

# Structural and magnetic properties of some defect-type B2 phases.

University of Birmingham - Thermodynamics of intermetallic phases with the triple

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## Thermodynamics of intermetallic phases with the triple

This strongly suggests that the reaction starts with the formation of 001 -textured nanograins containing B2—ordered FeRh phases with close lattice parameters and significant lattice distortions.

[PDF] Structural and Magnetic Properties of Fe<sub>3-x</sub>TixSn Disordered Alloys

Soft magnetic metallic alloys play a prominent role in energy applications. Density, elastic and magnetic properties of Co—Fe—Ta—Si metallic glasses by theory and experiment. As expected, the magnitude of the calculated 0 K DFT total magnetic moment values are higher than that of the 300 K experimental data.

## Magnetic properties and thermal stability of B2 and bcc phases in AlCoCrFeMnxNi

A magnetic glass state over the first-order ferromagnetic-to-antiferromagnetic transition in FeRh film. They were based on thermodynamic treatments in which each compound belongs to either the triple defect TRD type group or the antistructure defect ASD type one.

## Magnetic properties and thermal stability of B2 and bcc phases in AlCoCrFeMnxNi

From microstructure point of view, the grain size and fraction of grain boundaries also influence the electrical resistivity. After annealing above 600 °C the  $\alpha' l'$  phase develops either into the  $\alpha h'$  phase with high magnetization or remains in the  $\alpha' l'$  phase.

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