

Ma9110 Operations Research Notes

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RHETT BUCK

Brey Alpha Science Int'l Ltd. Software Testing Techniques, 2nd Edition is the first book-length work that explicitly addresses the idea that design for testability is as important as testing itself not just by saying that testability is a desirable goal, but by showing the reader how it to do it. Every chapter has testability guidelines that illustrate how the technique discussed in the chapter can be used to make software more easily tested and therefore more reliable and maintainable. Application of all techniques to unit, integration, maintenance, and system testing are discussed throughout this book. As a self-study text, as a classroom text, as a working reference, it is a book that no programmer, independent software tester, software engineer, testing theorist, system designer, or software project manager can be without.

An Integrated Approach to Software Engineering Dreamtech Press
Essential skills made easy! Written by Herb Schildt, the world's leading programming author, this step-by-step book is ideal for first-time programmers or those new to C++. The modular approach of this series, including sample projects and progress checks, makes it easy to learn to use C++ at your own pace.

Distributed and Cloud Computing Oxford University Press, USA

With Contributions by Capers Jones, Howard Rubin, David Garmus, Lawrence Putnam, and Elizabeth Clark The accurate, quantitative measurement of software quality and process performance is rapidly becoming an essential part of competition in the ever-tightening software marketplace. Software metrics provide insights into productivity and quality gains from improvements in skill, technology, and development methodology. An effective metrics program helps practitioners assemble the best team, select the optimal development methodology, and enhance the quality of a software product. In short, metrics enable software developers to pursue proven, successful strategies, and to change

course when metrics point to less-than-optimum quality or productivity. Written by the world's leading authorities in the field, IT Measurement showcases state-of-the-art in software metrics and provides the practical knowledge that practitioners need in order to take full advantage of software metrics technology. The book's collected articles offer important perspectives on the role of metrics in the development process, and show how metrics directly enhance software quality and output efficiency. The book explores several vital areas, including Function Point Analysis, project estimation and management, outsourcing, statistical process control, and more. These articles range from basic theory to the sophisticated application of metrics. Specific topics covered include: The expanding role of function point metrics Work output measurement for IT work units The use of metrics for tracking Enhanced estimation with metrics Metrics in outsourcing Standardization of SLOC The application of SPC to performance management Functional metrics in B2B e-commerce project success Enlightening and pragmatic, IT Measurement will help you gain a deeper understanding of software metrics and the ability to apply concrete measures in order to objectively evaluate and more finely shape your software development program. 020174158XB02212002
Software Quality Assurance Springer Science & Business Media
Software Quality Assurance (SQA) as a professional domain is becoming increasingly important. This book provides practical insight into the topic of Software Quality Assurance. It covers discussion on the importance of software quality assurance in the business of Information Technology, covers key practices like Reviews, Verification & Validation. It also discusses people issues and other barriers in successful implementation of Quality Management Systems in organization. This work presents methodologies, concepts as well as practical scenarios while deploying Quality Assurance practices and integrates the underlying principle into a complete reference book on this topic. -- Publisher description.

Object Oriented Systems

Development McGraw Hill Professional
Covers O-O concepts, tools, development life cycle, problem solving, modeling, analysis, and design, while utilizing UML (Unified Modeling Language) for O-O modeling. UML has become the standard notation for modeling O-O systems and is being embraced by major software developers like Microsoft and Oracle.
Guide to Computer Network Security Pearson Higher Ed

For courses in Software Engineering, Software Development, or Object-Oriented Design and Analysis at the Junior/Senior or Graduate level. This text can also be utilized in short technical courses or in short, intensive management courses. Shows students how to use both the principles of software engineering and the practices of various object-oriented tools, processes, and products. Using a step-by-step case study to illustrate the concepts and topics in each chapter, Bruegge and Dutoit emphasize learning object-oriented software engineer through practical experience: students can apply the techniques learned in class by implementing a real-world software project. The third edition addresses new trends, in particular agile project management (Chapter 14 Project Management) and agile methodologies (Chapter 16 Methodologies).

Security in Computing

Apress
Alastair Cockburn offers advice on bringing difficult software development projects to a successful conclusion with a minimum of stress. The volume is based on over 10 years of interviewing software project teams.

Ad Hoc Networking

Barnes & Noble Publishing
Keeping students on the forefront of technology, this text offers a practical reference to all programming and interfacing aspects of the popular Intel microprocessor family.

Virtual Machines Pearson Education India
This book covers four areas of parallel computing: principles, technology, architecture, and programming. It is suitable for professionals and undergraduates taking courses in computer engineering, parallel processing, computer architecture, scaleable computers or distributed computing.

Engineering Ethics Wadsworth Publishing Company

This book provides a detailed understanding of the broad issues in artificial intelligence and a survey of current AI technology. The author delivers broad coverage of innovative representational techniques, including neural networks, image processing and probabilistic reasoning, alongside the traditional methods of symbolic reasoning. The work is intended for students in artificial intelligence, researchers and LISP programmers.

Artificial Intelligence Cengage Learning
This book assumes no background knowledge of programming, and still provides an exhaustive understanding of C and its applications. Packed with Sample Programs and practical ideas for C applications, this book is ideal for programmers who are new to C, and wish to explore the immense potential of this language. The author provides every aspect of C in detail. Some of the important features of this book are - Over 150 fully tested programming examples, Exercises at end of each chapter, Exhaustive discussion on Pointers, Advanced concepts like structures, union and bitwise operators discussed in detail, Appendix on common programming errors, Contents arranged as per DOEA and B level examination syllabus. All these features make this book ideal for a computer student, teacher or a professional programmer. In short, if you are ready to tap the power of C this book would provide you quite a few treasures.

