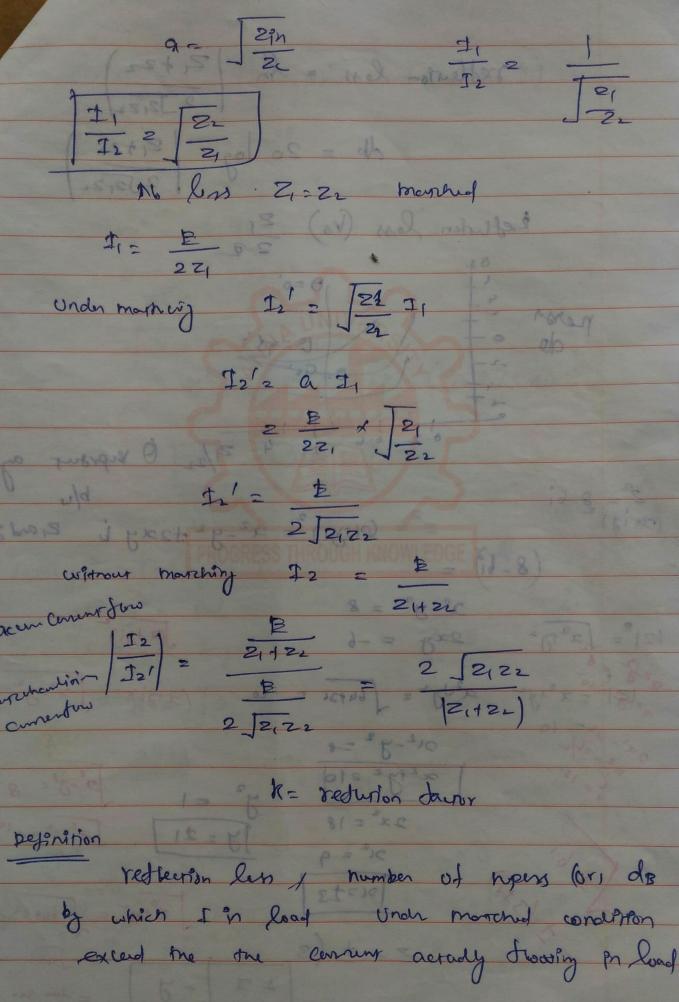
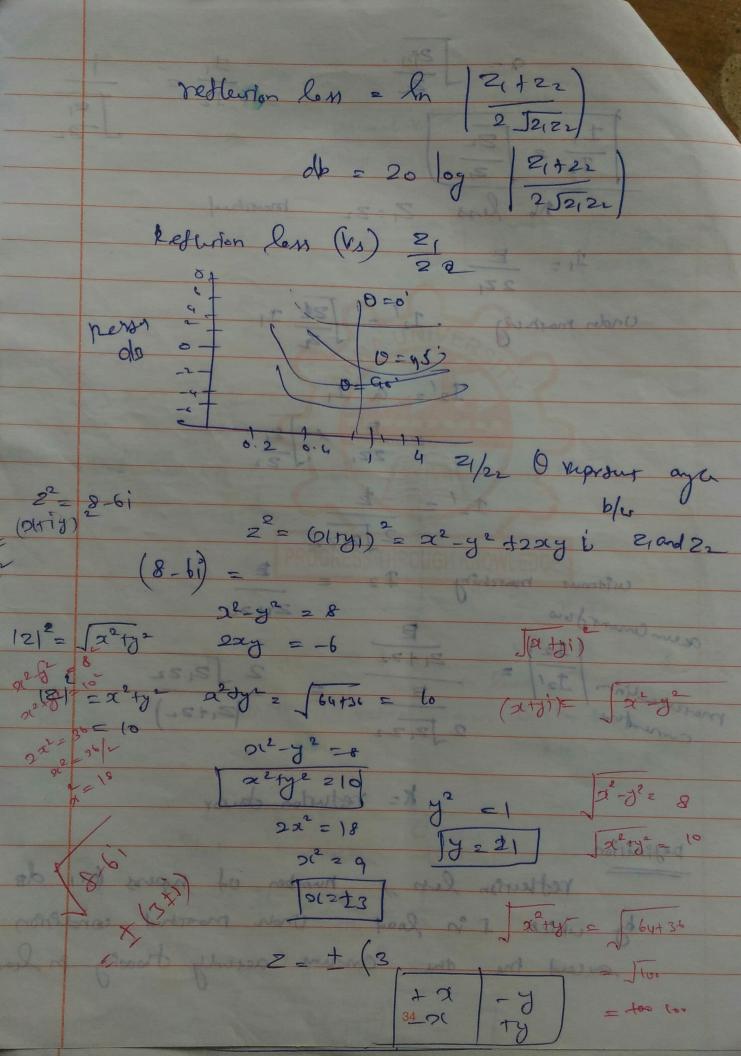


