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[1].

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[2]

$$\begin{cases} \frac{d\dot{v}_r(r,t)}{dr} + \frac{\dot{v}_r(r,t) - \dot{v}_r(r,t)}{r} = 0 \\ \dot{v}_r(r,t) = \frac{du(r,t)}{dr} \\ \dot{v}_r(r,t) = \frac{u(r,t)}{r} \\ \dot{t}_r(r,t) = C_{11} \left[\dot{v}_r(r,t) - a \int_0^t e^{-b(t-s)} \dot{v}_r(r,s) ds \right] + C_{12} \left[\dot{v}_r(r,t) - a \int_0^t e^{-b(t-s)} \dot{v}_r(r,s) ds \right] \\ \dot{t}_r(r,t) = C_{21} \left[\dot{v}_r(r,t) - a \int_0^t e^{-b(t-s)} \dot{v}_r(r,s) ds \right] + C_{22} \left[\dot{v}_r(r,t) - a \int_0^t e^{-b(t-s)} \dot{v}_r(r,s) ds \right] \end{cases}, \quad (1)$$

$r -$; $t -$; $u -$; $r,$
 $-$; $r,$ -
 ; $C_{11} = C_{22}$, $C_{12} = C_{21}$ -
 ; $a, b -$

(1),

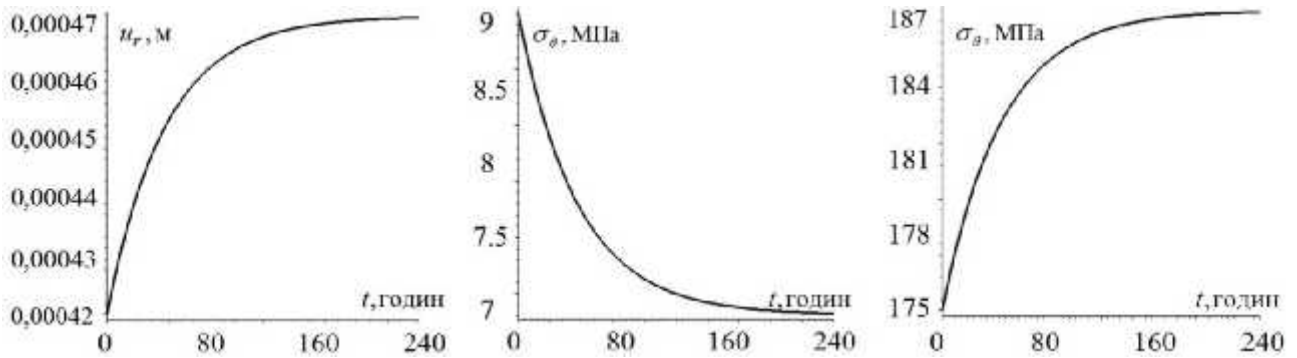
$$f(r,t) - a \int_0^t e^{-b(t-s)} f(r,s) ds = 0, \quad (2)$$

$$f(r,t) = \frac{d^2 u(r,t)}{dr^2} + \frac{1}{r} \frac{du(r,t)}{dr} - \chi^2 \frac{u(r,t)}{r^2}; \quad \chi^2 = \frac{C_{22}}{C_{11}}.$$

(2)

$$u^{(II)}(r,t) = A_3(t) \cdot r + A_4(t) \cdot r^{-1}, \quad u^{(I)}(r,t) = A_1(t) \cdot r + A_2(t)/r.$$

$A_4(t)$, $A_1(t), A_2(t), A_3(t)$,
 [3] (1),



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 1966. — 752 .
 3. / . . , . . ,
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