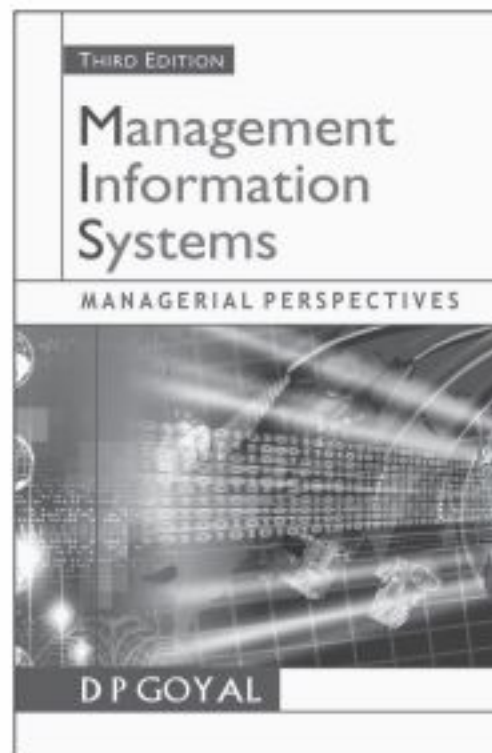
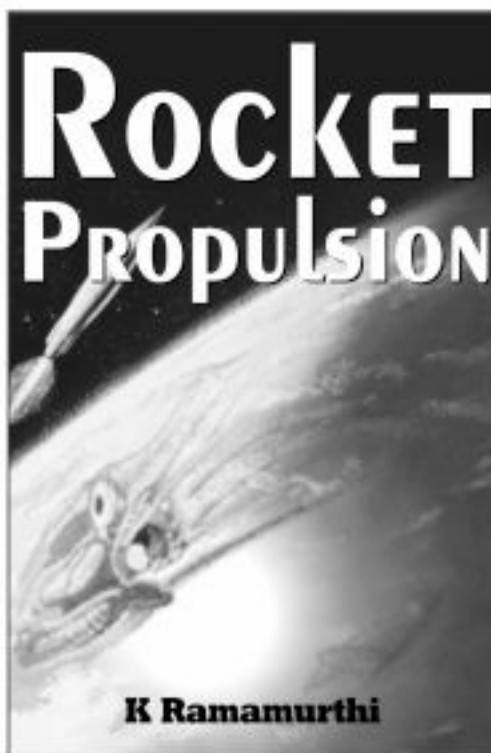
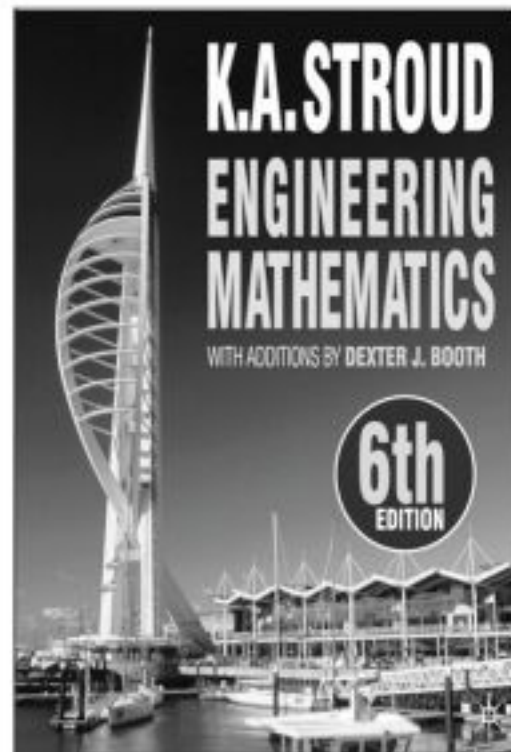
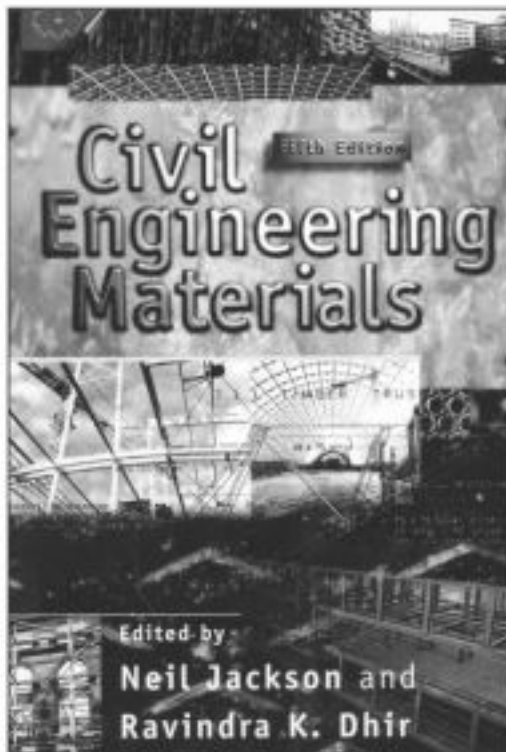




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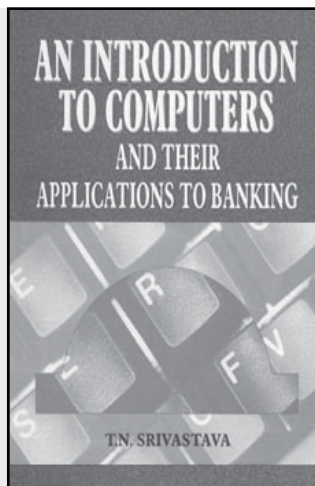




Engineering & Technology 2012-13

CONTENT

Computer Science.....	3-16
Computer Science Titles from Palgrave.....	17-18
Ecology and Environment	19-27
Engineering.....	28-47
Titles of Engineering from Palgrave	48-51
Price List.....	52-56



Author: T N Srivastava

ISBN: 978-0333-93335-0 | PB

Pages: 264 | Price: ₹ 180.00

Rights: World

About the Book

At the time when technologies like Internet Banking are no longer distant dreams, this book provides a complete understanding of computerization systems and their application in the banking industry. Oriented specifically towards bankers, operators as well as decision-makers, it summarizes the basic concept of hardware and software systems and elaborates on their application in the banking industry. This book is tailor-made for candidates taking the CAIIB exam, it is an essential read for other regular students as well.

Contents

Section A: Introduction • Introduction to Computers • Relevance, Scope and Impact of Computerization in Commercial Banks • Section B: Hardware and Software • Computer Hardware • Number System • Computer Software • Section C: Mechanization/Computerization in Banks • Computer Systems in Banks • Document Handling Systems • Some Applications of Computerization in Banks • Section D: Information Technology and Its Impact • Data Communication and Computer Networking • Electronic Banking • Electronic Payments and Funds Transfer Systems • Security Controls and Audit in a Computerized Environment • Trends in Impact of Technology in Banks • Section E: Annexures • Index



Author: Krishna Kant

ISBN: 978-0230-32824-2 | PB

Pages: 436 | Price: ₹ 345.00

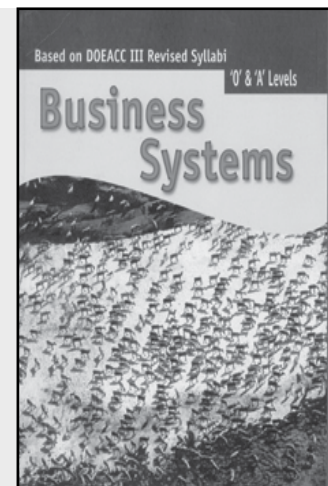
Rights: World

About the Book

An Introduction to Microprocessor and Applications introduces workings of the microprocessor, its applications, and programming in assembler and high-level languages. Practical work and knowledge-check questions contribute to building a thorough understanding with a practical focus. The book concludes with a step-by-step walk through a project based on the PIC microcontroller.

Contents

Part 1: Binary Number System And Arithmetic • Binary Number System • Negative Number Representation • Binary Arithmetic • Part 2: Basic Computer Organisation • Computer Hardware Organization • Instruction Execution • Programming System • Part 3: Introduction To Microprocessors Architecture • Introducing Microprocessor • Interfacing Microprocessor • Data Transfer Schemes • Microprocessor Chip and Signals • Microprocessor Evolution and Advancements • Part 4: Sample and Hold Amplifier, Multiplexer, Digital to Analog and Analog to Digital Converters • Sample and Hold Amplifier • Multiplexer • Digital to Analog Converter • Analog to Digital Converter • Part 5: Intel 8085 Microprocessor Hardware • General Architecture • Intel 8085 Pins and Signals • Memory Interfacing • Instruction Execution • Direct Memory Access • Interrupt Processing • Part 6: Intel 8085 Microprocessors Instruction Set And Programming • Programming Model of Intel 8085 • Instruction Format & Addressing Modes • Data Transfer Instructions • Arithmetic Instructions • Logical Instructions • Branch Instructions • Stack I/O and Machine Control Instructions



Author: ITLES

ISBN: 978-1403-91034-9 | PB

Pages: 500 | Price: ₹ 295.00

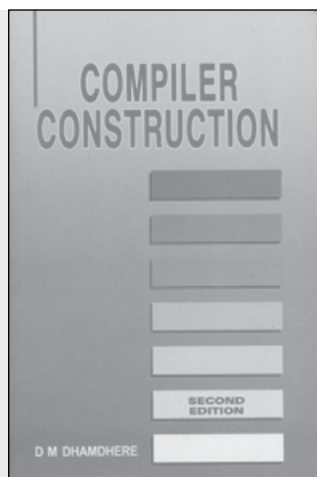
Rights: World

About the Book

The book covers the topics that are at the core of recent developments and form part of the most curricula of computer sciences and communication technologies. It provides the most exhaustive and updated material which serves as essential reading for students of BE/AMIE/BCA/MCA/BIT/MIT. All chapters are well supported by illustrations, examples and exercises in addition to sample question papers at the end of self-assessment.

Contents

Introduction to Business Data Processing • Principles and Techniques of Programming • Tables in Visual FoxPro • Using Forms • Working from the Command Window • Programming with Visual FoxPro • Concept of Files • Introduction to Visual FoxPro • Using Queries • Creating Reports and Labels • Working with Relational Database • Business Applications • Assignments • Sample Papers



Author: D M Dhamdhare

ISBN: 978-0333-90406-0 | PB

Pages: 492 | Price: ₹ 295.00

Rights: World

About the Book

The book is designed to fulfil a well-identified need for a text which integrates the presentation of compiler implementation techniques and practices with the exposition of fundamental principles of compiler design. This book is primarily intended as a text for compiler construction and also aims at readers with programming and system programming background.

Contents

Introduction to Compilers • Programming Language Grammars • Scanning and Parsing Techniques • Symbol Table Organization • Memory Allocation • Compilation of Expressions • Compilation of Control Structures • Error Detection, Indication and Recovery • Compilation of I/O Statements • Code Optimization • Writing Compilers • Bibliography • Index



Author: K M Hebbar

ISBN: 978-0230-63687-3 | PB

Pages: 350 | Price: ₹ 295.00

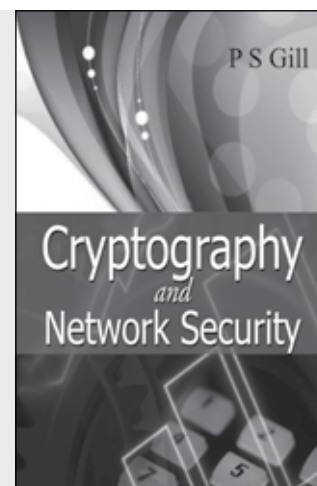
Rights: World

About the Book

Computer Architecture is specially written for beginners who are getting introduced to the area of Computer Architecture. The book begins with an introduction to numbers, as used in computers for scientific computation, as well as to information handling, which is followed by a study of structured programming to appreciate the nature of the CPU. The book then proceeds systematically to study the basic Central Processing Unit (CPU). The possibility of continuously increasing the logic system capabilities in a single chip and the circuits that got incorporated in the CPU chip to utilize this capability are being discussed next with brief presentations of pipelining, memory management, virtual memory, chip multiprocessors, etc. Memory systems, cache coherence in single and multiprocessor systems, memory consistency considerations are presented considering the simple, bus based shared memory multiprocessor systems.

Contents

1. Number Systems
2. Study of Programs for Problem Solving Algorithms and Instructions to implement them
3. Central Processing Unit and its design
4. Introduction to Memory Systems
5. Memory System Details in a Single CPU and multiple CPU Computers
6. Bus Systems
7. I/O Systems
8. A peep into the Modern Trends



Author: P S Gil

ISBN: 978-0230-33278-2 | PB

Pages: 302 | Price: ₹ 315.00

Rights: World

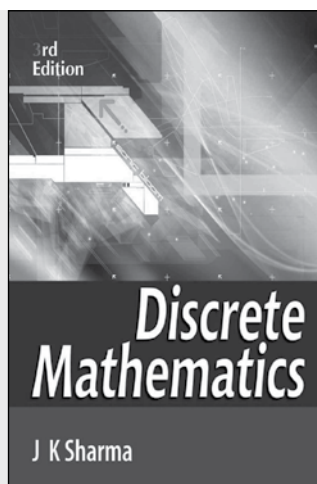
About the Book

Cryptography and Network Security is a sincere effort to present the complex concepts of Cryptography in a manner that can be easily grasped by students of Computer Science. The mathematical foundations of Cryptography like Fields, Discrete Logarithms, etc. have been comprehensively covered in a separate chapter, giving proofs of various theorems in a simple manner.

The cryptographic schemes have been organized under different chapters like Classical Cipher schemes, modern Symmetric Cipher schemes (including Advanced Encryption Standard) and Public-Key encryption schemes like RSA, Diffie-Hellman and E-Gamal etc. The cutting-edge technology Elliptic Curve Cryptography (ECC) has been adequately covered both for Data Confidentiality and Authentication with ample examples. The concepts of Authentication like Message Digests, Secure Hashing and Digital Signatures are comprehensively covered in a separate chapter.

Contents

- Introduction
- Classical Cipher Schemes
- Mathematical Foundations of Cryptography
- Modern Symmetric Ciphers
- Public-Key Cryptography for Data Confidentiality
- Authentication Schemes
- Centralized Authentication Service
- Public Key Infrastructure (PKI)
- Pretty Good Privacy



Author: J K Sharma
ISBN: 978-0230-32230-1 | PB
Pages: 600 | **Price:** ₹ 345.00
Rights: World

About the Book

The topics covered in this book have been chosen keeping in view the knowledge required to understand the functioning of the digital computer because many of its properties can be understood and interpreted within the framework of finite mathematical systems. This book provides a compact yet rigorous treatment of the major mathematical techniques available for study in theoretical computer science. In this edition, each chapter has been revised thoroughly to widen the scope of topics. Several solved and unsolved questions have been added in each chapter. Two new chapters Number Theory and Language, Grammar and Automata have been added.

Contents

• Chapter 1: Set Theory • Chapter 2: Number Theory • Chapter 3: Relations and Digraphs • Chapter 4: Functions • Chapter 5: Mathematical Induction • Chapter 6: Combinatorics • Chapter 7: Fundamentals of Probability • Chapter 8: Recurrence Relations and Generating Functions • Chapter 9: Graph Theory • Chapter 10: Trees • Chapter 11: Algebraic Structures • Chapter 12: Mathematical Logic • Chapter 13: Boolean Algebra • Chapter 14: Posets and Lattices • Chapter 15: Language, Grammar and Automata



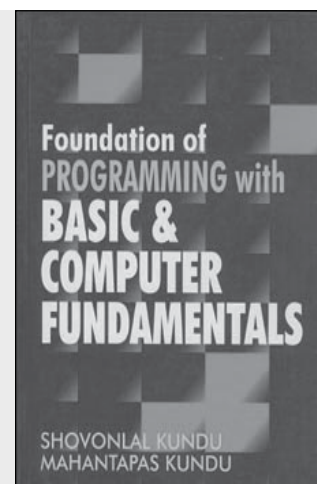
Author: Jibitesh Mishra
ISBN: 978-0230-33141-9 | PB
Pages: 456 | **Price:** ₹ 350.00
Rights: World

About the Book

E-commerce is the latest buzzword in Internet Technology (IT) and business world. It is a hybrid technology involving both IT and Business. Lot of research is still being carried out in this area. This is a handy and well-documented book that contains various aspects of trading on the web. All aspects of electronic commerce, i.e. buying & selling on the web is explained in it. It presents various concepts of e-commerce by evaluating its critical factors, the economics of e-commerce and other practical issues involved with it in various applications.

Contents

• Introduction • Technical Infrastructure • Web Server Hardware and Software • Electronic Commerce Software • Security Threats to Electronic Commerce • Implementing E-Commerce Security • Payment Systems for E-Commerce • Inter-organizational Commerce and EDI • Business Models • Marketing on the Web • Consumer-oriented Electronic Commerce • Internet Business Strategies • Metrics • Media Transformation • Multimedia and Digital Video • Software Agents • Mobile and Wireless Computing • Public Policy



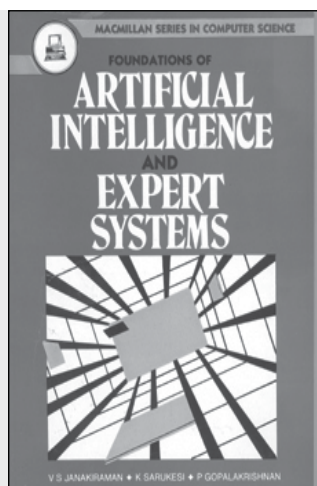
Author: Shovan Lal Kundu, Mahantapas Kundu
ISBN: 978-0333-93242-1 | PB
Pages: 516 | **Price:** ₹ 295.00
Rights: World

About the Book

The objective of the book is to enable a beginner to master the foundations of programming, computer systems and computer applications. The book covers the syllabi of the relevant portions of CBSE, ICSE and other state boards, 3-year diploma and PG diploma, BSc vocational and pass course in Computer Science and Application. In addition, it will provide an important resource for self-study by professionals.

Contents

Fundamentals of Computer Science • Algorithms and Flowcharts • Elements of Programming • Control Structures • Arrays • Searching and Sorting • Library Functions • String Processing • User-Defined Functions and Subroutines • Enhanced Layout and Keyboard Manipulation • Multiway Branching, Precision Arithmetic and Memory Manipulations • File Processing • Structured Programming and Program Testing • Graphics • Numerical Methods • Appendix • Index



Author: V S Janakiraman, K Sarukesi, P Gopalakrishnan

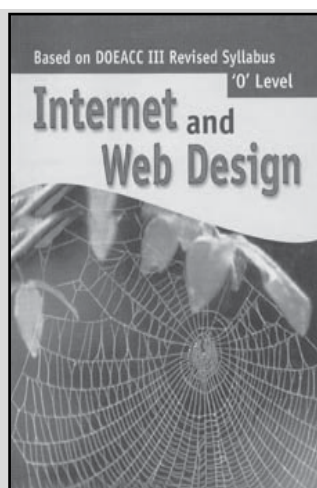
ISBN: 978-0333-92625-3 | PB
Pages: 346 | **Price:** ₹ 285.00
Rights: World

About the Book

Among the first Indian books on artificial intelligence (AI) and expert systems, this volume covers all facets of the subject in a lucid and coherent manner. The subject-matter meets the complete syllabus requirements of AI at the graduate and the postgraduate levels.

Contents

Concept of Artificial Intelligence • An overview of Japanese Fifth Generation Computer Systems • The Search Process • Game Playing • Logic • Knowledge Representation • Non-Monotonic, Probabilistic, Certainty and Fuzzy-Based Reasoning Systems • Robotics • Natural Language Processing • Computer Vision • Introduction to Expert Systems • Knowledge Engineering • Successful Expert Systems • LISP • Logic Programming and PROLOG • Artificial Intelligence Machines • Artificial Intelligence in Industry • Index



Author: ITLES

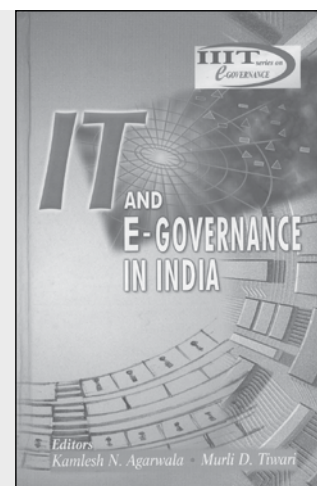
ISBN: 978-1403-91032-5 | PB
Pages: 424 | **Price:** ₹ 255.00
Rights: World

About the Book

This book is based on the latest (III Revised) DOEACC syllabus for 'O' level course (Module M3-R3). It provides most exhaustive and updated material supported by illustrations, examples and exercises for the students of BE/AMIE/BCA/MCA/BIT/MIT.

Contents

Introduction to Internet • Internet Technology and Protocols • Worldwide Web • Browsers • Electronic Mail • File Transfer Protocol • Telenet and Internet Relay Chat • Web Publishing • HTML • Interactivity Tools and Multimedia • Internet Security, Information Privacy and Copyright Issues • Assignments • Sample Papers • Answers • Glossary • DOEACC III Revised 'O' Level Syllabus



Author: Kamlesh N Agarwala, Murli D Tiwari

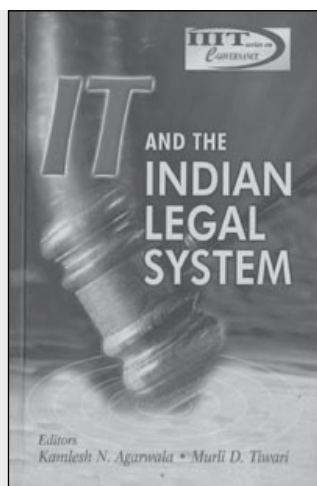
ISBN: 978-03339-3918-5 | PB
Pages: 216 | **Price:** ₹ 375.00
Rights: World

About the Book

This book covers aspects of e-governance that would transform India from 'an inline nation' to 'an online nation'. The contributors of this book have played an important role in designing, development and implementation of e-governance applications in India.

Contents

Information Technology in Government • E-Governance: Issues, Directions, and Applications • E-Governance: An Introduction • Taking Internet Connections to Rural India • Enabling Technologies for Empowerment of the Masses – A Concept Paper • Grass Roots Development through GRAMSAT System • Role of IT in Integrated Rural Development • RURALSOFT – An E-Governance Case Study • Information Technology in Government, Developing and Sustaining National Level Information Technology Solutions, Experiences in the Election Sector in India • National (Natural) Resources Information System (NRIS) • E-Governance and E-Commerce: A Banking Perspective • E-Governance: Payment Interface and Payment Options Available to Government Departments in India • Emerging Trends in E-Governance: A Uniform and Systematic Approach for Public Grievances Redress and Monitoring System • Commercial Tax Department Computerization – An Initiative Towards E-Governance • Editors and Contributors



Author: Kamlesh N Agarwala, Murli D Tiwari

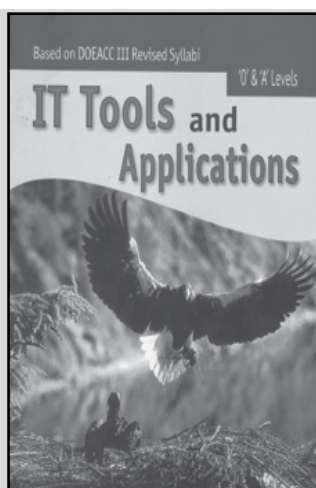
ISBN: 978-0333-93792-1 | HB
Pages: 196 | Price: ₹ 318.00
Rights: World

About the Book

This collection of articles shows how the Indian legal system can be transformed into a proactive legal redressal system. The challenges posed by cyber crime, the possibilities of e-enabled legal profession and the ramifications of cyber law on jurisprudential science and its repercussions on Indian courts are also discussed.

