Mindluster Platform

About the course MOSFET Characteristics and Operation

MOSFET Characteristics course in hindi, in this course explore the fundamental properties and behavior of Metal-Oxide-Semiconductor Field-Effect Transistors in digital and analog circuits.

Engineering Category's Courses

Course Lesson(17)

Lesson 1 :
Two terminal MOS Structure Energy Band Diagram of MOS Structure MOS substrate basic properties

Lesson 2 :
Flat Band Voltage Example on Flat Band Voltage FlatBandVoltage FlatBandVoltageExample

Lesson 3 :
MOS under external bias Accumulation Region of MOS Depletion Region Inversion Region of MOS

Lesson 4 :
Thickness of Depletion Region Depletion Region Charge Density Surface Inversion in MOS structure

Lesson 5 :
MOS Transistor Basics of MOS Transistor Types of MOS Transistor Working of n channel MOSFET

Lesson 6 :
Threshold Voltage of MOSFET Parameters of Threshold Voltage of MOSFET in VLSI by Engineering Funda

Lesson 7 :
Example of Threshold Voltage of MOSFET ExampleonThrosholdVoltageofMOSFET ThresholdVoltage

Lesson 8 :
Gradual Channel Approximation in MOSFET Drain Current Equation of MOSFET MOSFET characteristics

Lesson 9 :
Examples on Drain Current Operating region in MOSFET DrainCurrentofMOSFET MOSFET

Lesson 10 :
Channel Length Modulation in MOSFET ChannelLengthModulationinMOSFET MOSFET VLSI

Lesson 11 :
Substrate Bias Effect in MOSFET Threshold voltage under substrate bias voltage by Engineering Funda

Lesson 12 :
MOSFET Capacitances Structural overview of MOSFET Capacitance MOSFET capacitance Model MOSFET

Lesson 13 :

nMOS and pMOS basics Symbol Ideal Working Input Output Characteristics | nMOS pMOS

Lesson 14 :
MOSFET regions of Operation with nMOS and pMOS OperatingRegionOfMOSFET MOSFET nMOS pMOS

Lesson 15 : **Examples based on nMOS and pMOS nMOS pMOS ExampleofnMOSandpMOS**

Lesson 16 : **pMOS and nMOS Comparison nMOS pMOS pMOSandnMOSComparison**

Lesson 17 : **Why is pMOS is good to pass logic 1 and nMOS is good to pass logic 0 nMOS pMOS**

Related courses

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