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### KEY=MANUAL - CABRERA CRAWFORD

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### COMPUTATIONAL LOGIC IN MULTI-AGENT SYSTEMS

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### 13TH INTERNATIONAL WORKSHOP, CLIMA XIII, MONTPELLIER, FRANCE, AUGUST 27-28, 2012, PROCEEDINGS

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**Springer** This book constitutes the proceedings of the 13th International Workshop on Computational Logic in Multi-Agent Systems, CLIMA XIII, held in Montpellier, France, in August 2012. The 11 regular papers were carefully reviewed and selected from 27 submissions and presented with three invited papers. The purpose of the CLIMA workshops is to provide a forum for discussing techniques, based on computational logic, for representing, programming and reasoning about agents and multi-agent systems in a formal way.

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### SITE RELIABILITY ENGINEERING

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### HOW GOOGLE RUNS PRODUCTION SYSTEMS

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"O'Reilly Media, Inc." In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world.

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### MINING OF MASSIVE DATASETS

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Cambridge University Press Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

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### BALLAST WATER MANAGEMENT

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### HOW TO DO IT

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This publication provides useful practical information to Governments, particularly those of developing countries, administrations, shipowners, port state control authorities, environmental agencies and other stakeholders on the implications of ratifying, implementing and enforcing the Ballast Water Management Convention. The aim is to encourage the further ratification and proper implementation and enforcement of the Convention. However, it should be noted that, the legal purposes, the authentic text of the Convention should always be consulted

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### ANDROID HACKER'S HANDBOOK

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John Wiley & Sons The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

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### CLINICAL PRACTICE GUIDELINES FOR CHRONIC KIDNEY DISEASE

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### CONTENT ANALYSIS

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### AN INTRODUCTION TO ITS METHODOLOGY

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SAGE The Second Edition of Content Analysis: An Introduction to Its Methodology is a definitive sourcebook of the history and core principles of content analysis as well as an essential resource for present and future studies. The book introduces readers to ways of analyzing meaningful matter such as texts, images, voices - that is, data whose physical manifestations are secondary to the meanings that a particular population of people brings to them. Organized into three parts, the book examines the conceptual and methodological aspects of content analysis and also traces several paths through content analysis protocols. The author has completely revised and updated the Second Edition, integrating new information on computer-aided text analysis. The book also includes a practical guide that incorporates experiences in teaching and how to advise academic and commercial researchers. In addition, Krippendorff clarifies the epistemology and logic of content analysis as well as the methods for achieving its aims. Intended as a textbook for advanced undergraduate and graduate students across the social sciences, Content Analysis, Second Edition will also be a valuable resource for practitioners in a variety of disciplines.

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### IBM TIVOLI DIRECTORY SERVER FOR Z/OS

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IBM Redbooks This IBM® Redbooks® publication examines the IBM Tivoli® Directory Server for z/OS®. IBM Tivoli Directory Server is a powerful Lightweight Directory Access Protocol (LDAP) infrastructure that provides a foundation for deploying comprehensive identity management applications and advanced software architectures. This publication provides an introduction to the IBM Tivoli Directory Server for z/OS that provides a brief summary of its features and an examination of the possible deployment topologies. It discusses planning a deployment of IBM Tivoli Directory Server for z/OS, which includes prerequisites, planning considerations, and data stores, and provides a brief overview of the configuration process. Additional chapters provide a detailed discussion of the IBM Tivoli Directory Server for z/OS architecture that examines the supported back ends, discusses in what scenarios they are best used, and provides usage examples for each back end. The discussion of schemas breaks down the schema and provides guidance on extending it.

A broad discussion of authentication, authorization, and security examines the various access protections, bind mechanisms, and transport security available with IBM Tivoli Directory Server for z/OS. This chapter also provides an examination of the new Password Policy feature. Basic and advanced replication topologies are also covered. A discussion on plug-ins provides details on the various types of plug-ins, the plug-in architecture, and creating a plug-in, and provides an example plug-in. Integration of IBM Tivoli Directory Server for z/OS into the IBM Workload Manager environment is also covered. This publication also provides detailed information about the configuration of IBM Tivoli Directory Server for z/OS. It discusses deploying IBM Tivoli Directory Server for z/OS on a single system, with examples of configuring the available back ends. Configuration examples are also provided for deploying the server in a Sysplex, and for both basic and advanced replication topologies. Finally it provides guidance on monitoring and debugging IBM Tivoli Directory Server for z/OS.

