

1. <http://sgpu2014.narod.ru/infotek7infotek2.htm>.

2. . . . « » , 2016. 248 .

3. . . . „ » , 2016.

4. . . . — 2016. — 8. — . 1053-1055. — URL <https://moluch.ru/archive/112/28735/>

() -

T_0+t_0 .

$U_0, T_0,$

$h, U_0+u_0,$

0.

[1, .46]:

$$u_{-} + v_{-} = \frac{\partial}{\partial x} \left(\frac{\partial \psi}{\partial x} \right) \quad (1)$$

$$+ \frac{\partial}{\partial y} \left(\frac{\partial \psi}{\partial y} \right) = 0 \quad (2)$$

$$\frac{\partial}{\partial x} \left(\frac{\partial \psi}{\partial x} \right) + \frac{\partial}{\partial y} \left(\frac{\partial \psi}{\partial y} \right) = 0 \quad (3)$$

, V_{-}

;

;

$$X=0: \quad 0 < y < h; \quad u = U_0 + u_0, \quad v = T_0 + I_0$$

$$h < y < \infty; \quad u = U_0, \quad v = T_0 \quad (4)$$

$$x > 0: \quad y = 0; \quad u = 0, \quad \frac{dv}{dy} = 0$$

[4, .18]

$$\psi = \left(\frac{\partial \psi}{\partial x} \right) \dots$$

[2, .55]

$$\frac{\partial \psi}{\partial x} = (1 + m)f(4) + \left[Ffc - \frac{\partial \psi}{\partial x} \right] \frac{F(\frac{\partial \psi}{\partial x} + r)}{2a\sqrt{x}} + N_2 \{ 2 \frac{\partial \psi}{\partial x} [(\frac{\partial \psi}{\partial x} - 1)] + \dots \} \quad (5)$$

$$= \frac{U_0}{2a\sqrt{x}}; \quad t_j = \frac{\partial \psi}{\partial x}, \quad \frac{\partial \psi}{\partial x} = -t; \quad \left(\frac{\partial \psi}{\partial x} = \dots \right) dx;$$

$$F(ri) = (1) \dots; \quad N \frac{\partial \psi}{\partial x} \quad (N=0) \quad (5)$$

[3, .29].

.1

$$(5) \quad = 0 \quad N=0 \quad N=0,8.$$

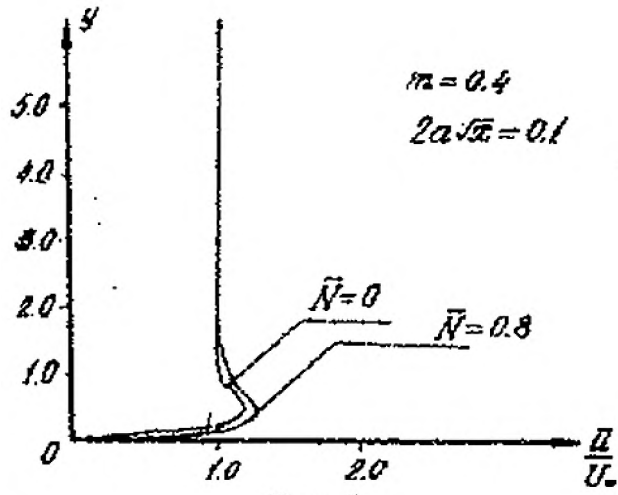


Рис. 1.

.2.

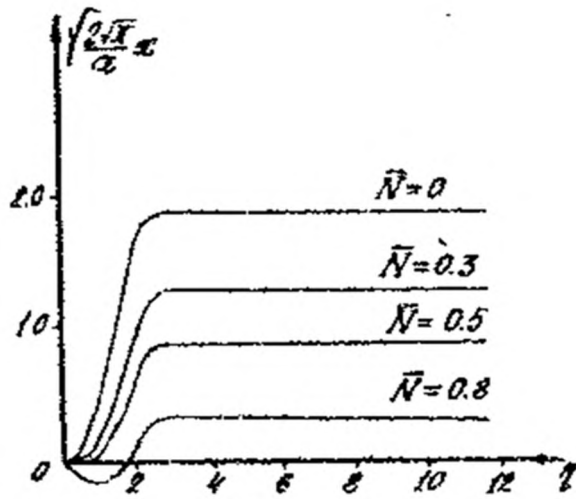


Рис. 2.

