Двушений варианый упависиия Municipal cuesos sayes (patriena). Mpalnenne e peron, $200 = \frac{1}{R_1}$ unceens bug $e \frac{\partial T}{\partial t} = \frac{1}{R_1^2 + 2} \frac{\partial}{\partial z} \left(\frac{2}{2} \frac{\partial T}{\partial z} \right) + \frac{1}{R_1^2 + 2} \frac{\partial}{\partial \varphi} \left(\frac{2}{2} \frac{\partial T}{\partial \varphi} \right) - \frac{1}{2}, \quad (1)$ (2) $2 = \frac{R}{R_1}$, $-\frac{1}{R_1} \frac{\partial T}{\partial z} = F_p(q, t)$, (3) Z = 1, $-\frac{1}{R_1} \frac{2T}{\partial z} = L(T - T_{oe}) + F_3$, (4) $\psi = 0, \quad \frac{\partial \Gamma}{\partial \psi} = 0,$ (5) $Q = \overline{II}, \quad \frac{\partial T}{\partial Q} = O.$ (6) t=0, $T(r, q, p) = T_{nax}(r, q) = T_0 = const$ Blogues normen $\dot{F_{L}}=-1\frac{\partial T}{\partial L}=-\frac{\lambda}{R_{1}}\frac{\partial T}{\partial z},$ Fq = -1.10T = -1 01 Dance nepergen & ubazupabnonepnos cerus $Z = 1 + \frac{1}{\alpha} \operatorname{arety} [(x-1) \cdot y_m],$ rge $a = \frac{\sqrt{1/2} - d}{1 - R}$, $y_m = tg(\sqrt{2} - d)$. X=0..1.

Πρω εθοί αιτεί
$$\frac{\partial}{\partial z} = \frac{\partial}{\partial x} \widetilde{\rho}$$
, $\frac{\partial}{\partial z} = \frac{\partial}{\partial x} \widetilde{\rho}$, $\frac{\partial}{\partial z} = \frac{\partial}{\partial z} \widetilde{\rho}$, $\frac{\partial}{\partial z} = \frac{\partial}{\partial z} =$

Подставив выражения для поженов в (7); Fi hx hq · Cji (ŷji-yii) = $=\frac{1}{R_1}\left[\frac{2i-1/2}{R_1\cdot h_X}\cdot \frac{\pi_{j,i-1/2}}{R_1\cdot h_X}\cdot \tilde{p}_{i-1/2}\left(\frac{y_{j,i-1}}{y_{j,i}}\right) - \right]$ - Zi+42. As, i+42 Pi+42 (ysi-ys, i+2) hq. 2+ $+\frac{1}{R_{1}}\frac{h_{v}\cdot \overline{t}}{\widetilde{P}_{i}}\left[\frac{\widehat{J}_{j}\cdot 1/2,i}{R_{1}\cdot 2i}\left(\hat{y}_{j-1,i}-\hat{y}_{j,i}\right)-\frac{\widehat{J}_{j}\cdot 1/2,i}{R_{1}\cdot 2i}\left(\hat{y}_{j,i}-\hat{y}_{j+1,i}\right)\right]-$ - Zi hx ha gjit Распрови сповии Zi hy ho Cji ysi - Zi hxho Cji ysi = - ha. 2 21-42 · Îj, i-42 · Pi-42 ŷj, i-1 - Ri hx - hot Zi+1/2 li, i+1/2 Pi+1/2 ysi + hot 2 2i+1/2·li, i+1/2·Pi+1/2 ysi + Ri2 hx + 1x2 · 15-42, i y j-1, i - hx. 2 · 1j-4/2, i y ji - R2 · Pizi - hx T] j+1/2, i ý ji + hx T] j+1/2, i ý j+1, i, -- Zi hxhq giist

Группириря смагания, помучим hx 12 . fi . 2i . 15-1/2, i . ŷj-1, i + + My·2 Zi-1/2 ·Pi-1/2 · li, i-1/2 · Ji, i-1 -- (Zi hx hy êji + hy · T · Zi-1/2 · Pi-1/2 · 13, i-1/2 + + hx. [1j+1/2, i) ŷji + + hp. T. Zi+1/2. Pi+1/2.)j, i+1/2. Jj, i+1 = - (Zi · hx · hq · Cji·yji Zi hx hquqji), m. e. cui pyrigge gralmencus (9) npezeraabuseres
b luge A. Ŷj-1, i + B. Ŷj, i-1 - C. Ŷji + DŶj, i+1, + EŶj+1,i= Дия зашинания спетены пунены сире геторя nauparoses malmenus, uoreppe na manugar obrace Muxquero ypabuenas (6') spaniernoux yeuckun (2)-(6).

