NPTEL Video Course - Chemistry and Biochemistry - NOC:Basic Statistical Mechanics

Subject Co-ordinator - Prof. Biman Bagchi

Co-ordinating Institute - IIT - Bombay

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Cluster Expansion and Mayerâ s Theory of Condensation - Part 3
Lecture 31 - Cluster Expansion and Mayerâ s Theory of Condensation - Part 4
Lecture 32 - Cluster Expansion and Mayerâ s Theory of Condensation - Part 5
Lecture 33 - Cluster Expansion and Mayerâ s Theory of Condensation - Part 6
Lecture 34 - Phase Transition and Landau Theory - Part 1
Lecture 35 - Phase Transition and Landau Theory - Part 2
Lecture 36 - Phase Transition and Landau Theory - Part 3
Lecture 37 - Comments on some important Concepts of Statistical Mechanics
Lecture 38 - Nucleation Part 1
Lecture 39 - Nucleation Part 2
Lecture 40 - Nucleation Part 3
Lecture 41 - Nucleation Part 4
Lecture 42 - Spinodal Decomposition and Pattern Formation
Lecture 43 - Spinodal Decomposition and Pattern Formation
Lecture 44 - Ising Model and Other Lattice Models - Part 1
Lecture 45 - Ising Model and Other Lattice Models - Part 2
Lecture 46 - Ising Model and Other Lattice Models - Part 3
Lecture 47 - Ising Model and Other Lattice Models - Part 4
Lecture 48 - Ising Model and Other Lattice Models - Part 5
Lecture 49 - Binary Mixtures
Lecture 50 - Binary Mixtures
Lecture 51 - Theory of Liquids - Part 1
Lecture 52 - Theory of Liquids - Part 2
Lecture 53 - Theory of Liquids - Part 3
Lecture 54 - Theory of Liquids - Part 4
Lecture 55 - Polymers in Solution and Polymer Collapse - Part 1
Lecture 56 - Polymers in Solution and Polymer Collapse - Part 2
Lecture 57 - Polymers in Solution and Polymer Collapse - Part 3
Lecture 58 - Polymers in Solution and Polymer Collapse - Part 4
Lecture 59 - Computer Simulation Methods in Statistical Mechanics - Part 1
Lecture 60 - Computer Simulation Methods in Statistical Mechanics - Part 2
Lecture 61 - Conclusion