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Advances in Civil Engineering and Building Materials-Shuenn-Yih Chang 2012-10-31 Advances in Civil Engineering and Building Materials presents the state-of-the-art development in: - Structural Engineering - Road & Bridge Engineering - Geotechnical Engineering - Architecture & Urban Planning - Transportation Engineering - Hydraulic Engineering - Engineering Management - Computational Mechanics - Construction Technology - Building Materials - Environmental Engineering - Computer Simulation - CAD/CAE Emphasis was given to basic methodologies, scientific development and engineering applications. Advances in Civil Engineering and Building Materials will be useful to professionals, academics, and Ph.D. students interested in the above mentioned areas.

Advances n Mechanical Engineering- 2010

Proceedings of the 2nd International Conference on Data Engineering and Communication Technology-Anand J. Kulkarni 2018-10-03 This book features research work presented at the 2nd International Conference on Data Engineering and Communication Technology (ICDECT) held on December 15–16, 2017 at Symbiosis International University, Pune, Maharashtra, India. It discusses advanced, multi-disciplinary research into smart computing, information systems and electronic systems, focusing on innovation paradigms in system knowledge, intelligence and sustainability that can be applied to provide feasible solutions to varied problems in society, the environment and industry. It also addresses the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in a variety of disciplines of computer science and electronics engineering.

Audio-Video Engineering- Engineering Mathematics - II-S.K.Kate 2009

Proceedings of the International Conference on Data Engineering and Communication Technology-Suresh Chandra Satapathy 2016-08-23 This two-volume book contains research work presented at the First International Conference on Data Engineering and Communication Technology (ICDECT) held during March 10–11, 2016 at Lavasa, Pune, Maharashtra, India. The book discusses recent research technologies and applications in the field of Computer Science, Electrical and Electronics Engineering. The aim of the Proceedings is to provide cutting-edge developments taking place in the field data engineering and communication technologies which will assist the researchers and practitioners from both academia as well as industry to advance their field of study.

Mechatronics-V.S.Bagad 2009

Humanities And Social Sciences-Mahendra Salunke 2009

Engineering Mechanics-H.J.Sawant 2009

Basic Electronics Engineering-U.A.Bakshi 2009

Basic Electronics Engineering-U.A.Bakshi A.P.Godse 2008 Diodes & TransistorsPN junction, Biasing the PN junction diode, Forward, Reverse bias and its characteristics. Diode as rectifier, Half wave rectifier, Full wave rectifier, Bridge rectifier, Output waveforms, Definitions and derivations of Idc, Vdc, Vrms, Irms, Efficiency (). Ripple factor, Peak inverse voltage (PIV), Capacitor input filter.Zener diode, Comparison of Zener and Avalanche breakdowns, LED, Photodiode, Varactor diode.Construction of bipolar junction transistor (BJT), PNP-NPN BJT working with normal biasing, BJT configuration CE, CB, CC. Input and Output characteristics of CB & CE configuration.Purpose of biasing, DC operating point, Active, Cut-off and Saturation regions, Alpha and Beta definition and their relations.BJT as a switch, BJT as a voltage amplifier.Amplifier and Voltage Regulator Single stage CE transistor as amplifier, Working of amplifier with the help of D.C. load line, Selection of Q point and waveforms. Practical amplifier with self biasing, RC coupled single stage AF amplifier, Frequency response and Bandwidth.Comparison of CE, CB & CC on the basis of Av, Ai, Ri, Ro.Regulation, block schematic of a regulated power supply, Zener diode as a regulator, Block schematic of Series, Shunt regulator, IC 3 Terminal voltage regulator [78XX,79XX]Digital Electronics Binary logic, Positive, Negative logic Boolean algebra, Basic theorems, DeMorgan's theorems, Logic circuits, Standard logic gates, Universal logic gates, Ex-OR & Ex-NOR symbol, Equation & Truth table, Implementation of Boolean Equation using basic gate and Universal gate, Reduction of Boolean equation using two variable K-Map. One bit comparator, Half adder, Full adder.Operational - Amplifier and Oscillators Introduction to Op-amp, Properties of ideal Op-amp, Open loop and Close loop configuration of Op-amps, Derivations for gain of inverting, Non - inverting, Difference amplifier, Application of Op-amps-as summing, Difference, Voltage follower, Open loop comparator.Principle of feedback, Concept of +ve and ve feedback. Definition of an Oscillator, Oscillator principles, Barkhausen criterion, Working of RC phase - shift oscillator, Wien bridge oscillator, LC oscillator, Frequency of Oscillation(No derivation)Transducers Block diagram of a Instrumentation system. Classification of Transducers : Primary, Secondary, Active, Passive. Selection criteria for transducers. Temperature transducers : Thermocouple, RTD, Thermister. Displacement and pressure transducers : LVDT, Strain gauge, piezo-electric transducers.Electronic Measurement, System & Application CRO : Operation of single beam and Dual trace CRO with simple block diagram, Front panel controls of CRO such as volts/div, times / div, X-Y positions, Trigger, Chop, Alternate, Oscilloscope attenuated probes.Electronic weighing machine, Electronic batch counter, Burglar alarm, Block schematic of P.A. system. IC 555 as a free running Oscillator and Timer.

