$$w_n = \frac{51}{30} u_n = 120.43 \text{ val/s}$$

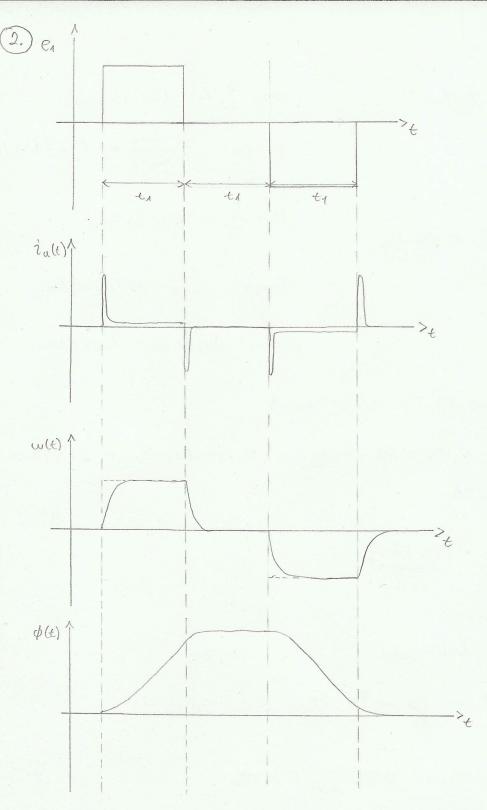
$$Ce = Cu = \frac{U_u - I_u R_u}{\omega_u} = 1.7521 \text{ Vs/rad}$$

News = Mex+ Mer, un = 31.047 Nun

W2 = 
$$\frac{U_{02} - I_{02} R_{01}}{Ce^{i}} = \frac{U_{02}}{Ce^{i}} - \frac{R_{0}}{Ce^{i}} \frac{M_{eur_{2}}}{Cu^{i}}$$

$$\omega_2 C_e^{\frac{1}{2}} = U_{02} - \frac{R_0}{C_{uv}} \left( M_{ev,vu} + 0.1 M_u \right) - \frac{R_0}{C_{uv}^{\frac{1}{2}}} \frac{0.4 M_u}{\omega_u^2} \omega_2^2$$

$$\omega_2^2 \left( \frac{R_u}{c_m^2} \frac{O.4M_u}{\omega_n^2} \right) + \omega_2 c_e^2 + \frac{R_u}{c_m^2} \left( M_{en} \omega_n + O.4M_u \right) - U_{u2} = 0$$



TakkTm -> aperialdi odziv
Tmkta -> prijelazua pojara
gotova prije ta

Ovo vije sasvim točno bodući du straju kvoz tivistor ne može spontano pronjeniti. suger bez noponskog impulsa.

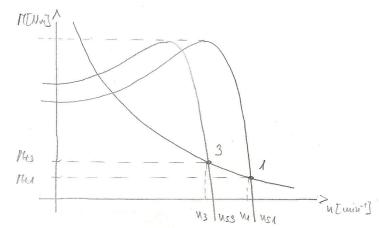
(Tivistor ne provede sve dok nije proposno polariziran.)

Medutin, poprilière san agoran de su ove treženi odzivi.

$$M_{\text{H}} = \frac{P_{\text{H}}}{\omega_{\text{H}}} = 33.39 \, \text{N}_{\text{H}}$$

$$Ms2 = \frac{60f_1}{p} = > f_2 = \frac{Ms2p}{60} = 34.8 MZ$$

b) 
$$M_{43} = 0.5 M_{H} = 16.695 N_{H}$$
  
 $N_{3} = k/M_{43} = 1259.96 \text{ min}^{-1}$ 

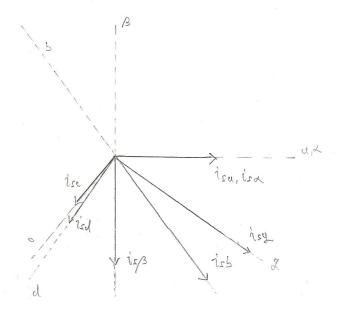


$$\frac{Men}{N_{SH}-N_{H}} = \frac{Men}{N_{SH}-N_{H}} = > N_{SH} = \frac{Men}{Men} (N_{SH}-N_{H}) + N_{H} = 1/31.34 \text{ min}^{-1}$$

a) is 
$$a = \cos p is d - \sin p is g = [23.72A]$$

$$is g = \sin p is d + \cos p is g = [-35.17A]$$

$$i_{sb} + i_{se} = -i_{sa}$$
 $i_{sb} = \frac{1}{2} (5i_{sb} - i_{sa}) = [-42.32A]$ 
 $i_{sb} - i_{se} = 5i_{sa}$ 
 $i_{se} = -i_{sa} - i_{sb} = [18.6A]$ 



Mjerilo vije boš dobro, ali je rasporal o prostoro točan.

Nazivud stroja stroja: isn= \isg2 + isd2 = [42,42 A] 7)

c) N= 3000 min-1

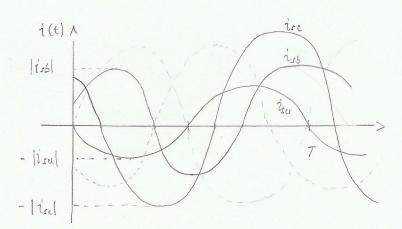
O idednom prazvom holm ne trebamo moment stroja. Iz toga slijedi isl = 21.21A | isg = OA |

Ebog praznog hoda sustav se giba sinkronom brzinom:

Ns = 3000 min 1, p=1 => f= (Nsp = 500/2

isa = -9. 207 A isa = -9. 207 A iss = -11. 86 A isc = 21.157 A

isp= -19.06A



T= 20 ms