N.

= 0

.3.

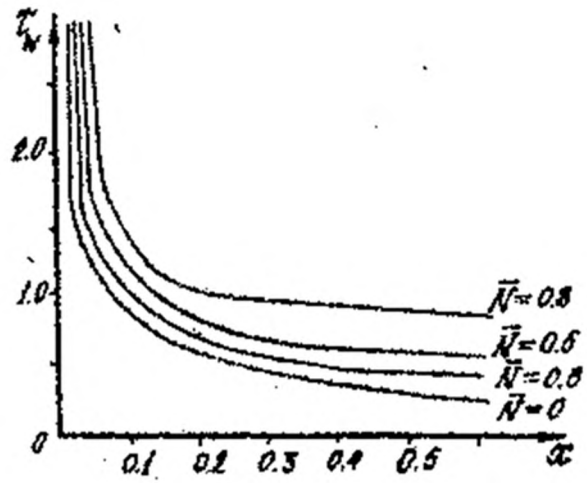


Рис. 3.

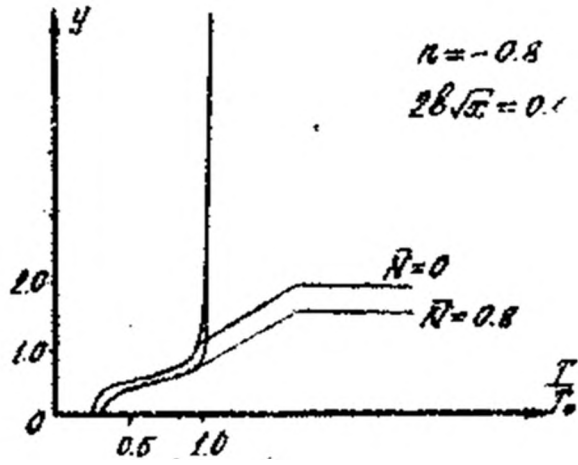
$$= 1 + \frac{FH^{\wedge}}{2\lambda^{\wedge} 2bVx} f) + f(55v ? + \wedge)] + \wedge \quad (6),$$

$$n = \wedge, \quad \wedge = \frac{2}{U_0}$$

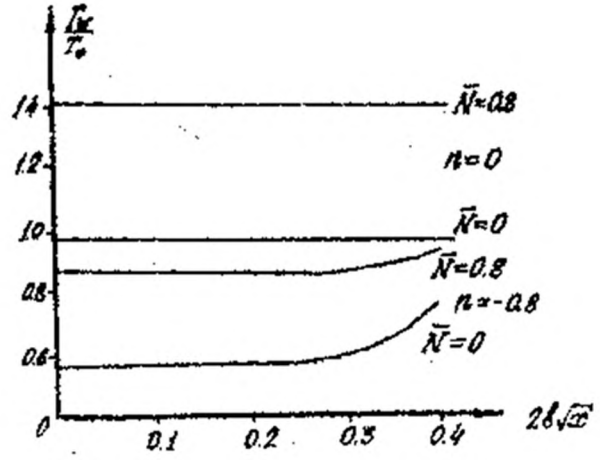
.5

$$\wedge = 1 + \frac{FH^{\wedge}}{\lambda^{\wedge} 2} + \wedge \quad (7)$$

.4,5.



.4.



.5.

1. : ,1973.303 .
2. : .. //
3. . 1980. 4. .53-57. -
4. : , 1956. 120 . -
1971. 1. .17-21. //