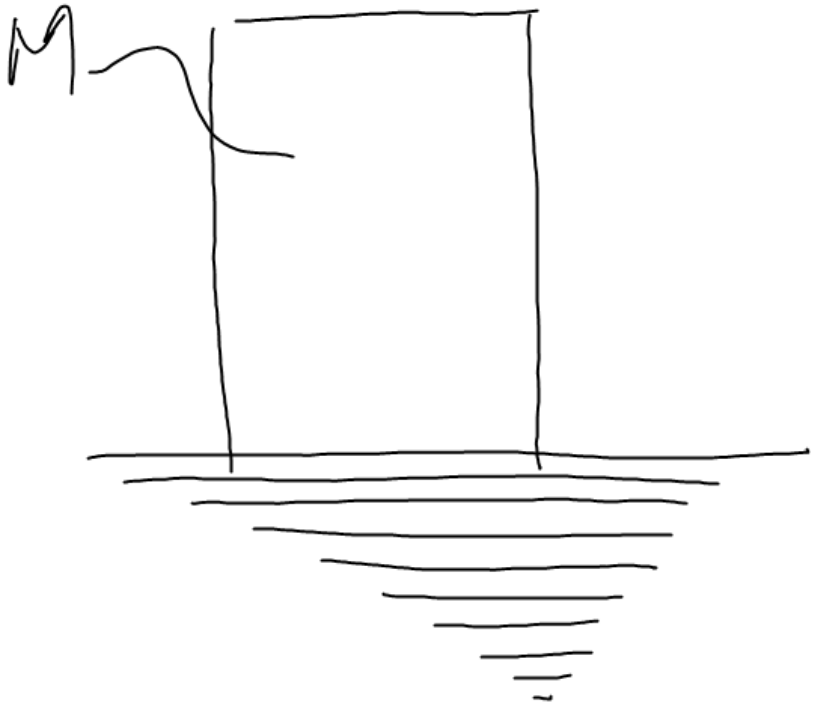
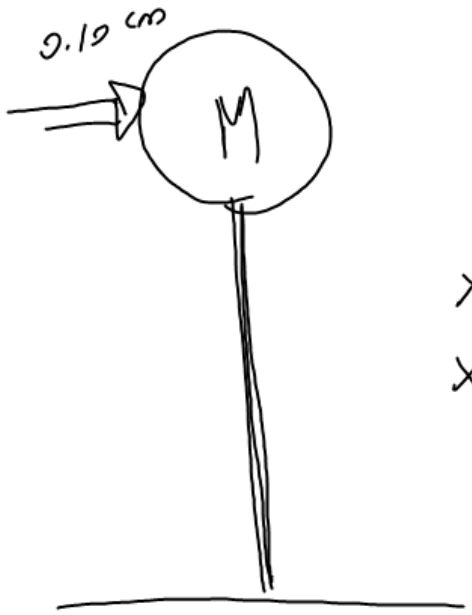




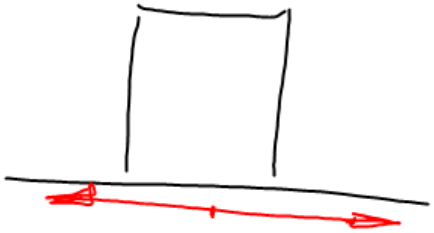
$x(0) = 0.10$

$x'(0) = 0$

2 EDOL(2)cc 4.

$$\frac{d^2x}{dt^2} + a_1 x = 0$$

$$m^2 + a_1 = 0 \quad m_{1,2} = \begin{cases} -\sqrt{a_1}\,i \\ \sqrt{a_1}\,i \end{cases}$$



