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~~Lecture - 1 Introduction on Solid State Devices~~
~~Lecture 0 - Electronic Devices Course Content and Course Outcomes (AKTU)~~
Solid state device tutorial 1 (Introduction)
A simple guide to electronic components. HDD vs SSD - What is the difference?
Transistors, How do they work?
Explaining Solid State Disks
Metal Oxide Semiconductor (MoS) Structure

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108N. MOS Capacitor: Energy band diagram, accumulation, depletion, and inversion, threshold voltage ~~Lesson 1~~

~~Voltage, Current, Resistance (Engineering Circuit Analysis)~~

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~~Tutorial: How to design a transistor circuit that controls low-~~

~~power devices Intrinsic And Extrinsic Semi Conductors1~~

~~Module 0 - Introduction to Solid State Electronics~~

~~Electronic Devices \u0026amp; Circuits | Introduction to Electronic Devices~~

~~\u0026amp; Circuits Electronic Devices Lecture-1: Introduction to~~

~~the Course **Essential \u0026amp; Practical Circuit Analysis:**~~

~~**Part 1- DC Circuits** *EEVblog #1270 - Electronics Textbook*~~

~~*Shootout Solid State Electronic Devices Introduction*~~

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The term "solid state" became popular in the beginning of the semiconductor era in the 1960s to distinguish this new technology based on the transistor, in which the electronic action of devices occurred in a solid state, from previous electronic equipment that used vacuum tubes, in which the electronic action occurred in a gaseous state. A semiconductor device works by controlling an electric current consisting of electrons or holes moving within a solid crystalline piece of semiconducting ...

Solid-state electronics - Wikipedia

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Chap. 2 # 2,5 Assigned 8/22/02 Due 8/29/02 Q: Why study
electronic devices? A: They are the backbone of modern
technology 1) Computers. 2) Scientific instruments. 3) Cars
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to accurately predict the diode solid state device electronic device in which electricity flows through solid semiconductor crystals silicon gallium arsenide germanium rather than through vacuum tubes the first solid state device was the cats whisker 1906 in which a fine wire was moved across a solid

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crystal to detect a radio signal solid

Solid State Electronic Devices [EBOOK]

Solid-State Electronics Chap. 1 Instructor: Pei-Wen Li Dept. of E. E. NCU 4 Introduction Solid-state electronic materials: – Conductors, semiconductors, and insulators, A solid contains electrons, ions, and atoms, $\sim 10^{23}/\text{cm}^3$. ?too closely packed to be described by classical Newtonian mechanics.

Extensions of Newtonian mechanics:

Solid-State Electronics

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