Reduction Coldian = refured volter Amp incider wone Es = 22R = VS + (21-20) = VS = (21+20) = VS E = (exl)-1 Reflusion fairer and Reflusion loss 22 + 21 reduced Energy marched Som or load tun less in Enry refrel Reduction less. 1 / 2 day 8 / 12 Marchy obtain by Ideal tramborous (on phan Shitzer $\frac{V_2}{V_1} = \frac{\mathcal{H}}{\mathcal{I}_2} = \frac{N_2}{N_1} = \frac{1}{\alpha}$ Zin 2 (NI) 2 322C





(xtiy) = (-1.14)x103 ti 6.620 x10-4) 22-y2 = -1.147000 > and and Did 1 224 = 6.625 x 10-4 Did 1 101 -5 22+42= 1.3245 ×10-3 $2x^2 = 1.775 \times 10^{-3}$ x 2 9. 42072 x 10]3 y2= (1.3245×10-3) - (8.875×10-5) y2 2 1.23575 x103 7 2 = 0.0351 0.0364 75 (xtiy) = (a2+y2) + 2xyi 22 ty = 22 ty2 y= (α²ty²)-x Ty =?

A generator of IN 1000 Cycle supplies power los mile open wire lone derminaged in 2001 Resi the line paramer about 1 = 6-10 R= 10:4 2/mile 1= 0.00367 4/mile en= 0.8 × 10-6 25/mile e= 6.00835 lip/mile Find 2 14, 2, 8, 4, 13, Up 2 = (Prime) = 10 4 + j (27 × 1000 × 0.00367) 25.2 [66 Y= (Crtiwe) = (0.8×10-6 +1 211 × 1000 × 6.60835×106) = 52.6 xio-6 120 (510) = 692 (-12) r= JZY = \25.2[600 x52.6x16-6(90) = 0.00/325 \$ 100° V 2 0.6364 [78.

Y2 atip B = 0.0364 8in 78 = 0.00300 +t/m rad/mil Up = W Z 2T × 1000 0.0355 UP 2 1.77 × 10 5 milesse $\lambda = \frac{2\pi}{B} = \frac{2\pi}{0.6355} = 177 \text{ mils}$ Typern/mw Ihm blu oren and load may Emprove on denings the march blu s and load Impedime maren that I es the power branch
rendring (t) (on the Insperior lasse Comp.

peternition ho of hopen (on) decibel by which current for load is charged by Insertition.

Z NW Zy not equal to Zg then redlevilon go 13 In Inroduce the agreementon loss. Impedence not marched or 2,2' putterion lysses. ratio of I actually disary in load trough Smerten herworks to the conf stowns in bad without Anserting New. Ze (zr, zo) (2 xl = ke-xl) → 6 erl - ke-rl

erl - ke-re + Zo (erl tre-rl
erl-krérl) zg (erl-ke-rl) + zo (erl+ke-rl) = (exl - ke-xl) = (exl - ke-xl) + 20 (exl + ke-xl) = 38

= FR (ZR+20) (erl Ke-rl) (ZR+Zo) [-g (erp - ke-rp) + Zo (erp + Ke-rp) Without Emieritan trle (Zg+Zr) IP = 220 # / [2g+2r] Hence (ZR12) [2g(erl-kerl) + Zo(erl+kerl) le Irogn · (ZR+Zo) [(Zg+Z) ere + (Zo-Zg) KErk (ZR+2) (Zg+20) ext + (20-Zg) (ZR+Z) (ZR+Z) IR = 2 70 E (22+26) (29+20) erl + (20-29) (21-20) e-88

E/(3+2p) 201 (3R+Z) (3+Z) evl + (Zo-Zy) (2R-Zo) ex) (Zx+2)(zg+2) exejpl (20-2g)(2x-26) e e 2 20 (2g+2h) eal loge 2° (2°+2°) (2°+2°) e « e) « PR = 2° (2°+2°) Ed Zg Zp. 2 / Zg Zr (Zr+Z) (Zg+Zo) eale jet 4 Jeg 222 (2g+ 20i) = 1 Zg 120 | ZR+20 | 2 Jzg ZR xl IRI 2 / Zg Zo 2 / Zp Zo / Zg + Zp) Right sin reprent Herfordagers. 2 32R = KS 12972R)

12 = KR 2 Jzg ZR CKSR ext les intim ITP - KP exp Inserior on on on the thing of the trans = do (by = + by top top - by top Luindo + 0.4348 x8)

ecin In plana tra Bre At twin In Twinken D 0 in billing MAMplin Triplye emplin y (x16) = A Cos(20 (2 JE)) A- Dieloric sichnon = A Cos (12 (a - Vt)) t - Stripen thrown gener = A Cos (kx - Wt) W-width of stipline = A (0) (K(x-VE)) 12 2T = 211 = 211 = W 12 dt = 2tv = V K= Wave number