

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

NPTEL Video Course - Physics - NOC:Experimental Physics-III

Subject Co-ordinator - Prof. Amal Kumar Das

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Basic Tools and Instruments in the Laboratory
Lecture 2 - Basic Tools and Instruments in the Laboratory (Continued...)
Lecture 3 - Cathode Ray Oscilloscope (CRO)
Lecture 4 - Cathode Ray Oscilloscope (CRO) (Continued...)
Lecture 5 - Electro Magnet and Constant Current Power Supply
Lecture 6 - Electro Magnet and Constant Current Power Supply (Continued...)
Lecture 7 - Electro Magnet and Constant Current Power Supply (Continued...)
Lecture 8 - Gaussmeter/Teslameter
Lecture 9 - Gaussmeter/Teslameter (Continued...)
Lecture 10 - Lock in Amplifier
Lecture 11 - Lock in Amplifier (Continued...)
Lecture 12 - Measurement of magneto resistance
Lecture 13 - Magneto resistance for Semiconductor
Lecture 14 - Hall Effect
Lecture 15 - Hall Effect as a function of magnetic Field
Lecture 16 - Hall Effect as a function of temperature
Lecture 17 - To study the variation of resistivity of metal and semiconductor at low temperature region (Cont
Lecture 18 - To study the variation of resistivity of metal and semiconductor at low temperature region (Cont
Lecture 19 - Measurement of magnetisation of ferromagnetic material
Lecture 20 - Measurement of magnetisation of ferromagnetic material (Continued...)
Lecture 21 - Susceptibility of paramagnetic substance by Quincke's tube method
Lecture 22 - Experiment of Quincke's Tube Method
Lecture 23 - Susceptibility of paramagnetic substance by Gouy's method
Lecture 24 - Dielectric constant of solid
Lecture 25 - Dielectric constant of non-conducting liquid
Lecture 26 - P-E Loop of Ferroelectric Material
Lecture 27 - Measurement of Ionic Conductivity
Lecture 28 - Measurement of Ionic Conductivity (Continued...)
Lecture 29 - Electron Spin Resonance (ESR)

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

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

Lecture 30 - Electron Spin Resonance (ESR) Experiment
Lecture 31 - Superconductivity
Lecture 32 - Superconductivity (Continued...)
Lecture 33 - Superconductivity (Continued...)
Lecture 34 - Nuclear g-factor
Lecture 35 - Nuclear g-factor (Continued...)
Lecture 36 - P-N Junction
Lecture 37 - P-N Junction (Continued...)
Lecture 38 - P-N Junction (Continued...)
Lecture 39 - Zeeman Effect
Lecture 40 - Zeeman Effect (Continued...)
Lecture 41 - Zeeman Effect (Continued...)
Lecture 42 - Sodium Yellow Doublet
Lecture 43 - Sodium Yellow Doublet (Continued...)
Lecture 44 - Study of Absorption Spectrum of Iodine Vapour
Lecture 45 - Study of Absorption Spectrum of Iodine Vapour (Continued...)
Lecture 46 - Study of Absorption Spectrum of Iodine Vapour (Continued...)
Lecture 47 - Determination of Wavelength of Spectral Lines using Constant Deviation Spectrometer
Lecture 48 - Determination of Wavelength of Spectral Lines using Constant Deviation Spectrometer (Continued...)
Lecture 49 - Photoelastic Property of Materials
Lecture 50 - Photoelastic Property of Materials (Continued...)
Lecture 51 - Photoelastic Property of Materials (Continued...)
Lecture 52 - Faraday Effect
Lecture 53 - Faraday Effect (Continued...)
Lecture 54 - Electron Diffraction
Lecture 55 - Electron Diffraction (Continued...)
Lecture 56 - Determination of Velocity of Light in Free Space
Lecture 57 - Determination of Velocity of Light in Free Space (Continued...)
Lecture 58 - X-Ray Diffraction and Crystal Structure
Lecture 59 - X-Ray Diffraction and Crystal Structure (Continued...)
Lecture 60 - X-Ray Diffraction and Crystal Structure (Continued...)
Lecture 61 - X-Ray Diffraction and Crystal Structure (Continued...)
Lecture 62