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## GLOBAL INNOVATION INDEX 2020

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### WHO WILL FINANCE INNOVATION?

**WIPO** The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

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## SOFTWARE QUALITY ASSURANCE

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### FROM THEORY TO IMPLEMENTATION

**Pearson Education** This book comprehensively covers the ISO 9000-3 requirements. IT also provides a substantial portion of the body of knowledge required for the CSQE (Certified Software Quality Engineer) as outlined by the ASQ (American Quality Engineer) as outlined by the ASQ (American Society for Quality).

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## OP AMPS FOR EVERYONE

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### DESIGN REFERENCE

**Newnes** The operational amplifier ("op amp") is the most versatile and widely used type of analog IC, used in audio and voltage amplifiers, signal conditioners, signal converters, oscillators, and analog computing systems. Almost every electronic device uses at least one op amp. This book is Texas Instruments' complete professional-level tutorial and reference to operational amplifier theory and applications. Among the topics covered are basic op amp physics (including reviews of current and voltage division, Thevenin's theorem, and transistor models), idealized op amp operation and configuration, feedback theory and methods, single and dual supply operation, understanding op amp parameters, minimizing noise in op amp circuits, and practical applications such as instrumentation amplifiers, signal conditioning, oscillators, active filters, load and level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and output isolation, using decoupling capacitors, and frequency characteristics of passive components. The material in this book is applicable to all op amp ICs from all manufacturers, not just TI. Unlike textbook treatments of op amp theory that tend to focus on idealized op amp models and configuration, this title uses idealized models only when necessary to explain op amp theory. The bulk of this book is on real-world op amps and their applications; considerations such as thermal effects, circuit noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail. \*Published in conjunction with Texas Instruments \*A single volume, professional-level guide to op amp theory and applications \*Covers circuit board layout techniques for manufacturing op amp circuits.

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## XPert MTB/RIF IMPLEMENTATION MANUAL

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### TECHNICAL AND OPERATIONAL HOW-TO : PRACTICAL CONSIDERATIONS

In December 2010, WHO first recommended the use of the Xpert MTB/RIF assay. The WHO's policy statement was supported by a rapid implementation document, which provided the technical "how-to" and operational considerations for rolling out the use of the assay. An unprecedented uptake of this new technology followed the release of WHO's policy: by the end of March 2014, more than 2,300 GeneXpert instruments and more than 6 million Xpert MTB/RIF cartridges had been procured in the public sector in 104 countries eligible for concessional prices. An Expert Group was convened by WHO in May 2013 to review the current body of evidence on use of Xpert MTB/RIF. The resulting recommendations from the Expert Group are included in the WHO Policy update, which widens the recommended use of Xpert MTB/RIF, including for the diagnosis of paediatric TB and on selected specimens for the diagnosis of extrapulmonary TB, and includes an additional recommendation on the use of Xpert MTB/RIF as the initial diagnostic test in all individuals presumed to have pulmonary TB. The accompanying Xpert MTB/RIF implementation manual has been developed to replace the first edition and takes into consideration the current body of evidence and operational experiences available, in the context of the Policy update.