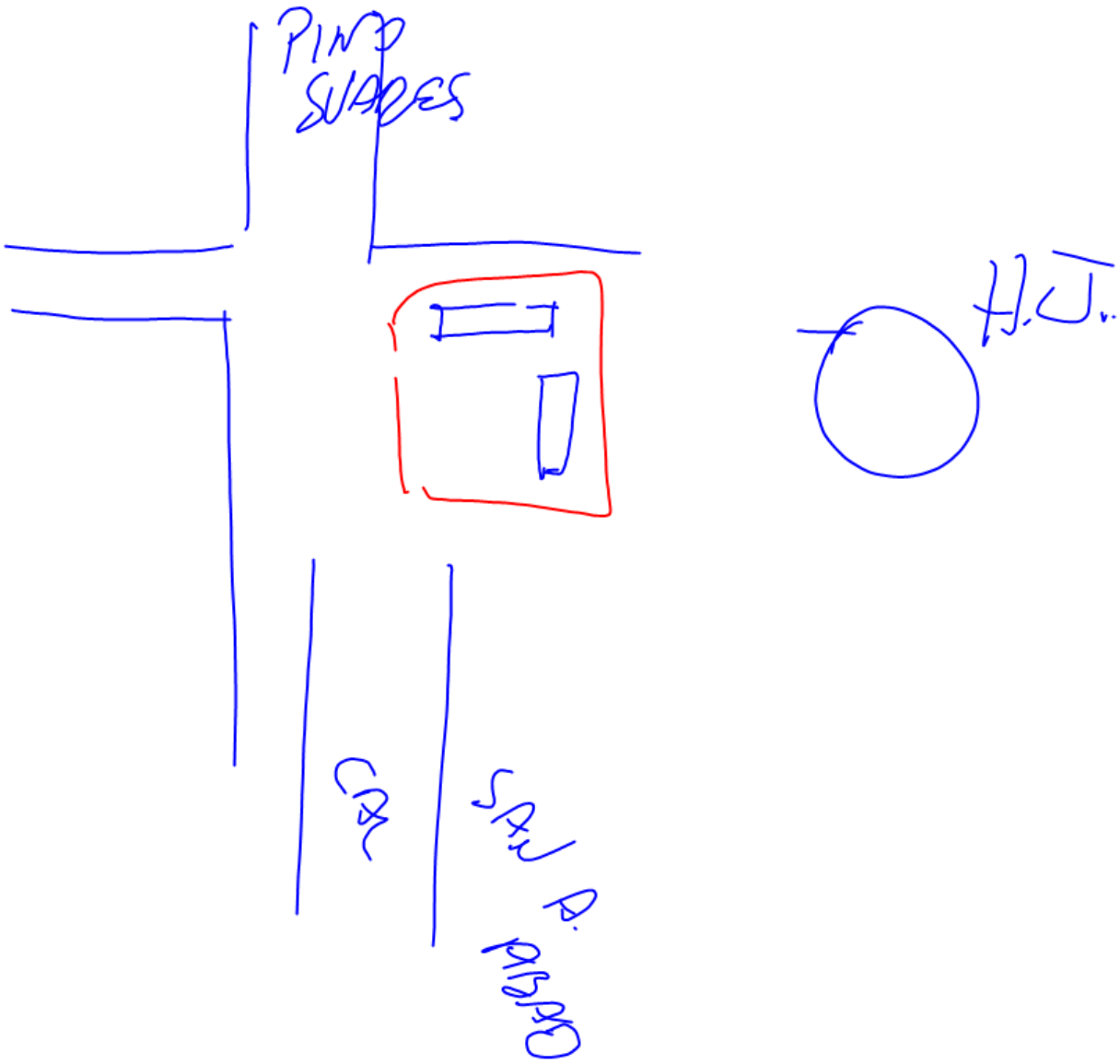
$$\frac{d^2x}{dt^2} + \mu_1 x = F_T$$

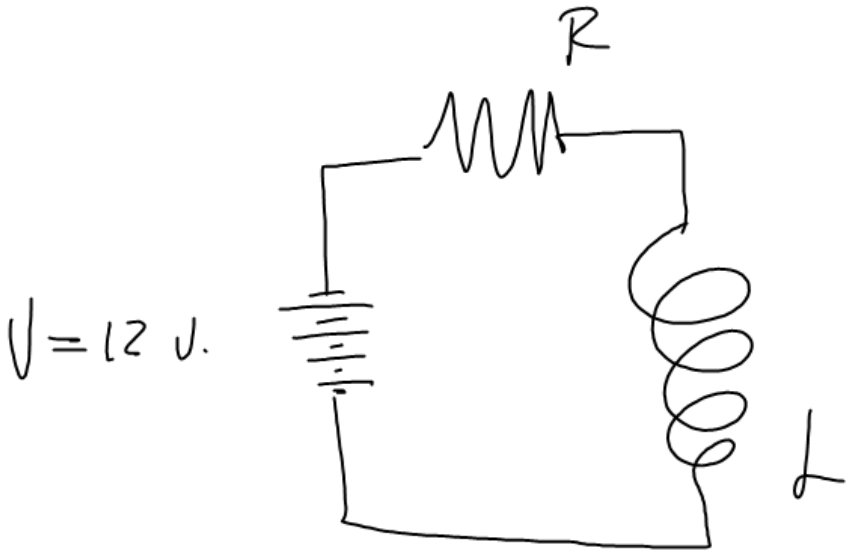
EDO (2) L cc NH

$F_T = B \operatorname{sen}(\omega t)$

