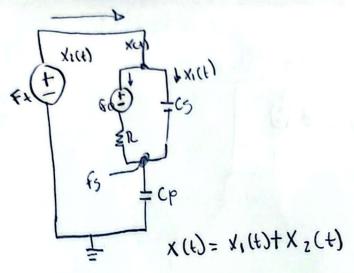
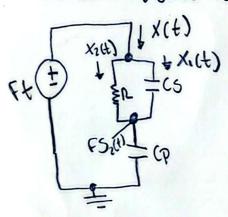
Circulto dédico

Modelado



Analysis agagado Fo (Por nodos)



$$x(t) = x, (t) + x_{1}(t)$$

$$x(t) = c_{p} \frac{d[f_{s}ct]}{dt}$$

$$x_{1}(t) = c_{s} \frac{d[f(t) - f_{s}(t)]}{dt}$$

$$x_{2}(t) = f(t) - f_{s}(t)$$

$$R$$

(Coloponal)

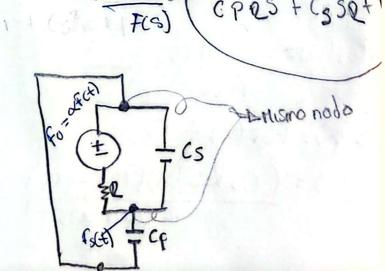
Transformada de la place:

$$Cp s F_s(s) = Cs S[F(s) - F_s(s)] + \underbrace{F(s) - F_s(s)}_{p}$$

Agrupor:

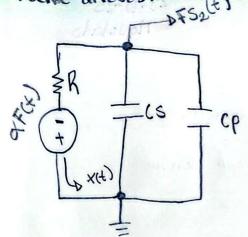
$$\frac{F_{s(s)}}{F(s)} = \frac{(s+1)}{CPs+Cs+1}$$

$$F_{S1}(s) = \frac{(C_8R+1) F_{CS})}{P(C_8+C_p)_8+1}$$



tuente alreves:

Da la voerta a la sucrte:



EC. Auropales:

$$-\alpha F(t) = R \times (t) + \frac{1}{Cs+CP} \times (t) dt$$

$$\overline{F}(t) = \frac{1}{Cs+CP} \times (t) dt$$

-
$$\alpha F(s) = R x(s) + x(s)$$
(Cs + (p) s

$$F_0(s) = \frac{x(s)}{(cs+cp)s}$$

$$F(s) = -\frac{R(cs+cp)s+1}{\alpha(cs+cp)s} \times (s)$$

$$\frac{F(s)}{F(s)} = \frac{x(s)}{(cs+cp)s+1}$$

$$\frac{x(s)}{(cs+cp)s+1}$$

$$F_{52}(s) = - \propto F(s)$$

$$A(cs+cp)s+1$$

$$Fs(s) = Fs(s) + Fs(s)$$

XXS

$$\frac{F_{s(s)}}{F(s)} = \frac{C_s R_s + 1 - \alpha}{R(c_0 + C_s)_s + 1}$$

: Drago de lagha:

Stateme invocatoe squetetico

Yukona

O Estabilidad del sistema en las aberto:

Modelado Pract#3

Pavametro Control Caso

D Calculo de los polos: A) control

$$S = -\frac{1}{(100)(100 \times 10^6) + (100)(10 \times 10^6)}$$

· Error en estado estacionario