
Techmax Publications Engineering Coa

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Theory of Machines Shirish D

Elucidates various modern TV pick-up tubes, CCD imagers, and various kinds of VTRs, VCRs and video disk systems along with their design features. This book includes contemporary developments like cable and satellite television, MAC packets with HDTV and videotex information services as also their advances.

Physics for Scientists and Engineers PHI Learning Pvt. Ltd.
Designed specifically for undergraduate students of Electronics and Electrical Engineering and its related disciplines, this book

offers an excellent coverage of all essential topics and provides a solid foundation for analysing electronic circuits. It covers the course named Electronic Devices and Circuits of various universities. The book will also be useful to diploma students, AMIE students, and those pursuing courses in B.Sc. (Electronics) and M.Sc. (Physics). The students are thoroughly introduced to the full spectrum of fundamental topics beginning with the theory of semiconductors and p-n junction behaviour. The devices treated include diodes, transistors—BJTs, JFETs and MOSFETs—and thyristors. The circuitry covered comprises small signal (ac), power amplifiers, oscillators, and operational amplifiers including many important applications of those versatile devices. A separate chapter on IC fabrication technology is provided to give an idea of the technologies being used in this area. There are a variety of solved examples and applications for conceptual understanding. Problems at the end of each chapter are provided to test, reinforce and enhance

learning.

Digital Logic and Computer Design Tata McGraw-Hill Education

This text provides a basic understanding of digital signal processing concepts and techniques. It begins with the characterization of discrete-time signals and systems in the time and frequency domains augmented by MATLAB functions. It then covers Fourier analysis based on digital techniques.

Introduction to Digital Signal Processing Walter de Gruyter

A Pen is mightier than a Sword! Now discover the true power of a pen in this amazing guide to sketching like a boss. This one-of-a-kind exercise book will set all your sketching fears to rest and guide you step-by-step in drawing the most awesome illustrations. Come join Shirish on this amazing journey of discovery.

What will you learn? -- The concepts of shadows and highlights. -- Shading techniques using pens. --

Various 'texture hacks' for drawing objects like glass, stones, bricks, wood -- Drawing human figures in the landscape. -- Basic perspective concepts. And that's not all. You will learn to implement all these

techniques hands-on in twenty amazing step-by-step demonstrations, spanning subjects of various levels of difficulty ranging from simple to complex. Simple

subjects: -- A Football -- An Ice Cream Cone -- A Plain Candle and a Half-Melted Candle -- A Leaf -- A

Fruit -- A Mineral Water Bottle Medium complexity subjects: -- An Old Wooden Door -- A Truck -- The Stairs -- A Shopfront -- An Abandoned Car -- A Small Boat -- A Banyan Tree Trunk -- A Shrine Complex subjects: -- An Old Victorian Building -- A Small Temple at the Crossroads -- An Old Stone Building Converted into an Office -- An Old Telephone -- A Church -- A House in Hawaii Let's get sketching like a Boss!

Theory of Computer Science John Wiley & Sons

This book introduces a modern approach to embedded system design, presenting software design and hardware design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, controls systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

Digital Design CRC Press

Ten minibooks in one! The perfect reference for beginning webbuilders This hefty, 800+ page book is your start-to-finish roadmap for building a web site for personal or professional use. Even if you're completely new to the process, this book is packed with everything you need to know to build an attractive, usable, and working site. In addition to being a thorough reference on the basics, this updated new edition also covers the very latest trends and tools, such as HTML5, mobile site planning for

smartphones and tablets, connecting with social media, and more. Packs ten minibooks into one hefty reference: Preparation, Site Design, Site Construction, Web Graphics, Multimedia, Interactive Elements, Form Management, Social Media Integration, Site Management, and Case Studies Covers the newest trends and tools, including HTML5, the new Adobe Create Suite, and connecting with social media Offers in-depth reviews and case studies of existing sites created for a variety of purposes and audiences, such as blog sites and non-profit sites Walks you through essential technologies, including Dreamweaver, HTML, CSS, JavaScript, PHP, and more Plan, build, and maintain a site that does exactly what you need, with Building Web Sites All-In-One For Dummies, 3rd Edition.

Analog and Digital Communication Technical Publications

This book offers a design research methodology intended to improve the quality of design research- its academic credibility, industrial significance and societal contribution by enabling more thorough, efficient and effective procedures.

Monograms and Alphabetic Devices Industrial Press Inc.

This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design.