$d_T = 20$ seg

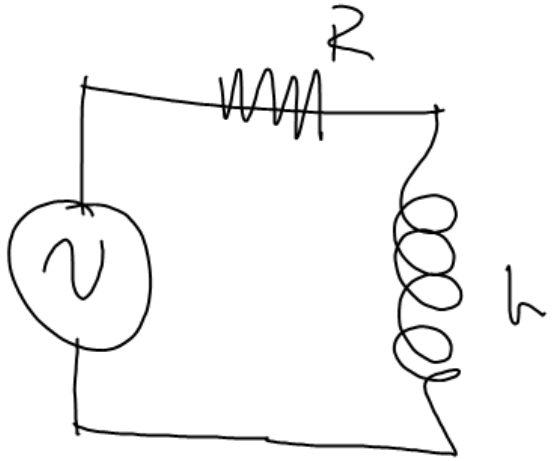
RESONANCIA


PINO SUAREZ
H.J.
CAL
SAN A. ABAD

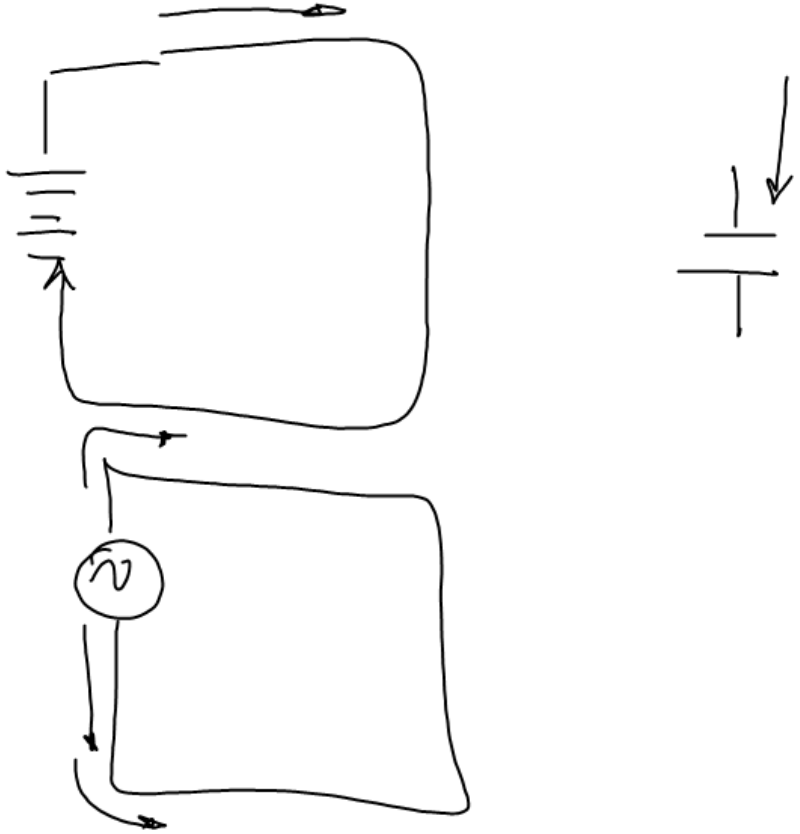


$$V = Ri + L\frac{di}{dt}$$