Contents

IT and Indian Legal System • IT and Legal Profession • Law and Implications of Information Communication Technologies (ICT) in the Legal System • Computer in Legal Profession Including Judiciary: The Gujarat Experience • Law and Liability on the Internet • The Information Technology Act, 2000 and Beyond: Legal Challenges of the Digital Millennium • Digital Signature and IT Act • Information Technology in Indian Courts • Exploring Opportunities in Legal Profession: Cyber Crime – An Overview of the Opening that Internet Offers to Perpetrate Cyber Crime • Exploring Possibilities in e-Enabled Legal Profession in IPR • Cyber Law and Jurisprudential Science • Indian Judiciary and the Cyber Law • About the Editors and Contributors



Author: ITLES

ISBN: 978-1403-91035-6 | PB
Price: ₹ 335.00
Rights: World

About the Book

This book forms part of the most curricula of computer sciences and communication technologies and is written according to the latest (III revised) DOEACC syllabus for 'O' & 'A' level courses. This is the third book in the series of books published on DOEACC syllabi. The exhaustive and updated study material provided in the book should serve as an essential reading for students of BE/AMIE/BCI/MCA/BIT and MIT

Contents

Computer Appreciation • Computer Organization • Operating Systems • World Processing Package • Spreadsheet Package • Presentation Package • Information Technology and Society • Assignments • Sample Papers • Answers • Glossary • DOEACC III Revised 'O' Level Syllabus



Author: U K Chakrabarty

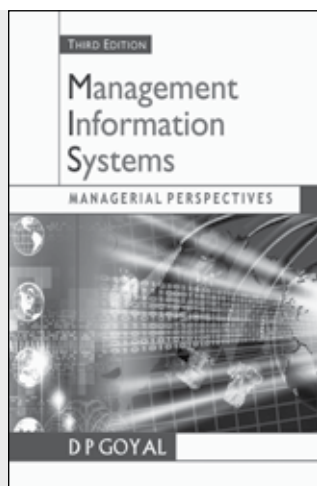
ISBN: 978-0230-32888-4 | PB
Pages: 408 | Price: ₹ 775.00
Rights: World

About the Book

Management Information System (MIS) is an integral part of modern day safety management functions and requires the same degree of thought and attention as the other management aspects. The system must be dynamic, evolving and continually improving, which can be made possible through effective monitoring of Safety Management System (SMS) by auditing and inspection. Simple compliance with prescriptive legislation will no longer be an acceptable policy. Any MIS would have to be designed to be practical and 'user friendly', such that it will promote a 'Safety Culture' in an efficient and effective manner.

Contents

Preface • Acknowledgement • Introduction • Process Safety Management • Hazard and Risk Management • Accident/Incident Management • Inspection and Auditing • Safety Education and Training • Work Environment Monitoring • Hazard and Risk Communication • Emergency Response Survey and Behavioural Safety • Chemical Hazard Management • Health and Hygiene Management • Environment Management • Ergonomics Management • Health and Safety Programme Management • Safety Performance Measurements and Monitoring • Off-the-Job Safety Management • Document Control System •



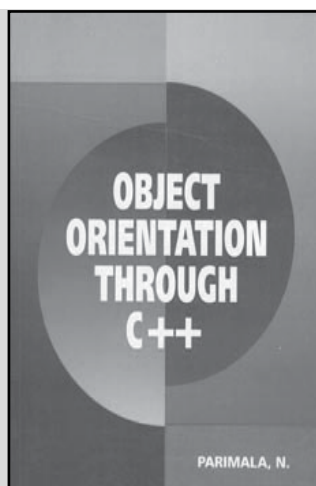
Author: D P Goyal
ISBN: 978-9350-59269-4 | PB
Pages: 400 | **Price:** ₹ 395.00
Rights: World

About the Book

To compete and emerge successful in a global competitive environment demands an effective and efficient Management Information System (MIS). Indian organizations are in fact increasing their IT investment at the rate of 35 per cent annually. Responding to this need, the book explains the concepts, strategies and issues involved in developing and managing information systems. The book attempts to balance the two disciplines of management and computer science to understand the applications of MIS. This book is divided into five parts; each part leading onto the next smoothly. Focusing on conceptual framework the book leads to basic structure of Information System, business applications, its development, and management of IS resources. The entire subject has been presented in a simple and easy-to-understand manner. Thus no prior knowledge of computers is essential to follow this book. The clarity in presenting concepts and their applications is the focus of this book. The text is supplemented with real-life case studies and those from simulated environments. Certain pedagogic tools like Learning Objectives, Summaries, Teamwork and Projects are engaged to make the text reader-friendly.

Contents

Part I – Conceptual Foundations
 Part II – Information Technologies
 Part III – Business Applications Of Is
 Part IV – Management Of Is
 Part V – Building Of Is



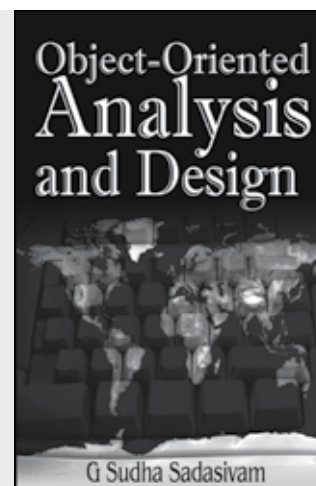
Author: N Parimala
ISBN: 978-0333-93202-5 | PB
Pages: 236 | **Price:** ₹ 225.00
Rights: World

About the Book

This book explains the concept of object orientation and the features of C++ as a language based on object-oriented programming. Though meant as a textbook for undergraduates and graduates, this book is valuable for programmers who wish to learn C++ and designers who are looking for different strategies to adopt while designing programs.

Contents

Introduction • Part One: Conceptual Background • Objects and Classes • Class Hierarchy • Object Oriented Design • Part Two: Implementation • The C++ Class • More about Classes • Additional Classes • Class Derivation • Operator Overloading and User-Defined Conversion • Templates • Blood Blank System • Appendix • Glossary • Bibliography • Index



Author: G Sudha Sadasivam
ISBN: 978-0230-32790-0 | PB
Pages: 368 | **Price:** ₹ 310.00
Rights: World

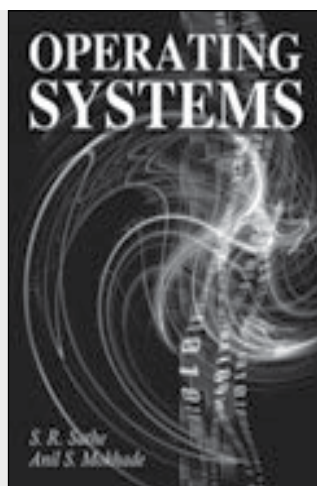
About the Book

Object-Oriented Analysis and Design promotes better understanding of the requirements, cleaner designs and more maintainable systems. This learning material emphasizes that object oriented technology is more than just a way of programming. It applies the object-oriented concepts to the entire software development cycle. The significant features of this learning material are:

- It focuses on the conceptual processes of analysis and design, rather than the low level, back-end implementation steps of programming.
- It helps to learn system analysis and design technique - what it is and how one goes about doing it.
- It makes us understand and appreciate that we live in a world of systems and systems within systems, which are parts of even larger systems.
- It presents graphical notations and methodologies independent of any particular programming language.

Contents

Preface
 • Acknowledgements
 • Introduction to System Analysis and Design
 • Object Models
 • Objects, Classes, Relationships
 • Unified Modeling Language
 • Modeling using Use Case Diagrams, Activity Diagrams and State Chart Diagrams
 • UML Interaction Diagrams
 • UML Structural Diagrams



Author: S.R. Sathe, Anil S. Mokhadel

ISBN: 978-0230-63686-6 | PB

Pages: 272 | Price: ₹ 295.00

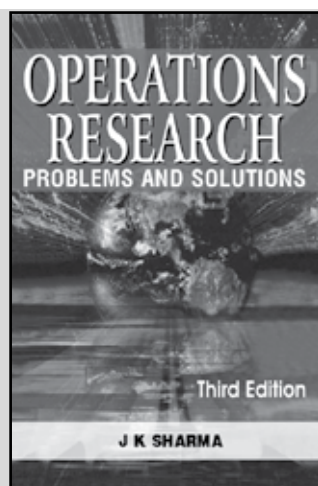
Rights: World

About the Book

Operating Systems is aimed at developing an understanding of the fundamental concepts and techniques of operating systems. This book discusses concepts, structure and techniques of operating systems – encompassing everything from low-level device drivers to concurrency, etc. The text is presented in a lucid language, which sustains the readers' interest and also makes the understanding of the concepts very easy. Each chapter in the text is supplemented with 'chapter-end exercises', 'points to be remembered' and 'assistance for section exercises' after each section, thus making it even more reader-friendly.

Contents

Introduction • Computer System Structures • The Evolution of Operating System • Operating System Structures • Process Management • Concepts of Process • CPU Scheduling • Process Synchronisation • Deadlocks • Storage Management • Memory Management • Virtual Memory • File System Interface • Implementation of File System • I/O System • I/O System Components • Secondary Storage Structure • Protection and Security • Protection • Security • Distributed Systems • Network Topology • Communication and Communication Architecture • Distributed System Structures • Distributed Coordination and Deadlock • Case Studies • UNIX Operating System • LINUX Operating System • Windows NT Index



Author: J K Sharma

ISBN: 978-0230-63659-0 | PB

Pages: 912 | Price: ₹ 470.00

Rights: World

About the Book

This revised edition elucidates the key concepts and methods of operations research. It aims to supplement textbooks on Operations Research (OR) and upgrade student's knowledge and skills in the subject. Salient features

- Updated and suffused with numerous and varied solved examples to provide integrated view of theory and applications of operations research.
- Self-practice unsolved problems at the end of each chapter.
- Sufficient hints and answers to unsolved problems to enable students learn at their own pace.

Contents

• Operations Research: An Introduction • Linear Programming: Model Formulation • Linear Programming: Graphical Solution Method • Linear Programming: Simplex Method • Revised Simplex Method • Dual Simplex Method • Bounded Variables LP Problems • Duality in Linear Programming • Sensitivity Analysis • Parametric Linear Programming • Integer Linear Programming • Goal Programming • Transportation Problem • Assignment Problem • Decision Theory and Decision Tree Analysis • Theory of Games • Project Management: PERT and CPM • Inventory Control • Queuing Theory • Replacement and Maintenance Models • Markov Chains • Simulation • Sequencing Problem • Information Theory • Dynamic Programming • Non-Linear Programming Methods Appendix



Author: J K Sharma

ISBN: 978-0230-63885-3 | PB

Pages: 976 | Price: ₹ 465.00

Rights: World

About the Book

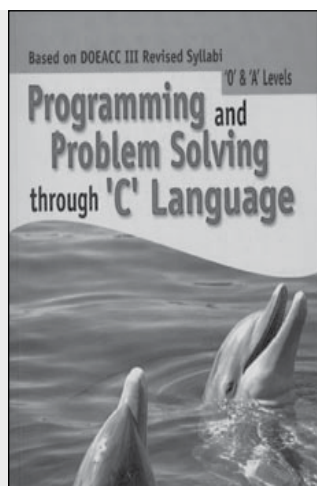
Operations Research: Theory and Applications, is a comprehensive text for courses in Quantitative Methods, Operations Research, Management Science, Analytical Methods for Decision-Making, and other related subjects. This fourth edition of the book further enhances the easy-to-understand approach employed in the first three editions. It continues to provide readers an understanding of problem-solving methods based upon a careful discussion of model formulation, solution procedures and analysis.

Salient Features

- Almost all chapters have been reorganized and/or rewritten to facilitate better and easier understanding of concepts and text material.
- Each chapter contains Preview and Learning Objectives to guide the students to focus their attention to understand a specific topic under study.
- Most chapters contain 'Cases' to help students to understand business situations and suggest solutions to certain managerial issues that are raised using specific technique of operations research.

Contents

1. Operations Research: An Introduction
2. Linear Programming: Applications and Model Formulation
3. Linear Programming: The Graphical Method
4. Linear Programming: Simplex Method
5. Duality in Linear Programming
6. Sensitivity Analysis in Linear Programming
7. Integer Linear Programming



Author: ITLES

ISBN: 978-1403-91033-2 | PB

Pages: 448 | Price: ₹ 245.00

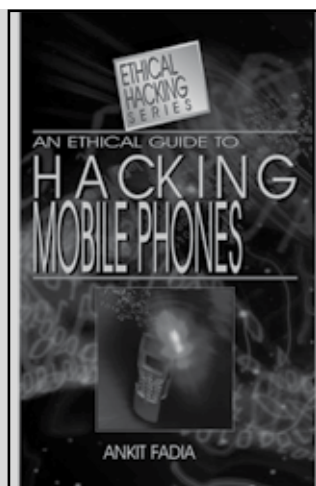
Rights: World

About the Book

This book introduces readers to the programming world through C language. Written according to the latest syllabi for 'O' & 'A' level courses, it is second in the series of books published on DOEACC syllabi. An essential reading for students of BE/AMIE/BCA/MCA.

Contents

Introduction to Programming • Algorithms for Problem Solving • Introduction to C Language • Conditional Statements and Loops • Functions • Arrays • Structures and Unions • Pointers • Self-Referential Structures and Linked Lists • File Processing • Advance C • Assignments and Projects • Sample Papers • C Keywords and Precedence of Operators • Answers • DOEACC III Revised 'O' Level Syllabus



Author: Ankit Fadia

ISBN: 978-1403-92850-4 | PB

Pages: 208 | Price: ₹ 599.00

Rights: World

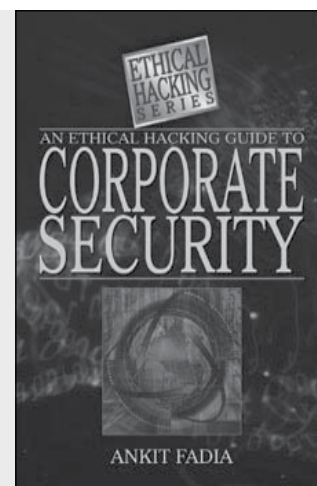
About the Book

That is an independent computer security based expert out of the Silicon Valley in California, USA. He has authored several international best-sellers on numerous topics related to computer security that have been widely appreciated by both professionals and industry leaders the world over. Fadia is also a widely recognized computer security guru and cyber terrorism expert.

Hackers. That elusive class of computer criminals who break into systems, release viruses, and deface websites, right? Wrong! While such computer criminals have helped shape the typical definition of a hacker, not all hackers are out to wreak havoc. There are ethical hackers who crack a system for the sheer challenge of doing so – not to cause damage or destruction. This book is much more than a guide to hacking. For anyone interested in finding out how your fail-safe system was cracked and how you can better protect yourself, this book is a must-read. It contains helpful resources that you can use as a reference to better protect your system from becoming the victim of attacks. It also includes discussions on the nature of file encryption, firewalls and viruses, and shows how users can make their systems more secure.

Contents

Preface • Chapter 1: Security Threats • Chapter 2: Viruses, Worms and Trojans • Chapter 3: Security Tips and Tricks • Appendices • Index



Author: Ankit Fadia

ISBN: 978-1403-92445-2 | PB

Pages: 270 | Price: ₹ 399.00

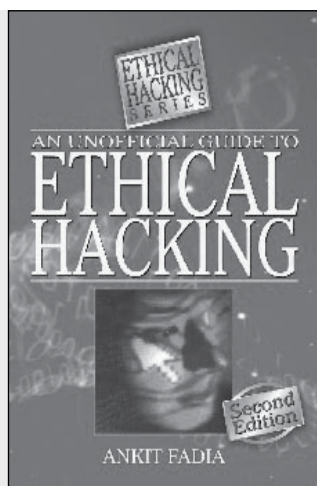
Rights: World

About the Book

The Internet with its widening global dimensions has exposed the corporate world to the grave threat of espionage and cyber crimes; however, the organizations are invariably oblivious to these threats. The Ethical Hacking Guide to Corporate Security dismisses this incompetent approach. The book has addressed some of the horrific cyber crime cases to hit the corporate world, across 17 different countries in 5 continents. Direct correlation has been drawn between computer security and business profitability through an appropriate mix of technical explanation and business implication. This is a thoroughly researched book that provides easy-to-understand analyses of some of the most dangerous security threats and measures to safeguard networks.

Contents

Email Security • Instant Messengers • Intellectual Property Thefts • Password Cracking Attacks • Identity Attacks • Input Validation Attacks • Denial of Services (DOS) Attacks • Buffer Overflows • Social Engineering Attacks • Appendices



Author: Ankit Fadia

ISBN: 978-1403-92964-8 | PB

Pages: 616 | Price: ₹ 499.00

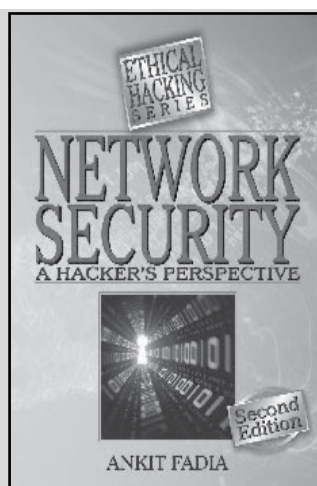
Rights: World

About the Book

The basic motive behind this book is to create a new wave of ethical hackers, which would revolutionise the global security scene. The book looks at topics such as hacking windows, cracking passwords, hacking concepts and a whole lot more that the reader would want to know about.

Contents

Foreword • Preface • So Who is a Hacker Anyway? • Finding Information on the Net • Hacking Windows • Advanced Windows Hacking • Getting your Hands Wet: Net Tool I • Exploring Remote Systems: Net Tool II • A Guide for Webhackers: Net Tool III • Getting Past the Password • Batch File Programming • TCP/IP: A Mammoth Description • Hacking Concepts: A Deeper Approach • How does a Virus Work? Part I • How does a Virus Work? Part II • The Perl Manual • The C Programming Language • Nasty Scripts and Hostile Applets • Appendix: Some More Net Tools



Author: Ankit Fadia

ISBN: 978-1403-93088-0 | PB

Pages: 384 | Price: ₹ 399.00

Rights: World

About the Book

Network Security: A Hacker's Perspective (2/e) will help you gain entry into the minds of seasoned computer criminals, so that you can forestall their attempts and pre-empt all harmful attacks. You will become a true hacker profiler, well equipped to detect the ways in which these attackers can infiltrate your system, including stealing your identity by obtaining your IP address; gathering information through port scanning, fingerprinting and sniffing; and attacking password files. Both network administrators and ordinary users will find the book useful to learn the right countermeasures to protect sensitive and confidential information, and also to counter some of the most common hacker attacks.



Author: Ingiti Agarwal

ISBN: 978-0230-32887-7 | PB

Pages: 200 | Price: ₹ 199.00

Rights: World

About the Book

As the name suggests Step Ahead is a complete guide to computers, comprising almost all the essential aspects of computer learning, from the beginner's module to the expert practice.

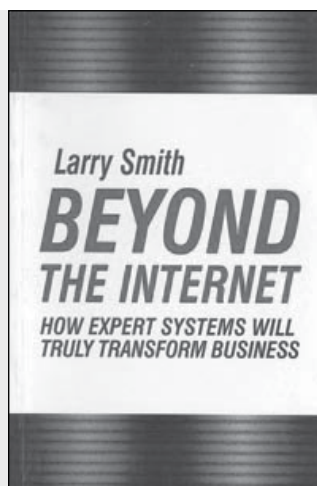
The book includes detailed analysis of almost all important software and other multimedia aids. It has been written and designed in a user friendly manner which enables the reader to use different applications of computer without any expert guidance.

The book will prove useful for students, office-goers, housewives, or anyone who wish to use computer in their day to day life.

The book has tried to do away with the perception that computer learning is a tedious task rather it makes computer learning a fun filled experience through easily understandable language and display.

Contents

Fundamental • Window • MS-DOS • MS-Office • MS Word • MS Excel • Power Point • Desktop Publishing • Page Maker • Corel Draw • Photoshop • Internet • E-Mail • Bluetooth • Tally



Author: Larry Smith

ISBN: 978-0333-93853-9 | PB

Pages: 256 | Price: ₹ 299.00

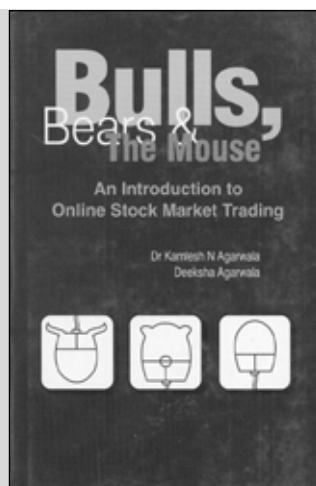
Rights: World

About the Book

This book explains why the dot com industry failed and predicts the future of information technology. The author shows how businesses will be working – businesses that move quickly to the new universe of work that computers are creating.

Contents

Introduction • Competition Without Limit • Expert Systems: The Ultimate Technology • The Power of the Rule • Work, Not Talk • Void of Ignorance: Where Angels Fear to Tread • Foundation of Empire • Advance of the Systems • Control and Memory • Improvement or Innovation • Education: Fountainhead of the Information Industries • Consulting: Mentor, Servant, and Guardian Angel • Into the Twenty-first Century • Acknowledgements • Index



Author: Kamlesh N Agarwala, Deeksha Agarwala

ISBN: 978-0333-93472-2 | HB

Pages: 464 | Price: ₹ 699.00

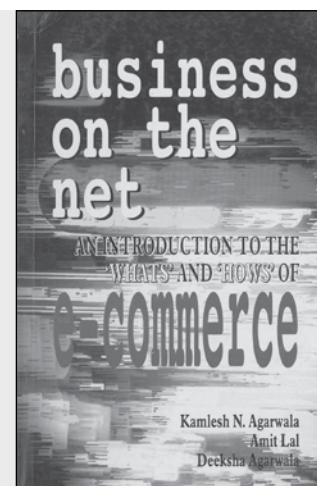
Rights: World

About the Book

This book explains e-business potential and possibilities with expert guidance towards making correct choices in online trading. It also empowers the investor with a smart business edge thinking and vision into investing online. The book presents an overview of online trading in India and the status of a number of issues related to internet trading.

Contents

Internet and Evolution of Online Trading • Trading in Securities: The Conventional Way • It Seems That 'Dalal Street' will Soon be History • EDI and Online Trading • Stock Trading Goes Online: Depository Services • Beginning of the Era of Stock@Click • Internet and Security on Internet Trading • Internet Trading • Indian Trading Storefront: A Review • Issues Under Consideration • Appendices • Abbreviation • Glossary • Bibliography • Index



Author: Kamlesh N Agarwala, Amit Lal, Deeksha Agarwala

ISBN: 978-0333-93434-0 | PB

Pages: 236 | Price: ₹ 299.00

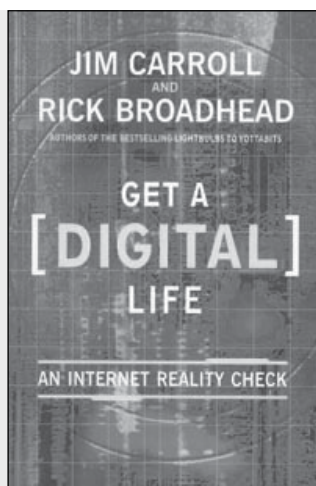
Rights: World

About the Book

This is the first work to analyse and document the evolution, development and the future of e-commerce. Addresses problems of privacy, confidentiality, cybercrime and cyberlaw, it deals with everything from the technological foundations of the internet to a future vision of e-commerce.

Contents

Evolution of the Internet • What is E-commerce? • Emergence of E-commerce • How E-commerce Works • How to Set Up Shop for E-commerce • How to Get Customers and Retain them • Issues Under Consideration • Future Vision of E-commerce • Appendices • Glossary • Abbreviations • Bibliography



Author: Jim Carroll, Rick Broadhead

ISBN: 978-0333-93852-2 | PB

Pages: 232 | **Price:** ₹ 199.00

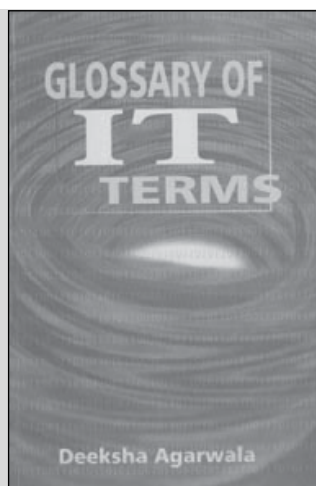
Rights: World

About the Book

In this book, internet experts Jim Carroll and Rick Broadhead bring their level-headed analysis to bear on the state of e-biz today and the skills and strategies that will separate winners from disappointed dreamers. They debunk the myths that have prevented companies from successfully using the internet to their advantage, and point the way to the real e-biz opportunities – in practical, cost-saving applications that herald a new era of electronic transactions and seamless customer-care management.

