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Measurements and Instrumentation
Principles of Management MG-1351
Fluid Power with Applications
Elements of Production Planning and Control
Design of Jigs, Fixtures and Press Tools
Probability and Statistics with Reliability, Queuing, and Computer Science Applications
The Next Generation of Video Surveillance and Video Analytics
Data Communication And Networking
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Automotive Electrical and Electronic Systems
Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context
Linear Integrated Circuits
Regulations, Questions & Answers
Operating Systems
Electrical Power Systems

NATALIE ALICE

Software Project Management
Springer Nature
Amplitude Modulation : Transmission and ReceptionPrinciples 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 recivers.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 CommunicationIntroduction, Pulse modulation, PCM - PCM sampling, Sampling rate, Signal to quantization noise rate, Companding - Analog and Digtial - Percentage error, Delta modulation, Adaptive delta modulation, Differential pusle code modulation,

Pulse transmission - ISI, Eyepattern, 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, Quandrature 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.

Experimenta

l Aerodynamics New Age International As irascible scholar Professor Lidenbrock pores over a rare Icelandic tome, he discovers a scrap of parchment with cryptic writing tucked away between the ancient pages. And when his nephew, Axel, finally breaks the writing's secret code, he learns of a hidden underground passageway that may lead deep into the center of the earth. Despite Axel's misgivings, he and the obsessed Lidenbrock travel to Iceland and, with a guide named Hans, set out on a perilous expedition in the course of which the trio will encounter an extraordinary new world of extinct yet living species, an underground sea, and gigantic, battling monsters.Filled with the authentic detail and startling immediacy Jules Verne labored to bring to 20,000 Leagues Under the Sea and Around the World in Eighty Days, Journey to the Center of the Earth is the fantastic adventure that secured Verne's reputation as the premier writer of speculative fiction. *Disaster Management* Technical Publications • • Learn the 'whys and hows' of digital system design with FPGAs from this thorough treatment. •

Up-to-date information and comparison of different modern FPGA devices. • IEEE Fellow Wayne Wolf brings all related aspects of VLSI to FPGA system design in this thorough introduction. **Soil Mechanics 2008** John Wiley & Sons An accessible introduction to probability, stochastic processes, and statistics for computer science and engineering applications Second edition now also available in Paperback. This updated and revised edition of the popular classic first edition relates fundamental concepts in probability and statistics to the computer sciences and engineering. The author uses Markov chains and other statistical tools to illustrate processes in reliability of computer systems and networks, fault tolerance, and performance. This edition features an entirely new section on stochastic Petri nets—as well as new sections on system availability modeling, wireless system modeling, numerical solution techniques for Markov chains, and software reliability modeling, among other subjects. Extensive revisions take new developments in solution techniques and applications

into account and bring this work totally up to date. It includes more than 200 worked examples and self-study exercises for each section. Probability and Statistics with Reliability, Queuing and Computer Science Applications, Second Edition offers a comprehensive introduction to probability, stochastic processes, and statistics for students of computer science, electrical and computer engineering, and applied mathematics. Its wealth of practical examples and up-to-date information makes it an excellent resource for practitioners as well. An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department. **SIGNALS AND SYSTEMS** Pearson Higher Ed Experimental Aerodynamics provides an up to date study of this key area of aeronautical engineering. The field has undergone significant evolution with the development of 3D techniques, data processing methods, and the conjugation of simultaneous measurements of multiple quantities. Written for undergraduate and graduate students in Aerospace Engineering, the text features

chapters by leading experts, with a consistent structure, level, and pedagogical approach. Fundamentals of measurements and recent research developments are introduced, supported by numerous examples, illustrations, and problems. The text will also be of interest to those studying mechanical systems, such as wind turbines.

