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[1, 2, 3, 4, 5]

[1, 5]

3000 - 3500° ,

1000° .

3000°

V

$$T(x, y, \tau) = \frac{q}{4 \cdot \lambda \cdot \pi} \int_0^\tau dt \int_0^{h_1} \frac{dx_u}{\tau-t} \exp\left\{-\frac{[x-x_u + V(\tau-t)\cos\beta]^2 + [y + V(\tau-t)\sin\beta]^2}{4a \cdot (\tau-t)}\right\} \quad (1)$$

(1):

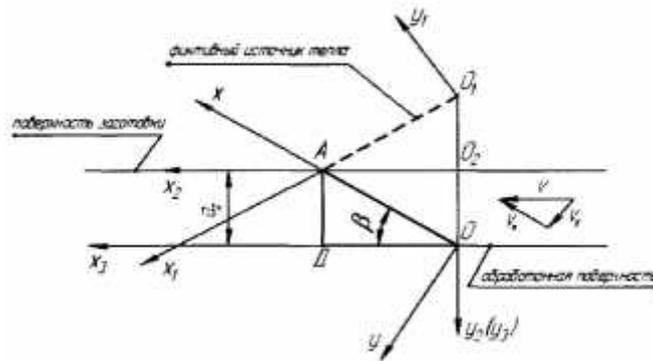


Рис. 1. Наклонный источник тепла OA

$$T_1(x_1, y_1, \tau) = \frac{q}{4 \cdot \lambda \cdot \pi} \int_0^\tau \int_0^{h_1} \frac{1}{\tau-t} \exp\left\{-\frac{[x-x_u + V(\tau-t)\cos\beta]^2 + [y + V(\tau-t)\sin\beta]^2}{4a(\tau-t)}\right\} dx_u dt \quad (2)$$

202 2 X, , 1 1 2, 2.
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$q = 0,4 \cdot 10^7$ / z^2 , $\lambda = 0,226$ / $\cdot \cdot$, $\beta = 0,05$ 2 / , $V = 4000$ / ,
 $\tau = 2$,
 $2,5 \cdot 10^4$
 2%

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 2 3 2,5-3 1

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 , 1962, 231 . 2. . . . -
 , 1969, 288 . 3. . . . -
 - : , 1978, 167 . 4. . . . -
 . - , 1981, 141 . 5. . . . -
 . - : , 1974, 280 .

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[1]

[2],

3D