

Advanced Thermodynamics
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Evolution of phase diagrams

Questions:

1. What would be the values of regular solution interaction parameters of liquid and solid for an isomorphous system?
2. Under what conditions, we get phase diagrams with congruent melting phases?
3. When do you get pseudo eutectic phase diagrams?
4. How do you explain solid solubility limit from the perspective of atomic size differences?
5. When does an isomorphous phase diagram transform into a eutectic?
6. What are the conditions under which a eutectic or a peritectic phase diagram forms?
7. What is a deep eutectic?
8. What is glass forming ability and how do you represent it?
9. When do you get a monotectic phase diagram?