

Atomic structure changes in amorphous alloys
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Abstract

Atomic structure in amorphous alloys is a long standing issue in the field of material science. In this talk, we will report results of atomic structure changes in amorphous alloys by varying composition, temperature and pressure obtained recently by synchrotron radiation-based techniques (XAFS and XRD). A few problems, e.g., which factors are governing the glass forming ability in alloys, what is atomic structure evolution in metallic liquids as a function of temperature, are there pressure-induced phase transitions in amorphous alloys, etc, will be discussed.

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