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The results of solving 2–D problem of heat conductivity in encluosure side of glass features of bathing type glass furnaces with taking into account layer of cooled glass, air cooling, multilayer insulation are presented. Comparison of the design data with the experimental data is made.

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[1, 2].

, [2].

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, [3, 4]

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$$\frac{\partial}{\partial} \left[ \left. \right\} \left( t \right) \frac{\partial t}{\partial} \right] + \frac{\partial}{\partial y} \left[ \left. \right\} \left( t \right) \frac{\partial t}{\partial y} \right] = c(t) \dots (t) \frac{\partial t}{\partial \ddagger}$$
 (1)

$$\{(t), c(t), ...(t) -$$

1 [3].

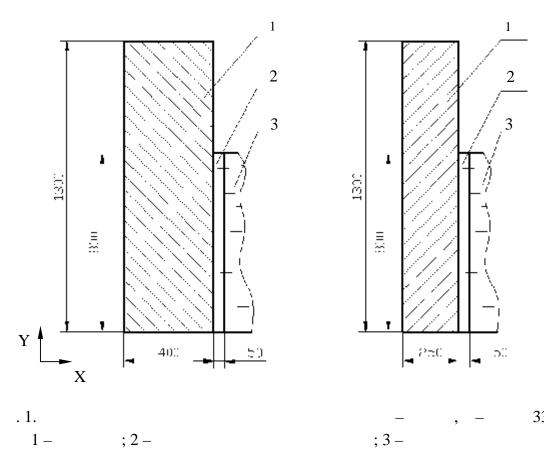
, , = 0 -

,

$$t(x, y, \ddagger) = f(x, y, \ddagger)$$
 (2)

$$\Gamma(x, y, \ddagger, t) (t - t) = \}(t) \frac{\partial t}{\partial}.$$
 (3)

10



33: -;3-; 2 –

1 – 3.

q = 2960 /  $^2$ ,

2

[2],  $q = 2675 / ^{2}.$ 

1

	; 33
,	400; 250
, °	30
, /( <sup>2</sup> )	10
, °	1300
, °	750

2

	,	,
	/ 3	/( · )
33	3500	$4,07 + 0,2686 \cdot 10^{-3} \cdot t$
	1860	$0.7 + 0.64 \cdot 10^{-3} \cdot t$
	950	$0.348 + 10^{-4} t$
-1150	375	$0,130+10^{-4} t$
-1350	500	$0.07 + 0.30 \cdot 10^{-3} \text{ t}$
	225	$0.068 + 0.9 \cdot 10^{-4} t$
	350	$0.085 + 0.21 \cdot 10^{-3} \text{ t}$

3

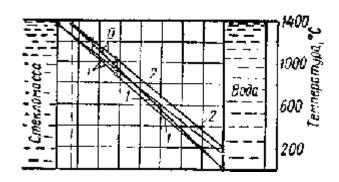
PbO-

[5]

	, °								
	700	800	900	1000	1100	1200	1300	1400	1500
-5	5,0	7,5	18,33	35	63,4	115	148,3	126,7	116,7
-8	3,4	8	13,2	20	34	47,8	39,2	42,8	46,6
-1	3,4	8,2	13	20,4	34	44	39	27,3	15,5

9,6 %

•

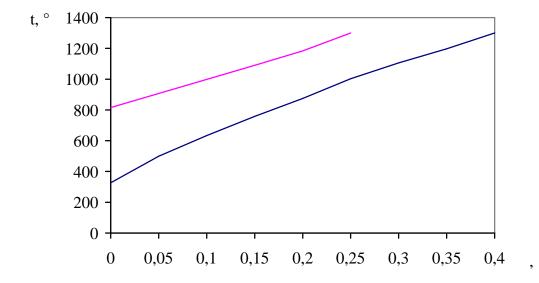


. 2. 400 ( ) 365 (II) (1)

, 33,

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250 – 300 .



. 3. ( ) 33( ).

174

( . 2), 326 ° 815 ° . [3] 9,6 %, **: 1.**, 1990. – 143 . **2**.
. – .: , 1962. – 245 . **3.** . . . . . . . . . . . .// « » .- :« » ,2007.- 32.- .40-46. 4. . .,

24.05.08

« » . – : « » , 2003. – 11.

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