K = IKI ejp = |K| e j f as piklesp Vx = beight + blkl eight e-jet }

= beight fittleik e-jet }

taking on module |Va| = | b| } |+|K| e - j (2 jpg - p) 2 B Jmon - 6 = 2mm der Vmax (Vmax) = 16/21 41/K/3 2B ymin - 0 = (2n+1) TT |Vmin| = 161 2(1-x?) 2/4 6 2 25/2

first min and max ar open Cur luad 7/2 11 51/2 211 Invest I, and reflered I god from load x/q 1/2 Zsc = g ten pl 12

of properties of Smitch chant of		
and the state of t	gwr=	1+14)
A Hermalisal Ampedance	Ť	1-141
R- CPrell X- Cgreles.		x -041
Zo = 300 R		8 1 600
ZR = 180+ 1150		
Normalised Zr = 180 til 150	= 0.6	+jo:5
200	0.6	e
Derenmine sur		× ×
o conne R=1		
arche right hand Intersection V	wr. (s)	
* perenninarism of k in may and dis		
0.38 pissone of 0.6		from comme
11'3' aya 141=		
x location of V max and Vinin		1
Na Bart Al A	Zinin	Zman
Zmax = 2.2 +jo		Vmax
Zmin = 0:40 +0	Vmln	+
Voltage min drom the load O.	09257	
Asst Voltage Max our (0.0925+	0.25)	Impel In Vision
0.3425	X	
open Carel and Shirt Cat Sin		
right front side of thissorr as	(L)	
Value Rr & X 00		
Z = 00 Open Chit 1x	ermination	

los side this zone and R=0 X=0 Zp=R+JX Short CK+ termination on lest side Movement along the periphery of Chart CW July rotation 051 (60) 1/2 Empenden report itself every the distance Marched load marched Condition Z1= 20 Course of Chant is marched load, ZR= Zo Application of Smith chart of Ionisteh chy also we as admittano chant y = g -ib hormalised susceptance. Convenion of Impedence to admittance Aly Impedie Firesion ps (0.6 + jos) Q = (0.98 - jo.82)

peramination of \$1/p Impedance of/ Ze gren Zin Colded from smitch travel towards Generator 2 CW SWR Corde) - 2 vin Mormalised Ap g perenmination of load impedence of Impedence It SWR and Stor Votage min Soom the load given Determine DWR of ZR = 800 +30.0 with Zo = 4001 ZR = 600 - 1475 2R = 2.0 8WR = 2 S = 2.747Using smirch chart Convert Imp Z to Y. 0.5tj0.3 2 - 10.5 1.5 = 10.1 0.48 + 10.11 losylor line in zos Tor terminand for an open Cht, Determine the sending and Impedence for the following legan of line. (1) Ng (11) Ny (111) N/2

01257 00 301.0 62.0 1 00 Hoo ó tio 0.25 1 Fird In sending end Impednu of In line with To 552 load Impedence 115+j752 leyth of line 1:183 x Z0 = 552 115117 るこかれ ZR= 115+ j752 PE 0.083A Zee 115 + 175 = 2.09 + 11.36 ar 0.215A 0.215 0.183 0.398 (B.48-j0.65) SJ (0:48 - j0:65) 26.4 - J35.75 Tend the load Empedice at the end of 1/8 line 9t dending end Empodence (50 ti 72) With Zo = 1002. Z= 100/2 Cin = 50 + 12 2 ZR = 7

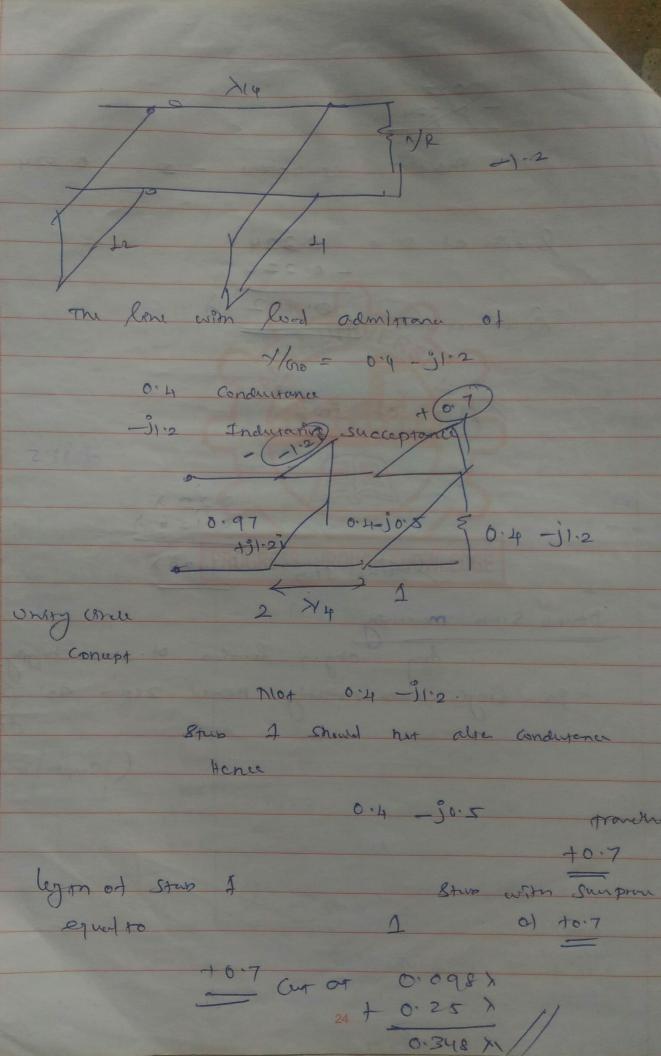
32 100 R Zin = 50 tjr Zwe Zin = soti7 1500 + 2.0 at 0:015 A Wanilyon toward load. 0.125 0.015 arthur 6.73-jo:53 TZR 2 73-153 Ex In Vewe is 5 with blige min Occaring 1/3 from load. petermin load Impedence Zo = 50/2 To=501 272 two load. yourand load 0.33 x 0.77 111048 50 (0.77+11.48) Er = 38.5+ 174)

lx xinga stub matching of sous act , RILIC, lynn on 1/2 2-75+ 1.75 location of some 2? and Crysnot Stub = ? Remative 1750 9 tis on conditions promon is tree, Normalise Note 2.75+ 11.75 open of (0.22 X) Pn 5mith Admit Voessnorp JXC Jan = 1 Circle -3×L Y/000 = REG X sur cone and y/oro p = 00 zmaz circle (1951.5) Inin Stres suntane as + jr.5

Prouvene suceptone -1:5 0:324 locarion of stup 0.324 -0.220 lourion of shin 0.102) lym of sub マリント 0.257 0.1267 0 .40px leymost shis pouble Stup marching

In Single stup marching from 25 pur 90' (1)

distant (Imperiation)



how Impedia to Admittent

by Imge cince

O'4 -90'5 i to 10

Orather sow of -1:2i

Connect

Hence

Cur aq. 0:36 A

-0:25 A

Lynch 2nd 0.11 x of (Seond Spub)