

(7)

(TC CERAMIC)

: 1.

I , 2006, 3.- .69. 2.

- TC CERAMIC.

I , 2006, 6, .26-27. 4.

, 1982.- 412 . 5. R-

, 1993.- 16 .

17.04.07

666.21

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• • , . II , « »

TiO₂ ZnO.

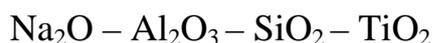
In paper the micronon-uniform structure zinc-titanium borosilicate glass and processes of phase separation in them according to diffusing under vanishing angles of neutrons is investigated. It is drawn a leading-out on distribution of depositing corpuscles character on sizes which changes in studied glasses depending on the contents in them TiO_2 and ZnO . Effect of presence micro micronon-uniforms after melting on character of their phase separation is established.

ZnO, TiO_2 , Si, Na, O

$$(\)^2$$

$$(\)^2 = (\ 1 - \ 2)^2 \ 1 \ 2 ,$$

$$\frac{1}{1} \frac{2^2}{2} -$$



[3 - 5].

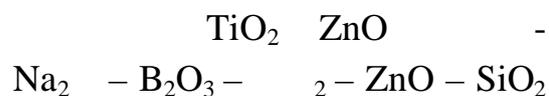
TiO_2

$$(\ 2 \) .$$

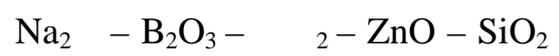
(700 - 800 °)

TiO_2 8 %,

TiO_2 .

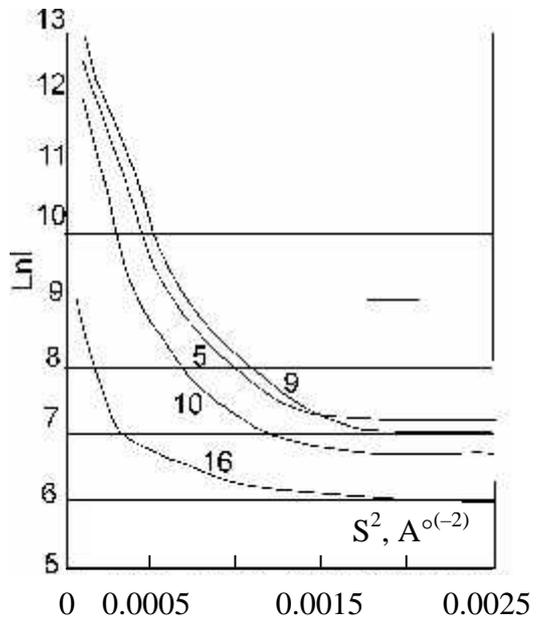


Cu^{2+} , -30 , -18 , -200 (100).



$\text{TiO}_2 - \text{ZnO}$ (1)

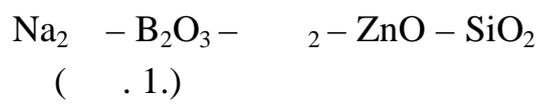
$\cdot 10^{-2} / 3 \text{ Ti}^{4+} \text{ Zn}^{2+}$ (4,5 7,14).



TiO_2 15 20

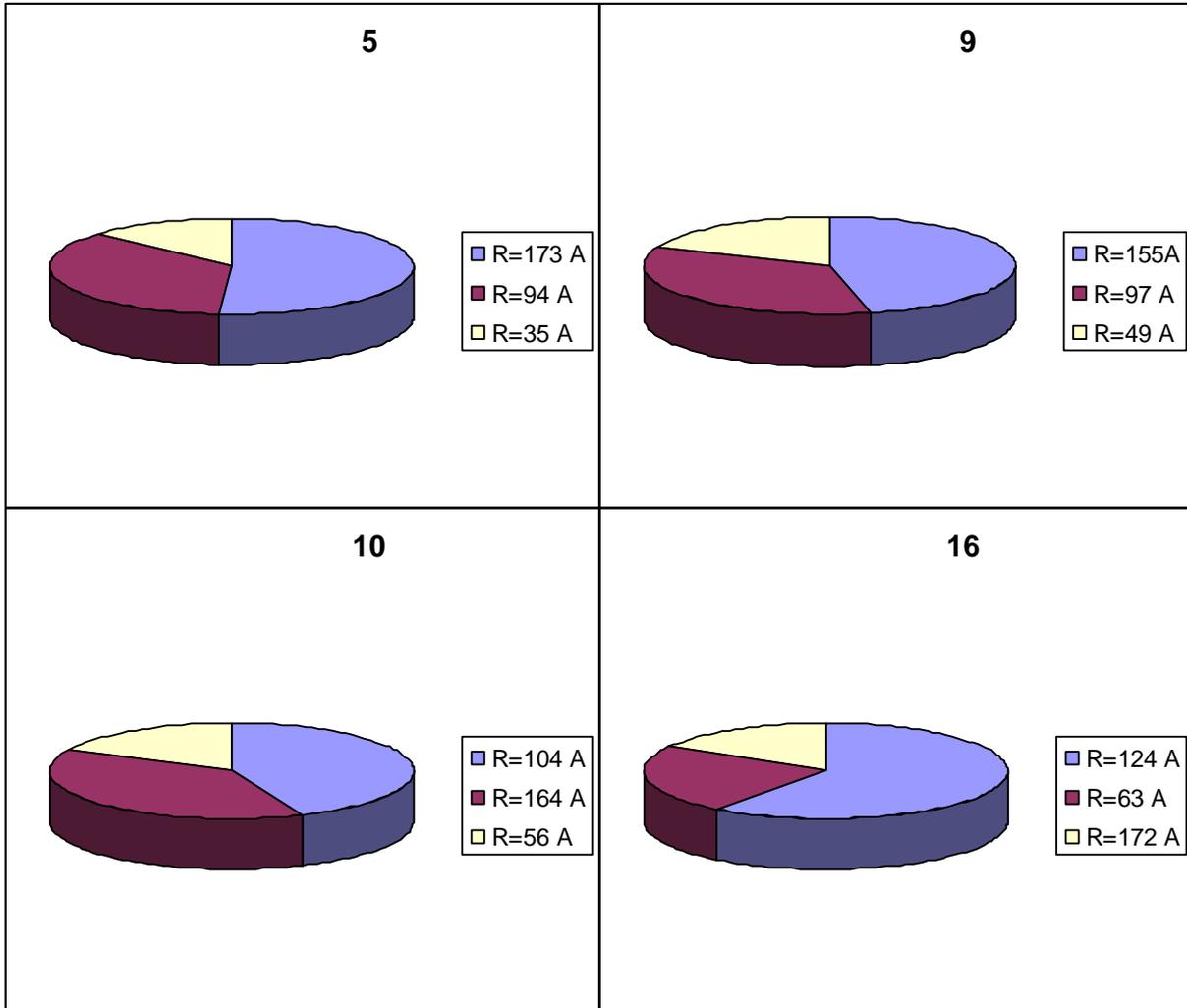
TiO_2 .

0,010



35 – 63 °,
155 – 173 ° (.2).

94 – 124 °,



.2.



TiO₂ 5 . .).

(16