A Journey to the Centre of the Earth

Tata McGraw-Hill Education Pentium Microprocessor Historical evolution of 80286, 386 and 486 processors, Pentium features and architecture, Pin description, Functional description, Pentium real mode, Pentium RISC features, Pentium super-scalar architecture - pipelining, Instruction paring rules, Branch prediction, Instruction and data caches The floating-point unit.Bus Cycles and Memory OrganisationInitialization and configuration, Bus operations-reset, Non pipelined and pipelined (read and write), Memory organisation and I/O organisation, Data transfer mechanism-8 bit, 16 bit, 32 bit data bus interface.Pentium programmingProgrammer's model, Register set, Addressing modes, Instruction set, Data types, Data

transfer instructions, String instructions, Arithmetic instructions, Logical instructions, Bit manipulation instructions, Program transfer instructions and Processor control instructions.Protected ModeIntroduction, Segmentation-support registers, Related instructions descriptors, Memory management through segmentation, Logical to linear address translation, Protection by segmentation, Privilege level-protection, Related instructions, Inter-privilege level transfer of control, Paging-support registers, descriptors, Linear to physical address translation, TLB, Page level protection, Virtual memory.Multitasking, Interrupts Exceptions and I/OMultitasking - Support registers, Related descriptors, Task switching, I/O Permission bit map. Virtual mode - features, Address generation, Privilege level, Instructions and registers available, entering and leaving V86 mode. Interrupt structure - Real, Protected and Virtual 8086 modes, I/O handling in Pentium, Comparison of all three modes.8051 Micro-controllerMicro-controller MCS-51 family architecture, On-chip data

memory and program memory organization - Register set, Register bank, SFRs, External data memory and program memory, Interrupts structure, Timers and their programming, Serial port and programming, Other features, Design of minimum system using 8051 micro-controller for various applications.PIC Micro-controllerOverview and features of PIC16C, PIC 16F8XX, Pin diagram, Capture mode, Compare mode, PWM mode, Block diagram, Programmer's model PIC, Reset and clocking.Memory organization - program memory, data memory, Flash, EEPROM, PIC 16F8XX addressing modes, Instruction set, programming, I/O ports, Interrupts, Timers, ADC.

Transforms and Partial Differential Equations

Addison Wesley Publishing Company

The importance of measuring instruments is well known in the various engineering fields. The book provides comprehensive coverage of various analog, electronic and digital instruments, d.c. and a.c. bridges, signal generators and analyzers, virtual instrumentation and data acquisition system. The book starts with explaining the theory of

measurement including characteristics of instruments, classification, standards, statistical analysis and limiting errors. Then the book explains the various analog and electronic instruments such as PMMC, moving iron, electrodynamometer type, true RMS, Q-meter and sampling voltmeter. The book also includes the discussion of various d.c. and a.c. bridges along with necessary derivations and phasor diagrams. The book incorporates the detailed discussion of various types of oscilloscopes including simple, dual beam, dual trace, analog storage, sampling and digital oscilloscope. It also explains the various oscilloscope measurements and Lissajous figures. The book further explains the various signal generators and analyzers. It also covers the discussion of DAC, ADC, various digital instruments and data acquisition system. Finally the book provides the details of computer controlled systems, virtual instrumentation and fiber optic measurements. Each chapter starts with the background of the topic. Then it gives the conceptual knowledge about the topic dividing it in various sections and subsections. Each chapter

provides the detailed explanation of the topic, practical examples and variety of solved problems. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

Digital Circuits And Design, 3E PHI Learning Pvt. Ltd.

Network, Protocols and standards, Line configuration, Topology, Transmission modes, Categories of networks, Internetworks; Transmission media, Transmission impairments, Performance of transmission media, The OSI model, TCP/IP, DTE-DCE interface.Multiplexing FDM, Synchronous TDM, Statistical TDM, Asymmetric digital subscriber lines, XDSL.Data Link ControlFlow control, Error detection-two dimensional parity checks, Internet checksum, CRC.Error control, Transmission efficiency of ARQ protocols, HDLC, Point to point protocol.Circuit SwitchingCircuit switching networks, circuit switches-space division switches, Time division switches, Time-space-time switches, Routing in circuit switching networks, control signaling, SS7.Packet Switching NetworksNetw

ork services and Internal network operation, Packet network topology, Datagram and virtual circuits, Routing in packet networks, Shortest path algorithms - The Bellman - Ford algorithm, Dijkstra's algorithm, Other routing approaches, Congestion control.ATM and Frame RelayATM protocol architecture, Logical connections, ATM cells, Transmission of ATM cells, ATM adaptation layer, Frame relay, Frame relay protocol architecture.Local Area NetworkLAN applications, LAN architecture, Bus LANs, Ring LANs, Star LANs, Wireless LAN, LAN bridges, IEEE 802.3 Medium access control for 10 Mbps and 100 Mbps LAN, Token ring and FDDI.ISDNArchitecture, ISDN channels, User access, ISDN protocols, Broadband ISDN.

