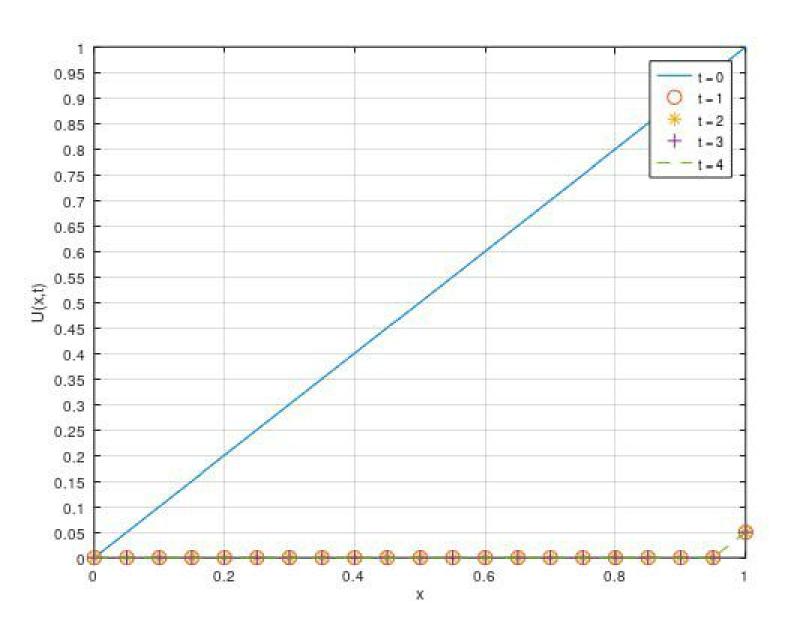
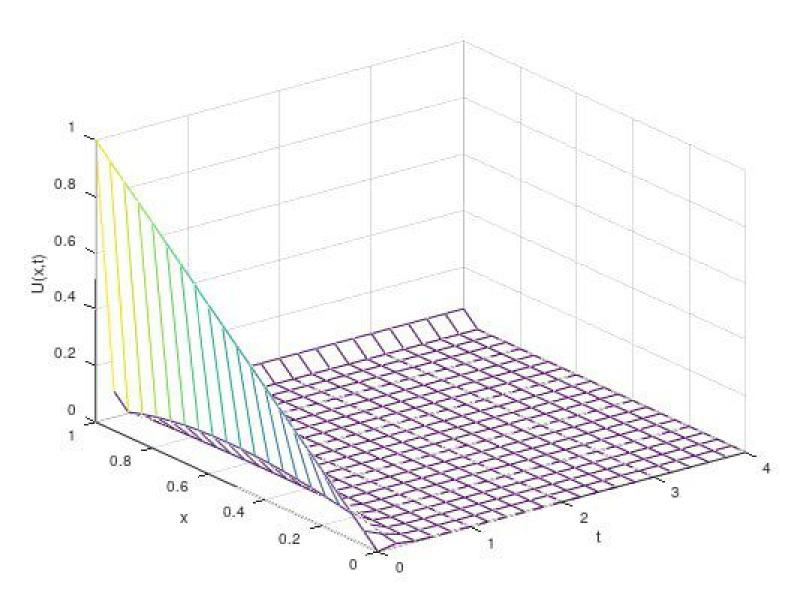
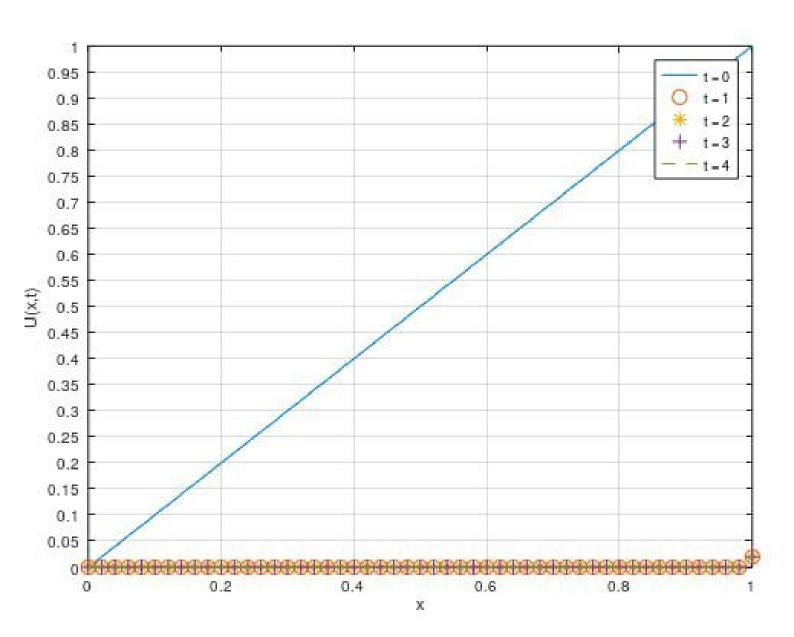
Проект из: уравнения с гастными прощводными Бобровникова василиса, РКЧ, 202 Вариант в. 1. Premarobre jagovier Dana kpalbane jagara: (ut=3uxx+4x-(2t-x2)u, U(X,0) = X, - Haranbhoe yenobue (10,t)=0, - ogropognoe yourbre Dupune Brelow Konge [Ux(1,t)=1. - Heogropoghoe youdher Heirmana Broken Hymno peremo ee, ucuoesque reellugio credey. 2. Heebreau Crelus 3 anuvelu payer control ypabreteul. $\frac{u_{i}^{n+1} - u_{i}^{n}}{\Delta t} = k \frac{u_{i+1}^{n+1} - 2u_{i}^{n+1} + u_{i-1}^{n+1}}{h^{2}} + \frac{u_{i+1}^{n+1} - u_{i}^{n+1}}{h} - (2t_{i} - x_{i}^{2}) u_{i}^{n+1}$ Oбoznavnu ati-zi za bi, stk ja 1. Bupazun ": Un = Un+1 - 7 Uits + 27 Ui - 7 Ui - - At Unts + At Uits + Abut Tipu began nogostible cuaraluble: Ui = (-2). Unti + (1+22+ st + otb). (1) + (2-2+ st). (1) Treperoz no cue gestouseier mon no spermeter musembug! nampuya B reperquarometrice $\begin{pmatrix} \beta_1 & y & 0 \\ x & \beta_2 & 0 \end{pmatrix}$ Torga | U" = BI U"

