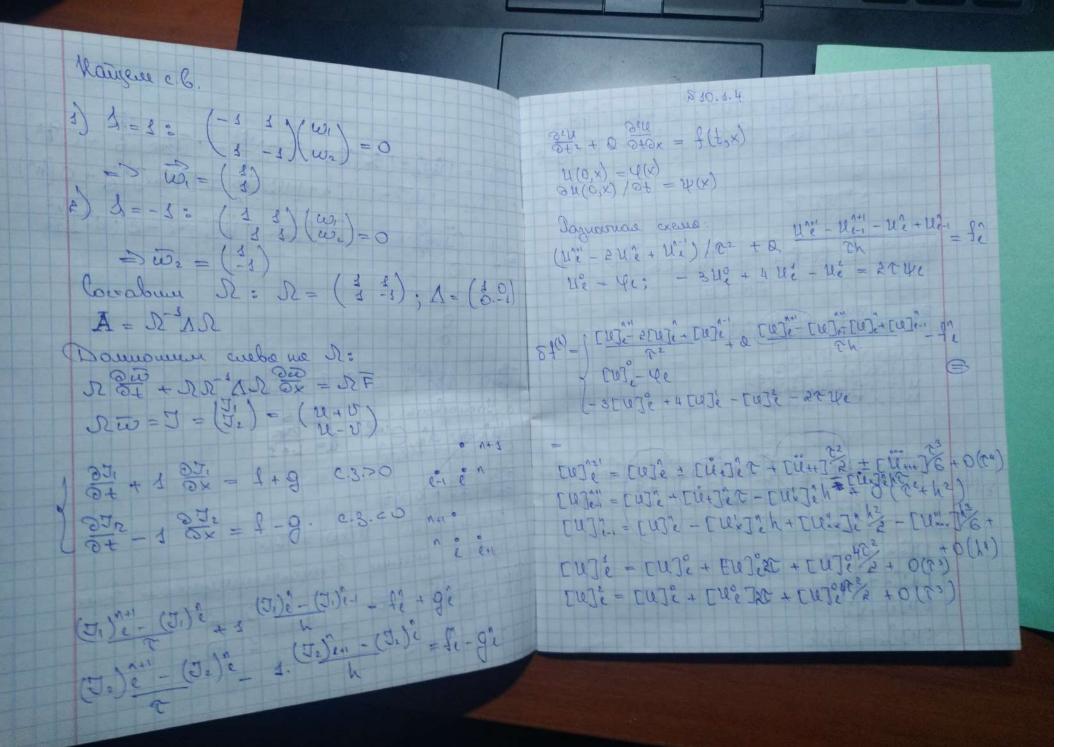
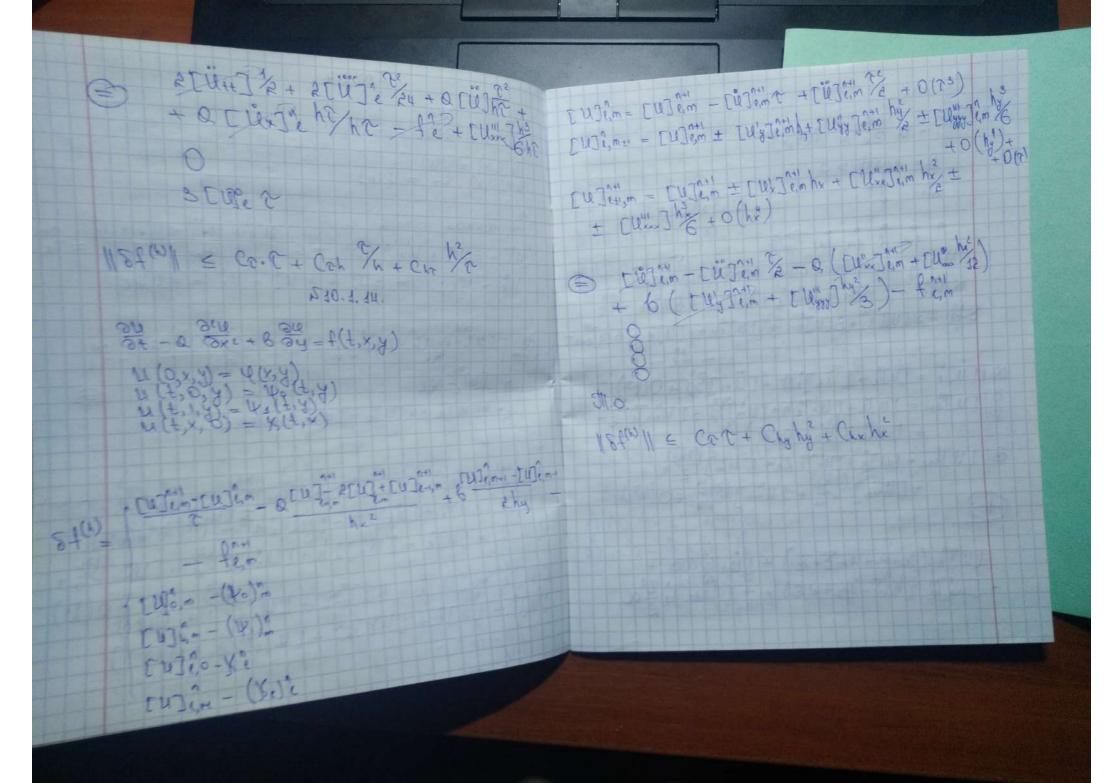