Naked at Noon 1 Firewall Media

The industry standard reference for water treatment plant design and modernization has been updated to include hot topics such as security and design, vulnerability assessments, and planning against vandalism and sabotage, as well as the latest information on codes, regulations, and water quality standards. * Latest code

updates and new water quality standards * Design operation and analysis of treatment facilities

Barbarian Alien Pearson Education India

Amplitude Modulation : Transmission and Reception Principles of amplitude modulation - AM envelope, Frequency spectrum and bandwidth, Modulation index and Percent modulation, AM power distribution, AM modulator circuits- low-level AM modulator, Medium power AM modulator, AM transmitters-Low-level transmitters, High level transmitters, receiver parameters, AM reception - AM receivers - TRF, Super heterodyne receiver, Double conversion AM receivers. Angle Modulation :

Transmission and Reception Angle modulation - FM and PM waveforms, Phase deviation and Modulation index, Frequency deviation, Phase and Frequency modulators and demodulators, Frequency spectrum of Angle - Modulated waves. Bandwidth requirements of Angle modulated waves, Commercial Broadcast band FM, Average power of an angle modulated wave, Frequency and Phase modulators, A direct FM transmitters, Indirect transmitters, Angle modulation Vs Amplitude modulation, FM receivers : FM demodulators, PLL FM demodulators, FM noise suppression, Frequency versus Phase modulation. Digital Transmission and Data Communication Introduction, Pulse modulation, PCM - PCM sampling, Sampling rate, Signal to quantization noise rate, Companding - Analog and Digital - Percentage error, Delta modulation, Adaptive delta modulation, Differential pulse code modulation, Pulse transmission - ISI, Eye pattern, Data communication history, Standards, Data communication circuits, Data communication codes, Error

control, Hardware, Serial and Parallel interfaces, Data modems, - Asynchronous modem, Synchronous modem, Low-speed modem, Medium and High speed modem, Modem control. Digital Communication Introduction, Shannon limit for information capacity, Digital amplitude modulation, Frequency shift keying, FSK bit rate and baud, FSK transmitter, BW consideration of FSK, FSK receiver, Phase shift keying - Binary phase shift keying - QPSK, Quadrature Amplitude modulation, Bandwidth efficiency, Carrier recovery - Squaring loop, Costas loop, DPSK. Spread Spectrum and Multiple Access Techniques Introduction, Pseudo-noise sequence, DS spread spectrum with coherent binary PSK, Processing gain, FH spread spectrum, Multiple access techniques - Wireless communication, TDMA and FDMA, Wireless communication systems, Source coding of speech for wireless communications.

Advanced Materials and Manufacturing Processes Courier Corporation

This book is a comprehensive text on basic, undergraduate-level computer architecture. It starts from theoretical preliminaries and simple Boolean algebra. After a quick discussion on logic gates, it describes three classes of assembly languages: a custom RISC ISA called SimpleRisc, ARM, and x86. In the next part, a processor is designed for the SimpleRisc ISA from scratch. This includes the combinational units, ALUs, processor, basic 5-stage pipeline, and a microcode-based design. The last part of the book discusses caches, virtual memory, parallel programming, multiprocessors, storage devices and modern I/O systems. The book's website has links to slides for each chapter and video lectures hosted on YouTube.

Computer Organization SCB Distributors

The second novel in the Ice Planet Barbarians series, the international publishing phenomenon—now in a special print edition with bonus materials and an exclusive epilogue! Liz Cramer swears she'll find a way off of this alien planet she's stuck on—then she meets Raahosh, the surliest and stubbornest alien, who won't leave her alone, and she just might be okay with that... Twelve humans are left stranded on a wintry alien planet. I'm one of them. Yay, me. In order to survive, we have to take on a symbiont that wants to rewire our bodies to live in this brutal place. I like to call it a "cootie." And my cootie's a jerk, because it also thinks I'm the mate to the biggest, grumpiest alien of the bunch. Raahosh believes the cootie's right, so he steals me away from the group, determined to make me fall for him—or else. He has no idea who he's up against. And if I didn't want his insufferable self so much (thanks, cootie), I'd let him know exactly what I'm thinking. As it is, I'm doing my best to fight this instant attraction. Just because the symbiont thinks we're supposed to be together doesn't mean I have to go along with it. And if we fool around a little, it's merely biology. It doesn't mean I'm in love—or that I'm destined to be his.