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## HANDBOOK ON CRANIOFACIAL SUPERIMPOSITION

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### THE MEPROCS PROJECT

**Springer** This open access handbook presents a trustable craniofacial superimposition methodological framework. It includes detailed technical and practical overviews, and discussions about the latest tools and open problems, covering the educational, technical, ethical, and security aspects of this forensic identification technique. The book will be of particular interest to researchers and practitioners in forensic anthropology and forensic ID, and also researchers in computational intelligence. It is the final result of a European project, New Methodologies and Protocols of Forensic Identification by Craniofacial Superimposition (MEPROCS). The project collaborators who contributed to this handbook are: S. Damas, O. Ibáñez, M.I. Huete, T. Kahana, C. Wilkinson, E. Ferguson, C. Erolin, C. Cattaneo, P.T. Jayaprakash, R. Jankauskas, F. Cavalli, K. Imaizumi, R. Vicente, D. Navega, E. Cunha, A.H. Ross, E. Veselovskaya, A. Abramov, P. Lestón, F. Molinero, E. Ruiz, F. Navarro, J. Cardoso, F. Viegas, D. Humpire, R. Hardiman, J. Clement, A. Valsecchi, B.R. Campomanes-Alvarez, C. Campomanes-Alvarez, A.S. Çağdır, T. Briers, M. Steyn, M. Viniero, D.N. Vieira, and O. Cordon.

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## BERGEY'S MANUAL OF SYSTEMATIC BACTERIOLOGY

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### VOLUME ONE : THE ARCHAEA AND THE DEEPLY BRANCHING AND PHOTOTROPHIC BACTERIA

**Springer** Bacteriologists from all levels of expertise and within all specialties rely on this Manual as one of the most comprehensive and authoritative works. Since publication of the first edition of the Systematics, the field has undergone revolutionary changes, leading to a phylogenetic classification of prokaryotes based on sequencing of the small ribosomal subunit. The list of validly named species has more than doubled since publication of the first edition, and descriptions of over 2000 new and realigned species are included in this new edition along with more in-depth ecological information about individual taxa and extensive introductory essays by leading authorities in the field.

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## FINANCIAL ACCOUNTING AND REPORTING

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Providing students with the skills to prepare and analyze company-only and consolidated financial statements, this book also looks at the theory behind asset valuation and income determination, and encourages students to develop an awareness of the limitations of

conventional financial statements. teaching and learning aids, such as discussion questions, reference to source material, further reading suggestions and worked examples. It is designed for undergraduate 2nd year financial accounting courses, 2nd/3rd year undergraduate business courses, and 1st year MBA/DMS courses.

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#### **THE MEASUREMENT OF SCIENTIFIC, TECHNOLOGICAL AND INNOVATION ACTIVITIES OSLO MANUAL 2018 GUIDELINES FOR COLLECTING, REPORTING AND USING DATA ON INNOVATION, 4TH EDITION**

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#### **GUIDELINES FOR COLLECTING, REPORTING AND USING DATA ON INNOVATION, 4TH EDITION**

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OECD Publishing What is innovation and how should it be measured? Understanding the scale of innovation activities, the characteristics of innovative firms and the internal and systemic factors that can influence innovation is a prerequisite for the pursuit and analysis of policies aimed at fostering innovation.

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#### **MANUAL OF DIGITAL EARTH**

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Springer Nature This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

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#### **MEASURING INEQUALITY**

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Oxford University Press This book deals with the theoretical and practical problems involved in measuring the extent of inequality. The book covers modern theoretical developments in inequality analysis, and shows how the way we think about inequality has been shaped by classic contributions in economics and related disciplines.

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#### **HANDBOOK ON SUSTAINABLE INVESTMENTS: BACKGROUND INFORMATION AND PRACTICAL EXAMPLES FOR INSTITUTIONAL ASSET OWNERS**

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CFA Institute Research Foundation A fast growing share of investors have recently widened their scope of analysis to criteria regarded as extra-financial. They are driven by different motivations. Adoption of sustainable investment strategies can be driven, on the one hand by the sole motivation to hedge portfolios against knowable risks by expanding the conceptual framework to incorporate the latest best practice in risk management. Other investors focus rather on a long-term view and make an active bet on societal change. Recent empirical research has shown that considering sustainability factors within investment practices does not come at a cost (i.e. through a reduced opportunity set) but allows for competitive returns. Furthermore, the growing market and resulting competition in the wake of sustainable investing going mainstream has the welcome effect to compress fees for such products. Hence, staying informed about recent trends in sustainable investing is imperative no matter what the main motivation is.

