.50}$$

$$P_{\text{mad}} = 0.020 \text{ kg}$$

$$P_{\text{al-lig}} = 0.022 \text{ kg}$$

$$P_{\text{al-pes}} = 0.1030 \text{ kg}$$