Advanced Materials Research-Stanislav Kolisnychenko 2018-11-13 Special topic volume with invited peer reviewed papers only

India Today- 2006

Basic Electrical Engineering-V.U.Bakshi U.A.Bakshi 2007 General Concept of e.m.f., p.d., and current resistance, effect of temperature on resistance. Resistance temperature coefficient. Insulation resistance, S.I. units of work, power and energy. Conversion of energy from one form to another in Electrical, Mechanical and Thermal systems. Batteries and cells, Their types, Current capacity and cell ratings, Charging and discharging of batteries, Series and parallel battery connections, Maintenance procedure.D.C. CircuitsClassification of electric networks, Ohm s law, Kirchhoff s laws and their applications for networks solutions. Simplification of networks using series and parallel combinations and star-delta transformation, Superposition theorem, Thevenin s theorem, Norton s theorem and maximum power transfer theorem.ElectromagnetismMagnetic effect of electric current, Cross and dot convention, Right hand thumb rule and cork screw rule, Nature of magnetic field of a long straight conductor, Solenoid and toroid. Concept of m.m.f., Flux, Flux density, Reluctance, Permeability and field strength, Their units and relationships. Simple series and simple parallel magnetic circuits. Comparison of electric and magnetic circuits. Force on a current carrying conductor placed in a magnetic field. Fleming s left hand rule, Force between two long parallel current carrying conductors placed in vacuum, Definition of unit of ampere.Electromagnetic Induction : Faraday s laws of electromagnetic induction, Statically and dynamically induced e.m.f., Self and mutual inductance, Coefficient of coupling. Energy stored in magnetic field. Descriptive treatment of B-H curve, Hysteresis loop, Hysteresis loss and eddy current loss.Electrostatics and A.C. FundamentalsA) Electrostatic field, Electric flux density, Electric field strength, Absolute permittivity, Relative permittivity, Dielectric strength, Capacitance and capacitor. Composite dielectric capacitors. Capacitors in series and parallel. Energy stored in a capacitor. Charging and discharging of capacitor and time constant.B) Sinusoidal voltages and currents, their mathematical and graphical representation. Concept of instantaneous, peak, average and r.m.s. values, cycle, period, frequency, peak factor and form factor, Phase difference. Phasor representation and indication of phase difference in it. Rectangular and polar representation phasors.Single Phase A.C. CircuitsStudy of A.C. circuits consisting of purely resistive, Purely inductive, Purely capacitive type and corresponding voltage-current phasor diagram. Concept of reactance. Study of series and parallel circuits consisting of resistance, inductance and capacitance, Combinations to develop the concepts of impedance, admittance, conductance, susceptance and relevant voltage-current phasor diagram. Resonance in series R-L-C circuit and parallel R-L-C circuit, Concept of volt-ampere, power factor and power.Polyphase A.C. Circuits and Single Phase TransformersA) Polyphase A. C. Circuits : Concepts of three-phase supply and phase sequence. Current and power relation in three phase balanced star and delta-connected loads along with the phasor diagrams.B) Single Phase Transformers : Construction, Principle of working; e.m.f. equation, voltage and current ratios. Losses, Definition of regulation and efficiency. Determination of these by direct loading method. Descriptive treatment of autotransformers and dimmerstats.