$$L\frac{di}{dt} + Ri = 12\ V.$$

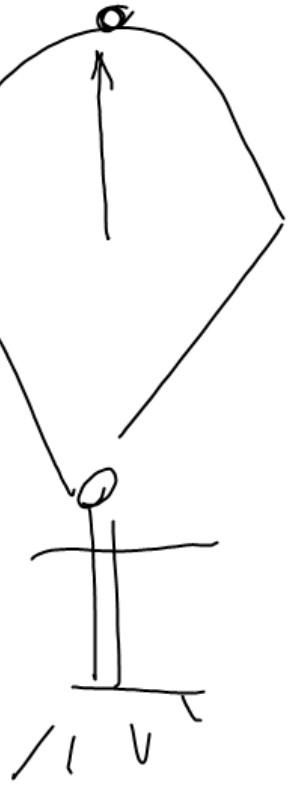


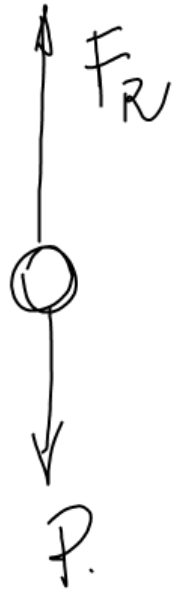
$$L\frac{di}{dt} + Ri = 127\,\mathrm{sen}\left(60(2\pi t)\right)$$

