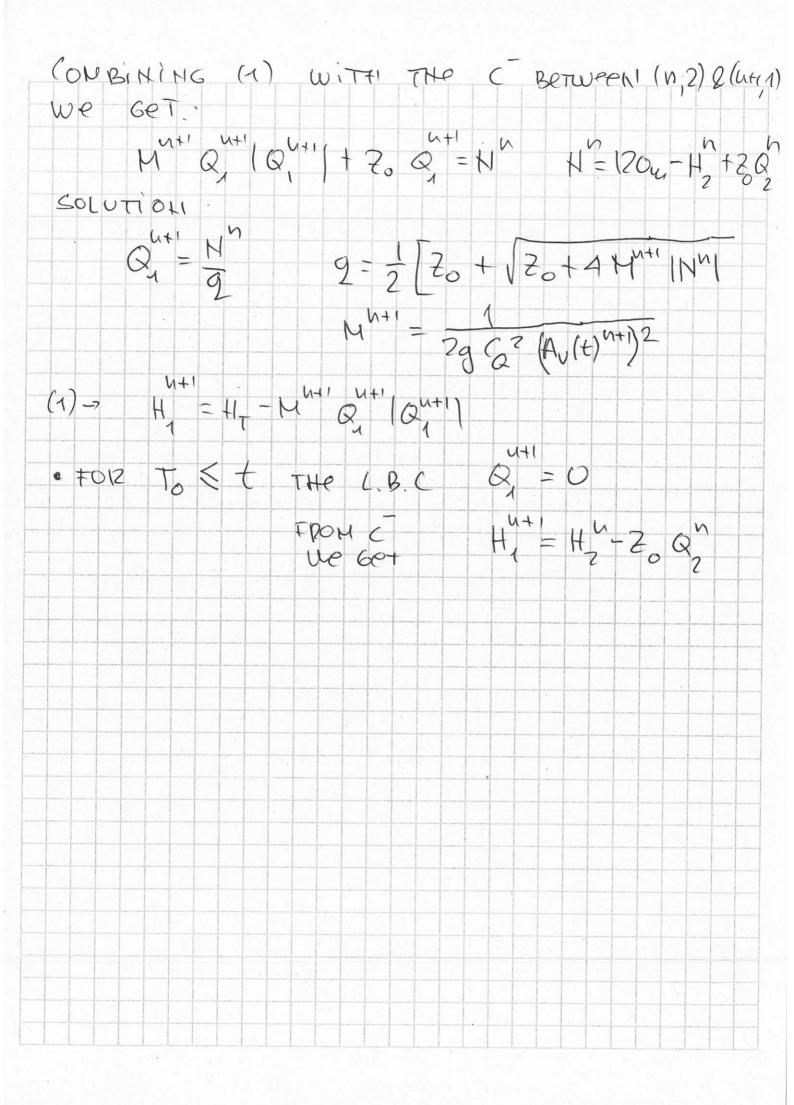
EXAMPLE PIP  20m  Ro	EXCEPT IS GRA	LAP to PIPI THAT THE VAC DUAL $C = 1000 \text{ La/s}^2$ $A = 0.01 \text{ La}^2$	ve closop
1500u 1500u 10 - STRADY STAT 140 Q = 120u	7)	$Av_{0}^{2} = \frac{1}{4}A$ $C_{Q} = 0.125$ $Z_{0} = \frac{C}{9A} = 10$	1 s/w <sup>2</sup>
14. Q = 120u Q = 6,25 x (0 L, B C GPADUAL To = 35;65	VALVE CLOS	Mo = 1 2g Ca Ave	= \$12 000 5° 0 005
POR OST STO	t	ETAHT TO APPRIATE A  Some THAT A  Ses LIHOARLY I	-To
Av(t)  O t to-t to  To xl	t Ave	$\begin{array}{c} T_0 - \xi \\ T_0 \end{array}$ $\begin{array}{c} T_0 - \xi \\ T_0 \end{array}$ $\begin{array}{c} T_0 - \xi \\ T_0 \end{array}$	
14+1	1 is THE (	HT HI (1	