-> degycubus yasoùruba. 4.111726 L(x,0) = V(x); 34 (0,0) = 4(x); L(0,t) = +, 11 (s,t) = t2 8 f(n) = } [[tt]e - ettfle + [ltle - ttle+1 - ettle+1 - ettle - ttle+1 - ettle - ettle - ttle+1 - ettle - ettle - ttle+1 - ettle I Amporcumaque [43°-40° - 40 CU3: - (t):

[Mi = [i]: + [ii] Th+ [iin]: 2 + [iin]: 6 + 0(14) [ U]e== [U]e+[ux]h+[uxx]h= [uxx]h= (h) M.o. 189(4) 11 = Co C+ Cxh2 A VIII.5  $\frac{\partial f}{\partial n} + \frac{\partial x}{\partial n} = f(x, f)$  $\frac{\partial f}{\partial R} + \frac{\partial x}{\partial R} = \delta(x, f)$ M(x,0) = V(x), D(x,0) = V(x) Запишен систему в характеристическом выде 200 + 7 200 = F , A = (0 1) c.g. A = ± 1.





+ [W.] { 2 (8+B+4E) } + [W.] } (8-13+8E} + [Um] ( 8 + 3 h" + 5 h/24 + B h/24) N+B+ 1+8+E=0 en l'en les h (8-B+2E) = a Учтой томыбатить которыйтину 8+B+48=0 1 or 100 + B We-1 + 8 We + 8 Win + 8 Win - Se 8-8+8-8 8 + 2 = × [W] 2 + B[W] 2+ + STW 2+ + | TW] 2+ E W/6-X | [W] = [W] + [ U+] + [ U+] + (") + (") BI [u]en = [u]e+[ut]eh+[ut]eh+[ut]eh+ = (Un- Un) + 6h (-312 - Wetz +6 Wet - 212-1) = E [U]inz = [u]i + [uk]i kl + [uk] (21) + [11 - 10/12] + [11 - 10/12) AMpramound: 3) NO O- 1 mm 10/2400 . P - 1/2 - 1/2 + 1/2 - 1/2 V TUJE (X+B++8+E) + TUELING + TULTE 1/16-B+2E) + = [UHJIEX % + 6 + 26 V 15 3m repayor no