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#### **QUANTIFYING UNCERTAINTY IN ANALYTICAL MEASUREMENT**

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#### **USING MATHEMATICA FOR QUANTUM MECHANICS**

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#### **A STUDENT'S MANUAL**

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Springer Nature This book revisits many of the problems encountered in introductory quantum mechanics, focusing on computer implementations for finding and visualizing analytical and numerical solutions. It subsequently uses these implementations as building blocks to solve more complex problems, such as coherent laser-driven dynamics in the Rubidium hyperfine structure or the Rashba interaction of an electron moving in 2D. The simulations are highlighted using the programming language Mathematica. No prior knowledge of Mathematica is needed; alternatives, such as Matlab, Python, or Maple, can also be used.

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#### **WHO/OIE MANUAL ON ECHINOCOCCOSIS IN HUMANS AND ANIMALS**

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#### **A PUBLIC HEALTH PROBLEM OF GLOBAL CONCERN**

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OIE

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#### **GLOBAL FINANCIAL STABILITY REPORT, APRIL 2012**

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#### **THE QUEST FOR LASTING STABILITY**

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International Monetary Fund The April 2012 Global Financial Stability Report assesses changes in risks to financial stability over the past six months, focusing on sovereign vulnerabilities, risks stemming from private sector deleveraging, and assessing the continued resilience of emerging markets. The report probes the implications of recent reforms in the financial system for market perception of safe assets, and investigates the growing public and private costs of increased longevity risk from aging populations.

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#### **SAFA**

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#### **SUSTAINABILITY ASSESSMENT OF FOOD AND AGRICULTURE SYSTEMS**

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Food and Agriculture Organization The Sustainability Assessment of Food and Agriculture systems (SAFA) Guidelines were developed for assessing the impact of food and agriculture operations on the environment and people. The guiding vision of SAFA is that food and agriculture systems worldwide are characterized by all four dimensions of sustainability: good governance, environmental integrity, economic resilience and social well-being.

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#### **INTRODUCTION TO EMBEDDED SYSTEMS**

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## A CYBER-PHYSICAL SYSTEMS APPROACH

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[MIT Press](#) An introduction to the engineering principles of embedded systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems.

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## EXCEL FOR SCIENTISTS AND ENGINEERS

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### NUMERICAL METHODS

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[John Wiley & Sons](#) Learn to fully harness the power of Microsoft Excel(r) to perform scientific and engineering calculations With this text as your guide, you can significantly enhance Microsoft Excel's(r) capabilities to execute the calculations needed to solve a variety of chemical, biochemical, physical, engineering, biological, and medicinal problems. The text begins with two chapters that introduce you to Excel's Visual Basic for Applications (VBA) programming language, which allows you to expand Excel's(r) capabilities, although you can still use the text without learning VBA. Following the author's step-by-step instructions, here are just a few of the calculations you learn to perform: \* Use worksheet functions to work with matrices \* Find roots of equations and solve systems of simultaneous equations \* Solve ordinary differential equations and partial differential equations \* Perform linear and non-linear regression \* Use random numbers and the Monte Carlo method This text is loaded with examples ranging from very basic to highly sophisticated solutions. More than 100 end-of-chapter problems help you test and put your knowledge to practice solving real-world problems. Answers and explanatory notes for most of the problems are provided in an appendix. The CD-ROM that accompanies this text provides several useful features: \* All the spreadsheets, charts, and VBA code needed to perform the examples from the text \* Solutions to most of the end-of-chapter problems \* An add-in workbook with more than twenty custom functions This text does not require any background in programming, so it is suitable for both undergraduate and graduate courses. Moreover, practitioners in science and engineering will find that this guide saves hours of time by enabling them to perform most of their calculations with one familiar spreadsheet package.

