

Advanced Thermodynamics
Prof. B.S. Murty
Department of Metallurgy and Material Science Engineering
IIT Madras

Phase rule and phase diagrams

Questions:

1. Derive the phase rule?
2. Show that an isomorphous alloy melts over a range of temperature using phase rule.
3. Show that a binary eutectic in a ternary phase diagram is not invariant.
4. What are pseudo eutectic phase diagrams?
5. What is T_0 curve?