

TRANSIENT STATES DURING MELTING OF IONIC CRYSTALS WITH COMMON CATION

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An influence of anion has been revealed on transient states during melting of ionic crystals KCl, KBr and KI. As has been established, increase of anion radius leads to increasing temperature-time intervals of transient pre- and post-melting processes and decreasing of intensity of dissipation heat fluctuations. Calculations of the cluster systems parameters of pre-and post-melting phases have been carried out according to experimental data, which obtained during investigation of transient processes at the melting of KCl, KBr and KI.