Contents

Introduction: Keeping the Faith, Finding Opportunity • Part I: Myths and reality – Beyond the Hype • Ten E-biz Myths Debunked • Why E-biz Still Matters • Part II: Business Opportunities – Electronic Transactions • The Customer-Centred Organization • Part III: Career Opportunities and Issues – Thinking About Where the Jobs Are • What Makes a Good Knowledge Worker? • Never Look Back • Appendix • Index



Author: Deeksha Agarwala

ISBN: 978-0333-93684-9 | PB

Pages: 376 | **Price:** ₹ 248.00

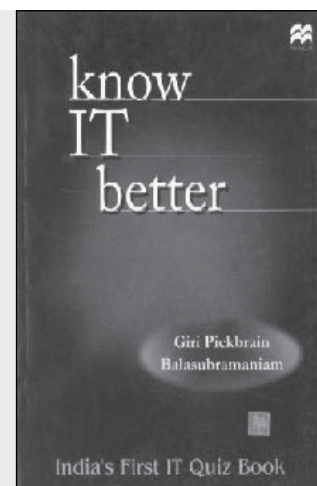
Rights: World

About the Book

This glossary is a compilation of over 4256 terms that will help clarify and verify the meaning behind commonly used terminology in an extremely user-friendly language. A must for IT sector professionals and students pursuing course in Information Technology.

Contents

Glossary of IT Terms • Symbols



Author: Giri Pickbrain Balasubramaniam

ISBN: 978-0333-93545-3 | PB

Pages: 100 | **Price:** ₹ 199.00

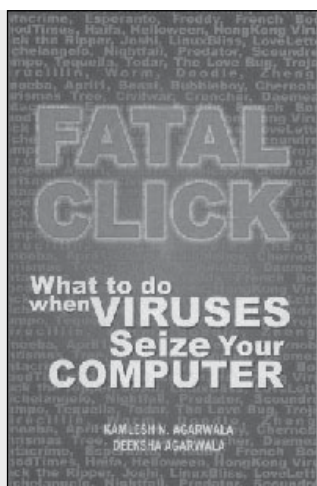
Rights: World

About the Book

It is the first comprehensive quiz book on IT in India. It covers the entire gamut of IT, its various aspects, its history and applications. This book will enhance the awareness levels of people in the field of IT.

Contents

Giri 'Pickbrain' Balasubramaniam-Head, teamworking on quizbrain.com, a comprehensive knowledge and quiz vertical, an affiliate of Indiainfo.com



Author: Kamlesh N Agarwala, Deeksha Agarwala

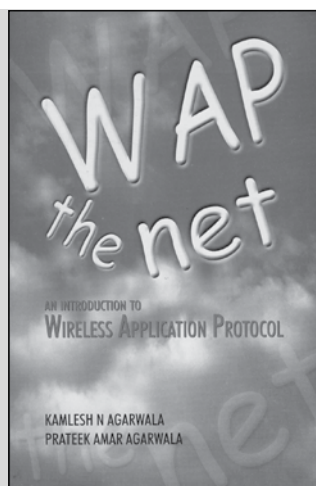
ISBN: 978-0333-93537-8 | PB
Pages: 290 | Price: ₹ 199.00
Rights: World

About the Book

This book uncovers the chain of disasters hitting servers, PCs, and the infrastructure of the web. New viruses keep appearing and the ever-widening spread of the internet is helping to proliferate these viruses. The book dispels certain myths about viruses to help utilize the benefits of the internet without running the risk of viruses.

Contents

Computing Environment and Evolution of Viruses • In the Shadow • Does a Computer System Host a Virus? • Computer Viruses: What are They? • Traditional Viruses • How Do Computer Viruses Spread? • How to Safeguard Your System? • The New Generation Viruses: Macro Viruses • Computer Viruses: Fibs and Facts • Computer Virus Hoaxes and Urban Legend • Appendices • Abbreviations • Glossary • References • Index



Author: Kamlesh N Agarwala, Prateek A Agarwala

ISBN: 978-0333-93642-9 | PB
Pages: 416 | Price: ₹ 299.00
Rights: World

About the Book

Wireless Applications Protocol (WAP) is the enabler, which integrated wireless communication technology with Internet communication technology to evolve wireless-internet. This book is the first attempt to understand and simplify technology mumbo-jumbo and get straight to the point – what is in it for me?

Contents

WAP: Global Growth Projection • WAPplications • Location-Based WAPplications • Location-Independent WAPplications • Business WAPplications • To WAP or not to WAP: Unresolved Issues • WAPvision • Internet, World Wide Web and Wireless-Internet • How WAP works? • WAP Environment: Security • WAP and Financial Transactions • Appendices • Glossary • Acronym • Bibliography • Index

BASIC Programming

Author: S Sampath, S K Wasan

ISBN: 978-0333-90959-1 | PB

Pages: 200 | Price: ₹ 118.00

dBase III+: A Guide and Workbook

Author: E Balagurusamy, M L Saikumar, M S Sarma

ISBN: 978-0333-92929-2 | PB

Pages: 352 | Price: ₹ 195.00

Innovation and Advances in Communications, Information and Network Security

Author: Garg

ISBN: 978-1403-93162-9

Price: ₹ 600.00

Bridging Digital Divide

Authors: Rajendar K Garg, Mahadeo Jaiswal

ISBN: 978-0230-63035-2 | PB

Pages: 284 | Price: ₹ 799.00

Digital Electronics

Authors: Digital Electronics

ISBN: 978-0333-92659-8 | PB

Pages: 312 | Price: ₹ 198.00

Innovation in Information and Communication Technology

Author: Ranjan et al

ISBN: 978-1403-93163-0

Price: ₹ 900.00

COBOL Programming: A Self Study Text

Author: E Balagurusamy

ISBN: 978-0333-90977-5 | PB

Pages: 500 | Price: ₹ 260.00

Fourth Innovative Conference on Embedded Systems, Mobile Communication and Computing

Author: Suthikshn Kumar

ISBN: 978-0230-63910-2 | HB

Pages: 296 | Price: ₹ 990.00

Innovations and Advances in Computer Science and Engineering

Author: Garg

ISBN: 978-1403-93163-1

Price: ₹ 750.00

Computer Communication, Control and Information Technology

Authors: Santu Sarkar, Prasenjit Das

ISBN: 978-0230-63759-7 | PB

Pages: 780 | Price: ₹ 3,000.00

Information Technology in Agriculture

Authors: V C Patil, Seishi Ninomiya

ISBN: 978-1403-93162-7 | HB

Pages: 862 | Price: ₹ 3,600.00

Innovations and Advances in Data Management

Author: Maj. Garg

ISBN: 978-1403-93163-2

Price: ₹ 750.00

Computer Oriented Statistical and Numerical Methods

Author: E Balagurusamy

ISBN: 978-0333-90960-7 | PB

Pages: 264 | Price: ₹ 228.00

Infrastructure for Information Technology

Author: Maj. Ravindranath

ISBN: 978-1403-93162-8

Price: ₹ 295.00

International Conference on Contemporary Computing

Author: Bindu

ISBN: 978-1403-93163-3

Price: ₹ 960.00

Medicinal Informatics & Telemedicine - Recent Advances

Author: Sural
ISBN: 978-1403-93163-4
Price: ₹ 600.00

Natural Language Processing (ICON 2009)

Author: Sharma
ISBN: 978-1403-93163-9
Price: ₹ 950.00

Programming with Structured COBOL

Author: Grover
ISBN: 978-1403-93164-4
Price: ₹ 176.00

Methods and Models in Computing (NCM2C)

Authors: Vidyarthi
ISBN: 978-1403-93163-5
Price: ₹ 750.00

Natural Language Processing (ICON 2010)

Authors: Sharma
ISBN: 978-1403-93164-0
Price: ₹ 900.00

Research & Development in Hardware & Systems

Author: Mukherjee
ISBN: 978-1403-93164-5
Price: ₹ 750.00

Microprocessor Based System Design

Author: Ghoshal
ISBN: 978-1403931636
Price: ₹ 240.00

Network Security

Author: Venkatachalam
ISBN: 978-1403-93164-1
Price: ₹ 15,00.00

Trends in VSLI & Embedded Systems

Author: Syal
ISBN: 978-1403-93164-6
Price: ₹ 1100.00

Natural Language Processing

Authors: Darbari et al
ISBN: 978-1403-93163-7
Price: ₹ 750.00

Office Automation

Authors: Bajaj
ISBN: 978-1403-93164-2
Price: ₹ 275.00

Web Engineering and Applications (ICWA 2006)

Author: Mishra
ISBN: 978-1403-93164-7
Price: ₹ 750.00

Natural Language Processing (ICON 2007)

Author: Bendre
ISBN: 978-1403-93163-8
Price: ₹ 450.00

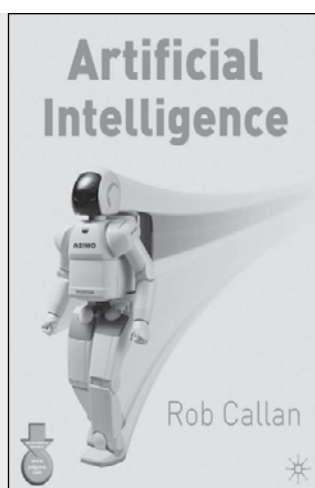
Proceedings of the International Conference on Advanced Computing (ICAC-09)

Author: Maj. Ganapathy
ISBN: 978-1403-93164-3
Price: ₹ 2100.00

Wordstar: A Guide and Workbook

Author: Balagurusamy et al.
ISBN: 978-1403-93164-8
Price: ₹ 110.00

Computer Science Titles from Palgrave



Author: Callan

ISBN: 978-0230-00238-8

Price: ₹ 525

Rights: World

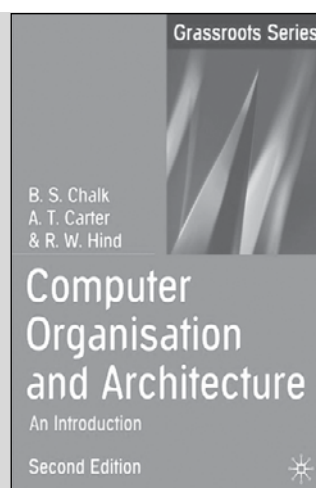
About the Book

This project is a modern introduction to AI suitable for both students and those wishing to gain a practical understanding of AI for use in their work. It describes the background history to AI, clarifies what the goals of AI are, and assesses current technology.

There has been significant growth in real-world applications in recent years, e.g. detection of credit card fraud, building robots for industrial tasks and entertainment, securing networks from hackers, making characters in computer games behave more human like. This book introduces the techniques used in these real-world applications.

Contents

Preface
 PART ONE: INTRODUCTION
 Introduction
 PART TWO: LOGIC AND SEARCH
 Logic
 Search
 Automating Logical Reasoning
 PART THREE: UNCERTAINTY
 Bayesian Networks I
 Bayesian Networks II
 Other Approaches to Uncertainty
 PART FOUR: DECIDING ON ACTIONS
 Decision Networks
 Planning I
 Planning II
 PART FIVE: LEARNING
 Introduction to Learning
 Decision Tree Learning
 Inductive Logic Programming
 Reinforcement Learning
 Neural Networks I
 Neural Networks II
 Genetic Algorithms



Author: Chalk

ISBN: 978-0230002371

Price: ₹ 525

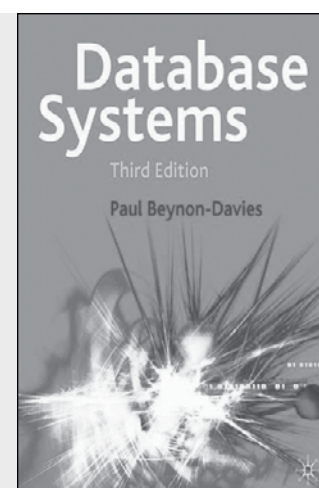
Rights: World

About the Book

This book describes how a computer works and explains how the various hardware components are organized and interconnected to provide a platform upon which programs can be executed. It takes a simple, step-by-step approach suitable for first year undergraduates coming to the subject for the first time. The second edition of this book has been thoroughly updated to cover new developments in the field and includes new diagrams and end-of-chapter exercises. It will also be accompanied by a lecturer and student web site which will contain solutions to exercises, further exercises, PowerPoint slides and all the source code used in the book.

Contents

Preface
 Introduction
 Data Representation and Computer Arithmetic
 Digital Logic Circuits
 Fetching and Executing Instructions
 The Intel Processor
 Primary Memory
 Secondary Memory
 Input-Output
 Operating Systems
 Reduced Instruction Set Computers
 Communications Architecture
 Parallel Architecture
 Appendices
 Index



Author: Davies

ISBN: 978-0230226937

Price: £ 11.99

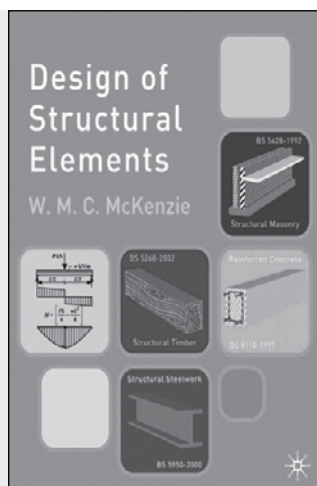
Rights: World

About the Book

Most modern-day organizations have a need to record data relevant to their everyday activities and many choose to organise and store some of this information in an electronic database. Database Systems provides an essential introduction to modern database technology and the development of database systems. This new edition has been fully updated to include new developments in the field, and features new chapters on: e-business, database development process, requirements for databases, and distributed processing. In addition, a wealth of new examples and exercises have been added to each chapter to make the book more practically useful to students, and full lecturer support will be available online.

Contents

Preface to the Third Edition
 PART I: FUNDAMENTALS
 PART II: DATA MODELS
 PART III: DATABASE MANAGEMENT SYSTEMS (DBMS) - INTERFACE
 PART IV: DATABASE DEVELOPMENT
 PART V: PLANNING AND ADMINISTRATION OF DATABASE SYSTEMS
 PART VI: DATABASE MANAGEMENT SYSTEMS (DBMS) - TOOLKIT
 PART VII: DATABASE MANAGEMENT SYSTEMS - KERNEL
 PART VIII: DATABASE MANAGEMENT SYSTEMS - STANDARDS AND COMMERCIAL SYSTEMS
 PART IX: TRENDS IN DATABASE TECHNOLOGY
 PART X: APPLICATIONS OF DATABASE SYSTEMS
 Glossary and Index



Author: Mckenzie

ISBN: 978-0230-57427-4

Price: £9.99

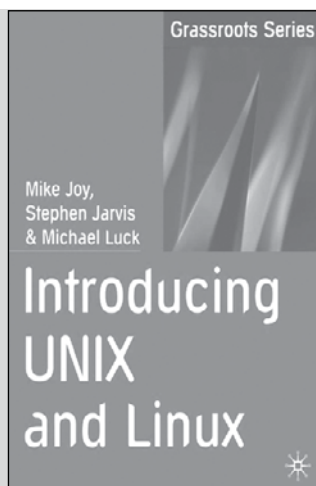
Rights: World

About the Book

A comprehensive treatment of the design of structural elements, suitable for first and second year undergraduates on civil engineering or structural engineering courses, and a useful reference tool for related disciplines like architectural or building courses which require a knowledge of all the principal design materials. This book provides a detailed study of the process of design for structural elements, to the current British standards, in all four building materials: timber, masonry, concrete and steel. The scope of this text is wider than any existing text of this type and its numerous examples and diagrams make it an ideal course text.

Contents

Preface
SECTION I Structural Analysis Techniques
Design Philosophies Structural Loading
Structural Instability, Overall Stability and Robustness
SECTION II Reinforced Concrete Elements
SECTION III Structural Steelwork Elements
SECTION IV Structural Timber Elements
SECTION V Structural Masonry Elements
SECTION VI Appendix 1: Greek Alphabet, SI Prefixes, Coefficients of Friction and Typical Material Properties
Appendix 2: Properties of Geometric Figures
Appendix 3: Beam Reactions, Bending Moments and Deflections
Appendix 4: Continuous Beam Coefficients
Appendix 5: Self-weights of Construction Materials
Appendix 6: Reinforcement Bar Cross-sectional Areas
Appendix 7: Black-bolt and H.S.F.G. - Bolt Data
Bibliography
Index



Author: Joy

ISBN: 978-0230-55528-0

Price: £7.99

Rights: World

About the Book

An introductory, tutorial style text covering the basics of UNIX and Linux for the complete beginner, this is a comprehensive and well written introduction to these operating systems. It assumes no prior knowledge of programming nor any experience of using computers. UNIX and Linux are two of the most commonly used operating systems within the educational and corporate worlds and are growing in popularity. This book covers all the basic constructs and commands of UNIX and follows the 1993 POSIX.2 International Standard.

Contents

Preface
The Computing Environment
UNIX and Linux Design and Organisation
Installing Linux
Getting Started
Files
Processes and Devices
Introduction to Shells
More on Shells
Advanced Shell Programming
Regular Expressions and Filters
Awk
Perl
Maintaining your Linux OS
Other Issues
Answers to Problems
Appendices
Index

Program Design Using Jsp 2/e

Author: King

ISBN: 978-1403-99415-8

Price: ₹ 595.00

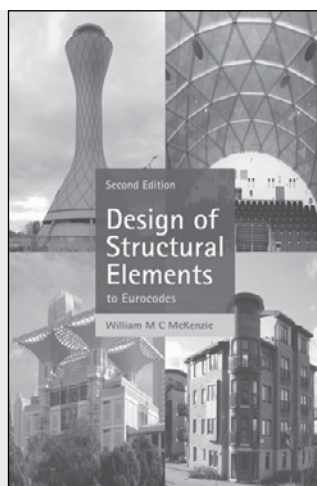
Rights: World

About the Book

This volume provides a practical course for programmers and students on degree and diploma courses who want to understand and apply Jackson Structured Programming (JSP). Additional diagrams have been included in this reset edition as an aid to the production of data structures in both the examples and solutions to exercises. Four case studies are included, with solutions for the case studies as well as the exercises in the appendices. A testing method appropriate to JSP is described in detail in chapter 13. Annotated sketches of sample data are used as an aid to the production of data structures.

Contents

Preface - Acknowledgements - The Importance of Program Design - Data Structures - Data Structures for Particular Problems - Program Structures - Elementary Program Operations and Conditions - Schematic Logic - Implementation in a High Level Programming Language - More than One Input File - Structure Clashes and Inversion - Recognition Problems and Backtracking - Procedurisation - Interactive Systems - Testing, Documentation and Program Amendment - Appendices: Solutions to Exercises, Case Studies, Solutions to Case Studies, Complete Programs for the Inversion Example - Index



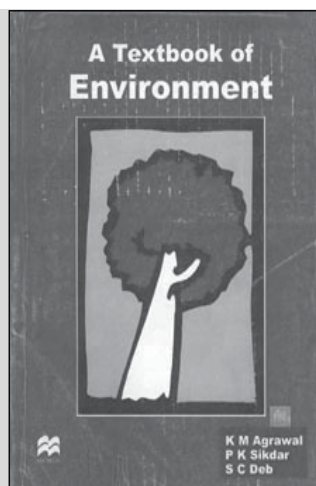
Author: Mckenzie
ISBN: 978-02305-7427-4 | PB
Pages: 704 | **Price:** £ 9.99
Rights: World

About the Book

A detailed study of the process of design for structural elements, updated comprehensively for the new Eurocodes in all four building materials: concrete, steel, timber and masonry. The scope of this text is wide, and its numerous examples, practical problems and easy-to-follow diagrams make it an ideal course text.

Contents

Preface
 PART I Structural Analysis Techniques
 Design Philosophies Structural Loading
 Structural Instability, Overall Stability and Robustness
 PART II Reinforced Concrete Elements
 PART III Structural Steelwork Elements
 PART IV Structural Timber Elements
 PART V Structural Masonry Elements
 PART VI
 Appendix 1: Greek Alphabet, SI Prefixes, Coefficients of Friction and Typical Material Properties
 Appendix 2: Properties of Geometric Figures
 Appendix 3: Beam Reactions, Bending Moments and Deflections
 Appendix 4: Continuous Beam Coefficients
 Appendix 5: Self-weights of Construction Materials
 Appendix 6: Reinforcement Bar Cross-sectional Areas
 Appendix 7: Black-bolt and H.S.F.G. - Bolt Data
 Bibliography
 Index



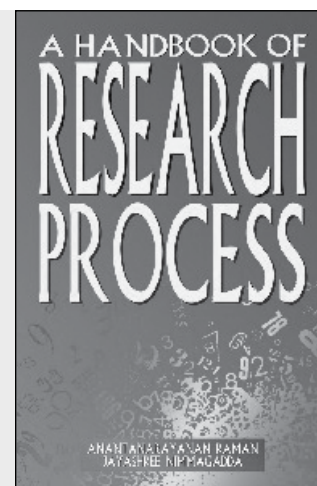
Author: K M Agrawal, P K Sikdar, S C Deb
ISBN: 978-0333-93747-1 | PB
Pages: 464 | **Price:** ₹ 285
Rights: World

About the Book

This textbook on environment examines the critical environmental issues that affect modern life and effective ways to protect the environment. Developed for undergraduate students of Indian universities.

Contents

Fundamentals of Environment • Nature and Natural Resources • Ecology and Ecosystem • Population and Environment • Land Resources • Water Resources • Air Resources • Energy Resources • Waste Management • Environment and Public Health • Environmental Policies and Laws • Human Rights and Environment • References • Index



Author: Anantanarayanan Raman, Jayashree Nimmagadda
ISBN: 978-1403-92968-6 | PB
Pages: 188 | **Price:** ₹ 240
Rights: World

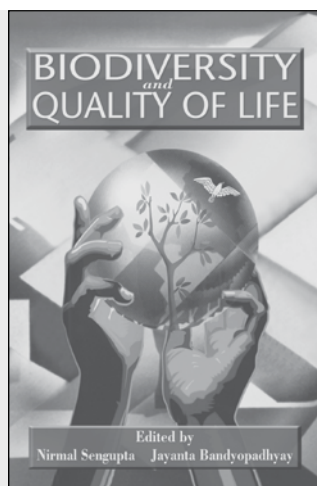
About the Book

This handbook offers a comprehensive checklist of what needs to be done in any research activity. Research, whether undertaken to obtain a degree or to fulfil work requirements, entails a process. For the process to be professional, it should reflect and radiate quality and thoroughness in graceful style. To achieve that element of professionalism, this handbook offers a number of steps and tips.

Beginning with the most basic question, 'what is research?' this handbook leads you through a personal and interactive mode of answering several other questions that can arise in your mind while being involved in the research activity. In this book, major emphasis has been laid on presentation skills; however, some of the fundamental issues in the broad domain of research have also been discussed.

Contents

Anantanarayanan Raman, PhD, DSc, is currently working as a Senior Lecturer at the University of Sydney, Orange, New South Wales, Australia. Earlier, from 1971 to 1996, he taught at Loyola College, University of Madras, Chennai. In 1990, he was awarded the prestigious Fulbright fellowship to work at Bucknell University, Pennsylvania, USA. Dr Raman worked at Universität Heidelberg, Germany as a Deutscher Akademischer Austausch Dienst (DAAD) scholar in 1991 and as a Visiting Professor in 2000. He has published more than 120 research papers in prestigious journals and conference papers, and has edited/authored 8 books.



