

. 1.

$$L_1 = 100 \quad ; \quad L_2 = 150 \quad ; \quad L_c = 40$$

$$\alpha_0 = 60^\circ$$

$$F_{b\Sigma} = 12 \cdot 10^{-6} \quad ; \quad F_1 = 300 \cdot 10^{-6}$$

[2].

$$K = \frac{B}{b}$$

$$\delta = \frac{\Delta}{b}$$

$$\bar{h} = \frac{H_1}{B}$$

$$M = \frac{1}{2} \quad N = \frac{\mu_1}{\mu_2}, \quad \rho = \mu - \quad -$$

$$(1)$$

$$(2). \quad : \quad = 37,5; \delta = 10; \bar{h} =$$

$$= 1,33; \quad = 0,0019...0,0024, \quad N = 0,064...0,0076.$$

- $\bar{q}_1,$

$$\bar{q}_1 = \frac{\rho W_1^2}{2\Delta p}, \quad (1)$$

$$= \frac{2 - 1 -}{1; 1} W_1 - \quad 2 \quad -$$

- $Re_1 = \frac{H_1 W_1}{\nu_1}; \quad (2)$

- $We_1 = \frac{2\beta_w b \Delta p}{1 + \xi_c \sigma_2}, \quad (3)$

$$\beta_w = 1 + \nu_s^2 - 2\nu_s \cos \alpha, \quad \nu_s = \frac{W_2}{W_1} -$$

$$\nu_s = 1 \quad \beta_w = 4 \sin^2 \alpha / 2; \xi -$$

[3], $\delta \geq 2 \xi = 0,045.$

	$\rho_2, / ^3$	$\mu_2 \cdot 10^{-3}, \cdot$	$\sigma_2 \cdot 10^{-3}, /$
	789	1,19	22,03
-1	805	1,31	28
	998	1,01	72,75

- (1)
- $o_1 = 0,175...0,22$;
- $o_1 = 330...380$;
- $W_1 = 98...100 /$;
- $\dot{m}_1 = 0,052...0,062 / .$

$$\mu_1 = (19,55...21,8) \cdot 10^{-6} \cdot ; \quad \nu_1 = 1,9...1,93 / ^3,$$

$$Re_1 = 1,98 \cdot 10^5,$$

$$d_{c1} \quad d_{c2}$$

$$\Delta = 0,2 \dots 0,65, \quad \bar{q}_2 = (64 \dots 14,6) \cdot 10^{-3}.$$

$$= 0,85$$

$$: \quad m_2 = (0,2 \dots 0,37) / ; \quad m_2 = (0,183 \dots 0,33) / ;$$

$$m_2 = (0,18 \dots 0,327) / .$$

$$We_1 M^{-1}$$

6200...9700.

$$(1000 /)$$

(. 2),

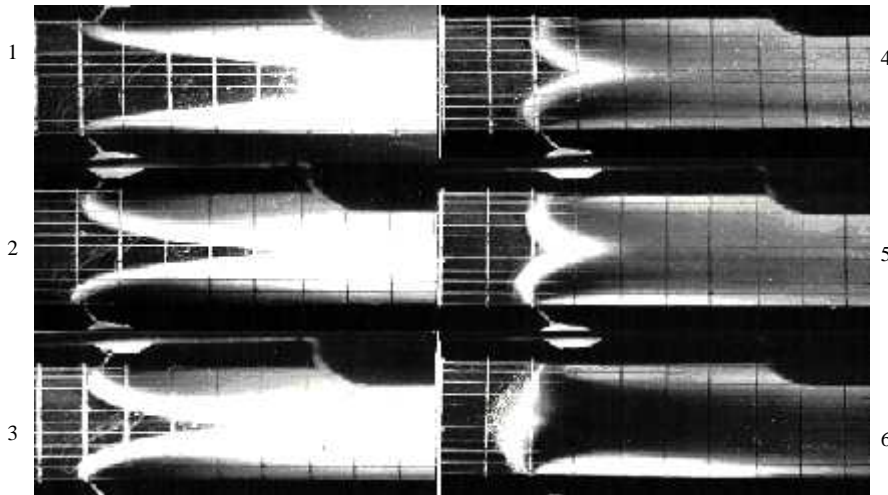
$$(\alpha_0 = \text{const};$$

$$= \text{const}; \bar{h} = \text{const}; = \text{const} \quad N = \text{const}),$$

$$(. 3)$$

$$We_1,$$

$$h_0,$$



. 2.

