

THE ANION GROUPS IN MELTS OF $\text{Na}_2\text{O-SiO}_2$ SYSTEM

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The statistical method of computer simulation grounded on experimental data about a local structure of melts (Q^n - distribution) was used. The examination of melts of system $\text{Na}_2\text{O-SiO}_2$ in the range of compositions with the content SiO_2 from 40 to 60 mol.% is carried out and the distribution of silicate anions on the sizes and shape is obtained.

It is shown, that anion sizes increase at the increasing of the content SiO_2 and polymerization of system. The formation of anions with "infinite" size is observed at composition close to metasilicate. It is established, that the main species of silicate groups are the chains.

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