

# Model of Sodium Chloride Premelting

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A model for the premelting of alkali chlorides is proposed. It is shown that diminishing of the free length of phonons under temperature increase may bring about the instability of the crystal lattice near the melting point. A probable structure of a lattice near this temperature been examined.

*Key words:* Alkali Chlorides; Premelting Anomalies; Clusters.