Author: Nirmal Sengupta, Jayanta Bandyopadhyay

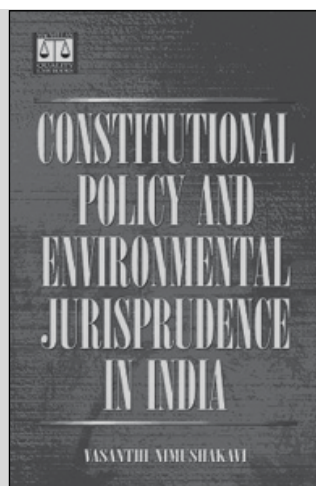
ISBN: 978-1403-92744-6 | **HB**
Pages: 368 | **Price:** ₹ 850.00
Rights: World

About the Book

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Contents

Foreword • Preface • Acknowledgements
 • List of Contributors • Part I OVERVIEW
 • Conservation and the Future: Trends and Options Toward the Year 2025 • The Role of Ecosystems in Sustainable Development
 • The Economics of the Environment: Lessons from Ecology • Economics of Indigenous/Traditional Knowledge about Biodiversity • Weaknesses of Existing Datasets on Mountain Ecosystems – Evidences from Natural Terrestrial Ecosystems in the Himalaya • A National Plan Process, Built from Below: The National Biodiversity Strategy and Action Plan, India • Part II METHODOLOGY • Linking Biodiversity with Quality of Life: Issues of Assessment, Resilience and Model Integration • Economic Impact of Ecosystem Degradation and Options for Sustainable Resource Management: The Case of Cochin Estuarine Fishery, Kerala • Evaluating Economic Sustainability of Urban and Peri-Urban Waterbodies: A Case Study from Kolkata Ponds • Loktak Lake: Its Biodiversity and the Lake People • Causes of Fish Depletion: A Factor Analysis Approach • Sustainable Livelihoods and Resource Management Strategies in Kenya: The Role of Seasonal Migration and Non-Farm Activities • Organic Farming in North-East Hill Region in India • Ecological and Economic Aspects of Biodiversity Conservation in a Protected Area, India • Part III MODELS • Forest Biodiversity and Timber Extraction: An Analysis of the Interaction of Market and Non-market Mechanisms •



Author: Vasanthi Nimushakavi

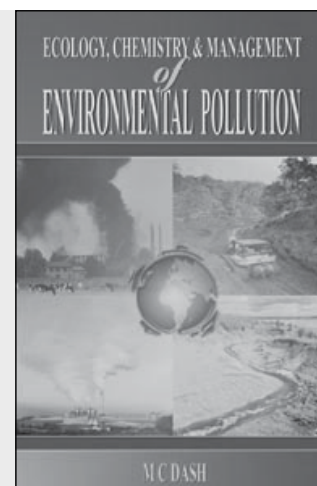
ISBN: 978-1403-92986-0 | **PB**
Pages: 256 | **Price:** ₹ 190.00
Rights: World

About the Book

This book the interconnection between environmental law, international law and constitutional law in India. In the process, the contribution of the Supreme Court of India in developing the principles of environmental law has been dealt with comprehensively. The influence of new social movements on the constitutional law and the influence of international environment developments on the interpretation of the Constitution have also been studied. The concept of sustainable development and its impact on constitutional law, a case study reflecting the use of principles of sustainable development in the management of scarce resources like water, have been examined. The book covers relevant aspects of the course curriculum in environmental law. The inclusion and detailed discussion of several judgements of the Supreme Court on the interpretations of the Constitution of India makes this an ideal handbook on constitutional law.

Contents

Preface • Acknowledgements • Table of Cases • List of Statutes • Introduction • Impact of International Environmental Law on Constitutional Policy • Principles of Sustainable Development • Constitutional Policy in Environmental Law (Theoretical aspects) • Supreme Court and the Development of Principles of Environmental Law • Groundwater Policy: Sustainable Development and Access to Basic Resources • Environmental Jurisprudence and Future Policy • Bibliography • Index



Author: M C Dash

ISBN: 978-1403-92364-6 | **PB**
Pages: 334 | **Price:** ₹ 245.00
Rights: World

About the Book

This updated and comprehensive text deals with various facets and dimensions of environmental pollution. Following an integrated and interdisciplinary approach, the book covers not only the ecological, social and chemical aspects of pollution but also environmental laws and management aspects of this important field. The text is designed to cater to needs of undergraduate (honours) and postgraduate curricula of natural sciences with components of environmental science and management. An ideal single-source text and reference for college and university students, as well as industrial houses and technical institutes.

Contents

Environmental Complex and Pollution Stress
 • Air Pollution • Water Pollution • Industrial Pollution • Solid Waste Pollution • Hazardous Wastes and Toxic Chemicals Pollution • Environmental Toxicology • Other Pollution
 • Provisions in the Indian Constitution, Environmental Laws and Pollution Control • Environmental Management • Bibliography • Index



Author: P C Mishra, R C Das
ISBN: 978-0333-93640-5 | xB
Pages: 158 | **Price:** ₹ 85.00
Rights: World

About the Book

This book has been written to meet the requirements of undergraduate students of humanities and commerce disciplines. An effort has been made to simplify complex scientific concepts and sensitize students towards social and economic issues.

Contents

Basic Concepts • Environmental Problems (Pollution) • Human Population Growth • Environment and Society • Communicable Diseases • Environmental Laws • Environmental Planning and Management • Glossary



Author: S N Chary
ISBN: 978-0230-63531-9 | PB
Pages: 372 | **Price:** ₹ 278
Rights: World

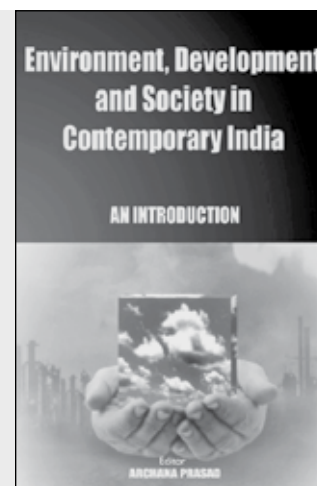
About the Book

Environmental Studies is a comprehensive book providing the essence of concepts, issues and happenings pertaining to the environment. An attempt has been made to present the global subject of environment and ecology in the local Indian context with ample examples and reported cases taken from India. The concerns and perceptions of a fast-developing economy like India are indeed different from that of the already developed parts of the world. The book has struck a good balance between the global and the local issues and concerns without compromising on the vitals of the environment.

The book has been written according to the UGC recommended syllabus for a mandatory course on Environmental Studies for all undergraduate students in view. However, the book would also prove useful for all environment-conscious readers who would like to know the fundamentals of environmental aspects. faced by us today.

Contents

1. The Multidisciplinary Nature of Environmental Studies
2. Ecological Concepts
3. Natural Resources - I
4. Natural Resources - II
5. Biodiversity
6. Major Biomes of the World
7. Environmental Pollution
8. Social Issues and the Environment
9. Human Population and the Environment
10. Fieldwork



Author: Archana Prasad
ISBN: 978-0230-63530-2 | PB
Pages: 438 | **Price:** ₹ 295
Rights: World

About the Book

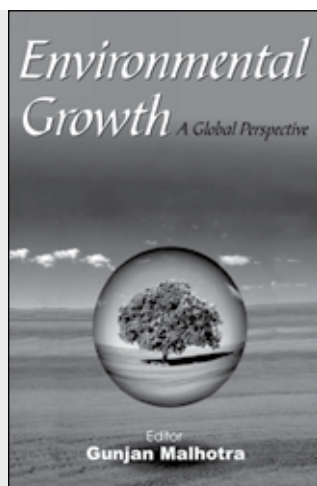
Environment, Development and Society in Contemporary India: An Introduction provides basic readings in the current debate on environment and development and its impact on people and society. It can be used by teachers and students at, both the undergraduate and postgraduate level to get a basic understanding on issues of burning importance in the contemporary Indian context. The book will also be useful as a reference material to NGOs, research institutes and policy makers.

The themes covered in this book are:

- Environmental history (particularly concentrating on the modern period), water conflicts and policies, Green Revolution debate, forest, wildlife and people, pollution, industrial ecology, nuclear safety, environmental movements, sustainable development, climate change and ecological debt.
- This is the first book, which offers a wide range of progressive perspectives on environment and development, and its impact on the society, for example privatisation of water and its impact on the water-dependent population.

Contents

- Part One: General Introduction
 Part Two: Ecology And Environment In Indian History
 Part Three: Modern Development And Environment In Contemporary India
 Part Four: Global Environment Issues



Author: Gunjan Malhotra

ISBN: 978-0230-63683-5 | PB

Pages: 372 | Price: ₹ 495.00

Rights: World

About the Book

Environmental Growth: A Global Perspective is a compilation of selected papers presented in the conference held by the International Society of Ecological Economics, (ISEE) held during 15-18 December 2006 in New Delhi, India.

This volume, consisting of 25 articles, attempts to explain the interrelationship between economic growth of developed and the developing countries and the environmental quality.

All these articles highlight the environmental destructions of unplanned growth. The environmental policy makers thus must be aware of the relationship between economic and environmental issues in order to offer policy initiatives that can increase efficiency and improve equality.



Author: M C Dash, P C Mishra

ISBN: 978-0333-93669-6 | PB

Pages: 302 | Price: ₹ 165.00

Rights: World

About the Book

This book provides thorough and in-depth details about the principles of environmental science, the causes and effects of pollution and measures to tackle it.

It has been written to meet the requirements of undergraduate students in Indian universities

Contents

Introduction: Basic Concepts • Natural Processes • Hydrosphere and Water Pollution • Atmosphere and Air Pollution • Lithosphere and Soil Pollution • Energy Resources • Public Health • Environment, Law and Society • Question Bank • Glossary



Author: U K Chakrabarty

ISBN: 9780230328884 | PB

Pages: 408 | Price: ₹ 775.00

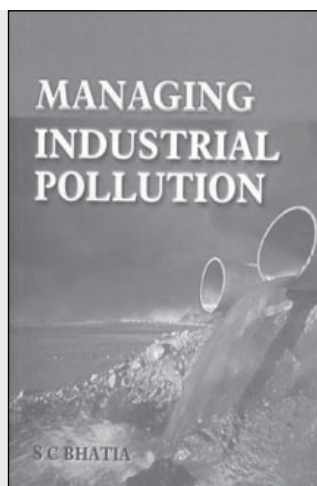
Rights: World

About the Book

Management Information System (MIS) is an integral part of modern day safety management functions and requires the same degree of thought and attention as the other management aspects. The system must be dynamic, evolving and continually improving, which can be made possible through effective monitoring of Safety Management System (SMS) by auditing and inspection. Simple compliance with prescriptive legislation will no longer be an acceptable policy. Any MIS would have to be designed to be practical and 'user friendly', such that it will promote a 'Safety Culture' in an efficient and effective manner. Management Information System for Industrial Safety Health and Environment contains in-depth discussions on MIS aspects with respect to safety management activities including Hazard and Risk Management, Safety Education and Training, Work-environment Monitoring, Safety Performance Monitoring and Reporting, Gap Analysis and Continual Improvement. Appendices have been added in the book for additional information, besides practice checklists and formats, which will come handy for the students, practicing HSE professionals and managers.

Contents

Preface • Acknowledgement • Introduction • Process Safety Management • Hazard and Risk Management • Accident/Incident Management • Inspection and Auditing • Safety Education and Training • Work Environment Monitoring • Hazard and Risk Communication • Emergency Response Management • Employee Perception Survey and Behavioural Safety • Chemical Hazard Management • Health and Hygiene Management •



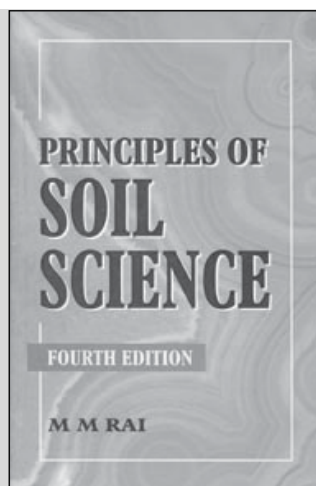
Author: S C Bhatia
ISBN: 978-1403-91091-2 | PB
Pages: 600 | **Price:** ₹ 375.00
Rights: World

About the Book

This book gives a detailed, in-depth and updated study of pollution management, intended primarily for the students of environmental science, chemical engineers, industrial chemists and researchers. The text has been reinforced throughout by diagrams, figures and tables and is interspersed with the case studies, examples, exercises and summaries. A chapter on the Role of Biotechnology in Managing Industrial Pollution is an important feature of this book.

Contents

Managing the Environment – Some Issues
 • Environmental Management System
 • Organizing and Planning a Pollution Control Department • Plant Operation and Training Personnel for Pollution Control • Environmental Legislation and Enforcement Mechanism • Pollution Control Decisions and PERT • Ecology and Environment • Performing a Pollution Prevention Assessment • Industrial Pollution
 • Management of Particulate Matter • Management of Gaseous Pollutants • Management of Industrial Waste Water • Management of Industrial Solid Wastes • Managing Nuclear Pollution and Radioactive Wastes • Managing Pollution Control in Chemical Process and Allied Industries
 • Managing Pollution in Metallurgical and Mining Industry • Miscellaneous Industries • Managing Noise Pollution • Managing Risks and Hazards • Role of Biotechnology in Managing Industrial Pollution • Monitoring and Control of Industrial Pollution • Role of Education and Training Towards Industrial Environmental Protection • Case Studies • Glossary • References • Index



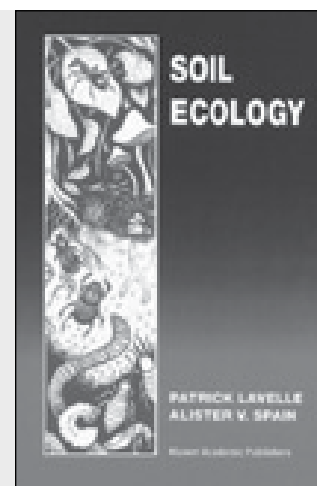
Author: M M Rai
ISBN: 978-0333-93475-3 | PB
Pages: 400 | **Price:** ₹ 245.00
Rights: World

About the Book

Brief yet thorough, this book provides an introduction to the concepts and theories of soil science. It explains in the simplest manner, the principles of soil formation, properties of soils, interrelationship between soil water, soil air, soil temperature and plant growth.

Contents

Soil Formation • Physical Properties of Soils
 • Soil Colloids • Soil Organic Matter • Soil Water and Plant Growth • Soil Aeration and Plant Growth • Soil Temperature and Plant Growth • Soil Reaction and Buffering of Soils
 • Cation and Anion Exchange • Saline and Alkali Soils • Acid Soils • Soil Classification and Soil Survey • Plant Nutrition • Fertilisers in Crop Production • Chemistry of Soil Nitrogen, Phosphorus and Potassium in Soils • Chemistry of Submerged Paddy Soils
 • Mechanical Analysis of Soils • Chemical Analysis of Soils • Soil Fertility Evaluation • Index **978-1403-92987-0**



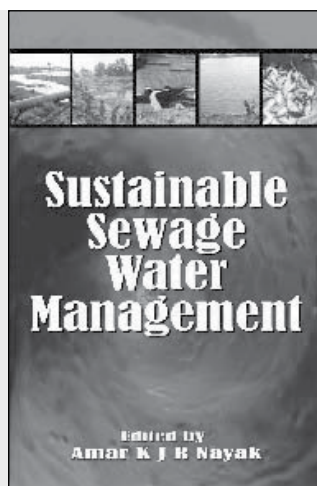
Author: Patrick Lavelle, Alister V Spain
ISBN: 978-8181-28720-5 | PB
Pages: 688 | **Price:** ₹ 585.00
Rights: World

About the Book

This book first synthesises in a complete, accessible way all the basic knowledge provided by the different disciplines of Soil Science. It then proposes integrative concepts and models that organise this knowledge, taking into account the multiple interactions that exist at a number of different scales among the living and inanimate components. This consideration of basic knowledge in a novel integrative approach is necessary to make significant progress in such critical issues as the improvement of the sustainability of soil and land use, the maintenance or restoration of soil quality, the understanding of the function and value of soil biodiversity, the role of soils in carbon sequestration, and the effects of global changes upon their function.

Contents

Acknowledgements
 Foreword
 Introduction
 Chapter I
 Internal Environment, Microclimate and Resources
 1. The Soil Environment
 Chapter II
 Soil Formation
 Chapter III
 Soil Organisms
 Chapter IV
 Functioning of the Soil Systems
 1. Decomposition
 2. The Litter System
 3. Rhizosphere
 4. The Drilosphere
 5. The Termitosphere



Author: Nayak

ISBN: 978-1403-93016-3 | HB

Pages: 140 | **Price:** ₹ 270.00

Rights: World

About the Book

This book provides the necessary information, knowledge and insights into various experiences of treatment and management of wastewater in the urban and semi-urban areas through the introduction of natural and low-cost methods. It covers comparative cost analyses of the various conventional sewage treatment methods, the biochemical processes involved in the duckweed-fish based treatment method and the engineering aspects of the treatment through the example of Project WATER. Successful community involvement and issues of sustainability in general, which are the other important aspects of the wastewater recycling and building the environment through institutions, have been amply described in the book. The contents of the book can be of immense help and interest to various civil societies, students, scholars, and public administration experts to improve their work in civil and urban governance.

Contents

List of Figures · List of Plates · List of Tables · List of Appendices · Foreword · Preface · Acknowledgements · List of Abbreviations · List of Contributors · Comparative Costing of Sewage Water Treatment Methods · Biochemical Process · Design and Engineering · Community Involvement · Project Sustenance Mechanism · Limitations and Directions for Future · Conclusion · Index



Author: Saumitra Mukherjee

ISBN: 978-1403-92235-9 | HB

Pages: 220 | **Price:** ₹ 295.00

Rights: World

About the Book

This book explores the environmental aspects of remote sensing. Satellite remote sensing is an evolving technology with a potential for contributing to studies of human dimensions of global environmental change. The human dimensions of global environment, involve biomass fuel consumption, land-use change and agricultural activities. An attempt has been made to provide a detailed understanding of utility of data in the light of the fundamental principles of Electromagnetic Energy. Targeted not only to the undergraduate and postgraduate students of Environmental Sciences, Geology, but also to professionals like civil engineers and scientist involved in satellite data interpretation.

Contents

Introduction to Remote Sensing · Physical Principles · Spectra of Environmental Components · Earth Resources and Environmental Satellites · Remote Sensing Applications in Atmosphere · Remote Sensing Applications in Oceans · Remote Sensing Applications on Land · Remote Sensing Applications in Geology and Topography · Remote Sensing Applications in Water Resources · Remote Sensing Applications in Cryosphere · Remote Sensing Applications in Defence Studies · Remote Sensing Applications in Private Sectors · References · Glossary · Index



Author: Narendra Modi

ISBN: 978-0230-33192-1 | PB

Pages: 236 | **Price:** ₹ 499.00

Rights: World

About the Book

There has been broad agreement over the fundamentals of Climate Change in mainstream scientific circles for some time now. Climate Change is attributed directly or indirectly to human activity that alters the composition of the global atmosphere. And its consequences for the world we live in will be disastrous, if left unchecked.

“Convenient Action- Gujarat’s Response to Challenges of Climate Change”, written by the Hon’ble Chief Minister of Gujarat, Shri Narendra Modi, is an illustrative book containing successful examples of the policy and programmatic initiatives for dealing with Climate Change which he has undertaken during the last few years in the State of Gujarat, India. The book explicitly documents the development philosophy that forms the core of his public policy and how it has contributed to both adaptation and mitigation of Climate Change.

Contents

From Water Riots to Water Security · Powerguda’s of Gujarat (Small is Beautiful) · Big is also Beautiful (The Sardar Sarovar Project) · Silenced river springs back to life (River Front) · In Search of better alternatives (Panam) · Reducing urban warming (BRTS & Flyovers) · Switchover to Gaseous Green (CNG) · Carbon credits Vs. Green Credits · Energy Reforms - Essential for Mitigation · The Eternal Power of Wind and Sun · Coastal sustainable livelihoods · (Green) Golden Jubilee Oaths · Capacity Building.

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Author: Bandopadhyay
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Authors: R Ramesh, M Anbu
ISBN: 978-0333-92281-1 | PB
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Authors: Palanisami et al
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Author: Late Krishnapada Ghosh, Anandamoy Manna
ISBN: 978-1403-92987-7 | PB
Pages: 360 | Price: ₹ 325.00

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Author: Dr K Palanisami, Dr B R Neupane, Dr M Thangarajan
ISBN: 978-0230-63493-0 | PB
Pages: 284 | Price: ₹ 750.00

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Author: Neupane
ISBN: 978-1403-92988-7
Price: ₹ 1,200.00

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Authors: V J Lovesun, P K Sen, Amalendu Sinha
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Authors: Palanisami et al
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Author: Sen
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Author: PG Dhar Chakrabarti, Sanjay Srivastava, Binod Shakya
ISBN: 978-0230-63889-1 | PB
Pages: 154 | Price: ₹ 1,350.00

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Author: P. K. Champati Ray
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Author: Vyas
ISBN: 978-1403-92989-0
Price: ₹ 750.00

Geoenvironment - Challenges Ahead

Author: G. M. Bhat, S. K. Pandita, Yudhbir Singh, Bashir Ahmad Lone
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Low Cost Technology for In-Situ Treatment of Ground Water

Author: Bandopadhyay
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Price: ₹ 450.00

Water Quality Research to Evaluate The Effects of Agricultural Conservation Practices Utilized in the United

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Authors: M. Imtiyaz, D.M. Denis, C.J. Wesley
ISBN: 978-0230-32955-3 | PB
Pages: 224 | Price: ₹ 900.00

Groundwater Management and Policies

Authors: Palanisami et al
ISBN: 978-1403-92988-1
Price: ₹ 295.00

Mitigation of Pollutants for Clean Environment

Author: Selvasekaranpandian
ISBN: 978-0230-63334-6 | HB
Pages: 654 | Price: ₹ 1,800.00

Disaster Risk Reduction for Safe Development - A Study of Corporate Practices in India

Author: Chakrabarti
ISBN: 978-1403-92989-2
Price: ₹ 775.00

Groundwater Quality and Environment

Author: Dr K Palanisami, Dr B R Neupane, Dr M Thangarajan
ISBN: 978-0230-63493-0 | PB
Pages: 284 | Price: ₹ 750.00

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Author: Neupane
ISBN: 978-1403-92988-7
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Geochemical Precursors For Earthquakes

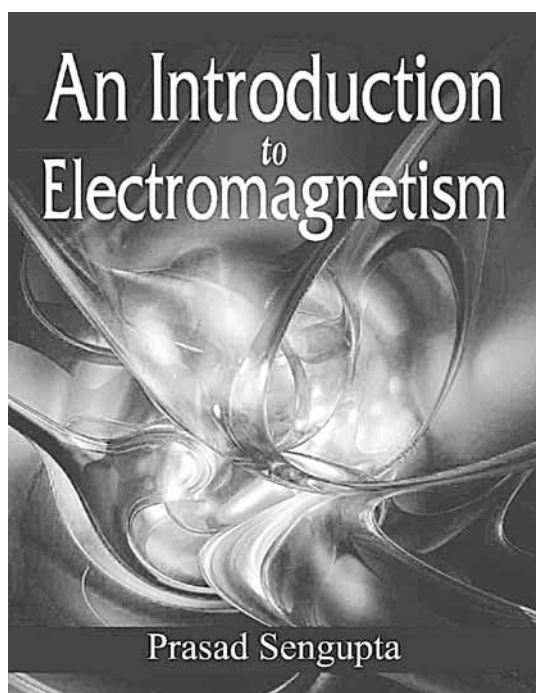
Author: Sen
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South Asia Disaster Report 2008

Author: P. K. Champati Ray
ISBN: 978-0230-63891-4 | PB
Pages: 224 | Price: ₹ 2,000.00



An Introduction to Electromagnetism

ISBN: 978-0230-32187-8

Pages: 168 | Price: ₹ 395.00 | PB

Rights : India



Author

PRASAD SENGUPTA

Dr. Prasad Sengupta joined the West Bengal Educational Service in 1976; served many government colleges in West Bengal, including Presidency College for the last sixteen years of his service, retiring in 2008.

About the Book

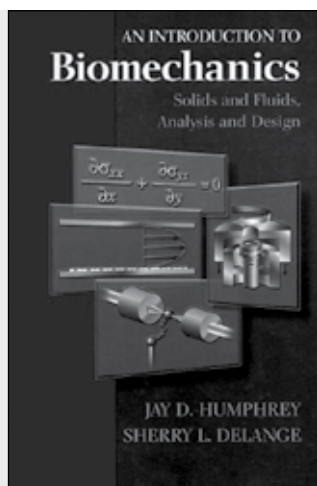
This book has been primarily designed for undergraduate students of physics; however a part of the book caters to the need of engineering students as well. Streamlined to the essential topics, each point has been presented with the utmost lucidity, making learning easier, even on occasions when a learner has to help himself. A scientific planning of Parts and Chapters is likely to help students and teachers both.

Problems given in the book are well-chosen. The solved problems highlight the true significance of the text material, while problems given as Exercise are so selected that even the 'problem-shy' students can hope to work out a good number of them.

An important feature of this book is the Addendum, which reveals the role of the Theory of Relativity in electromagnetism to the reader who is going to be initiated to this discipline for the first time. Such a lucid primer is very helpful for those who aspire to step into the higher physics.

