

Advanced Thermodynamics
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Peritectic solidification, metastable phase diagrams

Questions:

1. Why coupled growth cannot occur during peritectic solidification?
2. Why peritectic reactions are sluggish, while eutectic reactions are not so?
3. What is the driving force for the peritectic growth?
4. Demonstrate how metastable phase diagrams evolve out of stable phase diagrams when the formation of certain phase is more difficult.