Distributed Systems

Firewall Media Bestselling author William Stallings presents comprehensive, up-to-date coverage of TCP performance design issues. A high-level overview of cutting-edge network and Intranet design, this book focuses on high-speed technologies like routing for multimedia, how to manage traffic flow, and compression techniques for maximizing throughout.

FPGA-based System

Design CreateSpace This comprehensive text on control systems is designed for undergraduate students pursuing courses in electronics and communication engineering, electrical and electronics engineering, telecommunication engineering, electronics and instrumentation engineering, mechanical engineering, and biomedical engineering. Appropriate for self-study, the book will also be useful for AMIE and IETE students. Written in a student-friendly readable manner, the book explains the basic fundamentals and concepts of control systems in a clearly understandable form. It is a balanced survey of theory aimed to provide the students with an in-depth insight into system behaviour and control of continuous-time control systems. All the solved and unsolved problems in this book are classroom tested, designed to illustrate the topics in a clear and thorough way. KEY FEATURES : Includes several fully worked-out examples to help students master the concepts involved. Provides short questions with answers at the end of each chapter to help students prepare for exams confidently. Offers fill in the blanks and objective type

questions with answers at the end of each chapter to quiz students on key learning points. Gives chapter-end review questions and problems to assist students in reinforcing their knowledge.

Seventh-Day Adventist Bible Dictionary

McGraw-Hill Europe

From its first appearance in 1995, this book has been consistently well received by tutors and students alike. Now in its fourth edition, this textbook is highly regarded for providing a complete introduction to Software Project Management for both undergraduate and postgraduate students. The new edition retains its clear, accessible style and comprehensive coverage, plus the many examples and exercises throughout the chapters that illustrate the practical application of software project management principles. Reflecting new developments in software project management, the fourth edition has been developed to ensure that the coverage is up-to-date and contemporary. This includes new and expanded coverage of topics such as virtual teams and agile methods.

High Voltage Measurement Techniques

Prentice Hall

Many Advance in design,fabrication and

construction of steel structures have taken place with the advancement of technology and globalization.Steel structures are used extensively in industrial structures in addition to bridges,tower and communication networks.steel cables of high tensile wires are also being used very extensively in the industry.

Engineering Economics and Financial Accounting

Springer

In these highly competitive times and with so many technological advancements, it is impossible for any industry to remain isolated and untouched by innovations. In this era of digital economy, the banking sector cannot exist and operate without the various digital tools offered by the ever new innovations happening in the field of Artificial Intelligence (AI) and its sub-set technologies.

New technologies have enabled incredible progression in the finance industry. Artificial Intelligence (AI) and Machine Learning (ML) have provided the investors and customers with more innovative tools, new types of financial products and a new potential for growth.According to Cathy Bessant (the Chief Operations and Technology Officer, Bank of America), AI

is not just a technology discussion. It is also a discussion about data and how it is used and protected. She says, "In a world focused on using AI in new ways, we're focused on using it wisely and responsibly."

Analog and Digital Communication S. Chand Publishing

The new edition of this bestselling title on Distributed Systems has been thoroughly revised throughout to reflect the state of the art in this rapidly developing field. It emphasizes the principles used in the design and construction of distributed computer systems based on networks of workstations and server computers.

Advanced Engineering Mathematics Springer

The field of electronic surveillance has matured significantly over the past 2 decades, fuelled by the growth of safety and security concerns around the world. Surveillance cameras are being used for a wide variety of applications from national security to securing the home. Video analytics, also called intelligent video surveillance, is a technology that uses software to automatically identify specific objects, behaviours or attitudes in video footage. It transforms the video into

data to be transmitted or archived so that the video surveillance system can act accordingly. It may involve activating a mobile camera in order to obtain more specific data about the scene or simply to send a warning to surveillance personnel so that a decision may be made on the proper intervention required. As video analytics has dramatically improved its effectiveness as a tool for providing real-time, actionable intelligence in security installations, it's getting serious attention for other uses as well. Its versatility provides excellent return on investment for a wide range of applications, including business intelligence, factory automation, loss prevention, public liability assessments, training, consumer behavior analysis, monitoring traffic flow, and more.