Contents

Part One Electrostatics: Prefatory Note • Electric Field and Coulomb's Law • Electrostatic Potential • The Dirac Delta: A Primer • Electric Multipoles • Energy Consideration • Electrostatics in Dielectrics • Energy and Force Considerations • Part Two Magnetostatics: Prefatory Note • Magnetic Fields in Vacuum • Magnetic Field in a Material • Part Three Electromagnetism Induction: Prefatory Note • Basic Principles • D.C. Transients • Basics of Alternating Currents • Alternating Currents (contd.) • Part Four Maxwell's Theory: Prefatory Note • Maxwell's Equations • Reflection and Refraction of Electromagnetic Waves • Guided Waves • Radiation, Scattering and Dispersion • Index
Anatomy of Brain • Base of the Brain • Cerebral Hemisphere • White Matter of Cerebral Hemisphere • Diencephalon • Basal Nuclei (Basal Ganglia) of Cerebral Hemisphere • Brain Stem & Cerebellum • Ventricles of the Brain and Fluid • Spinal Cord • Tracts of the Brain
Sectional Anatomy of Brain • Radiological Anatomy of Brain & Spinal Cord • Appendix



Author: Jay D Humphrey, Sherry L Delange

ISBN: 978-8181-28719-9 | PB

Pages: 648 | Price: ₹ 885.00

Rights: World

About the Book

Designed to meet the needs of undergraduate students, "Introduction to Biomechanics" takes the fresh approach of combining the viewpoints of both a well-respected teacher and a successful student. With an eye toward practicality without loss of depth of instruction, this book seeks to explain the fundamental concepts of biomechanics. With the accompanying web site providing models, sample problems, review questions and more, Introduction to Biomechanics provides students with the full range of instructional material for this complex and dynamic field.

Contents

Part I

Background

1. Introduction

Part II Biosolid Mechanics

2. Stress, strain, and constitutive relations

3. Equilibrium, Universal Solutions and Inflation

4. Extension and torsion

5. Beam Bending and columns Buckling

6. Some nonlinear problems

Part III Biofluid Mechanics

7. Stress, Motion and Constitutive Relations

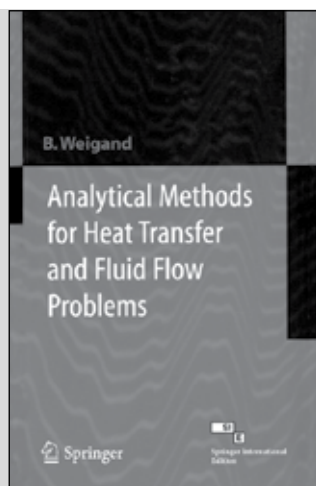
8. Fundamental Balance Relations

9. Some Exact Solutions

10. Control Volume and Semi-empirical Methods

11. Coupled Solid-Fluid Problem

12. Epilogue



Author: B. Weigand

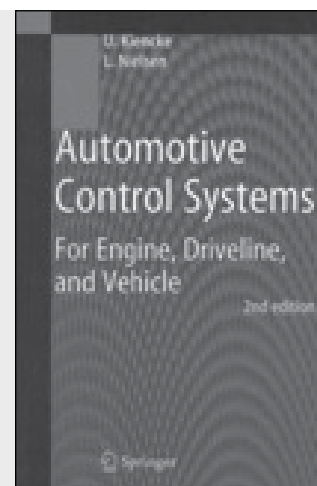
ISBN: 978-8184-89040-2 | PB

Pages: 380 | Price: ₹ 365.00

Rights: World

About the Book

Although the solution of Partial Differential Equation by numerical methods is the standard practice in industries, analytical methods are still important for the critical assessment of results derived from advanced computer simulations and the improvement of the underlying numerical techniques. Literature devoted to analytical methods, however, often focuses only on theoretical and mathematical aspects and is therefore not helpful to most engineers. Analytical Methods for Heat Transfer and Fluid Flow Problems addresses engineers and engineering students. It describes useful analytical methods by applying them to real-world problems rather than solving the usual over-simplified classroom problems. The book demonstrates the applicability of analytical methods even for complex problems and guides the reader to a more intuitive understanding of approaches and solutions.



Author: U Kiencke, Nielsen L

ISBN: 978-8181-28722-9 | PB

Pages: 530 | Price: ₹ 495.00

Rights: World

About the Book

Advances in automotive control systems continue to enhance safety and comfort and to reduce fuel consumption and emissions. Reflecting the trend to optimization through integrative approaches for engine, driveline, and vehicle control, this valuable book enables control engineers to understand engine and vehicle models necessary for controller design, and also introduces mechanical engineers to vehicle-specific signal processing and automatic control. The emphasis on measurement, comparisons between performance and modeling, and realistic examples derive from the authors' unique industrial experience (e.g. Bosch) and interactions within IFAC and SAE. The second edition offers new or expanded topics such as diesel-engine modeling, diagnosis and anti-jerking control, and vehicle modeling and parameter estimation. The book addresses professional engineers as well as students. With only a few exceptions, the approaches are close to those utilized in actual vehicles, rather than being theoretical constructs.

Contents

1. Introduction

2. Thermodynamics Engine Cycles

3. Engine Management Systems

4. Diesel Engine Modeling

5. Engine Control Systems

6. Diagnosis

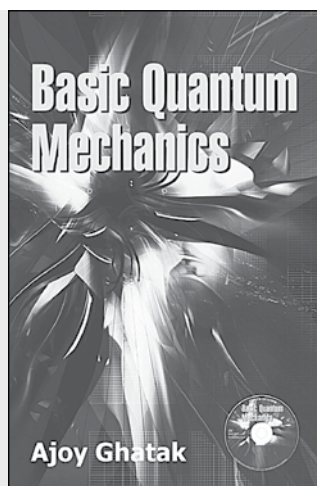
7. Driveline Control

8. Vehicle Modelling

9. Vehicle Parameters and States

10. Vehicle Control Systems

11. Road and Driver Models



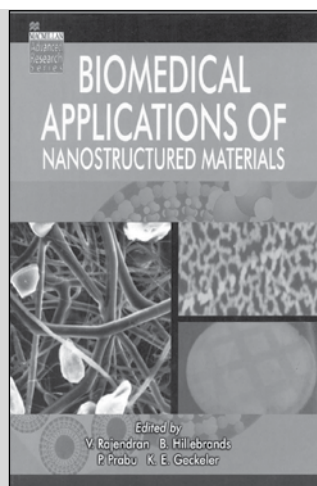
Author: Ajoy Ghatak
ISBN: 978-0230-63916-4 | PB
Pages: 332 | **Price:** ₹ 295.00
Rights: World

About the Book

This undergraduate textbook attempts to present the basic concepts in quantum mechanics with emphasis on application in areas like atomic and molecular spectroscopy, quantum well structures, nuclear physics, astrophysics, solid state physics, etc. It begins with a brief historical introduction to quantum mechanics. This is followed by discussions on wave-particle duality and the uncertainty principles, the Schrodinger equation and its solutions. Chapters have also been devoted to the angular momentum problem, the hydrogen atom problem, the spin half problem and the Stern-Gerlach experiment, the fine structure in one electron atoms and in alkali atoms, the Zeeman effect, the Paschen Back effect and the double well problem. This is followed by a discussion of the matrix method, which has been used to solve the multiple quantum well problem and the multiple barrier problem. The book concludes with solutions to typical continuously varying potentials.

Contents

Introduction • Particles & Waves and the Uncertainty Principle • Time-Dependent Schrödinger Equation • The Free Particle Problem • The Time-Independent Schrödinger Equation: Some General Theorems and Continuity Conditions • Some Exact Solutions of the One-Dimensional Schrödinger Equation: The One-Dimensional Infinitely Deep Potential Well and the Finite Well • Particle in a Three-Dimensional Box • The Linear Harmonic Oscillator • Understanding the Concept of Eigenvalues • One-Dimensional Barrier Transmission Problems • Tunnelling Calculations and Applications • Angular Momentum and the Spherical Harmonics •



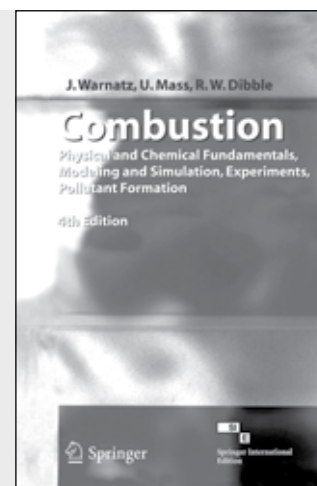
Author: V Rajendran, B. Hillebrands, P. Periasamy, K. E. Geckeler
ISBN: 978-0230-33201-0 | HB
Pages: 504 | **Price:** ₹ 750.00
Rights: World

About the Book

Deals with the role of Bio on the 'nano' and vice versa. The first part deals with the development of nanoparticles using biological system while the second part deals with the use of nanoparticles for biomedical applications. The developed nano structures/system are used effectively to test for their respective biological/biomedical applications.

Contents

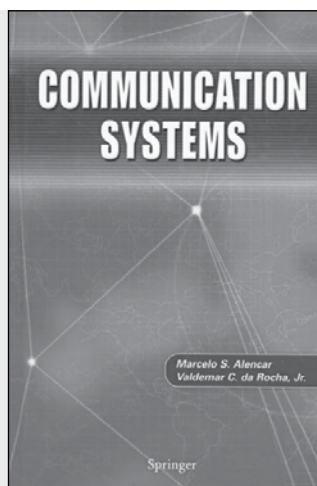
About The Author V Rajendran, FUSI, FASI, FInstP, is the Director, Research and Development, KSR Group of Institutions and Centre for Nano Science and Technology (CNST), K S Rangasamy College of Technology, Tamil Nadu, India. He has about 20 years of experience and has published more than 100 articles in reputed international and national journals, 17 reference books and has won many awards including Tamil Nadu scientist award, Raman Chandrashekar interdisciplinary award, NDT man of the year 2004, DAAD from Germany (2002)



Author: J. Warnatz, U. Mass, R. W. Dibble
ISBN: 978-8184-89038-9 | PB
Pages: 388 | **Price:** ₹ 465.00
Rights: World

About the Book

Combustion is an old technology, which at present provides about 90% of our worldwide energy support. Combustion research in the past used fluid mechanics with global heat release by chemical reactions described with thermodynamics, assuming infinitely fast reactions. This approach was useful for stationary combustion processes, but it is not sufficient for transient processes like ignition and quenching or for pollutant formation. Yet pollutant formation during combustion of fossil fuels is a central topic and will continue to be so in the future. This book provides a detailed and rigorous treatment of the coupling of chemical reactions and fluid flow. Also, combustion-specific topics of chemistry and fluid mechanics are considered and tools described for the simulation of combustion processes.



Author: Marcelo S Alencar, Valdemar C da Rocha, Jr

ISBN: 978-8181-28716-8 | PB

Pages: 430 | **Price:** ₹ 340.00

Rights: World

About the Book

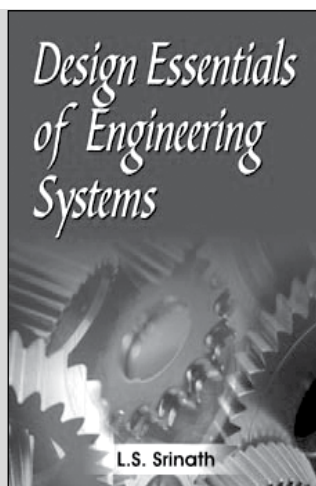
Communication Systems is as an introductory textbook, presenting Fourier transform, convolution, and definitions of autocorrelation and power spectral density. It also introduces concepts of probability, random variables, and stochastic processes and their applications to the analysis of linear systems.

Innovatively, the text treats the modulation process using stochastic processes as well as covers amplitude modulation, quadrature modulation, angle modulation, mobile cellular systems, propagation channels and more. Quantization and coding of analog signals is also treated, as well as speech coding.

Channel modeling, including channel characteristics and propagation, is covered with an emphasis on simple models. Transmission and reception of modulated carriers is included as well as the required transmitting and receiving equipment. Mobile communication is also covered and considers both analog and digital systems.

Contents

1. Signal Analysis
2. Probability Theory and Random Processes
3. Speech Coding
4. Amplitude Modulation
5. Quadrature Amplitude Modulation
6. Angle Modulation
7. Propagation Channels
8. Carrier Transmission
9. Mobile Cellular Telephony



Author: L S Srinath

ISBN: 978-0230-63757-3 | PB

Pages: 360 | **Price:** ₹ 295.00

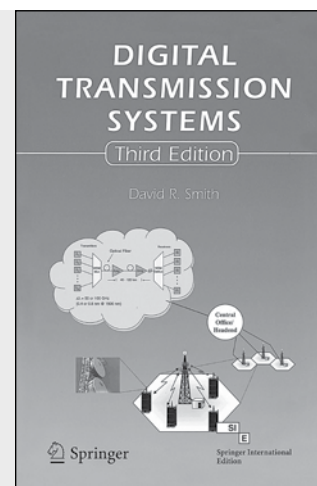
Rights: World

About the Book

Among the systems and devices that engineers have designed, large systems demand particular attention. Design Essentials of Engineering Systems discusses characteristic features of such large goal-oriented engineering systems, their complexities, and the need to control and regulate these systems. Cybernetic approaches have been adopted to explain these systems. Addressing the need of engineers' innovative contribution to design, the book highlights the importance of human reliability and human factors during design, operation, and maintenance of large systems. Based on the extensive teaching experience of the author at various universities and institutes in India and abroad, the book is written in the classroom lecture style – making it more student-friendly.

Contents

1. Engineering, Design, and Reliability
2. Large Systems and Cybernetic Approaches
3. Probability, Risk and Reliability
4. Human Reliability and Human Factors
5. Engineering Statistics
6. Project Analysis
7. Optimization Techniques
8. Foundations of Decision Making
9. Engineering Economics
10. Entropy
- Part A: Perpetual Motion Machines and Entropy - Thermodynamical Concepts
- Part B: Entropy and Uncertainty
- Part C: Entropy and Information
- Part D: Second Law, Entropy and Design
11. Modelling and Simulation
12. Design Failures



Author: David R. Smith

ISBN: 978-8184-89048-8 | PB

Pages: 828 | **Price:** ₹ 585.00

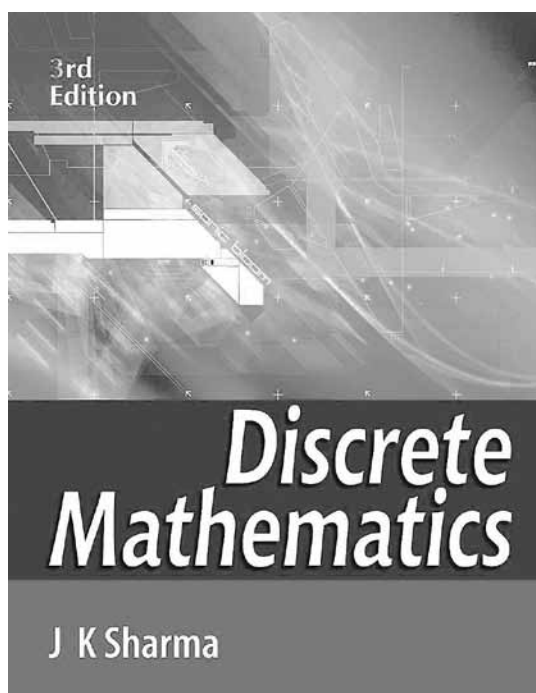
Rights: World

About the Book

Digital Transmission Systems, Third Edition, is a comprehensive overview of the theory and practices of digital transmission systems used in digital communication. This new edition has been completely updated to include the latest technologies and newest techniques in the transmission of digitized information as well as coverage of digital transmission design, implementation and testing

Highlights of this edition:

- New material on error correction codes, multiple access, digital modulation digital subscriber lines, cable modems, mobile wireless, wide area networks, and optical networks
- Up-to-date industry standards and practices—including voice/video coding, SONET/SDH, DWDM, ATM, broadband wireless access, network synchronization, and network management—are described and interpreted
- Expanded problem sets (totaling over 300) at the end of each chapter for review and practice
- All chapters have been updated with particular emphasis given to fiber optics, wireless and networks



Discrete Mathematics, 3/e

ISBN: 978-0230-32230-1

Pages: 496 | Price: ₹ 345.00 | PB

Rights : World

Author

J K SHARMA



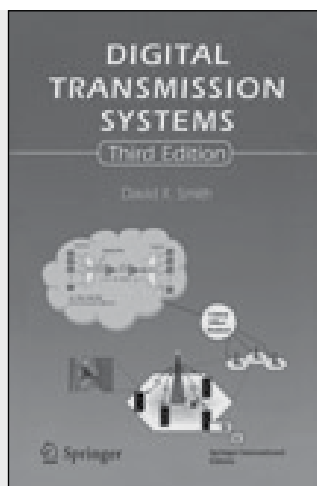
Dr. J. K. Sharma, M.Sc., Ph.D., has been teaching at the Faculty of Management Studies, University of Delhi, since 1985. He has over 30 years of teaching experience in Operations Research, Business Statistics, mathematics and Logistics Management. He was awarded Gold Medal for securing first-class-first rank in his M.Sc. (Maths) examination. He has taught as a visiting professor at Group ESSEC (a Graduate School of Management) in France. He has authored 18 books and over 100 research papers and/or case studies and is actively involved in guiding students for their doctoral work.

About the Book

The topics covered in this book have been chosen keeping in view the knowledge required to understand the functioning of the digital computer because many of its properties can be understood and interpreted within the framework of finite mathematical systems. This book provides a compact yet rigorous treatment of the major mathematical techniques available for study in theoretical computer science. In this edition, each chapter has been revised thoroughly to widen the scope of topics. Several solved and unsolved questions have been added in each chapter. Two new chapters Number Theory and Language, Grammar and Automata have been added.

Contents

• Sets, Relations and Function • Static – Equilibrium Analysis • Matrix Algebra and Economic Application • Differentiation • Economic Application of Derivative • Partial and Total Differentiation • Economic Application of Partial and Total Differentiation • Optimization Techniques–I: Unconstrained Maxima and Minima with Single Explanatory Variable • Economic Applications of Unconstrained Maxima and Minima with Single Explanatory Variable • Optimization Techniques– II: Unconstrained Maxima and Minima with more than One Explanatory Variable • Economic Applications of Unconstrained Maxima and Minima with more than One Explanatory Variable • Optimization Techniques–III: Optimization with Equality Constraint • Economic Applications of Constrained Optimization • Integration and Economic Applications • Differential Equation and Economic Application • Difference Equation and Economic Applications • Optimization with Inequality Constraints • Index



Author: B Cauveri

ISBN: 978-1403-91113-1 | PB

Pages: 226 | **Price:** ₹ 189.00

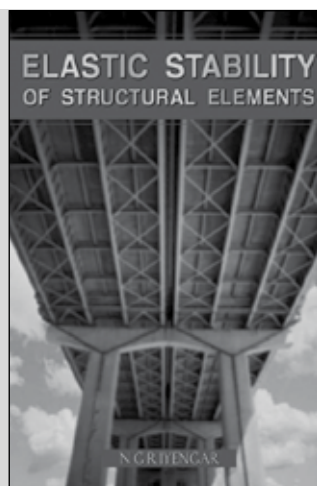
Rights: World

About the Book

This book has been designed to fulfill the English curriculum of the technical courses such as engineering. It includes sections on grammar, technical writing, reading practice and much more. All the exercises are preceded by examples to give a clear idea of the approach to be followed. A set of model question papers is provided to make the students more equipped to face the examination.

Contents

Grammar and Vocabulary • Reading Comprehension • Note Making • Essay Writing • Project Report Writing • Laboratory Report • Dialogue Report • Letter Writing • Transcoding • Spoken English and Listening Practice • Model Question Papers • Model TOEFL Question Papers



Author: Dr N G R Iyengar

ISBN: 978-0230-63186-1 | PB

Pages: 440 | **Price:** ₹ 375.00

Rights: World

About the Book

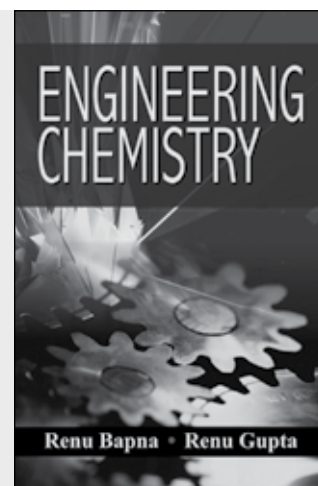
Elastic Stability of Structural Elements is designed for a one-semester course for undergraduate/ graduate programmes in aerospace, civil, mechanical engineering and applied mechanics. This well organized text discusses applications of both classical and numerical techniques like finite difference and finite element for structural problems in engineering. Various techniques have been compared in terms of accuracy and convergence. It would also be useful for practicing engineers in various fields of engineering.

It essentially consists of two sections. In the first section, one-dimensional structures, comprising of columns, beams and frames are discussed; in the second section, two-dimensional structures are discussed. In both the sections, elastic and inelastic behaviour of structural elements is analyzed. A distinguishing feature is the illustration of the techniques through numerous worked-out examples. Another distinguishing feature is the addition of a section on fiber reinforced composite materials.

Contents

Preface

1 Elastic Buckling of Columns
2 Inelastic Buckling of Columns
3 Buckling of Open Sections
4 Buckling of Frames
5 Elastic Buckling of Thin Plates
6 Buckling of Composite Plates
7 Buckling of Sandwich Columns and Plates
8 Inelastic Buckling of Plates
9 Postbuckling Behaviour of Plates
Appendix
Index



Author: Dr Renu Bapna, Dr. Renu Gupta

ISBN: 978-0230-33076-4 | PB

Pages: 448 | **Price:** ₹ 285.00

Rights: World

About the Book

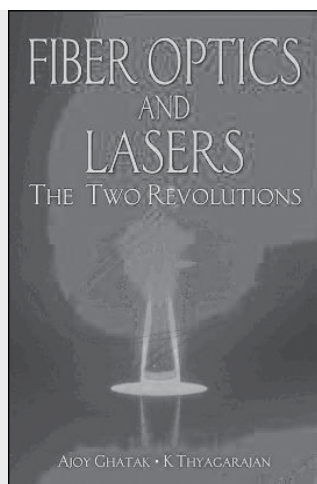
Engineering Chemistry is written in a simple language with logical flow of topics which gives the students clear, comprehensive, concise and up-to-date information of the subject and serves as an interface between theoretical principles of basic chemistry and their practical applications in engineering. The book, comprising 14 chapters, covers the fundamentals of engineering chemistry including fuel and combustion, electrochemistry, fuel cells and solar energy to corrosion and control, liquid crystals and high polymers.

The emphasis is on relevant concepts. Theories and principles have been explained with suitable illustrations, adequate examples, and neat and labeled diagrams. The review questions at the end of the chapter provides a thorough revision of concepts learnt while solved numericals, wherever required, have been added for better understanding of applications of the subject.

This book, a concise yet thorough introduction to chemistry, would be useful to students aspiring to become proactive engineers and will certainly enlighten the teachers.

Contents

Preface • Acknowledgements • Fuel and Combustion • Solar Energy • Electrochemistry • Conversion and Storage of Electrochemical Energy: Battery Technology • Fuel Cells • Corrosion and Its Control • Metal Finishing and Electroplating • Electroless Plating • Liquid Crystals • Instrumental Methods of Analysis • High Polymers • Water • Refractories • Cement • Index



Author: Ajoy Ghatak, K Thyagarajan

ISBN: 978-1403-93011-8 | PB

Pages: 248 | **Price:** ₹ 365.00

Rights: World

About the Book

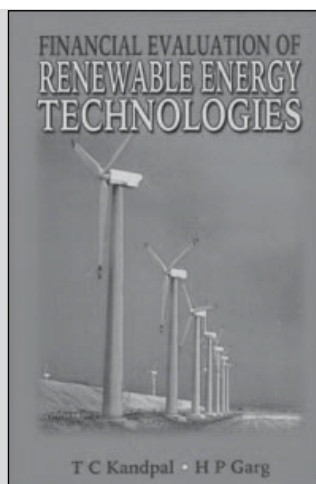
The invention of the laser in 1960 provided mankind with a unique source of light, which is highly directional, spectrally pure and extremely bright. The development of such a unique source of light ushered in a large number of applications in many diverse areas such as communications, medicine, defence, etc. Besides, lasers have found numerous commercial uses and the number of such applications is still rising. Today, light wave communication using hair-thin optical fibers of glass has truly revolutionised communication and has been primarily responsible for the Internet explosion.

