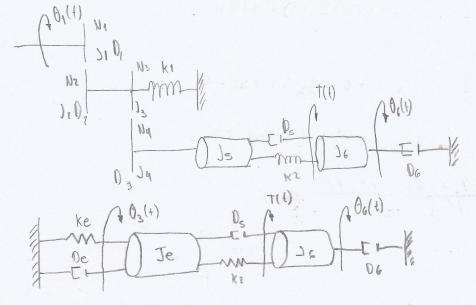
Celaya Gamaler Dovid Alejandro

316608 196

Pora el sistema intocional de la Pig en ovent re las ecuaciones dirámicas N.=N3=8, Nz=16, N4=24.

D=último digito de número de cuenta, si es cero usar 1, kz=parnillimo número de cuenta, si es cero usar z, todos 195 2-1 k1=kz



$$\int_{C} e = \left[ \int_{0}^{1} dt + \int_{0}^{1} dt + \left( \int_{0}^{1} dt + \int_{0}^{1} dt + \left( \int_{0}^{1} dt + \int_{0}^{1} dt + \left( \int_{0}^{1} dt + \int_{0}^{0} dt + \int_{0}^{1} dt + \int_{0}^{1} dt + \int_{0}^{1} dt + \int_{0}^{1} dt$$

 $(Jes^{2}+Des+ke+Dss+kz)\theta_{3}(s)-(Dss+kz)\theta_{6}(s)=0...0$   $-(Dss+kz)\theta_{3}(s)+(Ds+D_{6})s+kz+J_{6}s^{2})\theta_{6}(s)=\tau(s)...0$ Sushtuyendo:

$$De = (1+1+(2)(\frac{24}{8})^2 + (1)(\frac{24}{8})^2(\frac{16}{8})^2) = \frac{56}{8}$$

$$De = 6(\frac{16}{8})^2(\frac{24}{8})^2 + 6(\frac{24}{8})^2 + 6 = 276$$

$$Ke = 9 \left(\frac{24}{8}\right)^2 = 81$$

Susten: 1

$$(565^{2} + 2765 + 81 + 63 + 9)\theta_{3}(5) - (65 + 9)\theta_{0}(5) = 0$$
  
 $(565^{2} + 2825 + 90)\theta_{3}(5) - (65 + 9)\theta_{6}(5) = 0$   
Sust en  $\textcircled{3}$ :

$$(-6s-9)\theta_3(s) + (12s+9+s^2)\theta_6(s) = T(s)$$

.

Datos:  $N_1 = N_3 = 8$   $N_4 = 24$   $N_2 = 16$  D = 6 $k_1 = k_2 = 9$  J = 1 2) Escriba la función de transferencia para el voltaje de entrada Vi y el voltaje de la resistencia R G(s) = Vr(s)/Vi(s), C1=1, C=Z, C2=Z, R=OHimo digito de número de cuenta si es cero R=3

Mallaz:

$$-(25)$$
  $\pm_1(5)$   $+(25+6+1)$   $\pm_2(5)=0$ 

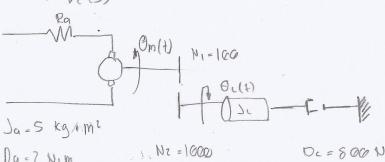
$$[(\frac{1}{5}+75)(25+\frac{1}{75}+6)] - [(-75)(-75)]$$
=  $2^{9}(453+657+1)25+1$ 

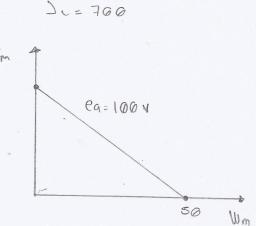
- 75

$$G(S) = \frac{RI_z}{V_1(S)} = \frac{-(S(243^3 + GS^2 + 1725 + 1))}{V_1(S)}$$

IZ = + V1 (5) S(24531652 + 12541)

Para el siguente sist, encontrar una sunción de transferencia donde la salida sea





$$\int_{M} = \int_{Q} + \int_{C} \left( \frac{N_{1}}{N_{7}} \right)^{2} = S + 700 \left( \frac{100}{1000} \right)^{2} = \frac{12}{2}$$

$$\int_{M} = \int_{Q} + \int_{C} \left( \frac{N_{1}}{N_{7}} \right)^{2} = 2 + 300 \left( \frac{100}{1000} \right)^{2} = \frac{10}{2}$$

Da = 7 Wim

$$\frac{KT}{R_M} = \frac{T_{PARMAX}}{V_E} = \frac{KT}{R_M} = \frac{500}{100} = \frac{S_A}{100}$$

$$\frac{N_1}{N_2} = 0.1$$

Salvemos:

Salvemos:

$$\frac{\theta_{m}(s)}{V_{e(s)}} = \frac{kT}{2} = \frac{(s)/(12)}{2(s+1)(10+(5)(2))} = \frac{5/(2)}{2(s+1)(10+(5)(2))} = \frac{5/(2)}{2(s+1)(10+(5)(2)} = \frac{5/(2)$$

$$\frac{\theta_{m}(s)}{V_{c}(s)} = \frac{s/2}{s^{2} + s/3s} = \frac{sabemos'}{\theta_{m}(s)} = \frac{N_{z}}{\theta_{m}(s)} \frac{\theta_{c}(s)}{N_{z}} = \frac{N_{z}}{N_{I}} \frac{\theta_{c}(s)}{\theta_{c}(s)}$$

$$\frac{|Q_{c}(s)|}{|V_{c}(s)|} = \frac{1/10}{|S^{2}|} = \frac{1/24}{|S^{2}|} = \frac{1}{|S^{2}|}$$

$$V_{c}(s) = \frac{1/10}{|S^{2}|} = \frac{1/24}{|S^{2}|} = \frac{1}{|S^{2}|}$$