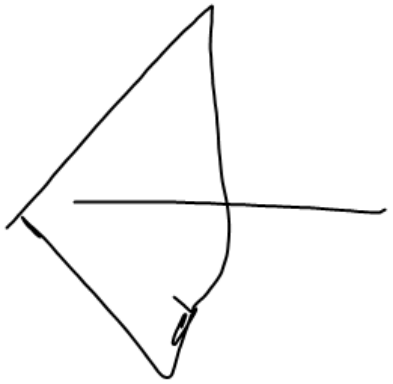


$$\frac{d^2y}{dt^2} = -g + F_r$$

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



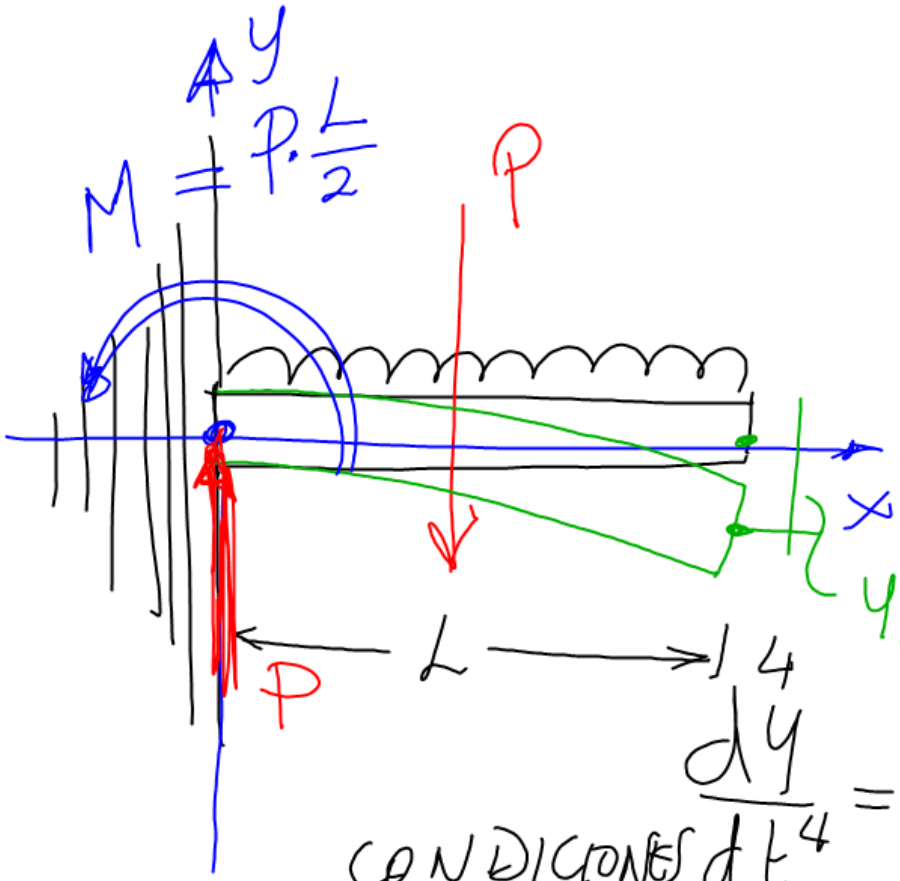




$$M\frac{d^2s}{dt^2} + Hs = 0$$

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

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



$$\frac{dy}{dt^4} = 0$$

CONDICIONES INICIALES

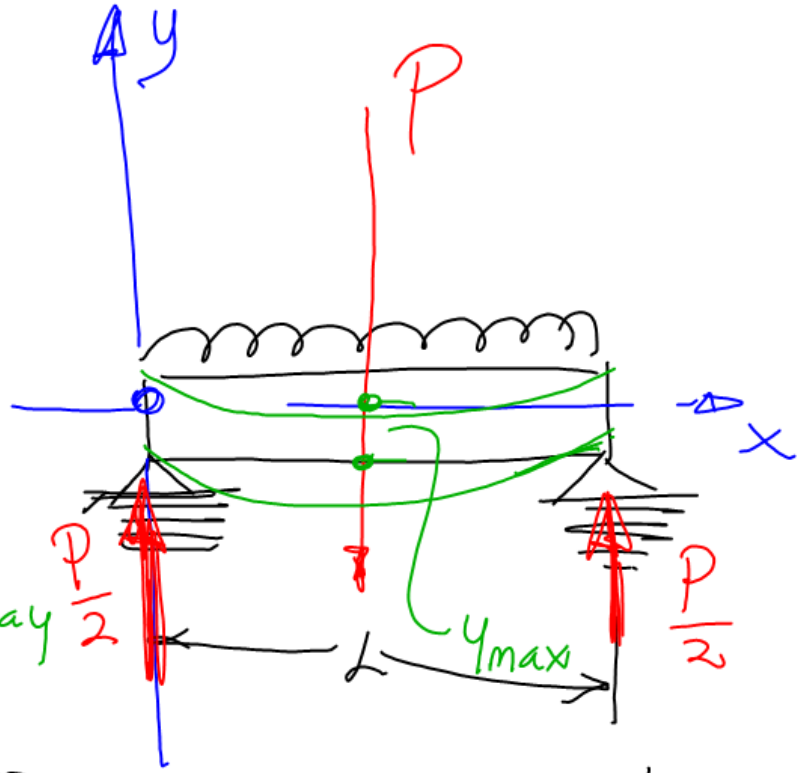
$x = 0$

$y(0) = 0$

$y'(0) = 0$

$y''(0) = P$

$y'''(0) = P \cdot \frac{L}{2}$



$x = 0$

$y(0) = 0$

$y''(0) = \frac{P}{2}$

$x = L$

$y(L) = 0$

$y''(L) = \frac{P}{2}$

CONDICIONES DE FRONTERA