SMPH

150 EW

el alor à 1=0

400 V

15=1,+=1

50H &

Missa, Eo

4 pula 45 = 0.03

6-1 alw je 13 = 1

X00 = 0.05

E 6 = Eo(a)

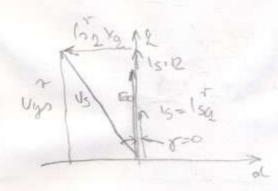
Xmd = 0,2

of i Us zon max M

X mg = 0.5

14=2

US=1



a) 
$$X_d = X_{mol} + X_{mi} = 0.25$$
  
 $X_k = X_{mol} + X_{min} = 0.55$ 

27 AM

504W

1600 V

56HZ

2 pola

25=0.618 D

X05=0.00

RA 0.022

XEN = 405

Xm= 3.6

a) loy i lom? Sm = 0.02575 so hiers progre ra M=0.5 Mm us Un 201 musdus opt takester dublite is, sor i Us. Januaryate ropes Autoro der & += 15HZ by int a reco Mnax 10 (06 /xx) 1 ×323 1 54 Mn= 1-on = 1.0264 M=0.5 Mn=0.5/32

0

0

M= 1 m f xm & FF

= 1 1/2 Xm Xr!

=> 1134 = 05261

0

$$|| l_{0}y|| = \frac{1}{|x_{1}|} \frac{|x_{2}|}{|x_{1}|} \frac{|x_{2}|}{|x_{2}|} \frac{|x_{2}|}{|x_{2}|}$$

$$= 0.2676$$

$$|| l_{1}| = \frac{1}{|x_{2}|} \frac{|x_{2}|}{|x_{2}|} \frac{|x_{2}|}{|x_{2$$

## 1 TEHNICK OPTIMUM

- prosiveni optimum ne dolozi

$$w_n = \sqrt{\frac{k_0}{T_1 T_{\Sigma}}}$$
 $\frac{2\xi}{w_n} = \frac{T_1}{k_0}$ 

Myst en telmétei aptenumera : neva abatizma -> trebeja

## 2) SIME THEN OPTIMUM

- tulveneijden borelt. Venetvierne er odrom na men tokker

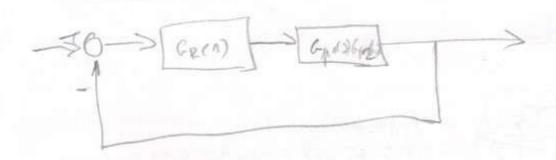
$$p_2 = \alpha_1 \alpha_2 - \alpha_0 \alpha_3 = k_R T_1 T_1 T_1 - k_0 T_2 T_1 T_{\Sigma} > 0$$

$$T_1 - T_{\Sigma} > 0 \rightarrow T_1 > T_{\Sigma}$$

$$\frac{d_{90}(w)}{d_{1}} = -180^{\circ} + \text{ are } + \text{ bre }$$

TT, TE (Go( gwa) =1

3.) OPTIMUM PROSTEUROG ODNOSA



$$C_{\varrho}(s) = k_{\varrho} \frac{\Lambda + T_{i,0}}{T_{i,0}}$$

GOPTZ = D4D3D2TEST + D3D2TES + D2TES2 + TESTA

May  $D_2 = D_3 = D_4 = 0.5$  $T_c \rightarrow G_c C_2 = \frac{1}{1 + T_c 2}$ 

(1) TI (Ke+0.5) = Te

(21 0.29 Ti = DzTe2

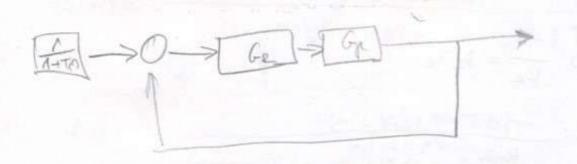
(3) 0.021 TE = 0302 Te3

 $\frac{(3)}{(2)} > \frac{0.021 \frac{T_1}{K_{12}}}{0.25 \frac{T_1}{K_{12}}} = \frac{D_3 b_2^2 T_2^3}{0.25 \frac{T_1}{K_{12}}}$ 

-> Te = 1 0.021

Te = 028970

$$\frac{(N)}{(2)} \Rightarrow \frac{\left(k_R + 0.5\right) \overline{k_R}}{0.25 \overline{k_R}}$$



(G) MODULNI OPTIMUM

ap(s) = (40.59)(1+0.08 0+0.0025)

6d= 1+T1D 00005 TI 54 + 0021 TI 3+025 TI 2+ + T (Ket 25) 3+1

Gmod (s) = ann + an 1 num + an + an + an

(1) a1 - 2a0az=0

(2) a2-20,03+2004=0

(B) as2-20204=0

ke=1701

T1=0,20360

## 1. SINETPIÈNI OPTINUM (DIE, DOMENA)

五日日日日日日日日日日

1 TR

E E E E

2 72

2 70

6 6 6

200

25

111

200

25

, KEGULATOR (DISCRETIZACIA)

$$a^{\times} = \frac{T_i}{T_i \neq T}$$

PHOCES (DISKRETIZACINA)

$$= \frac{k_{0}}{a^{*}} \frac{(1-a^{*})+(1+a^{*})}{a^{*}} a^{*} = \frac{k_{0}}{1+a^{*}} \frac{(1-a^{*})+(1+a^{*})}{a^{*}} a^{*} = \frac{k_{0}}{1-a^{*}} \frac{1+a^{*}}{1-a^{*}} \frac{1}{2}$$

Le i Ti

MODELSKA FOR

-> okan je priznam A-je z. rada -> alsenor je proz

## OPER INTERPRET