

* . . . ,
 ** . . . ,
 * . . . ,
 ** . . . ,
 * . . . ,
 ** . . . ,

(3-5)

[1].

t_{1n}
 $am_n,$

$$t_{1n} = \frac{J_a j \omega_{an} p(1+z)}{M_{bp}(1+j_n)}; \quad (1)$$

$$\omega_{amn} = \frac{\omega_{an}}{1 + j_n}; \quad (2)$$

$$M_{bp} \geq \frac{J_a j \omega_{an}^2 (1+z)^2}{\varphi_{bt} (1+j_n)(2+z)}; \quad (3)$$

$$t_{1o} = \frac{J_a j \omega_{ao} (1+p)(1+z)}{M_{hp} (1+j_o)}; \quad (4)$$

$$\omega_{amo} = \frac{\omega_{ao}}{1 + j_o}; \quad (5)$$

$$M_{hp} \geq \frac{J_a j \omega_a^2 (1+z)^2}{\varphi_{ht} (1+j_o)(2+z)}, \quad (6)$$

$J_a -$
 $j, j, j -$

$$j = \frac{J_h}{J_a (1+p)^2}; \quad j_o = \frac{J_b}{J_a p^2}; \quad j = j + j + j j .$$

$J_b, J_h -$

, -

$p = z_b / z_a -$

$z_b, z_a -$

$z -$

0,2..1,2;

$M_{bp}, M_{hp} -$
 $b \quad h$

$bt \quad ht.$

[2].

$$G_{\Sigma} = 12,2 \cdot 10^{-5} \frac{1}{[\quad]_R} \left(\frac{{}_R x_R}{i_Z} + \frac{{}_Z x_Z [K_0]_R}{i_Z [K_0]_Z} \right) \quad (7)$$

$[K_0]_R -$

$x_R -$

$x_Z -$

$$x_z = \frac{i_z + 1}{i_z} (C_1 + C_2 i_z^2);$$

$[K_0]_Z -$

$i_z = d_2 / d_1 -$

$d_1, d_2 -$

$C_R, C_Z -$

$C_1, C_2 -$

$$x_R = \frac{k + k_g n_\omega (p-1)^2 + k_b p^2}{n_\omega (p-1)},$$

$k, k_g, k_b -$

$n -$

k, k_g, k_b

0,3 -

$[K_0]_R$

$G_Z / []_R$

$() R_G$

$$R_G = \frac{12,2 \cdot 10^{-5}}{i_z} (C_R x_R + C_Z x_Z). \quad (8)$$

$C_R = 1, 2 \dots 2, 6,$

$z = 1, 0 \dots 1, 3,$

$l = 1, 45 \dots 2, 6, \quad z = 0, 36 \dots 0, 44.$

0,15).

. 1

i

p

i_z

$($

$i = i_z / (1 - p),$

R_G

$G -$

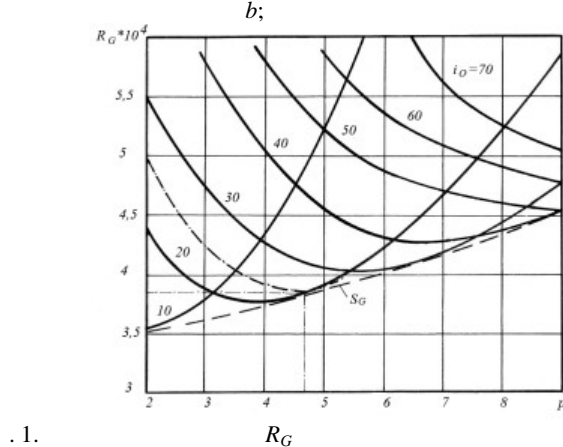
$S_G.$

$:$

$$A = N_a [i_z p (1 + p)]^2 \left(\sqrt[3]{\frac{1}{(p-1)i_z}} \right)^5; \quad (9)$$

$$N_a = \left(\sqrt[3]{M}\right)^5 \omega^2 C \frac{(\psi_b^4 - 1) \pi \gamma \psi (1 + \dots)}{314} \left(\sqrt[3]{\frac{2}{\psi_a n_\omega [K_o]_R}}\right)^5;$$

$j = j / j ;$
 $b ;$



. 1.

$$R_A = \frac{A}{N_a} \quad (10)$$

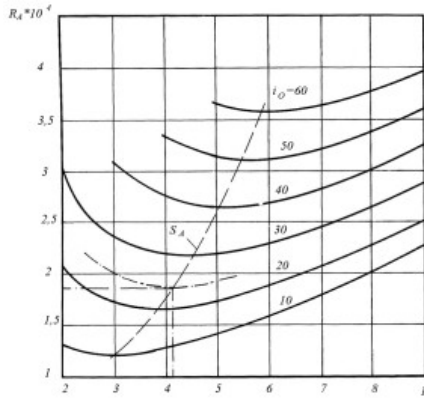
R_A . [3].

. 2

$$R_A = \dots$$

$$z_1 = \frac{g}{g+q} n_{\omega} A; \quad z_2 = \frac{q-g}{2(g+q)} n_{\omega} A; \quad z_3 = \frac{q}{g+q} n_{\omega} A.$$

—
q, g —



. 2.

R_A

1.

2010. - 3(24). - .175-179.

2.

2009. - 1(20). - .306-311

3.

2009. - 31.- .22-25.