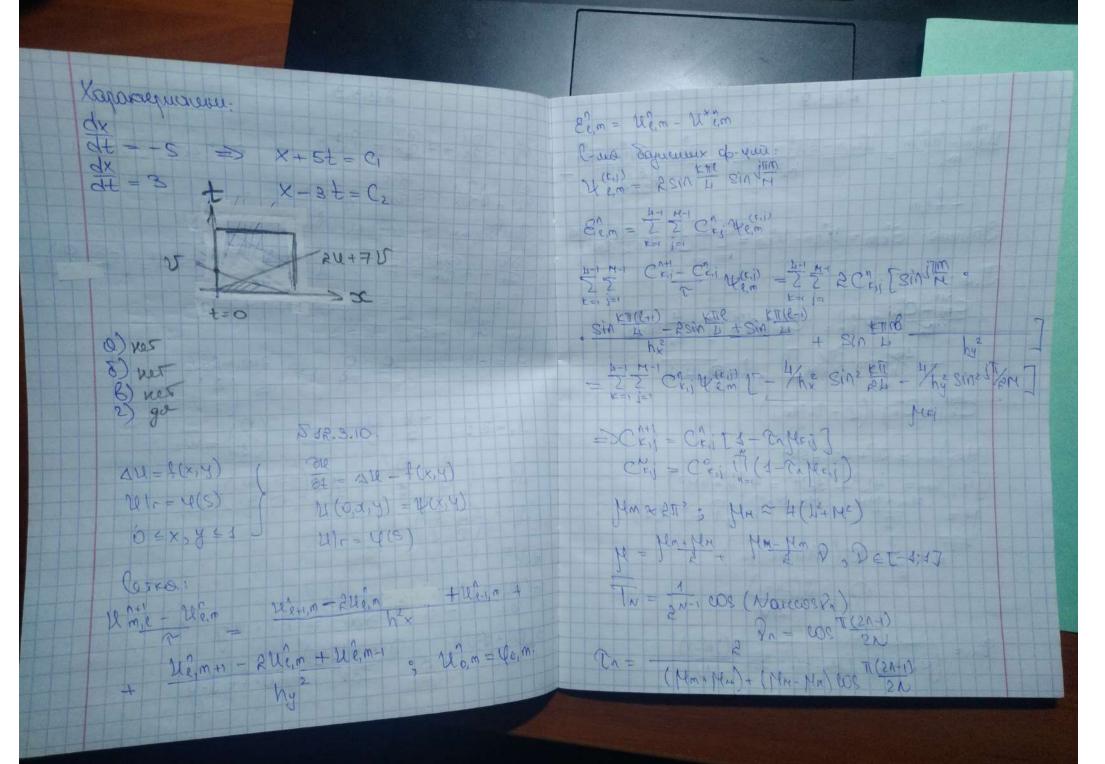
(3) 2. 111 8 [U] en = [U] e+1/2 + [U+ Je+1/2 7/2 +  $\frac{\partial t}{\partial u} + \frac{\partial x}{\partial u} = f(x,t), -\infty \in x \in \infty$ + [14] 101/2 1/2 + [1/4] 2+1/2 1/8 + [1/4 ] 1-1/2 1/8 M(x,0) = W(x), octet + [ lext ] e+ 1/2 hay + 0 (-) 2-1 e n+1 - torce (n+/2; n+ 1/2) Thirmhison (X+B+f+8) [U] (+1/2 + (X-B-f+8) [ Ü+ Je+1/2 7/2 + (-X-B+ f+8) [Ux] (+1/2 h/2 + (X+B+8+8) MAK: XUe + Blie + Jlle++ Dre+1 - fety= [ [ U tt] et/2 18 + [ U x ] et/2 1/8 ) + + (-X+B-J+8)[ Ux+] (2+0(...) -[le]e = [le] et 1/2 + [le t] et 2/2 - [le ] et 2/2 hp + + [1] (+1/2 8 + [Uxx] (+1/2 8 - [Utx] (+1/2 6) + (Uxx) (+1/2 8 - [Utx] (+1/2 6) + (Utx) (+1 (X+B+8+8)=0 a-13-8+5= = 10 TUJE = TUJe+1/2 - [U4] 11-1/2 /2 - TUV] 1+1/2 /2 + -X-13+1+5= 2/h + [U] 11/2 /4 + [U"x] 11/2 W/4 + [Utx] 1/2 + - X+B- f+ 8 =0 => B=-0; X=-8; B=-86-4 B= -1 - 1 | X = 2r - 2h | / = 2h - 2r; [U]en = [U]er/2 - [U+]er/2 } + + [lix] 1+1/2 /2 + [litt] 1+1/2 h/4 +
+ [lix] 1+1/2 h2/8 - [lixt] 2+1/2 र्डिम रहे = ह

2 ( Uen - Uen + 22- 12) + 2 ( Uen - Uni grewnt WE" - We + (4 10) Wat - We- | fat + U2+1-U2) = fors We- 12 Cire Do grantembors We six oide (1n+1 eixe 1n eixe ) 50+ (4 10) (3x eixen) 101/2018) Lateralen) de cix(l+1) + da - da cixe · 10 = 0 + 1/2 eix((+1) 1/4) eixe 1/2 eix(e+1) 10 eixe Jat/da = Ja Ja-1 Jo+ A Ja eix e-ix 1 x eix - eix + 1 x - 1 + 1 x eix - 1 x + eix - 1 = 0 (Ax-1 E+A dx isinx) Do=0; + Do=0; + Do=0 (Ax-1)/2 + 4 h x isina 10 da isina/h - 6 da isina da-1 disina 65 | 3+7/h+ (3-7/h) eix | 61 1 = ( da-1 + 4 daisina) ( da-1 - 15 daisina) + + 60 de (sina)2 = (4-1/2 1 de sina da-1 1) | Jx |2 = 1 - Tryguebuo yeroù rubo. = (da-3) / da-1 - ssidusina 1=0

