

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

NPTEL Video Course - Electronics and Communication Engineering - Electronics for Analog Signal Processing - I

Subject Co-ordinator - Prof. K. Radhakrishna Rao

Co-ordinating Institute - IIT - Madras | Texas Instruments - India

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

Lecture 1 - Introduction
Lecture 2 - Diode
Lecture 3 - Diode characteristics
Lecture 4 - Rectifier
Lecture 5 - Voltage Multiplier
Lecture 6 - Full Wave Rectifier and Peak Detector
Lecture 7 - Diode as a GATE
Lecture 8 - Analog GATE
Lecture 9 - Small Signal Analysis of Diode Circuit
Lecture 10 - Zener Regulator and Voltage Regulator
Lecture 11 - Varactor Diode
Lecture 12 - Amplifiers
Lecture 13 - Cascading of Amplifiers
Lecture 14 - Cascading of Amplifiers
Lecture 15 - h and g Parameters
Lecture 16 - Two Port Analysis
Lecture 17 - Amplifier Applications
Lecture 18 - Frequency Limitations Of An Amplifier
Lecture 19 - Distortion In Amplifiers
Lecture 20 - Bipolar Junction Transistor
Lecture 21 - Transistor (BJT) Inverter
Lecture 22 - Transistor Biasing
Lecture 23 - Stable Way of Biasing
Lecture 24 - Common Emitter Amplifiers
Lecture 25 - Transistor Biasing Using Single Supply
Lecture 26 - Metal Oxide Semiconductor
Lecture 27 - Construction of a MOSFET
Lecture 28 - Varieties of MOSFETS and JFETS
Lecture 29 - Characteristics of MOSFET

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- Lecture 30 - Cascading Amplifiers
- Lecture 31 - Cascading (Direct Coupling)
- Lecture 32 - The Differential Amplifiers
- Lecture 33 - BJT Differential Amplifiers
- Lecture 34 - MOSFET Differential Amplifiers
- Lecture 35 - Cascading Differential Amplifiers
- Lecture 36 - Current Source and Current Sink
- Lecture 37 - NMOS Inverters and CMOS Inverters
- Lecture 38 - Active Components used in Electronics