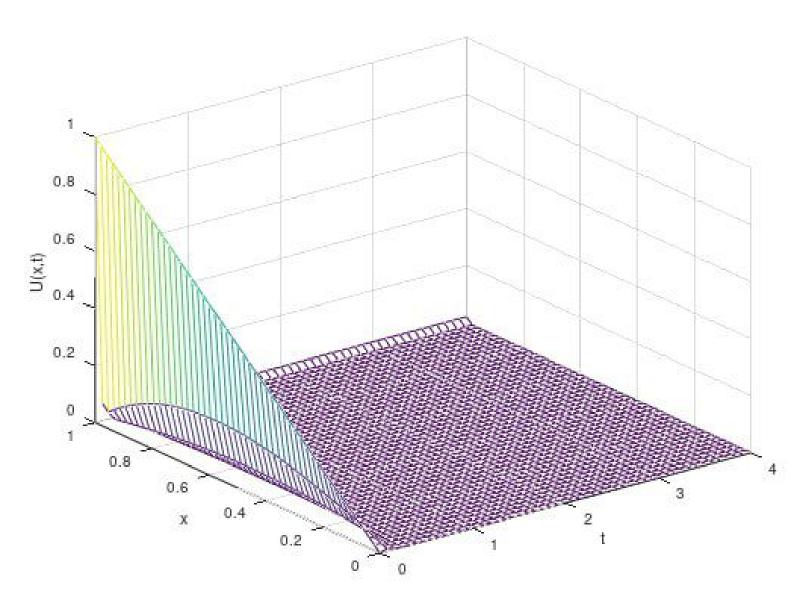
3. Tpaquice penerne

Mpu N=20 u N=50 nouverur coombon curbono:









• The t=0 hosegreines apaque $U(x,0)=x \Rightarrow$ horoushol yearbeel boundhero.

· Tpu n=0 (1(0,t)=0

Cyreno et guchpenuzque buopo e repartor your hourn breg: $(U_{N_g+1}^n - U_{N_g}^n)/h = 1 \Rightarrow U(1,t) = U(1-h,t)+h$, The monce beino exert no reaperior.

Tanuer otpayou, menuo, nouey remuo le matorimente monterem breweren, parmena emce bié Donee palmonerno uo bien gunne u nocimenento chogam no mem, ruo by gho na upaopunax non t=1,2,3,4. Othobreoù bienog menepe breo ciem koobboe y cuo bien.