Advanced Accountancy Pearson Education

Over The Years Advanced Accountancy Has Emerged As The Definitive And Comprehensive Textbook On Accountancy As It Completely Meets The Requirements Of Students Preparing For B.Com., M.Com., Mba, And Professional Examinations Conducted By Different Institutions, Such As The Institute Of Chartered Accountants Of India (Icai), The Indian Institute Of Bankers (Iib), The Institute Of Company Secretaries Of India (Icsi), And The Institute Of Cost & Works Accountants Of India (Icwai).

Software Testing Techniques Morgan Kaufmann

This timely textbook presents a comprehensive guide to the core topics in cybersecurity, covering issues of security that extend beyond traditional computer networks to the ubiquitous mobile communications and online social networks that have become part of our daily lives. In the context of our growing dependence on an ever-changing digital

ecosystem, this book stresses the importance of security awareness, whether in our homes, our businesses, or our public spaces. This fully updated new edition features new material on the security issues raised by blockchain technology, and its use in logistics, digital ledgers, payments systems, and digital contracts. Topics and features: Explores the full range of security risks and vulnerabilities in all connected digital systems Inspires debate over future developments and improvements necessary to enhance the security of personal, public, and private enterprise systems Raises thought-provoking questions regarding legislative, legal, social, technical, and ethical challenges, such as the tension between privacy and security Describes the fundamentals of traditional computer network security, and common threats to security Reviews the current landscape of tools, algorithms, and professional best practices in use to maintain security of digital systems Discusses the security issues introduced by the latest generation of network technologies, including mobile systems, cloud computing, and blockchain Presents exercises of varying levels of difficulty at the end of each chapter, and concludes with a diverse selection of practical projects Offers supplementary material for students and instructors at an associated website, including slides, additional projects, and syllabus suggestions This important textbook/reference is an invaluable resource for students of computer science, engineering, and information management, as well as for practitioners working in data- and information-intensive industries.

Modern Systems Analysis and Design, 5/e Springer Nature

In this new first edition, well-known author Behrouz Forouzan uses his accessible writing style and visual approach to simplify the difficult concepts of cryptography and network security. While many security books assume knowledge of number theory and advanced math, or present mainly theoretical ideas, Forouzan presents difficult security topics from the ground up. A gentle introduction to the fundamentals of number theory is provided in the opening chapters, paving the way for the student to move on to more complex security and cryptography topics. Difficult math concepts are organized in appendices at the end of each chapter so that students can first learn the principles, then apply the technical background. Hundreds of examples, as well as fully coded programs, round out a practical, hands-on approach

which encourages students to test the material they are learning.

C++ Programming (2Nd Ed.) Prentice Hall

Django, the Python-based Web development framework, is one of the hottest topics in Web development today. Its creator (and co-author of this book) Adrian Holovaty has built a compelling array of Web applications using Django, including <http://chicagocrime.org>. Django creator Adrian Holovaty and lead developer Jacob Kaplan-Moss have created this book as the definitive guide to the technology. Beginning with fundamentals such as installation and configuration, the book tackles sophisticated features of Django, such as outputting non-HTML content such as RSS feeds and PDFs, caching, and user management. Also includes a detailed reference to Django's many configuration options and commands.

Developing Communication Skills McGraw-Hill Science, Engineering & Mathematics

A comprehensive text based on the results of a scientific analysis of the communication needs of professionals.

Programming Languages Pearson Education India

This book is the definitive guide to SNMP-based network and internetwork management for network administrators, managers, and designers. Concise, focusing on practical issues, and completely up to date, it covers SNMPv1, SNMPv2, and the most recent SNMPv3, as well as RMON 1 and RMON 2. The book provides an extensive discussion on standard MIBs (Management Information Bases), including MIB-II and the all-important Ethernet Interface MIB for Internet connections. In addition, the book presents RMON 1 and RMON 2 enhancements, looking at statistics collection, alarms, and filters, as well as the extensions to RMON 1 for RMON 2 devices.

IT Measurement Addison-Wesley Professional

Details the different activities of software development with a case-study approach whereby a project is developed through the course of the book The sequence of chapters is essentially the same as the sequence of activities performed during a typical software project.

SNMP, SNMPv2, SNMPv3, and RMON 1 And 2 (paperback) Pearson Education India

Practical design and performance solutions for every ad hoc wireless network Ad Hoc Wireless Networks comprise mobile devices that use wireless transmission for communication. They can be set up

anywhere and any time because they eliminate the complexities of infrastructure setup and central administration-and they have enormous commercial and military potential. Now, there's a book that addresses every major issue related to their design and performance. *Ad Hoc Wireless Networks: Architectures and Protocols* presents state-of-the-art techniques and solutions, and supports them with easy-to-understand examples. The book starts off with the fundamentals of wireless networking (wireless PANs, LANs, MANs, WANs, and

wireless Internet) and goes on to address such current topics as Wi-Fi networks, optical wireless networks, and hybrid wireless architectures. Coverage includes: Medium access control, routing, multicasting, and transport protocols QoS provisioning, energy management, security, multihop pricing, and much more. In-depth discussion of wireless sensor networks and ultra wideband technology. More than 200 examples and end-of-chapter problems. *Ad Hoc Wireless Networks* is an invaluable resource for

every network engineer, technical manager, and researcher designing or building ad hoc wireless networks. **Object-Oriented Software Engineering Using UML, Patterns, and Java** McGraw-Hill Professionals Bestselling author and programming guru Herb Schildt brings you Java 2 essentials in this newly updated introductory guide. Covering the latest I/O classes and features, this book teaches you Java 2 fundamentals through hands-on projects, end-of-module reviews, annotated code samples, and Q&A sections.