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The objectives of this note is to develop an understanding of the characteristics and operation of modern electronics. Topics covered includes: Operational Amplifier and its Applications, Semiconductor Material and PN Junction Diode, Diode Circuits, Smoothing Filter, The Bipolar Junction Transistor, BJT Biasing, Basic BJT Amplifier, Single-Stage Small Signal AC BJT Amplifier, The Field Effect ...

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Digital Electronics and Logic Circuits (Role of Transistors)

in 1974, we used to read the marvin and Tepper series of electricity and Electronics books. After those, came

HenryJacobwitz (I think is the name)- BASIC ELECTRONICS book.

4 Great Books to study and learn Basic electronics

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Germanium is a chemical element with symbol Ge and atomic number 32. It is a lustrous, hard, grayish-white metalloid in the carbon group, chemically similar to its group neighbors tin and silicon. Pure germanium is a semiconductor with an appearance similar to elemental silicon. Like silicon, germanium naturally reacts and forms complexes with oxygen in nature.

Germanium - Wikipedia

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UNDERSTANDING AND CONTROLLING COMMON-MODE EMISSIONS IN

Insulated Gate Bipolar Transistor (IGBT) Basics Abdus Sattar, IXYS Corporation 1 IXAN0063 This application note describes the basic characteristics and operating performance

Insulated Gate Bipolar Transistor (IGBT) Basics

A diffusion transistor is a bipolar junction transistor (BJT) formed by diffusing dopants into a semiconductor substrate. The diffusion process was developed later than the alloy junction and grown junction processes for making BJTs. Bell Labs developed the first prototype diffusion transistors in 1954.

Diffusion transistor - Wikipedia

Chapter 3) Simple High Voltage Generator. This basic circuit is capable of supplying up to 30 kilovolts or more from a low voltage DC source using a flyback (LOPT) transformer salvaged from a TV or computer monitor.

Sci.Electronics.Repair FAQ: Various Schematics and Diagrams

See TALKING ELECTRONICS WEBSITE email Colin Mitchell: talking@tpg.com.au INTRODUCTION This is the second half of our Transistor Circuits e-book. It contains a further 100 circuits, with many of them containing one or more Integrated Circuits (ICs).

INTRODUCTION - Talking Electronics

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This simple overview shows you how basic electronic components work and what they do; resistors, capacitors, transistors, micro chips +++

Basic Electronic Components Used in Circuits

If you are starting to learn electronics variable bench power supply is the first thing you should build to power your projects. This simple power supply is built around the LM317/LM338/LM350 linear voltage regulator.

Circuit-Zone.com - Electronic Projects, Electronic

A bad FLOAT charger commences charging at the rated current but as the battery takes the charge, its voltage rises and the current drops off long before the float voltage is reached.

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