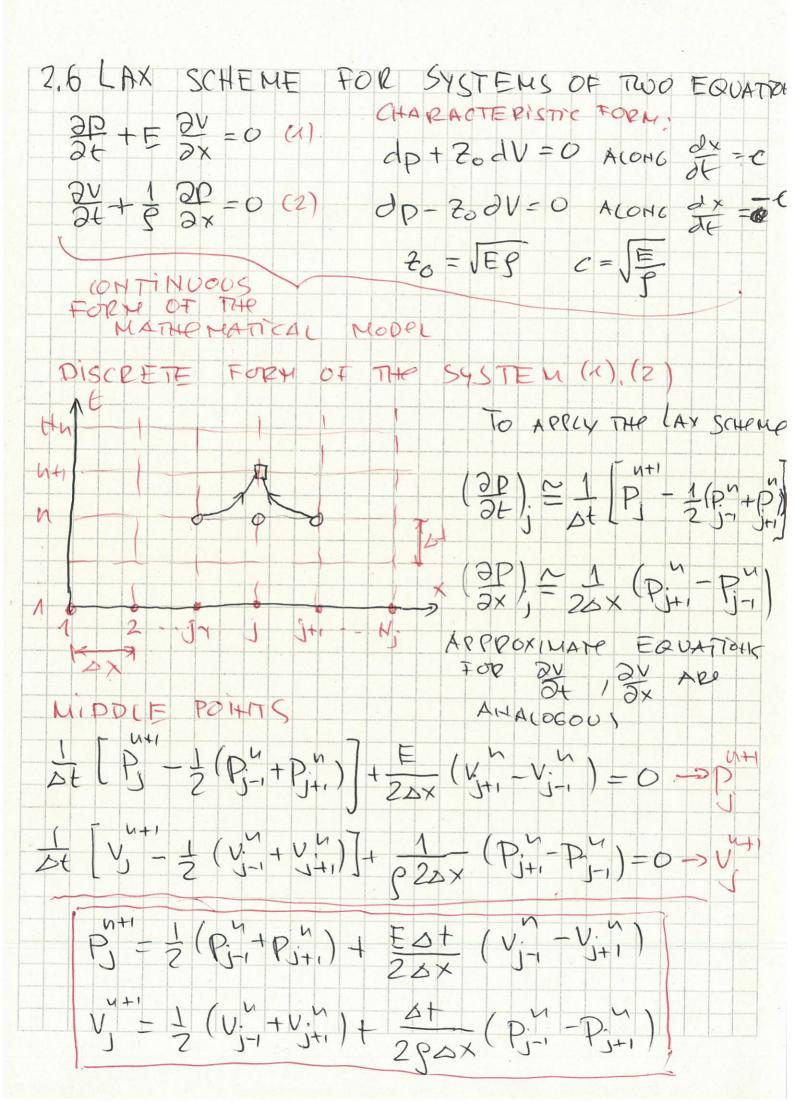


2.5.2 LIMPAR BOUNDARY CONDITION VALID AT ANY TIME SO:

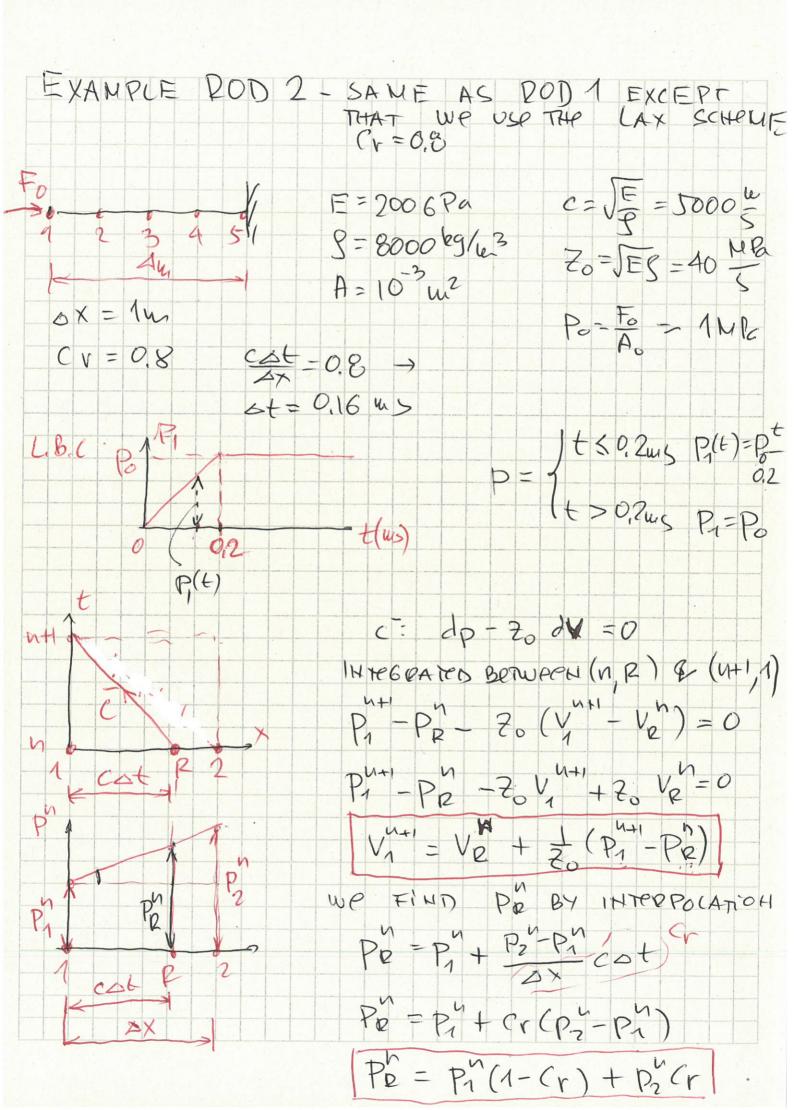
VALID AT ANY TIME SO:

VH; = Ro IN;

VH; = Ro IN; C+ dV + 26dI = 0 1HTEGEATED Berward (u, H;-1)& (u+1,1); 1 u+1 v u + 20 (I u; -I N;-1)=0 Po IN, -VN, + 20 IN, - 70 IN, -1 = 0  $T_{H_{3}} = T_{N_{3}} + V_{N_{3}} = \frac{1}{20 + R_{0}}$   $V_{H_{3}} = P_{0} T_{N_{3}}$ 



Est c OX CIE = E CV S = CV SES = 70 CV CV ST C = P CV SE = CV POX C = P CV SE = TEG = Zo PJ = 2 (Pj-1 + Pj+1) + (2 20 (Vin - Vin) y = 1 (v + v ) + Cr (Pi - Pi+1) FOR (r=1 THE LAX SCHENE GIVES THE SAME DISCRETISED EQUATIONS AS THE MOC CV ST HAS TO BE SATISTIED FOR STABILITY BOULDARY CONDITIONS IT IS STICL BOTTER TO USE THE MOC Cr = cot



RIGHT BC ct: dp + ZodV=0 (HTOGRATED BETWEEN (N, L) & (N+1, N;) N+1