Design of Steel Structures Prentice Hall Designed for the students of engineering and arts and science colleges of various universities in India.

High-speed Networks Firewall Media Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context is based on the work from the Saph Pani project (Hindi word meaning

potable water). The book aims to study and improve natural water treatment systems, such as River Bank Filtration (RBF), Managed Aquifer Recharge (MAR), and wetlands in India, building local and European expertise in this field. The project aims to enhance water resources and water supply, particularly in water stressed urban and peri urban areas in different parts of the Indian sub-continent. This project is co-funded by the European Union under the Seventh Framework (FP7) scheme of small or medium scale focused research projects for specific cooperation actions (SICA) dedicated to international cooperation partner countries. Natural Water Treatment Systems for Safe and Sustainable Water Supply in the Indian Context provides: an introduction to the concepts of natural water treatment systems (MAR, RBF, wetlands) at national and international level knowledge of the basics of MAR, RBF and wetlands, methods and hydrogeologic al characterisati on an insight into case studies in India and abroad. This book is a useful resource for teaching at Post Graduate level, for research and professional reference."

Microproces

sors & Microcontrollers CRC Press The Seventh Edition Of This Book Is Thoroughly Revised And Enlarged And Is Specifically Tailored To Meet The Revised Syllabus, Offered In The First Year Of B.E./B.Tech. Of All The Branches In Various Engineering Colleges Affiliated To Anna University, Tamil Nadu.Salient Features:- * It Is User-Friendly With Step-By-Step Procedures. * Each Solved Problem Is Graded And Is Followed By Similar Exercise Problem For Students To Practice Confidently And Grasp The Fundamental Principles Much Easily. * Additional Problems Are Also Added In Each Chapter. * An Excellent Guide For An Average Student Highlighting The Important Points, Notes, Rules, Hints, To Remember, Etc. * Illustrated With 800 Solvedi University Problems With Illustrations, It Is Examination Oriented. **Engineering Graphics (anna University)** IWA Publishing (International Water Assoc) About the Book: Electrical power system together with Generation, Distribution and utilization of Electrical Energy by the same author cover almost six to seven courses offered by various universities under Electrical and Electronics Engineering

curriculum. Also, this combination has proved highly successful for writing competitive examinations viz. UPSC, NTPC, National Power Grid, NHPC, etc.

Corporate Social Responsibility and Governance

Unlike Many Engineering Mathematics Books, The New Edition Of This Comprehensive Applications-Oriented Book Uses Computer Programs In Almost Every Chapter To Demonstrate The Mathematical Concepts Under Discussion. Designed For Engineering Students As Well As Practicing Engineers And Scientists, The Book Has Hundreds Of Examples With In-Text Solutions. In Terms Of Content, It Covers The Entire Sequence Of Mathematical Topics Needed By The Majority Of University Programs, Including ODE, PDE, Complex Variables, Probability/Statistics, And Numerical Methods. The Authors Demonstrate How The Mathematical Concepts Will Be Used In Practical Applications Such As Fractals, Robotics, Circuits, Membrane Simulation, Collision Detection, Ray Tracing, Signal Processing, And More. A CD-ROM With The Source Code For The In-Text Computer Programs (Written In C) Includes

Calculation Routines And Simulations.

Best Sellers - Books :
• Brown Bear, Brown Bear, What Do You See? By Bill Martin Jr.
• How To Catch A Leprechaun
• Taylor Swift: A Little Golden Book Biography By Wendy Loggia
• A Court Of Silver Flames (a Court Of Thorns And Roses, 5) By Sarah J. Maas
• Never Lie: An Addictive Psychological Thriller
• The Ballad Of Songbirds And Snakes (a Hunger Games Novel) (the Hunger Games)
• Little Blue Truck's Springtime: An Easter And Springtime Book For Kids
• Rich Dad Poor Dad: What The Rich Teach Their Kids About Money That The Poor And Middle Class Do Not!
• Why A Daughter Needs A Dad: Celebrate Your Father Daughter Bond This Father's Day With This Special Picture Book! (always In
• Love You Forever