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## MANAGEMENT OF CHRONIC KIDNEY DISEASE

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### A CLINICIAN'S GUIDE

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[Springer](#) This book presents a comprehensive and instructive management plan for physicians who care for CKD patients. Basic aspects of CKD, clinical assessment, evaluation and management of risk factors, cardiovascular disease in the context of CKD, assessment and management of CKD complications, special circumstances in CKD patients, and the path to renal replacement therapy are all thoroughly covered. Diagnostic and therapeutic approaches are presented according to the latest staging system for CKD, with patient care being discussed separately for each disease stage. The proposed management plan is both "best available evidence based" and "practice based". The book also recognizes the needs of busy clinicians by including helpful boxes summarizing the evidence on diagnostic and therapeutic issues and practice pearls based on guidelines. The authors are recognized experts from across the world, ensuring global coverage of the problem, and most have participated in writing guidelines on CKD.

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## SUPPLY CHAIN MANAGEMENT

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### STRATEGY, PLANNING, AND OPERATION

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'Supply Chain Management' illustrates the key drivers of good supply chain management in order to help students understand what creates a competitive advantage. It also provides strong coverage of analytic skills so that students can gauge the effectiveness of the techniques described.

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## MATHEMATICS FOR COMPUTER SCIENCE

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This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

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## HEAD FIRST JAVA

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### A BRAIN-FRIENDLY GUIDE

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"[O'Reilly Media, Inc.](#)" Learning a complex new language is no easy task especially when it s an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new, second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

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## FAULT TREE HANDBOOK

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[Nuclear Regulatory Commission](#) Developed to serve as a text for the System Safety and Reliability Analysis course presented to Nuclear Regulatory Commission personnel and contractors. Codifies and systematizes the fault tree approach, a deductive failure analysis which focuses on one particular undesired event and provides a method for determining the causes of that event.

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## SIGNIFICANCE, PREVENTION AND CONTROL OF FOOD RELATED DISEASES

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**BoD - Books on Demand** Food-borne diseases are major causes of morbidity and mortality in the world. It is estimated that about 2.2 million people die yearly due to food and water contamination. Food safety and consequently food security are therefore of immense importance to public health, international trade and world economy. This book, which has 10 chapters, provides information on the incidence, health implications and effective prevention and control strategies of food-related diseases. The book will be useful to undergraduate and postgraduate students, educators and researchers in the fields of life sciences, medicine, agriculture, food science and technology, trade and economics. Policy makers and food regulatory officers will also find it useful in the course of their duties.

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## INTRODUCTION TO DATA MINING

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Pearson Education India

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## BIOFILM INFECTIONS

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**Springer** This book will cover both the evidence for biofilms in many chronic bacterial infections as well as the problems facing these infections such as diagnostics and treatment regimes. A still increasing interest and emphasis on the sessile bacterial lifestyle biofilms has been seen since it was realized that that less than 0.1% of the total microbial biomass lives in the planktonic mode of growth. The term was coined in 1978 by Costerton et al. who defined the term biofilm for the first time. In 1993 the American Society for Microbiology (ASM) recognised that the biofilm mode of growth was relevant to microbiology. Lately many articles have been published on the clinical implications of bacterial biofilms. Both original articles and reviews concerning the biofilm problem are available.

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## ARCHITECTS' DATA

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**Wiley-Blackwell** This is an essential aid in the initial design and planning of a project. The relevant building type is located by a comprehensive index and cross reference system, a condensed commentary covers user requirements, planning criteria, basic dimensions and other considerations of function, siting aspect etc. A system of references based on an extensive bibliography supports the text. In every section plans, sections, site layouts, design details and graphs illustrated key aspects of a building type's design. Most illustrations are dimensioned or scaled - the metric system of measurement is used throughout, and the equivalent in feet/inches can easily be read either off a graphic scale on the page or from the built-in conversion table. The illustrations are international in origin and include both well known and less famous designers. Architects Data is primarily a handbook of building types rather than of construction techniques and details. However its treatment of components (such as doors and windows) and of spaces for building services is extremely thorough, since consideration of this data is an essential element of the planning process. The opening pages of basic data on man and his buildings cover critical subjects such as scale, drawing practice, noise, light and space for the same reason. Particular attention has also been paid to the implications of energy conservation, means of escape from fire and the needs of the elderly and the disabled.

