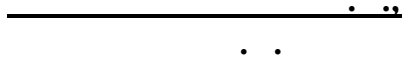


: 1. , 1989. – 175 . 2. , , 2002. – 160 . 3. // « », : :// . – 3. .1. – : // , 1997. .23-25.

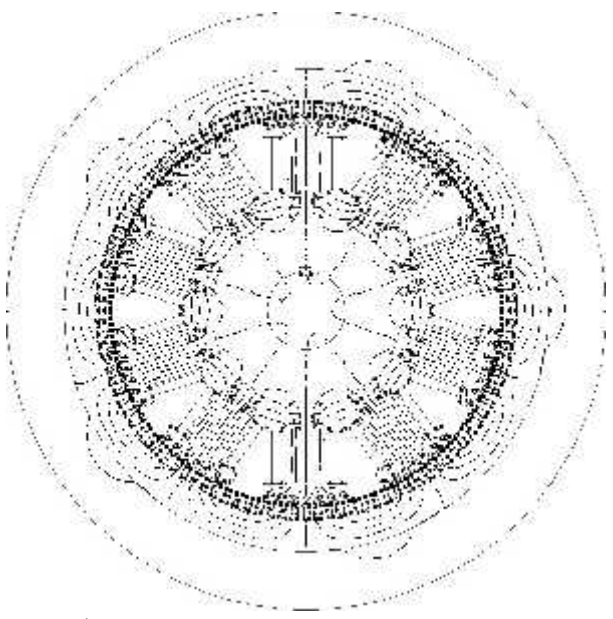
621.313



..

(). ()

[1].



.1.

(). , () ()

$$U_N=6,3 \quad S_N=750 \quad n_r=600 /$$

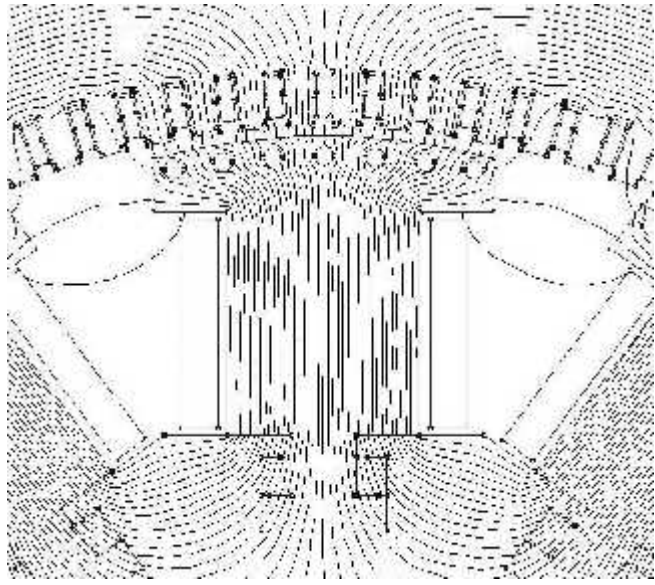
: $l_s = 290$, $d_s = 1150$, $d_{se} = 1430$,
 $\delta = 6,9$, 25 , $Q_s = 108$, $\delta_{max} = 10,3$,
 dxf V10 FEMM [3].

$$\nabla \times \left[\frac{1}{\mu(B)} \nabla \times (\vec{k} A_z) \right] = \vec{k} J_z$$

A_z, J_z –

() ; \vec{k} – ; μ –

(2312)
 3 – 3 ,
). [1].
 ; $F_o = N_E I_o$, $N_E = 52$ –
 ; $I_o = 207,8$ A



.2.

FEMM
 DualCore 2,0
 ()

Intel
 4 .
 .1 .2.

: $A_{max} = 0,12653$ / .

(.3).

[1].

[1]

[2].

$$[1]: \begin{aligned} &= 5,58 \cdot 10^{-2} \\ &= 5,23 \cdot 10^{-2} \end{aligned}$$

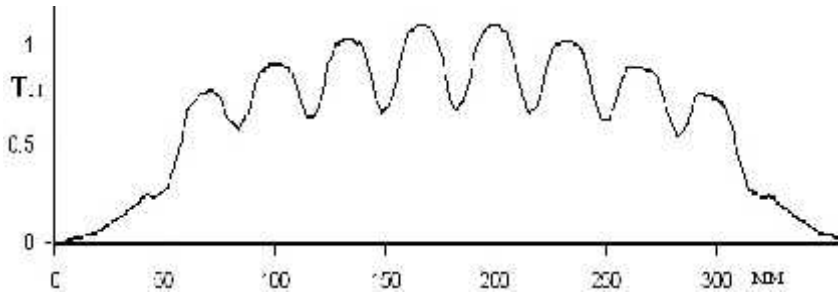
[1]

$$B_p = 1,69$$

$$t_s = 1,56$$

$$[2] \quad t_s = 1,65$$

$$B_p = 1,78$$



.3.

5%,

: 1.

//

.-2006.- 2.- .40-46. 2.

.- .: , -1978.-

832 . 3. Meeker D. Finite Element Method Magnetics., January 26, 2004 // <http://femm.berlios.de>.

_____ . .

. ,

.

.

() ,

[2],

,

,

,

,

,

,

,

.