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(TC CERAMIC)

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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

$$R^2 [1, 2].$$

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

$$1 2^2 - 1 2 -$$

$Na_2O - Al_2O_3 - SiO_2 - TiO_2$ [3 - 5].

TiO_2 (2).

(700 - 800 °) TiO_2 8 %.

TiO_2 ZnO

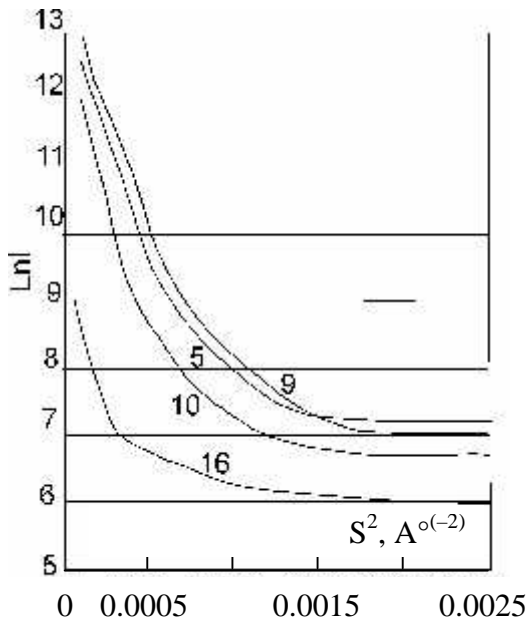
$Na_2 - B_2O_3 - 2 - ZnO - SiO_2$

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



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

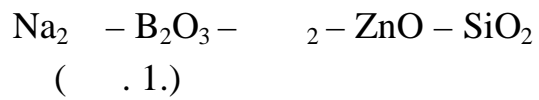
$\cdot 10^{-2} / 3 \text{ Ti}^{4+} \text{ Zn}^{2+}$ (4,5 7,14).



TiO_2 15 20

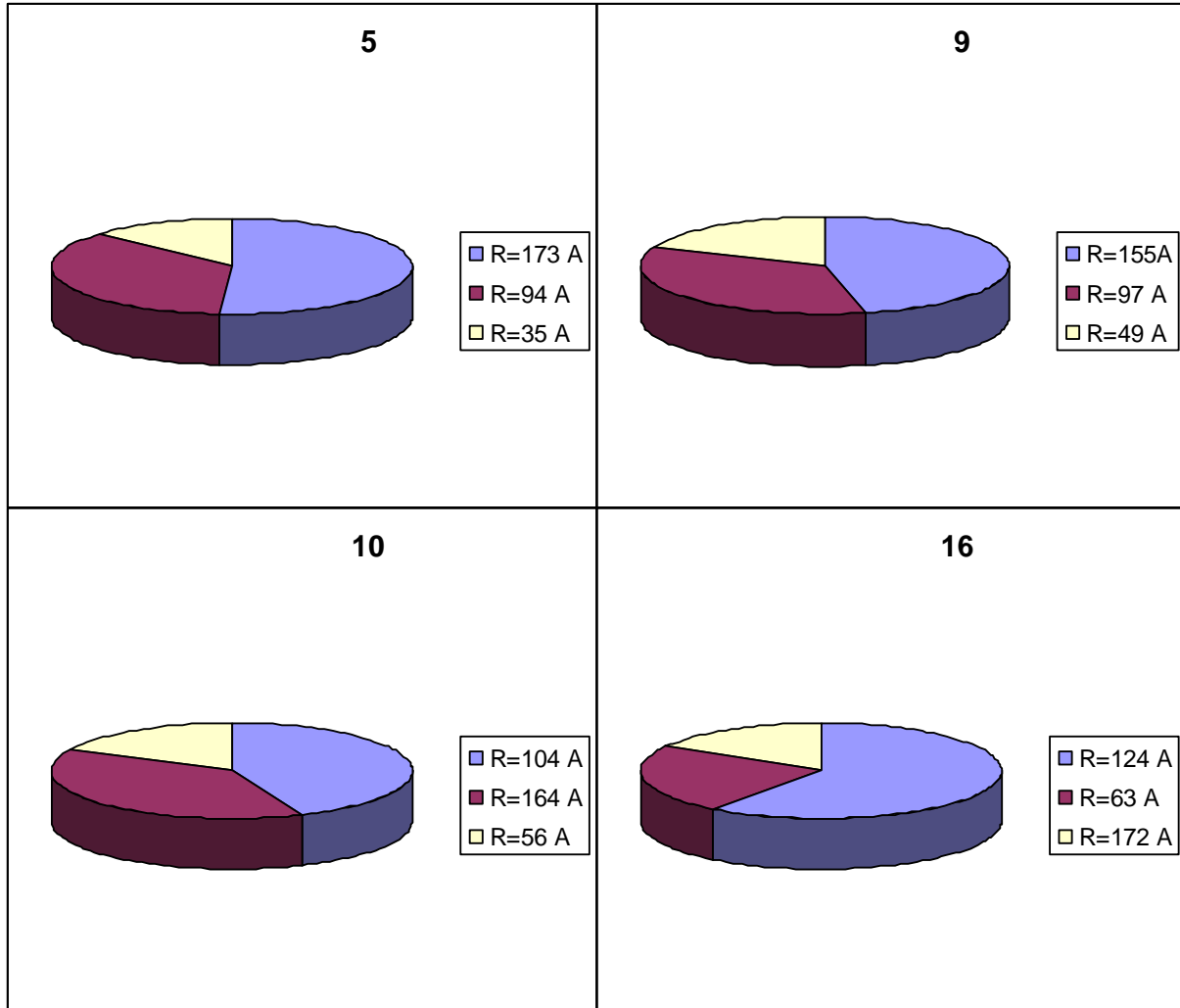
TiO_2

0,010



35 – 63 °,
155 – 173 ° (.2).

94 – 124 °,



.2.



TiO_2 5 . .).

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The overview of modern approaches to the procedure of the estimation of environmental objects condition at anthropogenic effect was made. Analysis of methodologies that allow to characterize quantitatively the extent of changes influence in the state of nature environment on men's health was fulfilled. To