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Description. Basic Electronics is an elementary text designed for basic instruction in electricity and electronics. It gives emphasis on electronic emission and the vacuum tube and shows transistor circuits in parallel with electron tube circuits. This book also demonstrates how the transistor merely replaces the tube, with proper change of circuit constants as required.

Basic Electronics - 1st Edition - Elsevier

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Description. Most students entering an electronics technician program have an understanding of mathematics. Basic Electronics Math provides is a practical application of these basics to electronic theory and circuits. The first half of Basic Electronics Math provides a refresher of mathematical concepts. These chapters can be taught separately from or in combination with the rest of the book, as needed by the students.

Basic Electronics Math - 1st Edition - Elsevier

Basic Principles of Electronics, Volume 2: Semiconductors focuses on the properties, applications, and characteristics of semiconductors. The publication first elaborates on conduction in the solid state, conduction and heat, and semiconductors. Discussions focus on extrinsic or impurity semiconductors, electrons and holes, effect of temperature on the conductivity, mean free path, Joule heating effect, "vacancies" in crystals, and Drude's theory of metallic conduction.

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Basic Electronics is an elementary text designed for basic instruction in electricity and electronics. It gives emphasis on electronic emission and the vacuum tube and shows transistor circuits in parallel with electron tube circuits. This book also demonstrates how the transistor merely replaces the tube, with proper change of circuit constants as required.

Basic Electronics | ScienceDirect

Worked Examples in Basic Electronics provides information pertinent to the fundamental aspects of electronics. This book covers a variety of topics, including resistance-capacitance coupled voltage amplifier, low-frequency amplification, radio-frequency amplification, transistors, oscillators, electron ballistics, and transmission lines.

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Solid-State Electronics - Journal - Elsevier

Elsevier Physics homepage. Organic Electronics is a journal whose primary interdisciplinary focus is on materials and phenomena related to organic and hybrid organic-inorganic devices such as light emitting diodes, thin film transistors, photovoltaic cells, sensors, memories, etc.

Organic Electronics - Journal - Elsevier

Description. The aim of this book is to introduce students to the basic electrical and electronic principles needed by technicians in fields such as electrical engineering, electronics and telecommunications. The emphasis is on the practical aspects of the subject, and the author has followed his usual successful formula, incorporating many worked examples and problems (answers supplied) into the learning process.

Electrical Principles and Technology for Engineering ...

If you are interested in learning more about the science of basic electronics, Wikipedia is a good place to start your search. By the end of this Instructable, anyone with an interest to learn basic electronics should be able to read a schematic and build a circuit using standard electronic components.

Basic Electronics : 20 Steps (with Pictures) - Instructables

Basic Electronics Math provides is a practical application of these basics to electronic theory and circuits. The first half of Basic Electronics Math provides a refresher of mathematical concepts. These chapters can be taught separately from or in combination with the rest of the book, as needed by the students.

Basic Electronics Math | ScienceDirect

Description Basic Alarm Electronics is an introductory manual on security systems. The book is comprised of 11 chapters that cover the electronic components and circuits involved in alarm systems. The text first covers the basic concepts, and then proceeds to presenting electronic components, schematics, diagrams, and symbols.

Basic Alarm Electronics - 1st Edition - Elsevier

Description Basic Alarm Electronics is an introductory manual on security systems. The book is comprised of 11 chapters that cover the electronic components and circuits involved in alarm systems. The text first covers the basic concepts, and then proceeds to presenting electronic components, schematics, diagrams, and symbols.

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A mixed-signal printed circuit board containing both analog and digital components. The board is one component of a 1000-node acoustic beamformer being developed at MIT's Computer Science and Artificial Intelligence Laboratory. The board contains a pair of microphones, several resistors, capacitors, and digital integrated circuit chips.

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