$$T = \frac{1}{50} = 0.028$$
And  $T = \frac{1}{600} = 1.66 \times 10^{-3}0.00168$ 

$$I_{\alpha} = I_{pk} = 0$$
 ( $w_{c} + 120^{\circ}$ ) =  $10 = 0$ ,  $(30^{\circ}) = 8,66 A$   
 $I_{b} = I_{pk} = 0$  ( $w_{c} + 120^{\circ}$ ) =  $10 = 0$ ,  $(30 - 120) = 0$  A  
 $I_{c} = I_{pk} = 0$ ,  $1 = 10 = 0$ ,  $1 = 0$ ,

(2) for carrent;  

$$f = \frac{2}{3} \left( \text{Ide}^{50} + \text{Ibe}^{\frac{725}{7}} + \text{Ice}^{-\frac{725}{3}} \right)$$

$$I = \frac{2}{3}I_{pl}\left[co(w_{e}t) + cos(w_{e}t - 120)e^{-120} + cos(w_{e}t + 120)e^{-120}\right]$$

$$L_{\theta} = \frac{2}{3} \cdot \frac{6}{2} \cdot 10 \int L \cdot cos \frac{1}{\log |\log |\log |\log |}$$

fa = fm cos (w++3=) (w++30)= w+ 1 fb = Im cos (wt-120+30°) fc = fm cos (w+120+30) fubi = 3 fm (co. (wf), e + co. (w+) - 120) e + co. ((w+) - 120) = 7120) Inc = 2 Ipk ( = (e) + e - Tut) = 50 = (e) ut - 120 = J(ut + 120) = J(ut) = 120 -,+ = (e Twi+120 - Jw++120) =T120) L = 2 Tpk = [(e5(w+) +0 + e - 5w++0) + (e + w++120+120 + 120+100) + ... + (e5w++120-120 + e - 5w++120-160) = = = Tpk 1-3 (e Tw+ + e - Tw/ (1+e T120 0)) = = = Tol = e out Inde = Ipte Jut = Ipte Jut + 20 Id = le (I ube) = le (Iple = J(w+130)-J(w+-90)) = le (Iple = J60) = Ipl. (051-60) Iq = le (Inbc) = le (I/Le (I/Le (1/20)) = le (I/Le 5/10) = T, L (0) (-1/20) shorter version of (2)

=10,-8,66= -3,661

Ada = 51,66

Pare a

3-15

mbscs= landke (eige) Re (eige) + had Re (eige) Re (eige) stand (05 (B) (08) = Lac # (05 (0-120) (05 (0+120) + Lac & 5in (0-120) sin (0+120) = Land (65(20)+(65(-260) + Lead (105(-260) - (05(20)) = 1 ( Li cas (20) + Li cas (-240) - Li cas (20) - Li cas (-20) Lang= Li-La Lucda Lidha - (- Li - 2 Lz (05 (26)) = - 1 Li - Lz (05 (20) Max 15 atout => - = 4 + L2 Min is at 0=0 =) - = L1 - L2 2) mcrs6=? magger = ? = ) Lacy Re ( ciano) re ( ciano) + Leade ( ciano) Re ( ciano) =) Lacq (05(0-120) (05 (-240) +/5in (0-120) 5in (-240) =) -0.5 Lang cos(0-120) + 57 Land 5in (0-120) -0.5 (1,605(0-120)-L2 (05(0-120) + 03 (L1512 (6-120) L25/2

Lang ( 1/2 ( cos ( 0 ) + cos -

3)

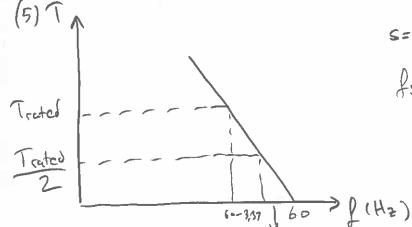
60 L=120 VP fx+)fs= (fx-)fd)e,90 =) Vads = (Rs(12s-)ids) + P(12s-)12s) =7 Rs (125 - xds) (cos 90 1) singo) + p(125-) 125) (cosqu+) 51-150 ( madd, +) Ladas) (cosso+isin a -Fx3= Rs()ias+ids)+p()ias+ids)+va6/12+jwalds) F2- RG ( -- )

0350



(3) 
$$|U_{s}| = |R_{s}T_{s} + \sigma w_{s}A_{s}|$$
  
 $|U_{s}| = |Jw_{s}A_{s}|$   
 $|U_{s}| = |U_{s}A_{s}| = 2760.A_{s} = 961$ 

$$\begin{aligned} \text{Us} &= \Gamma_3 \left( \text{Is} \cos \phi \right) + \sqrt{\text{Us}_3 - (\text{GI}_3)^2 + \text{Is}^2 (\text{Is} \cos \phi)^2} \\ \text{Maynfaude of Us} &=> \sqrt{\text{Is}^2 \text{Is}^2 \cos \phi^2 + \text{Us}_3 - \text{Is} + \text{Is}^2 \text{Is} \cos \phi^2} \\ \text{Usl} &= \sqrt{\text{Is}^2 \cdot 0.5^2 \cdot 0.866^2 + 0.91^2 - 12.05^2 + 12^2 0.7^2 0.866^2} = 6.57 \text{ V} \\ \text{Usd} &= \sqrt{\text{Specifical}} = 0.25 \frac{400/6}{3} = 0.96 \text{ V} \end{aligned}$$



$$S = \frac{n_3 - n_m}{n_s} = \frac{900 - 850}{900} = 0,055$$

$$f_{SIF} f_{SI} S = 3,33 Hz$$

3,33 - 1,66 Hz need to be added stator frequency frew = fs + fstp, comp = 60+ 1.66 = 61.66 Hz