Salient Features

- An introductory, easy-to-understand and purely non-mathematical text
- Covers state-of-the-art developments in the field of fiber optics - fiber amplifiers, dispersion compensation and non-linear effects
- Discusses basics of lasers with emphasis on special properties and applications
- Adopts an application-oriented approach - applications explained with interesting illustrations

Contents

Preface · List of Abbreviations · Important Milestones · Introduction · Light Waves · Carrier Wave Communication · The Optical Fiber · Attenuation in Optical Fibers · Pulse Dispersion in Optical Fibers · Fiber-Optic Communication Systems · Erbium-Doped Fiber Amplifier (EDFA) · Raman Fiber Amplifier (RFA) · Fiber Bragg Gratings (FBG) · Fiber-Optic Components · Non-linear Effects in Optical Fibers · Optical Fiber Sensors · Basics of Lasers · Properties of Laser Beams · Some Important Applications of Lasers ·



Author: Tara Chand Kandpal, H P Garg

ISBN: 978-1403-90952-7 | PB

Pages: 404 | **Price:** ₹ 425.00

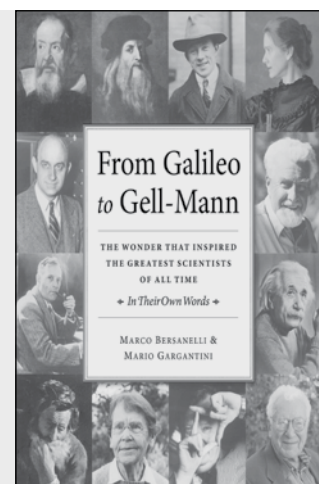
Rights: World

About the Book

This book provides inputs for introducing basic concepts in simple financial evaluation of renewable energy technologies. It also contains introductory chapters on engineering economics. Case studies are presented to facilitate practice and understanding of a variety of techniques for techno-economic evaluation and appreciation of different renewable energy technologies. An ideal textbook for under-graduate/postgraduate students of renewable energy study programmes.

Contents

Introduction · Basic Formulae of Financial Mathematics – I · Basic Formulae of Financial Mathematics – II · Indicators of Financial Performance – I · Indicators of Financial Performance – II · Indicators of Financial Performance – III · Incremental Analysis of Investment Projects · Depreciation and Depreciation Accounting · Implications of Income Tax Considerations for Financial Analysis · Approaches to Uncertainty in Financial Analysis – I · Approaches to Uncertainty in Financial Analysis – II · Social Cost-Benefit Analysis of Projects · Financing of Renewable Energy Systems · Renewable Energy Technologies and Reduction in CO₂ Emissions · Case Studies · Problems for Practice · Bibliography



Author: Marco Bersanelli, Mario Gargantini

ISBN: 978-0230-33038-2 | HB

Pages: 335 | **Price:** ₹ 699.00

Rights: World

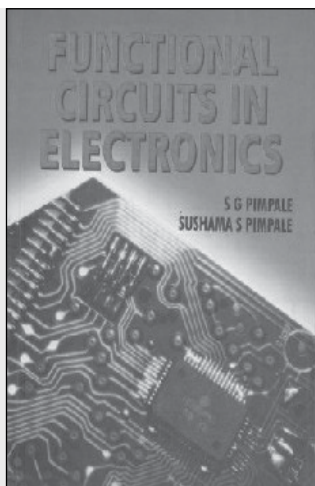
About the Book

In *From Galileo to Gell-Mann*, Marco Bersanelli and Mario Gargantini have gathered writings from over one hundred of the world's brightest scientific minds on the question of "Why?" - specifically, why did these great scientists commit themselves so ardently to life in the laboratory? What was it that kept them dedicated to their research endeavors for years on end?

This new anthology is a goldmine of insight that previously could only to be found hidden deep within thousands of scattershot pages of footnotes from out-of-print journals, rare books, and unpublished papers. Among the most remarkable similarities that emerge when one considers together these writings from the likes of Albert Einstein, Gregor Mendel, Maria Curie, and others, is the sense of wonder and outright awe at what the study of the natural world can reveal.

Contents

Preface by Duccio Macchetto · Introduction · Wonder · Observation · Experiment · Discovery · Certainty · Sign · Purpose · Acknowledgements · Appendix A. Biographical Notes · Appendix B. Glossary · Notes · Index



Author: S G Pimpale, Sushama G Pimpale

ISBN: 978-0333-93294-0 | PB

Pages: 536 | Price: ₹ 235.00

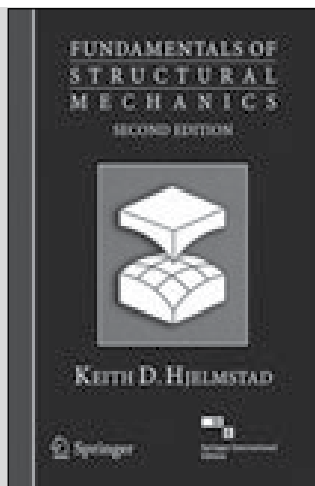
Rights: World

About the Book

This book gives a comprehensive introduction to functional circuits in electronics for undergraduate physics and engineering students. It covers a range of topics from circuit theorems to amplifiers to logic gates and special semiconductor devices, in a clear and concise manner.

Contents

Circuit Theorems • Detectors • Electronic Components • Review of P- and N-Type Semiconductors • Bipolar Junction Transistors • Amplifiers • CE Amplifier – Class A • Transistor Biasing • Field-Effect Transistors • Cascaded Amplifiers • Power Amplifiers, Distortion and Noise • Tuned Radio Frequency Amplifiers • Feedback • RC and LC Oscillators • Transistor Multivibrators • Integrated Circuits and Operational Amplifiers • OP-AMP Circuits • Timers • Combinational Logic Circuits • Sequential Logic Circuits • Some Special Semiconductor Devices • Index



Author: Keith D. Hjelmstad

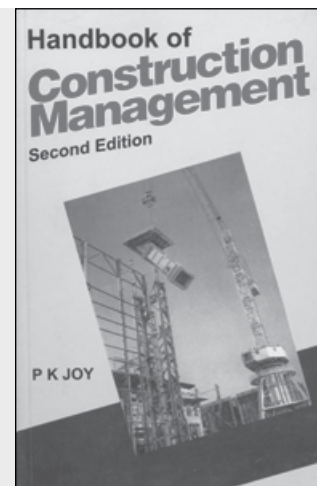
ISBN: 978-8184-89039-6 | PB

Pages: 496 | Price: ₹ 385.00

Rights: World

About the Book

This book fills the gap created by the advent of computational mechanics. A modern course in structural or continuum mechanics needs to focus more on formulations and fundamental principles and less on (classical) solution techniques. Fundamentals of Structural Mechanics, 2nd Edition provides a solid introduction to continuum mechanics, structural mechanics, and numerical methods and can serve as a preparation for study of the finite element method or advanced (nonlinear) computational mechanics.



Author: P K Joy

ISBN: 978-0333-92693-2 | PB

Pages: 500 | Price: ₹ 465.00

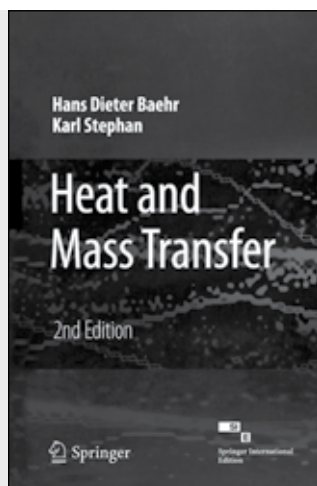
Rights: World

About the Book

This is the revised and enlarged second edition of the world's first comprehensive guidebook of construction management written by a single author, covering all aspects of general management practices with their nuances to engineering project's construction.

Contents

Introduction • Get Contracts without Pitfalls • Planning and Monitoring from Head Office • Execution and Site Monitoring • Personnel Manual for a Construction Organisation • Purchase and Stores Manual for a Construction Organisation • Manual of Capital Equipment for Construction Operations • Manual of Risk Management and Insurance for a Construction Organisation • Manual of General Office Services for a Construction Organisation • Finance and Accounts Manual for Construction Business • Claims Manual for a Construction Organisation • Essentials of Contract Law • Use of Computer in Construction • International Construction Contracts • Corporate Planning in a Construction Organisation Techniques to Combat Project Overruns • General Appendices – Prebid Site Investigation Report from Erection Contractor's Angle • Hierarchy of Planning • Integrated Procurements Plan with Sequential Relationship • Monthly Microplan for Erection and Resources Loading (ERL Plan) • Periodical Report to Head Office on Sub-contractor's Performance • Schedule of Diverse Optional Services an Associate or a Consultant can Render to a Foreign Contractor • Guidelines for Environmental Care • Operating Model for a Consulting Organisation •



Author: Hans Dieter Baehr, Karl Stephan

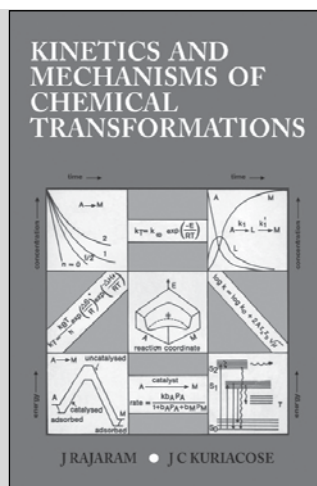
ISBN: 978-8184-89052-5 | PB

Pages: 712 | Price: ₹ 565.00

Rights: World

About the Book

This comprehensive textbook provides readers with a firm foundation in the principles of heat and mass transfer and shows them how to solve problems by applying modern methods. The basic theory is developed systematically, and the solution methods to all important problems are covered in detail. The second edition incorporates state-of-the-art findings on heat and mass transfer correlations. Therefore, this book will be useful not only to upper- and graduate-level students, but also to practicing scientists and engineers. Many worked-out examples and numerous exercises with their solutions will facilitate learning and understanding, and an appendix includes data on key properties of important substances.



Author: Rajaram & Kuriacose

ISBN: 978-0333-92658-1 | PB

Pages: 956 | Price: ₹ 395.00

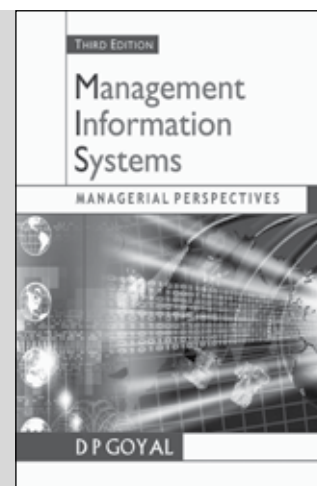
Rights: World

About the Book

This book presents chemical kinetics as a tool to elucidate the mechanism of chemical transformations. It takes into account the mathematical background of the average Indian student taking up an undergraduate course in chemistry. The systematic arrangement of the subject matter makes it easy to grasp and the understanding of the material is enhanced by introducing relevant worked-out problems.

Contents

Rates of Chemical Reactions • Simple Reactions – Analysis of Kinetic Data • Experimental Methods • Complex Reactions • Effect of Temperature on Rates of Reactions • Theories of Reaction Rate • Rates Laws and Reaction Mechanisms • Reactions in Solution • Reactions of Chemical Species in the Excited States • Homogeneous Catalysis • Heterogeneous Catalysis • Reactions with Solid Reactants • Reactions at Electrode Surfaces • Rapid Reactions in Solution • Application of Chemical Kinetics in the Elucidation of Mechanisms of a Few Reactions • Bibliography • Index



Author: D P Goyal

ISBN: 978-9350-59269-4 | PB

Pages: 400 | Price: ₹ 395.00

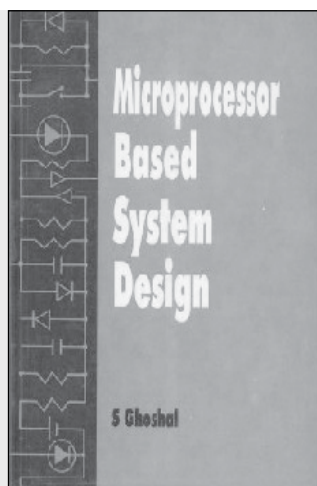
Rights: World

About the Book

To compete and emerge successful in a global competitive environment demands an effective and efficient Management Information System (MIS). Indian organizations are in fact increasing their IT investment at the rate of 35 per cent annually. Responding to this need, the book explains the concepts, strategies and issues involved in developing and managing information systems. The book attempts to balance the two disciplines of management and computer science to understand the applications of MIS. This book is divided into five parts; each part leading onto the next smoothly. Focusing on conceptual framework the book leads to basic structure of Information System, business applications, its development, and management of IS resources. The entire subject has been presented in a simple and easy-to-understand manner. Thus no prior knowledge of computers is essential to follow this book. The clarity in presenting concepts and their applications is the focus of this book. The text is supplemented with real-life case studies and those from simulated environments. Certain pedagogic tools like Learning Objectives, Summaries, Teamwork and Projects are engaged to make the text reader-friendly.

Contents

Part I – Conceptual Foundations
Part II – Information Technologies
Part III – Business Applications Of Is
Part IV – Management Of Is
Part V – Building Of Is



Author: S Ghoshal

ISBN: 9780333925454 | PB

Pages: 392 | Price: ₹ 240.00

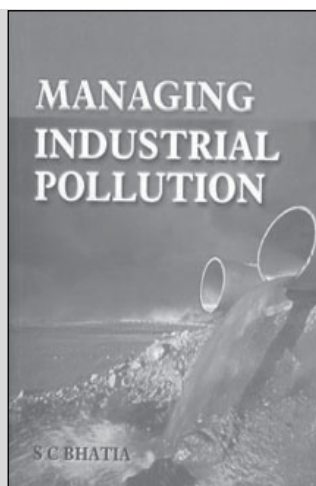
Rights: World

About the Book

This book discusses design projects based on Intel 8085, Intel 8086 and Zilog Z80 systems, covering thoroughly both software and hardware aspects. The book, based on the course, Microprocessor Based System Design, offered to PG students of electronics and computer science BITS, Pilani, is also useful for undergraduate students of electronics and practising engineer

Contents

A Minimum 8085 Based System • A Water Watchdog • A Clock and Stopwatch with Alarm • A Microprocessor Based Organ • A Microprocessor Kit for System Development • A Guardian Angel for a House • An Electronic Blackboard • Data Logger • A Keyboard for Host Computer • A Printer Controller • A Microprocessor Kit for Software Development • A Quiz Master • A Digital IT Tester • A Rolling Display Signboard • A Chess Playing Unit • Laboratory Signal Generator • Traffic Controlling System • Arm Diode for Spray Painting • PCB Drilling Jig • Industrial Process Controller • Bibliography



Author: S C Bhatia

ISBN: 978-1403-91091-2 | PB

Pages: 600 | Price: ₹ 375.00

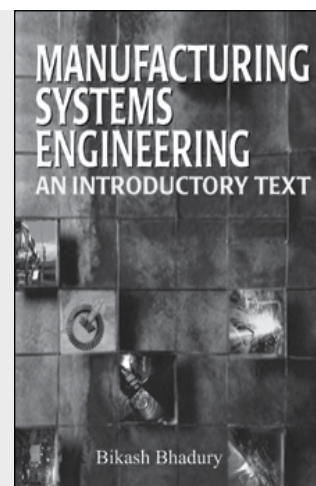
Rights: World

About the Book

This book gives a detailed, in-depth and updated study of pollution management, intended primarily for the students of environmental science, chemical engineers, industrial chemists and researchers. The text has been reinforced throughout by diagrams, figures and tables and is interspersed with the case studies, examples, exercises and summaries. A chapter on the Role of Biotechnology in Managing Industrial Pollution is an important feature of this book.

Contents

Managing the Environment – Some Issues • Environmental Management System • Organizing and Planning a Pollution Control Department • Plant Operation and Training Personnel for Pollution Control • Environmental Legislation and Enforcement Mechanism • Pollution Control Decisions and PERT • Ecology and Environment • Performing a Pollution Prevention Assessment • Industrial Pollution • Management of Particulate Matter • Management of Gaseous Pollutants • Management of Industrial Waste Water • Management of Industrial Solid Wastes • Managing Nuclear Pollution and Radioactive Wastes • Managing Pollution Control in Chemical Process and Allied Industries • Managing Pollution in Metallurgical and Mining Industry • Miscellaneous Industries • Managing Noise Pollution • Managing Risks and Hazards • Role of Biotechnology in Managing Industrial Pollution • Monitoring and Control of Industrial Pollution • Role of Education and Training Towards Industrial Environmental Protection • Case Studies • Glossary • References • Index



Author: Bikash Bhadury

ISBN: 978-0230-63869-3 | PB

Pages: 496 | Price: ₹ 395.00

Rights: World

About the Book

This book is an introductory textbook on manufacturing systems engineering covering all the important operational aspects of manufacturing management. Written in simple, easy-to-understand language, the book discusses all technical terms, expressions, theoretical models, and formulae that have been adequately explained with simple illustrative examples. The text is interspersed with practical experiences, case studies, worked-out examples, appendices, questions and exercises at the end of the chapters practically all elements that make it more student-friendly, and thus help students understand and relate better to the real systems.

This book will also be interesting and useful to practicing professionals engineers and managers in industry and business.

Contents

This book is an introductory textbook on manufacturing systems engineering covering all the important operational aspects of manufacturing management. Written in simple, easy-to-understand language, the book discusses all technical terms, expressions, theoretical models, and formulae that have been adequately explained with simple illustrative examples. The text is interspersed with practical experiences, case studies, worked-out examples, appendices, questions and exercises at the end of the chapters practically all elements that make it more student-friendly, and thus help students understand and relate better to the real systems.



Author: S Drabowitch, A Papiernik, H D Griffiths, J Encinas, B L Smith
ISBN: 978-8181-28718-2 | PB
Pages: 710 | **Price:** ₹ 585.00
Rights: World

About the Book

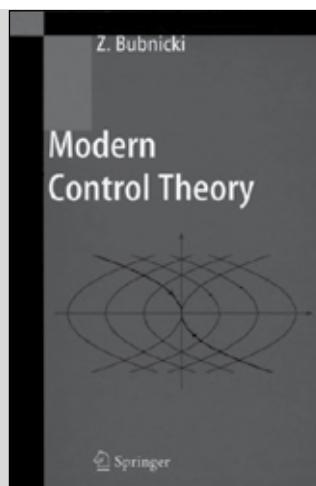
Modern Antennas, 2nd edition provides a complete and rigorous treatment of the theory and practice of modern antenna design and use. Written by a team of experienced engineers, the text is presented in a simple and understandable manner which guides the reader progressively through the stages of the design process. The book is aimed at practising engineers and graduate-level students, and includes numerous examples of practical designs applied to real engineering situations.

The second edition contains significant new material on antennas for mobile communications, and on signal processing antennas for applications in communications and radar.

Written to serve the needs both of practising engineers and advanced and postgraduate students, Modern Antennas, 2nd edition is an essential handbook for any engineer involved in the field.

Contents

1. Fundamentals of electromagnetism
2. Radiation
3. Antennas in transmission
4. Receiving antennas
5. Antennas of simple geometry
6. Printed antennas
7. Large antennas and microwave antennas
8. Primary feeds
9. Axially symmetric systems
10. Focussed systems
11. Arrays
15. Antenna measurements



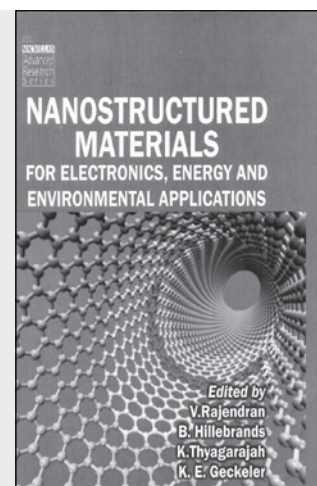
Author: Z Bubnicki
ISBN: 978-8181-28717-5 | PB
Pages: 424 | **Price:** ₹ 360.00
Rights: World

About the Book

This compact and uniform textbook presents the contemporary state of the art of control theory and its applications. It introduces traditional problems useful in the automatic control of technical processes, as well as current issues, such as decision taking in conditions of uncertainty, use of artificial intelligence methods, or control of complex operations. The methods covered are introduced in a practice-oriented way that allows the reader to easily apply them for the determination of decision algorithms in computer control and management systems. This concise textbook is aimed at students of automatics, robotics, control engineering, and computer sciences.

Contents

1. General Characteristics of Control Systems
2. Formal Models of Control Systems
3. Control for the Given State (the Given Output)
4. Optimal Control with Complete Information on the Plant
5. Parametric Optimization
6. Application of Relational Description of Uncertainty
7. Application of Probabilistic Descriptions of Uncertainty
8. Uncertain Variables and their Applications
9. Fuzzy Variables, Analogies and Soft Variables
10. Control in Closed-loop Systems Stability
11. Adaptive and Learning Control Systems
12. Intelligent and Complex Control Systems



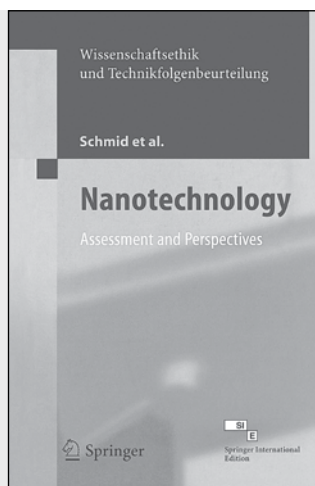
Author: V. Rajendran, B. Hillebrands, K. Thyagarajah, K.E. Geckeler
ISBN: 978-0230-33200-3 | HB
Pages: 486 | **Price:** ₹ 750.00
Rights: World

About the Book

I mainly devoted to the preparation and characterization of nanostructured materials for energy, electronics and environmental scenarios. The papers include synthesis and applications of material like ZnO, CNT and processing of high energy fuel cell and solar cell material and concisely covered.

Contents

It is interesting to note that the nanoparticles like silica are used to increase the photosynthesis ... We know that the applications of the nanoparticles such as coatings, electronics industries, fuel storage cells, sensors, drug ... The development of new systems or protocols based on the nanostructured materials leads to the shrinkage of size and hence, the prices



Author: Schmid et al

ISBN: 978-8184-89051-8 | PB

Pages: 520 | Price: ₹ 485.00

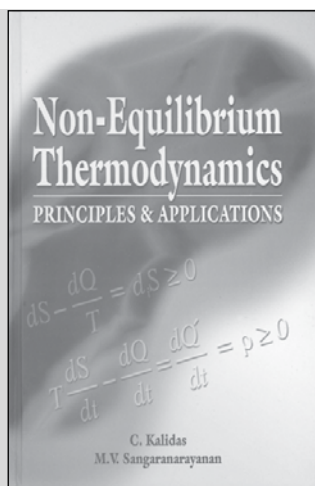
Rights: World

About the Book

Nanotechnology. Assessment and Perspective “tackles the subject of Nanotechnology in a new and unique way. Accounting for the fact that the differences between classical academic disciplines disappear at the nanoscale, a truly interdisciplinary approach is chosen. Authors from areas like chemistry, physics, biology and toxicology as well as from economics, philosophy and the industrial sector treat the matter in a unified manner, not only giving isolated statements within their own realm, but also linking them to the other experts’ contributions.

A new definition of Nanotechnology by the authors is used as an anchor for the various sections of the book. This leads to an integrated text reflecting the multidimensional challenges occurring around Nano-technology. The most important results of the study are transferred into acting recommendations concerning scientific progress, industrial relevance, economic potential, educational needs, potential adverse health effect and philosophical aspects of Nanotechnology.

The book is addressing decision makers in relevant sectors of society like politics, research and industry. It will also be of high value to media representatives, academic staff and students willing to look beyond the borders of their very subjects as well as to the interested public.



Author: C Kalidas, M V Sangaranarayanan

ISBN: 978-0333-93686-3 | HB

Pages: 160 | Price: ₹ 220.00

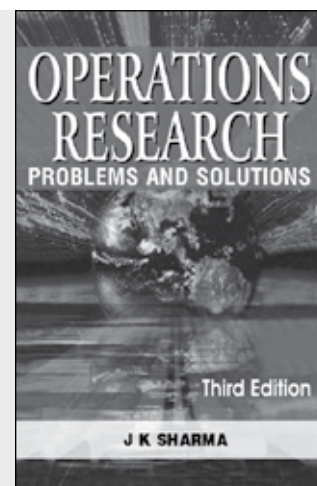
Rights: World

About the Book

The present work is meant essentially for the postgraduate students of chemistry. A major portion of the book forms part of the curriculum of students of chemistry at the Indian Institute of Technology, Chennai. Additional material has also been added in order to make the book more comprehensive and also to provide a choice of topics to the teachers, depending upon the specific needs of the students.

