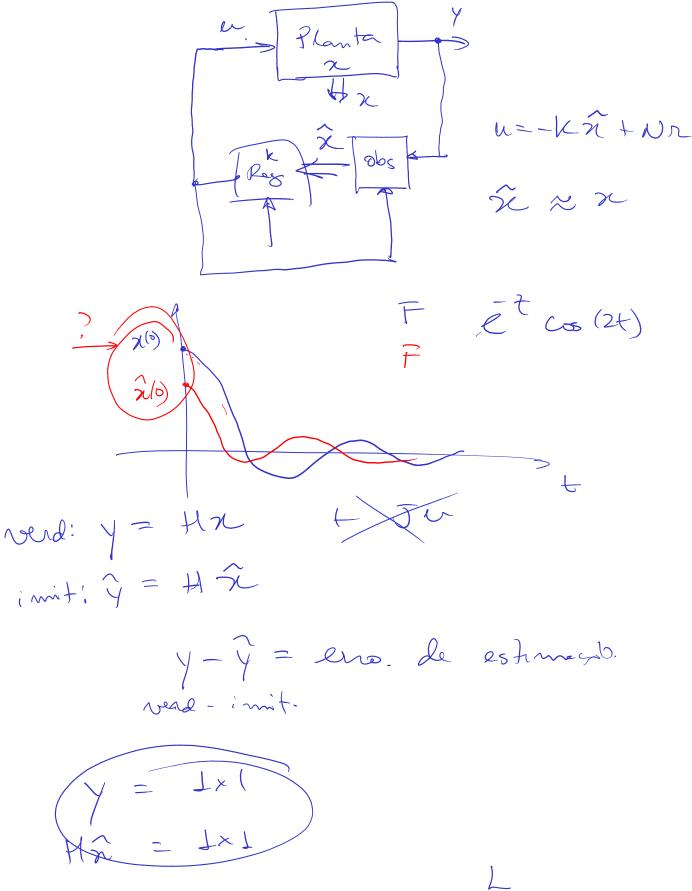
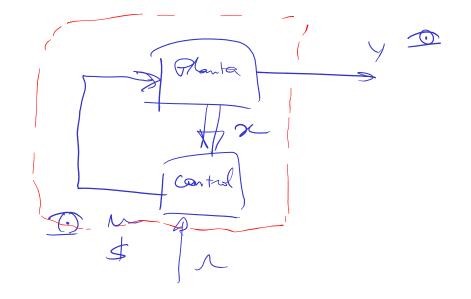
L'épage de este les MX M n= Fr+ Gn y= Ha+ Jn $M \times I$ 6 \mathcal{H} JXM JxJ FCC & Func. transf. controletoilidale 6= [G 76 FG ...] Roguledon: M= - Kx k Ixm Roguldon of reference M= -Kx+ Nr $N = N_{\times} K + N_{\sim}$ Escolle le polos. polos dominants: 2 (complexa) () My (?) V J×2 2 dominants. M = 3K=> 1×3 2 dominantes +3 extres.x ? n= 5 k=> 1×5

Extres 51P1 de lixo i megi ~ no +3extras.



 $\left(\begin{array}{c} \\ \\ \end{array}\right) = \left(\begin{array}{c} \\ \\ \end{array}\right) + \left(\begin{array}{c} \\ \\ \end{array}\right) \circ_{1\times 1}$



Si61:
$$\hat{n} = Fn + Gn : y = Hn$$

Obsv: $\hat{n} = F\hat{n} + Gn + L(y - H\hat{n})$
 $ext{cons}: e = x - \hat{x} = \sum_{i=1}^{n} \hat{x} - \hat{x}$
 $\hat{n} = F\hat{n} + Gn + L(x - H\hat{n})$
 $= F\hat{n} + Gn + LH(x - \hat{n})$
 $\hat{n} = F\hat{n} + Gn + LH(x - \hat{n})$
 $\hat{n} = F\hat{n} + Gn + LH(x - \hat{n})$
 $\hat{n} = F\hat{n} + Gn + LH(x - \hat{n})$
 $\hat{n} = F(x - h) - LH(x - \hat{n})$
 $\hat{n} = F(x - h) - LH(x - h)$
 $\hat{n} = F(x - h) - LH(x - h)$

F- CM > regulation

F- CM > (observation)

(187: medon.)

 $\frac{200}{1000}$ $\frac{200}{1000}$ $\frac{200}{1000}$ $\frac{200}{1000}$ $\frac{200}{1000}$ $\frac{200}{1000}$ $\frac{200}{1000}$

$$F = \begin{pmatrix} 0 & 1 \\ -\omega^{2} & 6 \end{pmatrix} \qquad H = \begin{pmatrix} 1 & 0 \\ \ell_{2} \end{pmatrix} = \begin{cases} 2 \\ \ell_{2} \end{pmatrix} = \begin{cases} 2 \\ \ell_{2} \end{pmatrix} = \begin{cases} 2 \\ -\omega^{2} & 0 \end{pmatrix} = \begin{pmatrix} \ell_{1} \\ \ell_{2} \end{pmatrix} \begin{pmatrix} 1 & 0 \\ \ell_{2} & 0 \end{pmatrix} = \begin{pmatrix} -\ell_{1} \\ -\omega^{2} & -\ell_{2} \end{pmatrix} \begin{pmatrix} -\ell_{1} \\ -\omega^{2} & -\ell_{2} \end{pmatrix} = M$$

$$= \begin{pmatrix} -\ell_{1} \\ -\omega^{2} & -\ell_{2} \end{pmatrix} = M$$

$$= \begin{pmatrix} -\ell_{1} \\ -\omega^{2} & -\ell_{2} \end{pmatrix} = S(\beta + \ell_{1}) - (-1)(\omega^{2} + \ell_{2})$$

$$= \begin{pmatrix} -\ell_{1} \\ -\ell_{2} \end{pmatrix} = S(\beta + \ell_{1}) - (-1)(\omega^{2} + \ell_{2})$$

$$= S^{2} + \ell_{1} + \ell_{2} + \ell_{2}$$