$$\Delta = 2 - 1; 1 - \Delta = 0,105 \quad ; 2 - 0,15; 3 - 0,25; 4 - 0,35;$$

$$5 - 0,455; 6 - 0,65$$

(« » (. 2, 3)).

$$h,$$

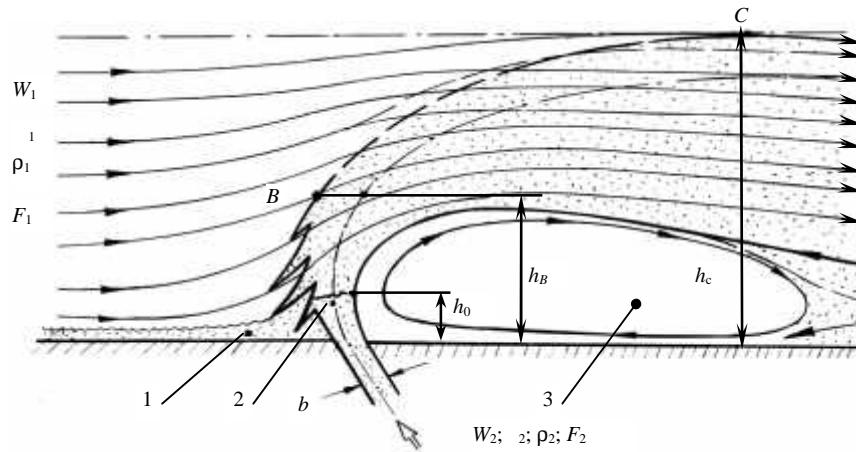
$$h = (1,5 \dots 2,0)h_0$$

$$\Delta = \text{const}$$

$$\delta = \text{const}$$

$$\mu_2$$

$$\sigma_2$$



1 - ; 2 - ; 3 -

$$\vartheta_2 = \frac{W_2}{W_1}$$

d (. . $d \rightarrow d$), Re_1 , We_1

() \bar{q}_1

$$\bar{X} = \frac{X_C}{b}$$

$$\bar{X}_{10} = 0,303\bar{q}_{10} - 0,71, \quad (4)$$

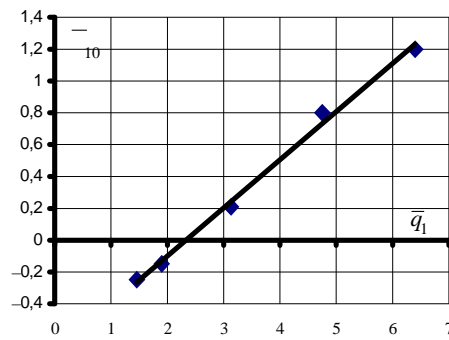
$$\bar{X}_{10} = \bar{X}_C \cdot 10^{-2}; \bar{q}_{10} = \bar{q}_1 \cdot 10^{-2}$$

(4).

. 4,

(-)

(♦)



. 4.

$$(R^2 = 0,9954).$$

[4, 5] C_n ,

$$C_n = C + C \quad (5)$$

[4] , $= 1,0...1,2.$

$$C = \frac{0,357}{2,64\bar{q}_1^{0,37} - 2,9\bar{q}_1^{0,195} + 1}, \quad (6)$$

[5],

\bar{q}_1

1.

2.

3.

1.

- 715 .

2.

, 1977. - 440 .

3.

, 1977. - 208 .

4.

, 1975. - 323 .

5.

// , 1972. - . 248. - . 123-127.

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