

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

NPTEL Video Course - Electrical Engineering - NOC:Analog Electronic Circuits

Subject Co-ordinator - Prof. Pradip Mandal

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction to the course  
Lecture 2 - Introduction to the constituent topics of the course and the Layout  
Lecture 3 - Revisit to pre-requisite topics  
Lecture 4 - Revisit to pre-requisite topics (Continued...)  
Lecture 5 - Analysis of Simple Non-Linear Circuit  
Lecture 6 - Analysis of Simple Non-linear Circuit (Continued...)  
Lecture 7 - Revisiting BJT Characteristic  
Lecture 8 - Revisiting BJT Characteristics (Continued...)  
Lecture 9 - Revisiting BJT Characteristics (Continued...)  
Lecture 10 - Revisiting MOSFET  
Lecture 11 - Revisiting MOSFET (Continued...)  
Lecture 12 - Revisiting MOSFET (Continued...)  
Lecture 13 - Revisiting MOSFET (Continued...)  
Lecture 14 - Analysis of simple non-linear circuit containing a BJT  
Lecture 15 - Analysis of simple non-linear circuit containing a BJT (Continued...)  
Lecture 16 - Analysis of simple non-linear circuit containing a MOSFET  
Lecture 17 - Analysis of simple non-linear circuit containing a MOSFET (Continued...)  
Lecture 18 - Linearization of non-linear circuit containing BJT  
Lecture 19 - Linearization of non-linear circuit containing BJT (Continued...)  
Lecture 20 - Linearization of non-linear circuit containing MOSFET  
Lecture 21 - Linearization of non-linear circuit containing MOSFET (Continued...)  
Lecture 22 - Linear models of Amplifiers - Part A  
Lecture 23 - Linear models of Amplifiers - Part B  
Lecture 24 - Common Emitter Amplifier - Part A  
Lecture 25 - Common Emitter Amplifier - Part B  
Lecture 26 - Common Emitter Amplifier (Continued...) - Part A  
Lecture 27 - Common Emitter Amplifier (Continued...) - Part B  
Lecture 28 - Common Emitter Amplifier (Continued...) - Numerical examples - Part A  
Lecture 29 - Common Emitter Amplifier (Continued...) - Numerical examples - Part B

---

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

[www.digimat.in](http://www.digimat.in)

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

---

- Lecture 30 - Common Emitter Amplifier (Continued...) - Design guidelines - Part A
- Lecture 31 - Common Emitter Amplifier (Continued...) - Design guidelines - Part B
- Lecture 32 - Common Source Amplifier - Part A
- Lecture 33 - Common Source Amplifier - Part B
- Lecture 34 - Common Source Amplifier (Continued...) Numerical examples and design guidelines - Part B
- Lecture 35 - Frequency Response of CE and CS Amplifiers - Part A
- Lecture 36 - Frequency Response of CE and CS Amplifiers - Part B
- Lecture 37 - Frequency Response of CE and CS Amplifiers - Part C
- Lecture 38 - Frequency Response of CE and CS Amplifiers (Continued...) - Part A
- Lecture 39 - Frequency Response of CE And CS Amplifiers (Continued...) - Part B
- Lecture 40 - Frequency Response of CE/CS Amplifiers Considering High Frequency Models of BJT and MOSFET - Part A
- Lecture 41 - Frequency Response of CE/CS Amplifiers Considering High Frequency Models of BJT and MOSFET - Part B
- Lecture 42 - Frequency Response of CE/CS Amplifiers Considering High Frequency Models of BJT And MOSFET - Part C
- Lecture 43 - Limitation of CE and CS Amplifiers in Cascading
- Lecture 44 - Common Collector and Common Drain Amplifiers
- Lecture 45 - Common Collector and Common Drain Amplifiers (Continued...)
- Lecture 46 - Common Collector and Common Drain Amplifiers (Continued...)
- Lecture 47 - Common Collector and Common Drain Amplifiers (Continued...)
- Lecture 48 - Common Collector and Common Drain Amplifiers (Continued...)
- Lecture 49 - Common Base and Common Gate Amplifiers
- Lecture 50 - Common Base and Common Gate Amplifiers
- Lecture 51 - Common Base and Common Gate Amplifiers (Continued...)
- Lecture 52 - Common Base and Common Gate Amplifiers (Continued...)
- Lecture 53 - Common Base and Common Gate Amplifiers (Continued...)
- Lecture 54 - Common Base and Common Gate Amplifiers (Continued...)
- Lecture 55 - Multi-Transistor Amplifiers
- Lecture 56 - Multi-Transistor Amplifiers
- Lecture 57 - Multi-Transistor Amplifiers
- Lecture 58 - Multi-Transistor Amplifiers (Continued...)
- Lecture 59 - Multi-Transistor Amplifiers (Continued...)
- Lecture 60 - Multi-Transistor Amplifiers (Continued...)
- Lecture 61 - Multi-Transistor Amplifiers
- Lecture 62 - Multi-Transistor Amplifiers
- Lecture 63 - Multi-Transistor Amplifiers
- Lecture 64 - Multi-Transistor Amplifiers
- Lecture 65 - Multi-Transistor Amplifiers
- Lecture 66 - Multi-Transistor Amplifiers
- Lecture 67 - Multi-Transistor Amplifiers
- Lecture 68 - Multi-Transistor Amplifiers

---

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

[www.digimat.in](http://www.digimat.in)

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

- Lecture 69 - Multi-Transistor Amplifiers
- Lecture 70 - Single-ended Vs Differential Signaling and Basic Model of a Differential Amplifier
- Lecture 71 - Single-ended Vs Differential Signaling and Basic Model of a Differential Amplifier (Continued...)
- Lecture 72 - Single-ended Vs Differential Signaling and Basic Model of a Differential Amplifier (Continued...)
- Lecture 73 - Single-ended Vs Differential Signaling and Basic Model of a Differential Amplifier (Continued...)
- Lecture 74 - Single-ended Vs Differential Signaling and Basic Model of a Differential Amplifier (Continued...)
- Lecture 75 - Differential Amplifier
- Lecture 76 - Differential Amplifier
- Lecture 77 - Differential Amplifier
- Lecture 78 - Differential Amplifier
- Lecture 79 - Differential Amplifier
- Lecture 80 - Differential Amplifier
- Lecture 81 - Current mirror circuits - Part A
- Lecture 82 - Current mirror circuits - Part B
- Lecture 83 - Usage of current mirror - Part A
- Lecture 84 - Usage of current mirror - Part B
- Lecture 85 - Usage of current mirror - Part C
- Lecture 86 - Numerical examples on current mirror and its applications - Part A
- Lecture 87 - Numerical examples on current mirror and its applications - Part B
- Lecture 88 - Numerical examples on current mirror and its applications - Part C
- Lecture 89 - Numerical examples on current mirror and its applications - Part D
- Lecture 90 - Feedback system - Part A
- Lecture 91 - Feedback system - Part B
- Lecture 92 - Feedback system - Part C
- Lecture 93 - Feedback system - Part D
- Lecture 94 - Feedback system - Part E
- Lecture 95 - Effect of feedback on frequency response - Part A
- Lecture 96 - Effect of feedback on frequency response - Part B
- Lecture 97 - Applications of feedback in amplifier circuits - Part A
- Lecture 98 - Applications of feedback in amplifier circuits - Part B
- Lecture 99 - Applications of feedback in amplifier circuits - Part C