Contents

Introduction to Non-Equilibrium Thermodynamics • Basic Concepts of Entropy Production and Uncompensated Heat and Their Relation to Various Thermodynamic Functions • Entropy Production in Closed and Open Systems, Entropy Balance in Continuous and Discontinuous Systems • Onsager’s Theory and Application to Chemical Reactions: Coupled and Uncoupled Reactions and Relaxation Processes • Transport Phenomena Across Membranes and Under Temperature Gradients – Some Examples Towards Verification of Onsager’s Reciprocal Relations • Onsager’s Formalism of Non-Equilibrium Thermodynamics for Multi-Component Diffusion • Onsager’s Formalism for Transport Phenomena in Electrochemical Systems • Minimum Entropy Production and Non-Linear Non-Equilibrium Thermodynamics • Index



Author: J K Sharma

ISBN: 978-0230-63659-0 | PB

Pages: 912 | Price: ₹ 470.00

Rights: World

About the Book

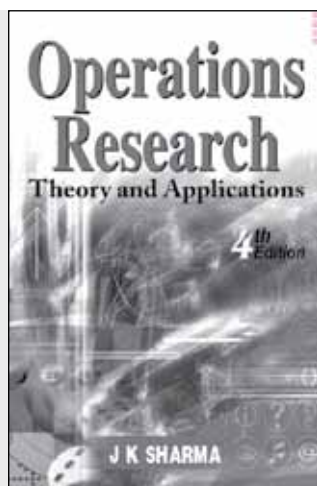
This revised edition elucidates the key concepts and methods of operations research. It aims to supplement textbooks on Operations Research (OR) and upgrade student’s knowledge and skills in the subject. Salient features

- Updated and suffused with numerous and varied solved examples to provide integrated view of theory and applications of operations research.
- Self-practice unsolved problems at the end of each chapter.
- Sufficient hints and answers to unsolved problems to enable students learn at their own pace.
- Complete conformity to the latest trend of questions, appearing in universities and professional examinations.

This book meets the requirement of students pursuing MBA/PGDM, BCom (Hons), MCom, CA, ICWA, BBA, BIS/BIT, BCA, AMIE courses. It helps them understand the basic concepts of OR and the application of their results in real-life business problems.

Contents

• Operations Research: An Introduction • Linear Programming: Model Formulation • Linear Programming: Graphical Solution Method • Linear Programming: Simplex Method • Revised Simplex Method • Dual Simplex Method • Bounded Variables LP Problems • Duality in Linear Programming • Sensitivity Analysis • Parametric Linear Programming • Integer Linear Programming • Goal Programming • Transportation Problem • Assignment Problem • Decision Theory and Decision Tree Analysis • Theory of Games • Project Management: PERT and CPM • Inventory Control •



Author: J K Sharma

ISBN: 978-0230-63885-3 | PB

Pages: 976 | Price: ₹ 465.00

Rights: World

About the Book

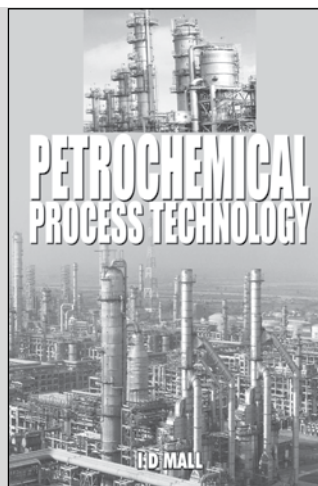
Operations Research: Theory and Applications, is a comprehensive text for courses in Quantitative Methods, Operations Research, Management Science, Analytical Methods for Decision-Making, and other related subjects. This fourth edition of the book further enhances the easy-to-understand approach employed in the first three editions. It continues to provide readers an understanding of problem-solving methods based upon a careful discussion of model formulation, solution procedures and analysis.

Salient Features

- Almost all chapters have been reorganized and/or rewritten to facilitate better and easier understanding of concepts and text material.
- Each chapter contains Preview and Learning Objectives to guide the students to focus their attention to understand a specific topic under study.
- Most chapters contain 'Cases' to help students to understand business situations and suggest solutions to certain managerial issues that are raised using specific technique of operations research.

Contents

1. Operations Research: An Introduction
2. Linear Programming: Applications and Model Formulation
3. Linear Programming: The graphical Method
4. Linear Programming: Simplex Method
5. Duality in Linear Programming
6. Sensitivity Analysis in Linear Programming
7. Integer Linear Programming
8. Goal Programming
9. Transportation Problem
10. Assignment Problem



Author: I D Mall

ISBN: 978-1403-93197-9 | PB

Pages: 576 | Price: ₹ 535.00

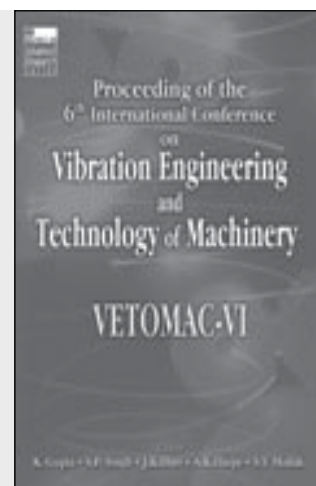
Rights: World

About the Book

This book provides a systematic and comprehensive introduction to various aspects of production of petrochemicals. Beginning with an introduction to petrochemicals, the book discusses the raw materials scenario with special reference to India. While discussing the profile of Indian petroleum and petrochemicals industries, the book emphasises on recent advances in the production of basic raw materials, namely, olefins, aromatics, intermediates and finished products like polymers, elastomers, polyurethane, synthetic fibres, and so on. Issues of environmental management, corrosion and selection of materials of construction in the petrochemical industries have also been dealt with. It has been written in consultation with numerous leading engineers and technologists working in the petroleum, petrochemical and R&D centres in related areas.

Contents

- Foreword
- Preface
- Acknowledgements
- 1. Introduction
- 2. Profile of Indian Petroleum and Petrochemical Industry
- 3. Petroleum Refining
- 4. Olefins Production
- 5. Processing of Olefinic C4 and C5 Cut From Steam Cracking and Fluid Catalytic Cracking
- 6. Aromatic Production
- 7. Methane and Synthesis Gas Derivatives
- 8. Ethylene and Ethylene Derivatives



Author: K. Gupta, S.P. Singh, J.K. Dutt, A.K. Darpe, S.V. Modak

ISBN: 978-0230-33210-2 | HB

Pages: 948 | Price: ₹ 3,000.00

Rights: World

About the Book

These are the Proceedings of the Sixth International Conference on Vibration Engineering and Technology of Machinery (VETOMAC-VI) held at Indian Institute of Technology Delhi on December 13-15, 2010



Author: V V Mahajani, S . B. Umarji

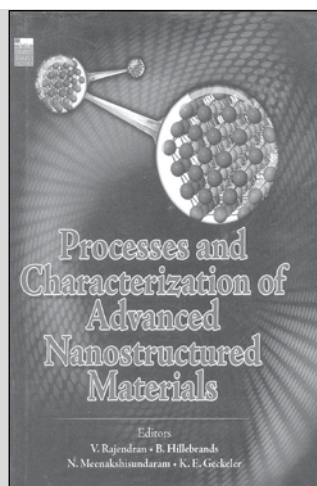
ISBN: 978-0230-63810-5 | PB

Pages: 576 | **Price:** ₹ 425.00

Rights: World

About the Book

This book has been designed for Chemical Engineering students to introduce them to the detailed mechanical design of equipments, frequently used in the Chemical Process Industry. It also caters to the needs of professional design engineers in industry. This thoroughly revised and updated edition is expected to help students comprehend the subject in a more realistic manner. Chapters on auxiliary process equipment flow sheets and certain additions related to filters, dryers and evaporators have added value to the book. For some major items of equipment, data sheets have also been included. The write up on mechanical seals has been expanded. The chapter on 'Agitators' has been replaced by 'Mixers' with an introduction to the design aspects of static mixers as well. The present revised edition should be as valuable to students as to design engineers.



Author: V Rajendran, B. Hillebrands, K. E. Geckeler, N. Meenakshisundaram

ISBN: 978-0230-33199-0 | HB

Pages: 464 | **Price:** ₹ 750.00

Rights: World

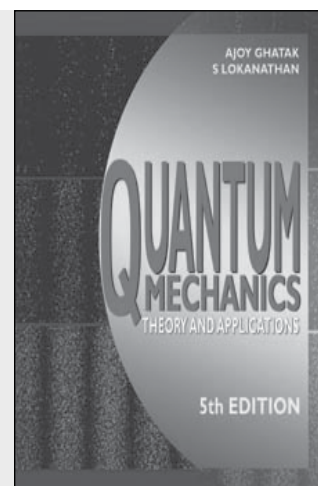
About the Book

Comprise processing and characterization of advanced nano structured material like composite structure and hybrid inorganic structure. In addition the molecular self assembly of nanostructred material is also discussed.

The characterization technique such as IV measurement ,particle size analysis, powder of XRD,SEM,TEM,AFM and BET surface area measurement are used to characterize the prepare nonmaterial. The possible application of prepared advanced nano structured material are also discussed.

Contents

About The Author V Rajendran, FUSI, FASI, FlntP, is the Director, Research and Developm ent, KSR Group of Institutions and Centre for Nano Science and Technology (CNST), K S Rangasamy College of Technology, Tamil Nadu, India.He has about 20 years of expeiraience and has published more the 100 articles in reputed international and national journals, 17 reference books and has won many awards including Tamilnadu scientist award,Raman chandrashekar interdisciplinary award,NDT man of the year 2004,DAAD from Germany (2002)



Author: Ajoy Ghatak, S Lokanathan

ISBN: 978-1403-92341-7 | PB

Pages: 794 | **Price:** ₹ 435.00

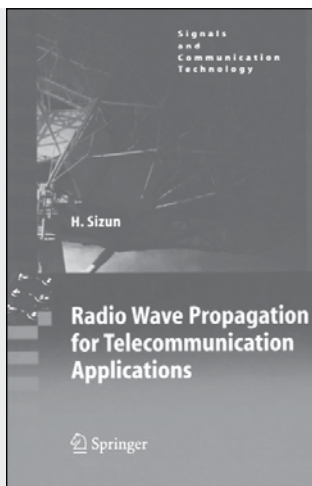
Rights: World

About the Book

This is the new edition of the best selling textbook on Quantum Mechanics. It presents the basic concepts in quantum mechanics with emphasis on applications in areas like nuclear physics, astrophysics, solid-state physics, quantum optics, and so on. Each chapter is substantiated with a number of numerical problems. The solutions to most of these problems have been given at the end of the chapter. Apart from a new prologue, the additions are new topics such as wave-particle duality and uncertainty principle, Schrodinger equation, and much more.

Contents

Mathematical Preliminaries • The Dirac Delta Function • Fourier Transforms • Basic Quantum Mechanics • Particles and Waves and the Uncertainty Principle • Time Dependent Schrodinger Equation • Propagation of Wave Packets and Concept Group Velocity • Bound State Solutions of the Schrodinger Equation • Linear Harmonic Oscillator: I • One-dimensional Barrier Transmission Problems • Angular Momentum I – The Spherical Harmonics • Spherically Symmetric Potentials • Dirac's Bra and Ket Algebra • Linear Harmonic Oscillator II • Angular Momentum II • Experiments with Spin Half Particles • Angular Momentum III • The Double-well Potential and the Kronig-Penney Model • The JWKB Approximation • Addition of Angular Momenta: The Clebsch-Gordan Coefficients • Time Independent Perturbation Theory, Effects of Magnetic Field • The Variational Method • The Helium Atom and the Exclusion Principle •



Author: H Sizun

ISBN: 978-8181-28721-2 | PB

Pages: 434 | Price: ₹ 385.00

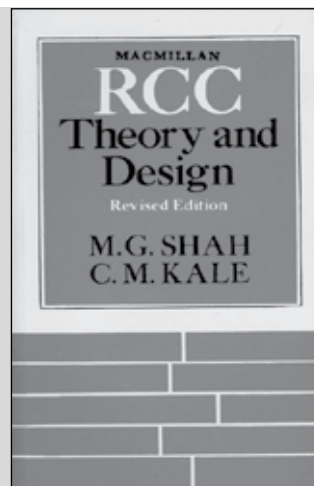
Rights: World

About the Book

This book thoroughly describes the physical mechanisms of electromagnetic wave propagation in the terrestrial and near space environment. It thus provides advanced students and development engineers the background for the design of reliable telecommunication systems in the radiofrequency domain.

Contents

1. Introduction to the Propagation of Radio Waves
2. The Earth's Atmosphere
3. Electromagnetic Waves and Propagation Characteristics
4. Ionospheric Links
5. Terrestrial Fixed Links
6. Satellite Links
7. Mobile Radio Links



Author: M G Shah, C M Kale

ISBN: 978-0333-90458-9 | PB

Pages: 408 | Price: ₹ 280.00

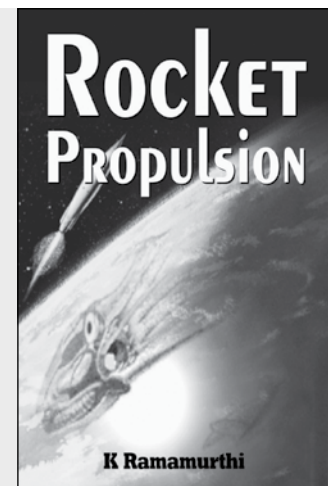
Rights: World

About the Book

This revised edition is presented with the theory of RCC design, followed by practical design, to facilitate easy understanding. This book meets the needs of both, civil engineering degree and diploma students as well as practising engineers.

Contents

Part I: Working Stress Method • Singly Reinforced Sections • Doubly Reinforced Sections • T and L Beams • Shear and Development Length • Columns • General Information • Slab Design (One Way) • Slab Design (Two-Way Reinforced) • Beam Design • Staircase • Column Footing Design • Retaining Walls (Cantilever Type) • Water Tanks • Part II: Limit State Method • Limit State Method • Doubly Reinforced Sections • T Beams • Shear and Development Length • Columns • Designs by Limit State Method • Appendices • Index



Author: K Ramamurthi

ISBN: 978-0230-32873-0 | PB

Pages: 352 | Price: ₹ 365.00

Rights: World

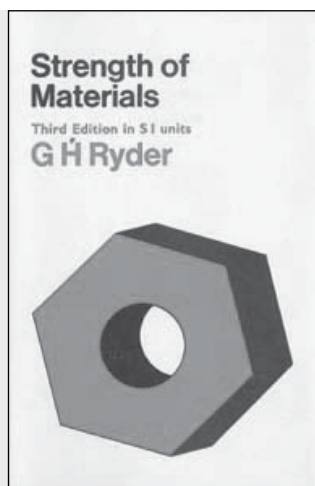
About the Book

This book deals with the fundamental aspects of rockets and the current trends in rocket propulsion. The book starts with a description of motion in space, the requirements of rockets for placing spacecrafts in different orbits about the Earth and escaping from the gravitational pull of celestial bodies. The rocket equation is subsequently formulated, following examples of the motion of a sled from change of momentum and movement of giant squid in deep seas. The operating principles, performance prediction procedures, design aspects and problem areas of the different types of rockets are discussed in detail. Practical examples and exercises are provided in each chapter to aid in understanding the concepts. Some of the salient features of the book are:

- Terms employed in practice for defining the characteristic features of rockets are derived from basics and are illustrated with examples.
- Selection of propellants for rockets is debated and a simplified analytical method is given for evaluating propellants used in solid, liquid and hybrid propellant rockets.
- An exhaustive description and analysis of the cycles of operation of liquid propellant and cryogenic propellant rockets is provided.

Contents

Preface • Motion In Space: Requirements For Orbit • Theory Of Rocket Propulsion • Rocket Nozzle And Performance • Chemical Propellants • Solid Propellant Rockets • Liquid Propellant Rockets • Liquid Monopropellant Rockets • Hybrid Rockets • Combustion Instability • Electrical Rockets • Nuclear Rockets And Advanced Rockets • Index



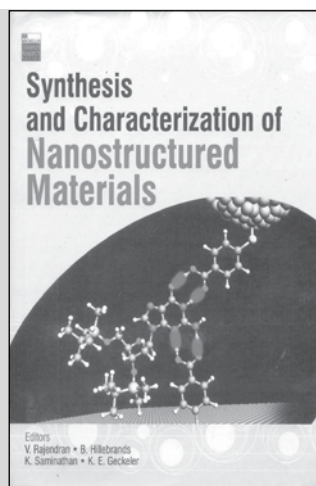
Author: G H Ryder
ISBN: 978-0333-93536-1 | PB
Pages: 352 | **Price:** ₹ 295.00
Rights: World

About the Book

Strength of Materials covers the study of the behaviour of structural and machine members under the action of external loads. Analysis is directed towards determining the limiting loads, that the member can stand before failure of the material or excessive deformation. To this end, three basic sets of relations can be obtained. The book highlights the mechanics of these conditions.

Contents

Introduction • Direct Stress • Shear Stress • Compound Stress and Strain • Elastic Constants • Shearing Force and Bending Moment • Bending Stress • Shear Stress in Beams • Torsion • Deflection of Beams • Built-in and Continuous Beams • Bending of Curved Bars and Rigid Frames • Plastic Theory of Bending • Springs • Struts • Cylinders and Spheres • Rotating Discs and Cylinders • Circular Plates • Vibrations and Critical Speeds • Material Testing and Experimental Methods • Appendix • Index



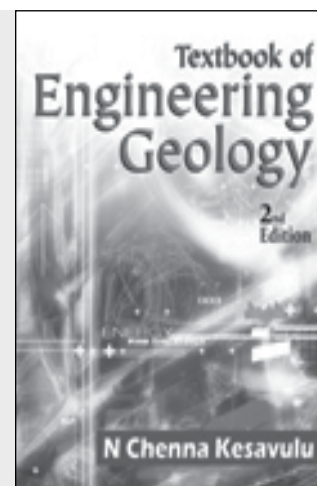
Author: V Rajendran, B. Hillebrands, K. Saminathan, K. E. Geckeler
ISBN: 978-0230-33193-8 | HB
Pages: 510 | **Price:** ₹ 750.00
Rights: World

About the Book

Is a collection of a wide range of research work on synthesis and characterization of nano structured materials employing different techniques for various industrial applications. Attempts have been made to obtain good quality mono disperse nano particles using cost effective technologies .A board spectrum of synthesis techniques such as sol-gel, ball mill, sono chemicals, hydrothermal and microwave techniques are used for synthesis of nonomaterials. The characterization techniques such as particles size analysis, powder XRD,SEM ,TEM, AFM and BET surface area measurement are used for the characterization of nanoparticles.

Contents

V Rajendran, FUSI, FASI, FlntP, is the Director, Research and Development, KSR Group of Institutions and Centre for Nano Science and Technology (CNST), K S Rangasamy College of Technology, Tamil Nadu, India.He has about 20 years of experaiance and has published more the 100 articles in reputed international and national journals, 17 reference books and has won many awards including Tamilnadu scientist award,Raman chandrashekar interdisciplinary award,NDT man of the year 2004,DAAD from Germany (2002)



Author: N Chenna Kesavulu
ISBN: 978-0230-63870-9 | PB
Pages: 472 | **Price:** ₹ 290.00
Rights: World

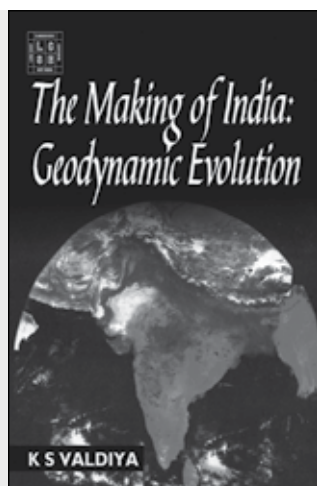
About the Book

Textbook of Engineering Geology presents study of geology comprehensively from a civil engineering point of view. The author contends that mere technical perfection cannot ensure the safety and success of large-scale civil engineering constructions such as bridges, tunnels and dams. To achieve these objectives the geology of the sites needs to be assessed. This book aims to fulfil this priority need.

The book begins with an introduction to basic concepts of different branches of geology, and further deals with their relevance from the civil engineering point of view. Appropriate case studies have been quoted to highlight the practical relevance of the subject. While stratigraphy has been given due emphasis, relevant details on ground water, earthquakes, landslides, geophysical investigations and engineering properties of rocks have been included. The book is amply supplemented with illustrations – adding to the richness and lucidity of the text.

Contents

Preface to the Second Edition • Preface to the First Edition • Geology • General Geology • Mineralogy • Common Rock-forming Minerals • Petrology • Igneous Rocks • Sedimentary Rocks • Metamorphic Rocks • Structural Geology • Importance of Geological Structures • Ground Water • Stratigraphy • Earthquakes • Landslides • Geophysical Investigations • Geophysical Investigations of Civil Engineering Importance • Engineering Properties of Rocks • Dams • Reservoirs • Tunnels • Bibliography Index



Author: K S Valdiya

ISBN: 978-0230-32833-4 | PB

Pages: 848 | Price: ₹ 242.00

Rights: World

About the Book

Encompassing a broad array of information related to structure and tectonics, stratigraphy and palaeontology, sedimentation and palaeogeography, petrology and geochemistry, geomorphology and geophysics, the book *The Making of India* presents, in a concise format, a simplified and coherent history of geological dynamical history of the Indian continent (including Sri Lanka, Bangladesh, Myanmar, Southern Tibet and Pakistan). It is an account of the geodynamic developments that took place from the beginning, around 3.4 billion years ago, to the Recent at about 10,000 years before present. Presented in a distilled form, the observations and deductions of workers (including those silent geologists whose contributions have gone and remain 'unhonoured and unsung'), this book is meant for teachers, researchers and students of geology, geophysics and geomorphology as well as practitioners of earth sciences. A comprehensive list of original works would provide lead to those who seek details and wish to go into the depth of problems.

Contents

Physiographic Layout of Indian Subcontinent • Geological Terranes of Indian Continent • Archaean Craton: Southern India • Archaean Cratons in Central, Eastern and Western India • Palaeoproterozoic Mobile Belts in Peninsular India • Mesoproterozoic Eastern Ghat Mobile Belt • Southern Granulite Terrane of Pan-African Rejuvenation • Intracratonic Purana Basins in Peninsular India: Mesoproterozoic History • Neoproterozoic Intracratonic Basins in Peninsular India • Early Proterozoic in the Himalaya: Rocks, Metamorphism and Igneous Activities



Author: Sunil Sharma

ISBN: 978-1403-91090-5 | PB

Price: ₹ 375.00

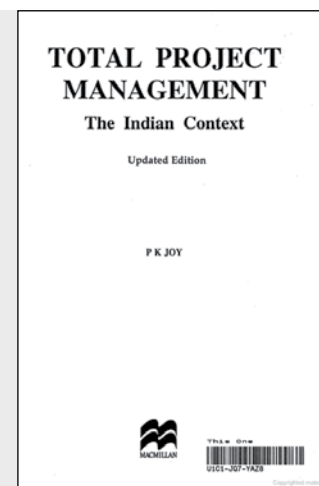
Rights: World

About the Book

A unique treatise on Total Quality Management (TQM), this book deals with both management as well as engineering aspects of planning, designing, controlling and improving quality in manufactured products. The interface of Total Quality (TQ) with a wide spectrum of activities ranging from design, purchasing, manufacturing, process control, safety and maintenance to installation, servicing and customer satisfaction has been covered.

Contents

Evolution and Existing Models of Total Quality Management • TQM and Design • TQM and Organization • TQM and Purchasing and Supply Management • TQM and Manufacturing Technology and Systems • TQM and the Customer • Toolkit for TQM • Quality Management Systems • Epilogue • References • Index



Author: P K Joy

ISBN: 978-0333-92624-6 | HB

Pages: 624 | Price: ₹ 480.00

Rights: World

About the Book

In this book, a highly successful manager shares his large reservoir of experience on all aspects of project management, specifically within the Indian context. The wide coverage makes the book unique and invaluable to everyone concerned with management in India.

