## Advanced Thermodynamics

### Prof. B.S. Murty

# Department of Metallurgy and Material Science Engineering IIT Madras

### Eutectic solidification, coupled growth, heterogeneous nucleation

#### Questions:

- 1. Why coupled growth does occur during eutectic solidification?
- 2. What is the driving force for the eutectic growth?
- 3. Under what conditions lamellar eutectics form?
- 4. When do you get divorced eutectic?
- 5. What are the conditions for heterogeneous nucleation?