Principles of Programming Languages-Seema Kedar 2009

Basics Of Mathematics-S.K.Kate 2009

IAENG Transactions on Engineering Sciences-Sio-Iong Ao 2016-08-10 Two large international conferences on Advances in Engineering Sciences were held in Hong Kong, March 18–20, 2015, under the International MultiConference of Engineers and Computer Scientists (IMECS 2015), and in London, UK, 1–3 July, 2015, under the World Congress on Engineering (WCE 2015) respectively. This volume contains 35 revised and extended research articles written by prominent researchers participating in the conferences. Topics covered include engineering mathematics, computer science, electrical engineering, manufacturing engineering, industrial engineering, and industrial applications. The book offers state-of-the-art advances in engineering sciences and also serves as an excellent reference work for researchers and graduate students working with/on engineering sciences.

Computer Organization-A.P.Godse 2010

Data Structures And Algorithms-A.A.Puntambekar 2009

Electrical Circuits and Machines-U.A.Bakshi 2009

Operating Systems-Stuart E. Madnick 1974

Object Oriented Modeling And Design-B.S.Ainapure 2010

Distributed Systems-Mrs.Shehal Kamalapur Mrs.Neeta Deshpande 2009 Introduction to distributed systems, Examples of distributed systems, Characteristics, Goals, Hardware and software concepts, Design issues, Resource sharing and the web, Challenges.System models : Introduction, Architectural model, Fundamental models and Client server models.CommunicationInterprocess communication : Message oriented communication, Stream oriented communication.Layered protocols : Lower level, Transport level and Higher-level protocols.Distributed objects : RPC and LRPC, Remote method invocation, Events and notifications.Distributed File SystemsDistributed file systems : SUN NFS, CODA, Other DS, Comparisons.Name services : Name entities, Locating mobile entities, Removing unreferenced entitiesCase studies : DNS directory, Global name service, X.500 DS. Unit IV : SynchronizationTime and global states : Clock synchronization, Logical clocks, Global state.Co-ordination : Election algorithms, Mutual exclusion, Distributed transaction.Fault ToleranceProcess resilience, Reliable client server communication, Reliable group communication, Distributed commit and recovery.Case StudiesCase studies on CORBA, Grid and Clusters.

Tribology- Advanced Computer Architecture and Computing-S.S.Jadhav 2009

Microprocessors And Interfacing Techniques-A.P.Godse 2009

Control Systems-Srivastava 2009

Industrial Heating-Yeshvant V. Deshmukh 2005-05-20 Industry relies on heating for a wide variety of processes involving a broad range of materials. Each process and material requires heating methods suitable to its properties and the desired outcome. Despite this, the literature lacks a general reference on design techniques for heating, especially for small- and medium-sized applications. Industrial Heating: Principles, Techniques, Materials, Applications, and Design fills this gap, presenting design information for both traditional and modern heating processes and auxiliary techniques. The author leverages more than 40 years of experience into this comprehensive, authoritative guide. The book opens with fundamental topics in steady state and transient heat transfer, fluid mechanics, and aerodynamics, emphasizing analytical concepts over mathematical rigor. A discussion of fuels, their combustion, and combustion devices follows, along with waste incineration and its associated problems. The author then examines techniques related to heating, such as vacuum technology, pyrometry, protective atmosphere, and heat exchangers as well as refractory, ceramic, and metallic materials and their advantages and disadvantages. Useful appendices round out the presentation, supplying information on underlying principles such as pressure and thermal diffusivity. Replete with illustrations, examples, and solved problems, Industrial Heating provides a much-needed treatment of all aspects of heating systems, reflecting the advances in both process and technology over the past half-century.