Ja-3- 2/ 15/2/100 - 1- 20 => 1 + 13° 2% 2510° × 5 1 => C3/4,5 > > => cxemo génangro Or - C OK + OX = \$(f'x) Or - 15 Ox - 2x = 3(f'x) W=(4); A=(-6, 12); F=(4) W++AWx-F, AT= (-6-12) C.3. mospunou A: (-6-1)(-1-1)+12= = (6+4)(3+4)+12 - 14+181+17=0 => 1= -7; 1=-11. 1=-7: (5)=W, (1-5)(wi)=0 W2 = (3)

 $\mathcal{R} = \begin{pmatrix} 5 & 4 \\ 4 & 4 \end{pmatrix}; \mathcal{N} = \mathcal{R}; \Lambda = \begin{pmatrix} -7 & 0 \\ 0 & -14 \end{pmatrix}$ 2 DTW + STA & W = DTF 0+ (CU+V) - 75x (SU+D) = 5++8 St (U+U)- 43 0x (U+U) = \$ +9. 37 + 1 37 = NTF 7 Annocumanas e en n Dockrapulare on no Torner (1, l) nongeoner, co 18t(n) 1 = 11 (2) (- 12) ( V [2] (- [2]) ( Dit) (1 < Cor+ Cah 6= 5/h I Grownborg. The shelve Jo (1n+1 - 1a) Qire To + A Sa cixt PCX - 1 To = 0 (1x-1 E+A Cix-1) A0 = 0

[ (1/0-1) E + 1 (0/0 1) 0] Zo = 0 F.H.3.3. det[...] = 0 34-50x+70x=f(t,x) 05+60,0525 (Qx-1)-75 (ex) 1 3t +0.2x + 8 2x = 8(f'x) Theodor is rapper gard (Ju-1)-330(eix) = (1x-1-75 (eix-1)) (1x-1-150 (eix)) C.3. AT: (-5-4)(3-4)=0 1=-5; 1=3 1=-5: Lo 0 0 co 7wi= 2wz 105 = 1+76 (eia-1) Hailes. Das = 1+110 (ex-8) 12-3: -8 0 LS (0) = W2 75 cosd +75 isina-76+1 35 0008x + 330 czinx - 380 + 1.  $\Omega = \begin{pmatrix} 2 & 0 \\ 2 & 3 \end{pmatrix}; \Lambda = \begin{pmatrix} -5 & 0 \\ 0 & 8 \end{pmatrix}$ a) 1-1468in 2 +70 isinx, 1812 4-285 SIAZNZ + 1966 SIMANZ + 4962 SINZX SA  $\mathcal{D}_{\perp} = \begin{pmatrix} \mathcal{O} & \mathcal{I} \\ \mathcal{E} & \mathcal{E} \end{pmatrix}$ -1+708in2×2+76 cos2×2 ±0 196-4 sin22co2 E++52) = 2 (5€++12) = 5++ ±5 9 (On+4.21) + 8 9 (O. 17+2) = 0. f+3-0 7 4 /7h 25 154



\$ 12.3.9 Me, m - We, m - Wen, n - Alleim + Wen, m + Wein+2 - 2lleim + Wen, his /4 Bamana: Eè, m = We, m - Le, m = \frac{k-1}{2} \frac{k-1}{2} \chan \frac{k+1}{2} \sin^2 \eta \frac{k+1}{2} \sin^2 \frac{k+1}{2} \sin^2 \frac{k+1}{2} \sin^2 \sin^2 \eta \frac{k+1}{2} \sin^2 \frac{k+1}{2} \sin^2 \frac{k+1}{2} \sin^2 \frac{k+1}{2} \sin^2 \ M.0: Crij - Chij W (x,i) = Chi W (xii) [ - 4 812 ITE -- 18 sin 2 17 2 1 - 8 - 1 - 1 Crij = Crij (3 - PARKIJ) (Mrij) min = J 2+ 4712 = 5112 (Mrij) max = 4D2 + 3GH2 = 4(D2+4M2) M= Mm+Mm+ Mm-Nen D, PEE-3,1) The sun cos (Narccos) Q = J(2n-1) 2n = (Mx+Mx)+ (Mx-Mx) COC 7(2n-1)