Soil Mechanics and Foundations McGraw-Hill Professional Publishing

For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. & Digital Design, fourth edition is a modern update of the classic authoritative text on digital design. & This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Fluid Mechanics Pearson Educación

Designed as an introductory text for the students of computer science, computer applications, electronics engineering and information technology for their first course on the organization and architecture of computers, this

accessible, student friendly text gives a clear and in-depth analysis of the basic principles underlying the subject. This self-contained text devotes one full chapter to the basics of digital logic. While the initial chapters describe in detail about computer organization, including CPU design, ALU design, memory design and I/O organization, the text also deals with Assembly Language Programming for Pentium using NASM assembler. What distinguishes the text is the special attention it pays to Cache and Virtual Memory organization, as well as to RISC architecture and the intricacies of pipelining. All these discussions are climaxed by an illuminating discussion on parallel computers which shows how processors are interconnected to create a variety of parallel computers. KEY FEATURES ? Self-contained presentation starting with data representation and ending with advanced parallel computer architecture. ? Systematic and logical organization of topics. ? Large number of worked-out examples and exercises. ? Contains basics of assembly language programming. ? Each chapter has learning objectives and a detailed summary to help students to quickly revise the material.

Geotechnical Engineering John Wiley & Sons

Open publication The volume deals with previously undescribed morphosyntactic variations and changes appearing in settings involving language contact. Contact-induced changes are defined as dynamic and multiple, involving internal change as well as historical and sociolinguistic factors. A variety of explanations are identified and their relationships are analyzed. Only a multifaceted methodology enables this fine-grained approach to contact-induced change. A range of methodologies are proposed, but the chapters generally have their roots in a typological perspective. The contributors recognize the precautionary principle: for example, they emphasize the difficulty of studying languages that have not been described adequately and for which diachronic data are not extensive or reliable. Three main perspectives on contact-induced language change are presented. The first explores the role of multilingual speakers in contact-induced language change, especially their spontaneous innovations in discourse. The second explores the differences between ordinary contact-induced change and

change in endangered languages. The third discusses various aspects of the relationship between contact-induced change and internal change.

TV and Video Engineering Pearson Education India

A groundbreaking and comprehensive reference that's been a bestseller since 1970, this new edition provides a broad mathematical survey and covers a full range of topics from the very basic to the advanced. For the first time, a personal tutor CD-ROM is included.

Sketch Like a Boss! New Age International

The first comprehensive reference on mechatronics, The Mechatronics Handbook was quickly embraced as the gold standard in the field. From washing machines, to coffeemakers, to cell phones, to the ubiquitous PC in almost every household, what, these days, doesn't take advantage of mechatronics in its design and function? In the scant five years since the initial publication of the handbook, the latest generation of smart products has made this even more obvious. Too much material to cover in a single volume Originally a single-volume reference, the handbook has grown along with the field. The need for easy access to new material on rapid changes in technology, especially in computers and software, has made the single volume format unwieldy. The second edition is offered as two easily digestible books, making the material not only more accessible, but also more focused. Completely revised and updated, Robert Bishop's seminal work is still the most exhaustive, state-of-the-art treatment of the field available.

Essentials of Bridge Engineering New York ; Toronto : McGraw-Hill
Nudist, or naturist, magazines comprising photographs of naked men and women enjoying outdoor activities first appeared as far back as the beginning

of the 20th century. Nudist culture boomed in the 1950s and early 1960s, following a landmark ruling which permitted such material to be freely distributed via the US mail. Of course, these publications were not aimed solely at fellow naturists; although their content and context was strictly non-sexual, the ample swathes of female flesh they offered nonetheless provided the average man with the only masturbatory material which was freely available. Jean le Baptiste has assembled from his own collection a stunning array of vintage photographs from these magazines, a collection which takes us back to the unashamed, unclothed splendour of more innocent decades in the sun. Naked At Noon 1 contains over 60 classic images, with many in full colour. For those who prefer women with no tattoos, no silicone, and hair where nature intended.

The Mechatronics Handbook - 2 Volume Set PHI Learning Pvt. Ltd.

More than 2,500 designs, originally published between 1830 and 1881, offer a splendid source of royalty-free ornaments. Includes two-, three-, and four-letter combos, plus crowns, crests, and coats of arms.

Building Websites All-in-One For Dummies Trans Tech Publications Ltd

Embedded Systems: An Integrated Approach is exclusively designed for the undergraduate courses in electronics and communication engineering as well as computer science engineering. This book is well-structured and covers all the important processors and their applications in a sequential manner. It begins with a highlight on the building blocks of the embedded systems, moves on to discuss the software aspects and new processors and finally concludes with an insightful study of important applications. This book also contains an entire part dedicated to the ARM processor, its software requirements and the programming languages. Relevant case studies and examples supplement the main discussions in the text.