PH; - PL + 70 (V - VL) = 0 PN; = PL + 20 VL PL = PNj - PNj - PNj - (DX - (D+) PL = PNj-1 + (PN, -PNj-1) PL= PN;-1 + PN; - PK;-1 -GPN, + CrPN, Vh = Vn (1-Cr) + VH, -Cr

RE	SUL	73													
( X(an)		0	0. F	8		1 2		2	3	7	3	3.2 L	4 5		
t (ms)	PMB	V www.	P	V WILL	P	V	P	<b>V</b>	P	<b>V</b>	P	V	P	V )	
0	0	0	To,	0.9	0	0	0	0	0	0	0	-01	00		C
6.16	0,8	(20-	0,16	4.0	Q	0	0	0	0	0	0	0	0. (	2	
0.32	1,0	25	0,77	19,4	0,72	! 18	0	0	0	0	0	Ó	0	0	
0.48	(,0	25	0,92	230	0,90	22.5	0,65	(6,2	0	0	0	0	0	0	
0.60	1,0	25	0,97	24.3	0,96	24.1	0.81	20.2	0.58	146	Ç4(	5 11.7	0	0	×
0.72	1,0	25	0,98	24.6	098	24.5	0.93	23.2	0,73	18.2	0,77	14,6	0,93	0	
0.88	1.0	25	0,95	249	099	24.8	0.96	23,9	1,30	115	131	9.2	1,35	0	
	1												R	1 BC	
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