Contents

Development Projects in the Indian Economy • An Introduction to Project Overruns and the Techniques to Combat Them • Technical and Financial Feasibility Studies/ Appraisals • Project Clearances • Project Financing • Technology Transfer and Foreign Collaboration • Appointment of Consultants • Management of Project Engineering and CADD • Project Planning and Organizing • CPM and Other Project Planning Techniques • Procurement and Materials Management • Contracting and Construction Management • Special Features of Brown-field Projects and Plant Relocation Projects • People's Commitment and Project Success • Project Control • Social Responsibility, Environmental Care and Safety • Commissioning, Start-up, Stabilization and Closeout • Appendix • Some Useful Addresses • Bibliography • Index

Advances In Micro-Electro Mechanical Systems

Author: Chakrabarti
ISBN: 978-0230-32186-1
Price: ₹ 450.00

Advances in Technologically Important Crystals

Author: Tandon
ISBN: 978-1403-93152-8
Price: ₹ 1,200.00

Electrical Power Systems Planning

Author: Pabla
ISBN: 978-0333-93067-0
Price: ₹ 585.00

Advanced Optoelectronic Materials and Devices (AOMD– 2008)

Authors: Chakrabarti
ISBN: 978-0230637184 | PB
Price: ₹ 1,200.00

Chemical Methods for Environmental Analysis

Authors: Ramesh
ISBN: 978-0333-92281-1
Price: ₹ 215.00

Mitigation of Pollutants for Clean Environment

Author: Selvasekaranpandian
ISBN: 978-0230-63334-6 | HB
Pages: 654 | Price: ₹ 1,800.00

Advances In Energy Research (AER 2006)

Author: Banerjee
ISBN: 978-0230-63006-2
Price: ₹ 1,050.00

Computing in High Energy and Nuclear Physics (Vol I)

Author: Banerjee
ISBN: 978-0230-63016-1
Price: ₹ 1,800.00

Emerging Trends in Elec- tronic and Photonic De- vices and Systems

Author: Chakrabarti
ISBN: 978-0230-32851-8
Price: ₹ 1,800.00

Advances in Information & Communication Technology

Authors: Pal & Garg
ISBN: 978-0230-63437-4
Price: ₹ 995.00

Computing in High Energy and Nuclear Physics (Vol II)

Authors: Banerjee
ISBN: 978-0230-63017-8
Price: ₹ 1,800.00

Engineering Thermodynamics

Author: Single
ISBN: 978-0333-90983-6
Price: ₹ 178.00

Advances In Performance & Safety Of Complex Systems

Author: Verma
ISBN: 978-0230-63441-1
Price: ₹ 1,800.00

Digital Electronics

Author: Kapoor
ISBN: 978-0333926598
Price: ₹ 198.00

Exploration Geology and Geoinformatics

Author: Anbazhagan
ISBN: 978-0230-63867-9
Price: ₹ 2,400.00

Fluid Mechanics for Engineers (Vol. I)*Author:* Chatterjee

ISBN: 978-0333-90971-3

Price: ₹ 198.00

Innovations in Ferro Alloy Industry (INFACON XI) (Vol I)*Author:* Das & Sunderesan

ISBN: 978-0230-63069-7

Price: ₹ 1,800.00

Measurements: Principles & Practices*Author:* Vardhan

ISBN: 978-0333-92931-5

Price: ₹ 46.00

Fluid Mechanics for Engineers (Vol. II)*Authors:* Chatterjee

ISBN: 978-0333-92684-0

Price: ₹ 185.00

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ISBN: 978-0230-63070-3

Price: ₹ 1,800.00

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ISBN: 978-0230-63460-2

Price: ₹ 1,200.00

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Price: ₹ 1,200.00

Heat and Mass Transfer*Authors:* Single

ISBN: 978-0333-92660-4

Price: ₹ 178.00

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Price: ₹ 450.00

Mobile, Ubiquitous & Pervasive Computing, Vol 2*Author:* Radhakrishnan

ISBN: 978-0230-63011-6

Price: ₹ 1,200.00

Industrial Drives*Author:* Ahmad

ISBN: 978-0333-92458-7

Price: ₹ 210.00

Luminiscence & Its Applications*Author:* Chandra

ISBN: 978-0230-63468-8

Price: ₹ 1200.00

National Conference on Design, Dynamics and Manufacturing*Author:* Rastogi

ISBN: 978-0230-63234-9

Price: ₹ 900.00

National Conference on Renewable Energy*Author:* Vyas

ISBN: 978-0230-32809-9

Price: ₹ 1,250.00

Recent trends in Applied Aerodynamics and Design (SAROD 2007)*Author:* Koner

ISBN: 978-0230-63419-0

Price: ₹ 1,500.00

Strength of Materials

Author: Srinath et al.
 ISBN: 978-0333-92392-4
 Price: ₹ 198.00

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Authors: Raju & Muthu
 ISBN: 978-0333-92424-2
 Price: ₹ 310.00

Recent Trends in Management, Technology and Environment

Authors: Chauhan
 ISBN: 978-0230-32820-4
 Price: ₹ 2,100.00

Structural Analysis of Historical Construction, Vol I

Author: Lourenco et al
 ISBN: 9978-1403-93155-9
 Price: ₹ 3,000.00

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Author: Shah
 ISBN: 978-0333-92546-1
 Price: ₹ 160.00

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Author: Dobhal
 ISBN: 978-0230-63681-1
 Price: ₹ 990.00

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Author: Lourenco et al
 ISBN: 978-1403-93156-6
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Authors: Kapur
 ISBN: 978-0230-63401-5
 Price: ₹ 1,800.00

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Authors: Selvasekarapandian
 ISBN: 978-0230-63567-8 | XB
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Structural Analysis of Historical Construction, Vol 3

Author: Lourenco et al
 ISBN: 978-1403-93157-3
 Price: ₹ 3,000.00

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Author: Acharya
 ISBN: 978-1403-93127-6
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Author: Selvasekarapandian
 ISBN: 978-1403-93023-1
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Authors: Mukunda
 ISBN: 978-0333-92950-6
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Author: Chatterjee & Ray
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 Price: ₹ 900.00

Ultrasonics

Author: Mishra
 ISBN: 978-0230-63689-7
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Author: Tiwari
 ISBN: 978-0230-63020-8
 Price: ₹ 900.00

Titles on Engineering from Palgrave

*Author:* Dyke

ISBN: 978-02305-7416-8 | PB

Price: £ 8.99

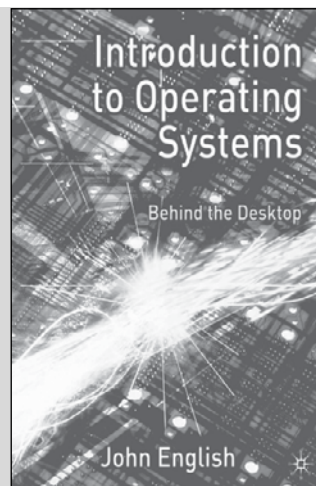
Rights: World

About the Book

A sound knowledge of Mechanics is fundamental to an understanding of much of physics and engineering. This book takes the reader through the fundamentals of the subject in as informal a manner as possible, without sacrificing mathematical rigour. The second edition has new material on orbits, rigid body mechanics and non linear dynamics to produce a more comprehensive text that serves the needs of undergraduate students of mathematics, physics and engineering.

Contents

- Kinematics
- Forces
- Forces as a Vector
- Collisions
- Motion Under Gravity
- Circular Motion
- Rotating Axes
- Vibrations
- Orbits
- Introduction to Rigid Body Dynamics
- Variable Mass Problems
- Nonlinear Dynamics
- Answers

*Author:* English

ISBN: 978-02300-0240-1 | PB

Price: ₹ 525

Rights: World

About the Book

Anyone who uses a computer is using an operating system, although very few people appreciate what an operating system is or what it does. The most visible part of an operating system is the graphical user interface (GUI) - and yet most of what an operating system does is completely invisible. Introduction to Operating Systems: Behind the Desktop takes a unique approach to the teaching of operating systems, starting with what you will already know - the GUI desktop - before taking you behind, below and beyond the scenes to explore those 'invisible' aspects of the subject. No prerequisite knowledge is assumed other than a general knowledge of programming.

Contents

PART 1: BEHIND THE DESKTOP
 Behind the Desktop
 Using an Operating System
 Filesystems
 Processes and Threads
 PART 2: BENEATH THE DESKTOP
 Memory Management
 Hardware Support
 The Kernel
 Device Drivers
 PART 3: BEYOND THE DESKTOP
 Multiprocessor Systems
 Networking Technologies
 Distributed Systems
 Safety and Security
 Glossary
 Bibliography
 Index
 References

*Author:* Hart

ISBN: 978-02305-7411-3 | PB

Price: £ 8.99

Rights: World

About the Book

This new edition aims to guide undergraduate students through the first year of their mathematics course. It provides a rigorous introduction to Analysis, which takes into account the difficulties students often face when making the transition from A-level mathematics to this higher level. Plenty of examples are provided, some of which have full, detailed solutions, and others which encourage the student to discover and investigate the ideas themselves. Hints are provided, but the book aims to build confidence and understanding in all topics. This second edition has two new substantial chapters, covering integration and power series, and is updated throughout, taking into account changes in notation

Contents

Preface
 Introduction
 Numbers and Number Systems
 Sequences
 Infinite Series
 Functions
 Differentiable Functions
 Integration
 Power series
 Index



Author: Hulse

ISBN: 978-14039-3704-9 | PB

Price: £ 7.50

Rights: World

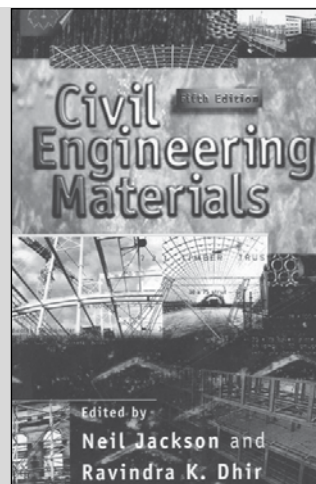
About the Book

This second edition of Structural Mechanics is an expanded and revised successor to the highly successful first edition, which over the last ten years has become a widely adopted standard first year text. The addition of five new programmes, together with some updating of the original text, now means that this book covers most of the principles of structural mechanics taught in the first and second years of civil engineering degree courses.

- Adopts a programmed learning format, with a focus on student-centred learning
- Now covering the major part of the Structural Mechanics/Analysis syllabuses of most Civil Engineering degree courses up to second year level.

Contents

- Revision of the Fundamentals of Statics
- Simple Structures (Loads and Reactions)
- Pin Jointed Frame Structures
- Shearing Forces and Bending Moments
- Stress Analysis (Direct Stresses)
- Bending Stresses
- Combined Bending and Direct Stresses
- Shear Stresses
- Torsional Stresses
- Stress Transformations and Mohr's Circle of Stress
- Composite Sections
- Beam Deflections and Rotations
- Strain Energy
- Virtual Work
- Moment Distribution and Statically Indeterminate Structures
- The Slope Deflection Method
- Influence Lines
- Elastic Buckling of Axially Loaded Compression Members
- Plastic Analysis
- Appendix



Author: Jackson

ISBN: 978-02305-7430-4 | PB

Price: £9.99

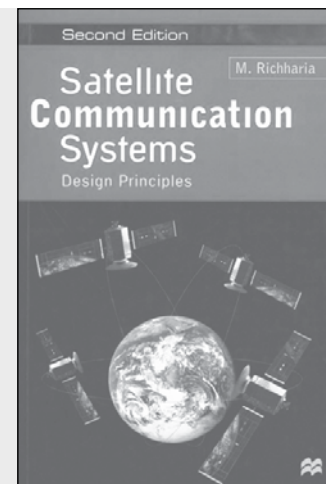
Rights: World

About the Book

This text will appeal to undergraduate students of civil engineering, construction technology, architecture and related disciplines. Throughout the book the underlying theme is an emphasis on the factors affecting engineering decisions in order to promote an awareness of material behaviour in both design and construction.

Contents

Preface - Acknowledgements - European Standards - List of Contributors - Introduction - PART 1: METALS; V.John - Introduction - Structure of Metals - Deformation of Metals - Strengthening Mechanisms - Behaviour in Service - Metallic Materials in Construction - PART 2: TIMBER; J.G.L.Munday - Introduction - Structure of Wood - Production of Solid Timber Sections - Durability of Timber - Properties and Uses of Solid Timber - Processed Timber Products - PART 3: CONCRETE; R.K.Dhir & N.Jackson - Constituent Materials - Properties of Fresh Concrete - Properties of Hardened Concrete - Concrete Durability - Assessment of In-situ Concrete Quality - Concrete Mix Design and Quality Control - PART 4: BITUMINOUS MATERIALS; J.M.Edwards - Introduction - Bituminous Binders - Properties of Bitumen-aggregate Mixes - Design of Bitumen-aggregate Mixes PART 5: SOILS; D.G.McKinlay - Introduction - Formation, Exploration and Sampling of Soils - Bulk Properties - Coarser and Finer-grained Soils - Soil Classification - Water in Soils - Compressibility of Soil - Shear Strength of Soil - Soil Stabilisation by Compaction - Engineering Applications - PART 6: POLYMERS; C.Hall - Introduction - Materials Science of Polymers - Polymer Technology - Properties of Polymer Materials - Polymers in Civil Engineering - PART 7: BRICKS AND BLOCKS; R.K.Dhir, C.Hall & N.Jackson - Introduction - Clay Brick - Calcium Silicate Brick - Concrete Block - Brickwork and Blockwork - Index



Author: Richharia

ISBN: 978-03339-8776-6 | PB

Price: ₹ 495

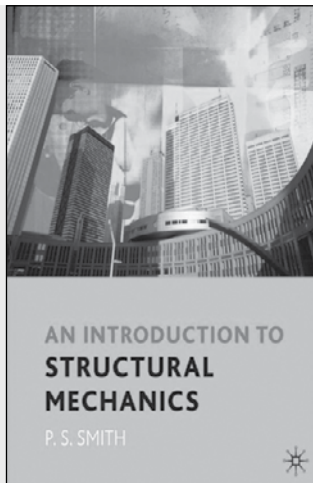
Rights: World

About the Book

This state-of-the-art guide offers an in-depth treatment of the elements and components that comprise satellite communication systems. The book takes the reader step-by-step through the principles and methods of system design - all in easy-to-understand language avoiding long mathematical derivations.

Contents

Introduction
Satellite Orbits
Frequency and Propagation Considerations
Communication Link Design
Modulation
Coding
Baseband Signals
Multiple Access Techniques
Communication Satellites
Earth Station
Non-geostationary Orbit Satellite Systems
Future Trends



Author: Smith

ISBN: 978-02305-7429-8 | PB

Price: £ 8.99

Rights: World

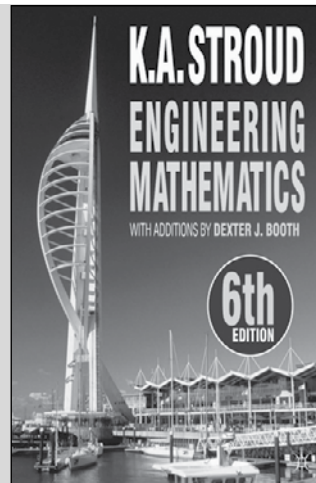
About the Book

An Introduction to Structural Mechanics aims to teach the fundamental principles of structures via simple explanations of the theory and numerous worked examples. The emphasis throughout is on problem-based learning. The worked examples start from a fundamental level and progress to more difficult, intricate and taxing problems. Early examples assume little or no experience in the subject matter, but soon propel the reader forward to solving complex, practically-based structural systems. Further problem - with solutions - aim to further bolster learning at the end of each chapter.

The book will provide a powerful learning or revision tool for undergraduate civil engineering or building students.

Contents

- Preface
- Introduction & Load Path
- Section Properties and Moment of Resistance
- Analysis of Beams
- Analysis of Three Pin Frames
- Deflection of Beams and Frames
- Pin Jointed Frames
- Torsion and Torque
- Combined Stress
- Index



Author: Stroud

ISBN: 978-02305-7354-3 | PB

Price: ₹ 595

Rights: World

About the Book

Engineering Mathematics is the best-selling introductory mathematics text for students on science and engineering degree and pre-degree courses. Sales of previous editions stand at more than half a million copies. It is suitable for classroom use and self-study. Its unique programmed approach takes students through the mathematics they need in a step-by-step fashion with a wealth of examples and exercises. The book is divided into two sections with the Foundation section starting at Level 0 of the IEng syllabus and the main section extending over all elements of a first year undergraduate course. The book therefore suits a full range of abilities and levels of access. The online personal tutor guides students through exercises in the same step-by-step fashion as the book, with hundreds of full workings to questions.

Contents

- PART I Foundation Topics
- Arithmetic
- Introduction to algebra
- Expressions and equations
- Graphs
- Linear equations and simultaneous Linear equations
- Polynomial equations
- Partial fractions
- Trigonometry
- Binomial series
- Differentiation
- Integration
- Functions
- PART II
- Complex numbers 1
- Complex number 2
- Hyperbolic functions
- Determinants
- Matrices
- Vectors
- Differentiation

Digital Signal Processing

Author: Terrell

ISBN: 978-03339-4660-2 | PB

Price: £4.00

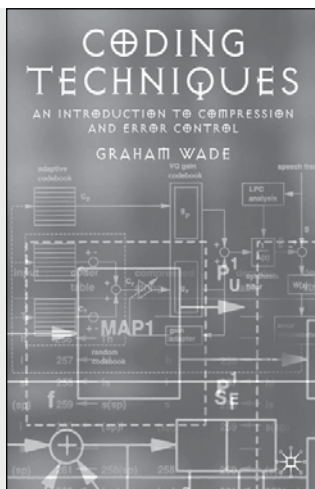
Rights: World

About the Book

Digital Signal Processing: Concepts and Applications, second edition covers the basic principles and operation of DSP devices. Its aim is to give the student the essentials of this mathematical subject in a form that can be easily understood and assimilated. The text concentrates on discrete systems, starting from digital filters and discrete Fourier transforms. These are then extended into adaptive filters and spectrum analysers with the minimum of mathematical derivation, concentrating on demonstrating the performance which is achievable from these processors in communications and radar system applications. This new edition has been updated to include learning outcomes and summaries and provide more examples. The text has been completely redesigned and is presented in a clear and easy-to-read style.

Contents

- Preface
- Acknowledgements
- Abbreviations
- Principal symbols
- Special functions
- Introduction
- Signal Representation and System Response
- Time-domain Description and Convolution
- Transfer Function and System Characterisation
- Sampled Data Systems and the z-transform
- Infinite Impulse Response Digital Filters
- Finite Impulse Response Digital Filters
- Analysis of Random Signals
- Adaptive Filters
- The Fourier Transform and Spectral Analysis
- The Fast Fourier Transform
- Multirate Signal Processing



Author: Wade

ISBN: 978-14039-4731-4 | PB

Price: ₹ 525.00

Rights: World

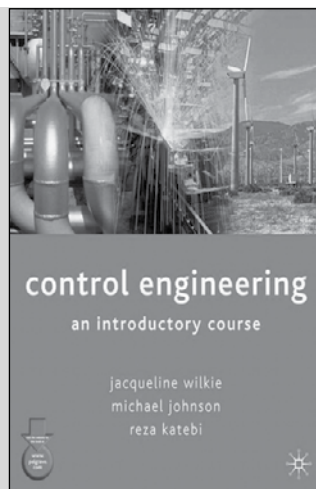
About the Book

Coding techniques: An Introduction to Compression and Error Control provides a unique collation of compression, transmission, and error control coding techniques. At the start of the 21st century these techniques have matured into complex signal compression algorithms, such as MPEG video coding, and into complex error correction algorithms as found in Turbo codes.

Coding techniques are in widespread use, from the simple methods found in facsimile and Teletext, to lossless and lossy file storage on disk, to low bit rate videophones, to JPEG, JBIG, and wavelet image compression. They are also found in digital recording, CELP speech coders for personal communications, video watermarking, radio data systems, and coding for deep space transmission from satellites. This book provides the theoretical basis for these and similar coding techniques. This new textbook commences at a fundamental level, and covers most compression and coding material found in undergraduate engineering courses. It also includes advanced material and design tables and so will be a useful reference for postgraduate students and engineers in industry.

Contents

PCM Signals and Systems
Lossless Source Coding
Lossy Source Coding
Line Codes and Scrambling Techniques
Error Control Systems
Error Control Block Codes
Convolutional Codes
Problems
Appendix A C-Routine for BCH decoding
Index



Author: Wilkie

ISBN: 978-14039-0559-8 | PB

Price: £7.50

Rights: World

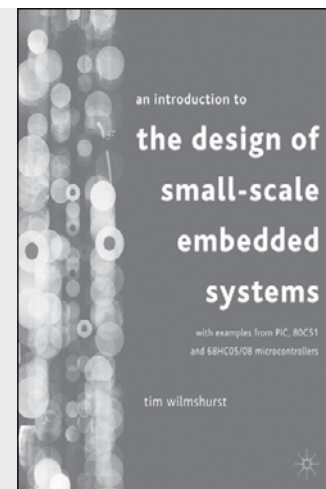
About the Book

Control Engineering "An Introductory Course" is aimed at second or third year courses in Electrical and Mechanical Engineering, and provides for the needs of these courses without being over-burdened with detail.

The authors work in one of the foremost centres in Europe for Control Engineering, and bring both teaching and practical consultancy experience to the text, which links theoretical approaches to actual case histories. Including an introduction to the software tools of MATLAB and SIMULINK, this book also includes simulations and examples throughout, and will give a straightforward and no-nonsense introduction to Control Engineering for students, and those wishing to refresh their knowledge.

Contents

Content : Introduction
Tools for the Control Engineer
Software Toolkit: MATLAB
Software Toolkit: Simulink
Modelling and Block Diagrams
Simple Systems: first-order behaviour
Simple Systems: second-order behaviour
Feedback improves system performance
Design Specifications on System Time Response
Poles, Zeros and System Stability
Three Term Control: PID Control
PID Control: The Background to Simple Tuning Methods
Root Locus for Analysis and Design
The Frequency Domain
Frequency Response using Bode Plot Presentation
Controller Design using the Bode plot
Analysis and Simple Design using the Nichol's chart
Practical Aspects of PID control
PID Controller Tuning Methods
Introducing a State Variable Description of a System
Linearisation of Systems from the Non-linear World
Analysis of State Variable Systems
An introduction to Control using State Variable System Models



Author: Wilmshurst

ISBN: 978-14039-0683-0 | PB

Price: £7.50

Rights: World

About the Book

This book offers a comprehensive and balanced introduction to the design of small embedded systems. Important topics covered include microcontroller architectures, memory technologies, data conversion, serial protocols, program design, low power design, and design for the real time environment. The final chapter ingeniously applies systematic engineering design principles to embedded system design. While the Microchip PIC 16F84 is used extensively to illustrate the early material, examples elsewhere are drawn from a range of microcontroller families, leading to a broad view of device capabilities.

Contents

Introduction
Abbreviations
Introducing Embedded Systems and the Microcontroller
From Humble Beginnings: Towards the Minimum System
Preliminary Programming
Memory Matters
Analog Affairs
Strictly Serial
Systematic Software
Dealing with Time
Interfacing to External Devices
Supplying and Using Power, in a Power-Conscious World
Dealing with Numbers
Designing and Commissioning the System
Answers to Selected Numerical Questions
Appendix 1 Binary, Hexadecimal and BCD
Appendix 2 The 16F84 Instruction Set
Appendix 3 A Versatile Microcontroller Based Digital Panel Meter
Appendix 4 Addressing Modes Address Decoding and the Memory Map
Index



Author: Zhang

ISBN: 978-02305-7426-7 | PB

Price: £8.99

Rights: World

About the Book

Solid Mechanics for Engineers introduces the basics of solid mechanics to engineers from a practical point of view. The aim is to impart understanding from both a physical and a mathematical point of view; physical mechanisms of material properties, the theory of solid mechanics, solution methodology and direct engineering applications are therefore presented as an organic whole.




The book introduces the fundamental skills of mechanics modelling, so that students and engineers who have mastered the mathematics know how to apply it to solve real engineering problems. The book also demonstrates the central role of practical modelling and analytical solution in solving problems correctly and efficiently using a numerical method such as the finite element method.

The materials in the book have been organised according to an approach in which engineering examples are often discussed before introducing a new concept or a new method of solution. It is expected that this way the reader may understand more directly why the theories are needed and hence become more interested in achieving a more in-depth understanding.

Contents

The Approach to Study
 Basic Assumptions
 Stress
 Displacement and Strain
 Stress-Strain Relationship
 Modelling and Solution
 Applications
 Stress Function Method
 Plasticity and Failure
 An Introduction to the Finite Element Method

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