

# Atomic Ordering in Liquid and Amorphous Metals



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Special attention is being paid to the properties and structure of metallic melts because many metals are produced in the molten state. The composition and structure of the initial phases influence the properties and service characteristics of the solidified material. In particular, quenching of melts produces metallic glasses, i.e. a new type of a valve materials whose structure is close to the structure of initial melts and the service characteristics are sometimes considerably higher than the corresponding characteristics of these metals in crystalline state. It is important to develop efficient methods of experimental examination of the atomic ordering in this material. An important position in the group of these methods is occupied by diffraction methods - X-ray, electron and neutron.

作者介绍:

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评论

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