

# NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Physics - NOC:Solid State Physics

Subject Co-ordinator - Prof. Amal Kumar Das

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Atom to Solid Structure  
Lecture 2 - Atom to Solid Structure (Continued...)  
Lecture 3 - Structure of Solid  
Lecture 4 - Structure of Solid (Continued...)  
Lecture 5 - Crystal Structure  
Lecture 6 - Crystal Structure (Continued...)  
Lecture 7 - Crystal Structure (Continued...)  
Lecture 8 - Crystal Structure (Continued...)  
Lecture 9 - Crystal Structure (Continued...)  
Lecture 10 - Crystal Structure (Continued...)  
Lecture 11 - Crystal Structure (Continued...)  
Lecture 12 - Crystal Structure (Continued...)  
Lecture 13 - Crystal Structure (Continued...)  
Lecture 14 - Crystal Structure (Continued...)  
Lecture 15 - Crystal Structure (Continued...)  
Lecture 16 - Crystal Structure (Continued...)  
Lecture 17 - Crystal Structure (Continued...)  
Lecture 18 - X-ray Diffraction from Crystal  
Lecture 19 - X-ray Diffraction from Crystal (Continued...)  
Lecture 20 - X-ray Diffraction from Crystal (Continued...)  
Lecture 21 - X-ray Diffraction from Crystal (Continued...)  
Lecture 22 - X-ray Diffraction from Crystal (Continued...)  
Lecture 23 - X-ray Diffraction from Crystal (Continued...)  
Lecture 24 - X-ray Diffraction from Crystal (Continued...)  
Lecture 25 - Reciprocal Lattice  
Lecture 26 - Reciprocal Lattice (Continued...)  
Lecture 27 - Reciprocal Lattice (Continued...)  
Lecture 28 - Reciprocal Lattice (Continued...)  
Lecture 29 - Reciprocal Lattice (Continued...)

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## NPTTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

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- Lecture 30 - Intensity of Bragg Diffraction
- Lecture 31 - Intensity of Bragg Diffraction (Continued...)
- Lecture 32 - Electrical Properties of Metal
- Lecture 33 - Electrical Properties of Metal (Continued...)
- Lecture 34 - Electrical Properties of Metal (Continued...)
- Lecture 35 - Electrical Properties of Metal (Continued...)
- Lecture 36 - Electrical Properties of Metal (Continued...)
- Lecture 37 - Electrical Properties of Metal (Continued...)
- Lecture 38 - Electrical Properties of Metal (Continued...)
- Lecture 39 - Electrical Properties of Metal (Continued...)
- Lecture 40 - Band Theory of Solids
- Lecture 41 - Band Theory of Solids (Continued...)
- Lecture 42 - Band Theory of Solids (Continued...)
- Lecture 43 - Band Theory of Solids (Continued...)
- Lecture 44 - Band Theory of Solids (Continued...)
- Lecture 45 - Band Theory of Solids (Continued...)
- Lecture 46 - Band Theory of Solids (Continued...)
- Lecture 47 - Physics of Semiconductor
- Lecture 48 - Physics of Semiconductor (Continued...)
- Lecture 49 - Physics of Semiconductor
- Lecture 50 - Electrical Conduction
- Lecture 51 - Electrical Conduction
- Lecture 52
- Lecture 53
- Lecture 54 - Thermal Properties of Solid (Continued...)
- Lecture 55 - Thermal Properties of Solid (Continued...)
- Lecture 56 - Thermal Properties of Solid (Continued...)
- Lecture 57 - Thermal Properties of Solid (Continued...)
- Lecture 58 - Magnetic Property of Solid
- Lecture 59 - Magnetic Property of Solid (Continued...)
- Lecture 60 - Magnetic Property of Solid (Continued...)
- Lecture 61 - Magnetic Property of Solid (Continued...)
- Lecture 62 - Magnetic Property of Solid (Continued...)
- Lecture 63 - Magnetic Property of Solid (Continued...)
- Lecture 64 - Magnetic Property of Solid (Continued...)
- Lecture 65 - Magnetic Property of Solid (Continued...)
- Lecture 66 - Magnetic Property of Solid (Continued...)
- Lecture 67 - Magnetic Property of Solid (Continued...)
- Lecture 68 - Magnetic Property of Solid (Continued...)

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- Lecture 69 - Magnetic Property of Solid (Continued...)
- Lecture 70 - Magnetic Property of Solid (Continued...)
- Lecture 71 - Magnetic Property of Solids (Continued...)
- Lecture 72 - Dielectric Properties of Solid
- Lecture 73 - Dielectric Properties of Solid (Continued...)
- Lecture 74 - Dielectric Properties of Solid (Continued...)
- Lecture 75 - Superconductivity