went love aucely

Puc. 2. p-rue (10) chazorbaem want neugheeranoux 6 Torwax, novazaunoux na pue.2. Con privation and partie cuestimo ynable i=0 in j=0 N_{x} j=1 j=2 $j=N_{y}$ j=0 2-5=1 J=2 j= Nu

platopaniopues jasouia. 1. Thanuruose yourbus (2), (3) nocuralius

uau yourbus I poga, r.e. upu r= R u

r= R1 jagana Teumepasypa: $Z_1 = \frac{R}{R_1}$, $T(Z_1, \emptyset, t) = T_1 = Court$ 2=1, $T(1, 1, t) = T_2 = Court$. 2. Ospatoring ypabuenus (6') uninerpo-unsep-uousquounai ypoyegypood upu y=0 uy=1upubognust ne sygen, a nononema, z=0 $y_0, i = y_1, i$ $y_0, i = y_0, i$. The son ampienemasing of he of his. The manifest money was the of he why. Notice taunx ynproyences maniferry energent ynabhedid energences his energent $i = 1...N_0 \cdot 1.$ Thor yeures) 3. Meidornun Temas g (2,4, t) jaganous cus & buge Baganoras: Fue, Eu, Kp, Mup, L.

Mexognore gannore.

B varecushe mansephanes esence borsupaenses ubapyeboe esence.

Tennognymeenne closecushs ubapyelono
cseans.

1. Temeoacceoeb.

c(T) = 2,049 + 0,563.10⁻³. T - 9,528.10⁵, pne

c(T) = 2,049 + 0,563.10⁻³. T - 9,528.10⁵, cn³. K

2. Kosppuyuemis Temoupoboguoesi $\lambda = 0,134.10^{-1} (1+4,35.10^{-4}.7)$

3. Козаринент иопеосуения

T,K	hp, cm-1
293	2.10 ⁻³ 5.10 ⁻³
1528	7,8.10
1677	1-10

4 Resoppuyuenus upenouncenus enerteur.

R = 0,25 cm R1 = 0,40 cm. Mup = 1,46.

- однашерным меньодом. Zagana payfubacieres na gle noggegara. The graduenum (7) ongevaences pagnoesubul oneparep, generalyongun no neopganaire 4, a laneum \hat{q}_{ji} jamuenhaeras $\hat{q}_{ji} = 1$ \hat{q}_{ji} . Мисем в результая разностиро схену 2i. hx Mx Cji (yji - yji) = 1 (2i-1/2· Frj, i-1/2 - 2i+1/2· Frj, i+1/2)-- Zi hing gist. Mogentabuer bonjaneenus ques mon exemen.

upraem ypabnenus pagnocernon exemen. 7. Zo-1/2. Pi-1/2. Aj, i-1/2. yj, i-1
R12. hx $-\left(\frac{2i h \times \cdot \hat{c}_{ji}}{Pi} + \frac{7 \cdot 2i - 1/2 \cdot \hat{p}_{i} - 1/2}{h \times R_{1}^{2}} + \frac{7 \cdot 2i + 1/2 \cdot \hat{p}_{i} + 1/2}{h \times R_{1}^{2}}\right)_{ji}^{1}$ $+\frac{2\cdot 2i+1/2\cdot \widetilde{p}_{i}+1/2\cdot \widehat{J}_{j,i}+1/2}{h_{X}\cdot R_{1}^{2}}\cdot \widetilde{J}_{j,i}+1/2}\cdot \widetilde{J}_{j,i}+1=$ $=-\left(\frac{\underline{z_i\cdot h_x\cdot \hat{c}_{ji}\cdot y_{ji}}}{\widetilde{p_i}}-\frac{\overline{v\cdot z_i\cdot h_x}}{\widetilde{p_i}}\widetilde{q_{ji}}\right).$

B ranoniorecuous buge $Ai \cdot y_{j,i-1} - Bi \cdot y_{ji} + Di y_{j,i+1} = -F_i, i=1,2,-N_x-1$ При дпиченрования значения инденея з инсени систему ур-ний с перехупаннамы-ной мамерицей. рия натурого значения ј сисигения рещается меторога прогонки. 2) Ha 2-u France (2-3 nogzagara) 6 (7) Onyevaeuras paruseinud onepaurep, gener-bytoignal no moopgunare X, a bineeuro \hat{g}_{ji} museres $\hat{g}_{ji} = \frac{1}{2}\hat{g}_{ji}$. Pagnocinas exerca T. Aj-19,i yj-1,i - $-\left(2ihq\cdot\hat{c}_{ji} + \frac{7\hat{J}_{j-1/2,i}}{R_{i}^{2}\cdot2i} + \frac{7\cdot\hat{J}_{j+1/2,i}}{R_{1}^{2}\cdot2i}\right)\hat{\gamma}_{ji} +$ $+\frac{\text{Thit/2,i}}{\text{Rivien in }}\cdot\hat{y}_{j+1,i}=-\left(z_{i}\cdot h_{\varphi}\cdot\hat{c}_{j}\hat{y}_{ji}^{(1)}-z_{i}h_{\varphi}\cdot\hat{T}\hat{g}_{ji}\right).$ B vanonineenous buge $\hat{A}_j \hat{y}_{j-1,i} - \hat{\beta}_j \hat{y}_{ji} + \hat{\mathcal{D}}_j \hat{y}_{j+1,i} = -\hat{F}_j$ Дия чанедого дриксированного значения инзекся і система уравнений ренясенясья методом прогония.