

# Alloy Physics

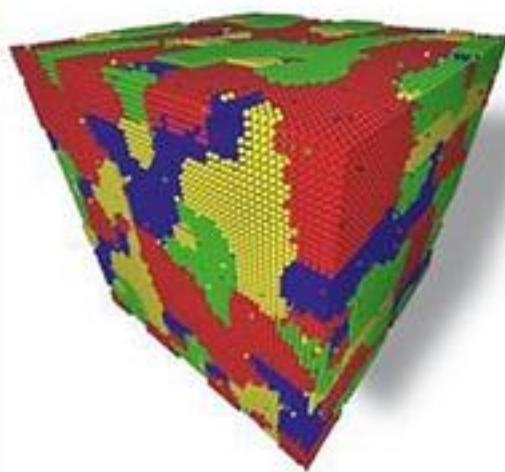


Wolfgang Pfeiler (Ed.)

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# Alloy Physics

A Comprehensive Reference



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Covering the latest research in alloy physics together with the underlying basic principles, this comprehensive book provides a sound understanding of the structural changes in metals and alloys -- ranging from plastic deformation, deformation dynamics and ordering kinetics right up to atom jump processes, first principle calculations and simulation techniques. Alongside fundamental topics, such as crystal defects, phase transformations and statistical thermodynamics, the team of international authors treats such hot areas as nano-size effects, interfaces, and spintronics, as well as technical applications of modern alloys, like data storage and recording, and the possibilities offered by materials design.

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