

[1].

$$\mu k = k \frac{\mu k}{(I + \varphi_1)(I + \varphi_2)}, \quad (1)$$

\bar{p}, \bar{p}_o

()

$$\bar{p} = p R^2 / Eh^2;$$

$$k_\rho = \rho / \rho$$

()

P

[2]

$$(\mu k k) = \frac{2\pi R^2}{\bar{p}_o EP} \left[\frac{\sigma (I + \varphi_2) + \varphi_1 \varphi_2 \sigma k_\rho}{(I + \varphi_1)(I + \varphi_2)} \right]^2, \quad (2)$$

σ, σ

[1]

$$k_\sigma = \frac{2\pi R^2 \sigma_T^2}{\bar{p}_o k_o} > I. \quad (3)$$

(3)

(R L)

P

$\varphi_1, \varphi_2, \psi_1, \psi_2$

μk

μk (1).

μ

μk

$(\mu k)_T (2),$ - 25 75, $\psi_1 \psi_2$ 2- 100 300; 8
 12.
 $R = 200$, $L =$
 μk , - = 400 ,
 $(\mu k)_T ($ - $6,87 \cdot 10^4$, $\nu = 0,3, \sigma_T = 1,47 \cdot 10^2$, -
 $)$, - $P = 55$ -
 $($ - $) \gamma = 1,96 \cdot 10^5$ / ,
 $- k_\sigma \leq 1$ (3). -
 μk ,
 $(\mu k)_T = 2,212,$
 $\varphi_1 = 0,336, \varphi_2 = 6,1, \rho_1 = 46,7, \rho_2 = 176, \psi_1 = \psi_2 = 10,$ -
 $h = 0,231$:
 $1,89 \times 2,08 \times 0,19$ 116 [
 $1,57 \times 1,73 \times 0,16$ 9]
 1. -
 : , 1980. - 368 . - (-
 : 5- . ; . 2).
 2. -
 φ_1 /
 $0,2 \quad 1,2;$, 1980. - 23 . -
 $(2 \div 9)$ $(\varphi_2);$ 12.01.81, 135-81.

624.012.45

5.03.01698

98, 5.03.016
 (2) (3)
 [1]
 $V_{Sd} \leq V_{Rd,1}$ (1) [4, 5]
 $V_{Sd} \leq V_{Rd,2}$ (2)
 $V_{Sd} \leq V_{Rd,3}$ (3)
 $V_{Rd,1} = [\tau_{Rd} k (1.2 + 40 \cdot \rho_l) + 0.15 \cdot \sigma_{cp}] b_w d$ (4)
 $: 1 < k = 1.6 \acute{o} d \leq 1.35 \acute{o}$, 50 %
 $; V_{Rd,1} \acute{o}$; $b_w \acute{o}$ -
 (d) ;
 $; V_{Rd,2} \acute{o}$ $\sigma_{cp} = \frac{N_{Sd}}{A_c}$ \acute{o} -
 $; V_{Rd,3} \acute{o}$ -
 (1) - $($ « »); $\rho_l = \frac{A_{s1}}{b_w \cdot d} \leq 0.02 \acute{o}$ -

() , , 267.