

Thermodynamics of microstructures

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Abstrak

This information packed text and reference book introduces mathematical models for describing microstructural phenomena. The teaching method of the book is enhanced with solved problems. Each chapter has exercises complemented with notes, hints, and answers, and references important literature. This solid background in computational thermodynamics will allows the material scientist and material designer to use computational methods to develop new materials by modeling phase equilibria, molecular structure, and dynamics.