Engineering Drawing And Graphics + Autocad-K. Venugopal 2007 This Book Provides A Systematic Account Of The Basic Principles Involved In Engineering Drawing. The Treatment Is Based On The First Angle Projection.Salient Features: * Nomography Explained In Detail. * 555 Self-Explanatory Solved University Problems. * Step-By-Step Procedures. * Side-By-Side Simplified Drawings. * Adopts B.I.S. And I.S.O. Standards. * 1200 Questions Included For Self Test.The Book Would Serve As An Excellent Text For B.E., B. Tech., B.Sc. (Ap. Science) Degree And Diploma Students Of Engineering. Amie Students Would Also Find It Extremely Useful.

Software testing and quality assurance-B.S.Ainapure 2009

Management Information Systems-V.S.Bagad 2009

Operating Systems-I.A.Dhotre 2007 Process Synchronization and Interprocess Communication :Background, Critical section problem, Semaphores, Classic problems of synchronizations, Critical regions, Monitors, OS synchronization.Deadlocks : System model, Deadlock characterization, Methods for handling deadlocks, Deadlocks, Deadlocks detection, Prevention, Avoidance, Recovery.Protection : Goals of protection, Domain of protection, Access matrix, Implementation of access matrix, Revocation of access rights.Security : Security problem, User authentication, Program threats, System threats, Securing system and facilities, Intrusion detection and cryptography.System architecture, User perspective, Operating system services, Assumptions about hardware, Architecture of UNIX OS, Introduction to system concepts, Kernel data structures, System administration, Buffer headers, Structure of the buffer pool, Scenarios for retrieval of a buffer, Reading and writing disk blocks, Advantages and disadvantages of the buffer cache.Internal Representation of Files : Inodes, Structure of a regular file, Directories, Conversion of a path name to an inode, Super block, Inode assignment to a new file, Allocation of disk blocks, Other file types.System calls for the File System : Open, Read, Write, File and Record locking, lseek, Close, File creation, Creation of special files, Change directory and Change root, Change owner and Change mode, stat and fstat, Pipes, Dup, Mounting and unmounting the systems, Link, Unlink, File system abstractions, File system maintenance.Structures of Processes : Process states and transitions, Layout of system memory, The context of a process, Saving the context of a process, Manipulation of the process address space, Sleep.Process Control : Process creation, Signals, Process termination, Awaiting process termination, Invoking other programs, The user ID of a process, Changing the size of a process. The shell, System boot and the init process.Process Scheduling and Time : Process scheduling, System calls for time and clock.Memory Management Policies : Swapping, Demand paging, A hybrid system with swapping and demand paging.I/O Subsystem : Driver interfaces, Disk drivers, Terminal drivers, Streams

Basic Electrical And Electronics Engineering (PTU, Jalandhar)-R. K. Rajput 2006

Automatic Control System-U.A.Bakshi 2009

Electrical Technology-U.A.Bakshi 2009

Choose Your Career-A Ganguly 2009-01-01 CHOOSE YOUR CAREER is a comprehensive account of the various job opportunities which are available today. It covers careers along with the qualifications and other personal traits that go with the job. Addresses of the institutes where a particular course is conducted have also been provided.

Care has been taken to include all the aspects of a job as well as the salary that goes with it. The reader will find this book to be a ready reckoner in the job market.

Internet Programming-A.A. Puntambekar 2009 Basic Network and Web Concepts Internet standards - TCP and UDP protocols - URLs - MIME - CGI - Introduction to SGML. Java Programming Java basics - I/O streaming - Files - Looking up Internet Address - Socket programming - Client/server programs - E-mail client - SMTP - POP3 programs

- Web page retrieval - Protocol handlers - Content handlers - Applets Image handling - Remote method invocation. Scripting Languages HTML - Forms - Frames - Tables - Web page design - JavaScript introduction - Control structures - Functions - Arrays - Objects - Simple web applications Dynamic HTML Dynamic HTML - Introduction -

Cascading style sheets - Object model and collections - Event model - Filters and transition - data binding - data control - ActiveX control - handling of multimedia data Server Side Programming Servlets Deployment of simple servlets - Web server (Java web server / Tomcat / Web logic) - HTTP GET and POST requests - Session tracking -

Cookies - JDBC - Simple web applications - Multi-tier applications.

Fluid Mechanics-A.P.Pandhare 2009

Applied Science - I-M.A.Jail 2009

Fundamentals Of Instrumentation-U.A.Bakshi 2009

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