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## USING THE ELECTRIC VLSI DESIGN SYSTEM

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## ESSENTIAL MATHEMATICS FOR ECONOMIC ANALYSIS PDF EBOOK

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**Pearson Higher Ed** ESSENTIAL MATHEMATICS FOR ECONOMIC ANALYSIS Fifth Edition An extensive introduction to all the mathematical tools an economist needs is provided in this worldwide bestseller. "The scope of the book is to be applauded" Dr Michael Reynolds, University of Bradford "Excellent book on calculus with several economic applications" Mauro Bambi, University of York New to this edition: The introductory chapters have been restructured to more logically fit with teaching. Several new exercises have been introduced, as well as fuller solutions to existing ones. More coverage of the history of mathematical and economic ideas has been added, as well as of the scientists who developed them. New example based on the 2014 UK reform of housing taxation illustrating how a discontinuous function can have significant economic consequences. The associated material in MyMathLab has been expanded and improved. Knut Sydsaeter was Emeritus Professor of Mathematics in the Economics Department at the University of Oslo, where he had taught mathematics for economists for over 45 years. Peter Hammond is currently a Professor of Economics at the University of Warwick, where he moved in 2007 after becoming an Emeritus Professor at Stanford University. He has taught mathematics for economists at both universities, as well as at the Universities of Oxford and Essex. Arne Strom is Associate Professor Emeritus at the University of Oslo and has extensive experience in teaching mathematics for economists in the Department of Economics there. Andrés Carvajal is an Associate Professor in the Department of Economics at University of California, Davis.

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## WHO CONSOLIDATED GUIDELINES ON TUBERCULOSIS. MODULE 3

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## DIAGNOSIS - RAPID DIAGNOSTICS FOR TUBERCULOSIS DETECTION

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**World Health Organization** The political declaration of the first United Nations (UN) high-level meeting on tuberculosis (TB) calls countries to diagnose and treat 40 million people with TB globally between 2018 and 2022. Traditionally, in most countries, TB diagnosis has been performed using sputum-smear microscopy, a method developed more than 100 years ago, with suboptimal sensitivity. In recent years new technologies have emerged based on the detection of mycobacterial DNA or mycobacterial antigens. Over the past decade the World Health Organization (WHO) has published a number of guidelines developed by WHO-convened Guideline Development Groups (GDGs), using the Grading of Recommendations Assessment, Development and Evaluation (GRADE) approach to summarize the evidence and to formulate policy recommendations and accompanying remarks. The present document "WHO consolidated guidelines on tuberculosis. Module 3: Diagnosis - Rapid diagnostics for tuberculosis detection" consolidates five guidelines developed by WHO between 2016 and 2020. Earlier guidelines on diagnostics that were not developed according to the GRADE approach have not been included in this document. The WHO Consolidated Guidelines on Tuberculosis will group all TB recommendations in one document and will be complemented by matching modules of an operational handbook. The handbook will provide practical advice on how to put in place the recommendations at the scale needed to achieve national and global impact. A range of new diagnostic technologies have been endorsed by WHO during the past decade. These are listed below: - real-time polymerase chain reaction (PCR) assays - for example, Xpert MTB/RIF(r) (Ultra) (cartridge-based) and Truenat™ (chip-based);- line probe assays (LPAs) - for example, GenoType(r) MTBDRplus v1 and v2, Genoscholar™ NTM+MDRTB II and GenoType(r) MTBDRsl;- loop-mediated isothermal amplification (LAMP) - for example, TB-LAMP; and- antigen detection in a lateral flow format (biomarker-based detection) - for example, Alere Determine™ TB LAM Ag. The present "WHO consolidated guidelines on tuberculosis. Module 3: Diagnosis - Rapid diagnostics for tuberculosis detection" provides background, justification and recommendations on these technologies. The document includes new recommendations on molecular assays intended as initial tests for the diagnosis of pulmonary and extrapulmonary TB and rifampicin resistance in adults and children.

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## GOLDMINE PREMIUM

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## THE DEFINITIVE GUIDE

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GoldMine Premium - The Definitive Guide is the 10th book by DJ Hunt covering the CRM application after which the book is named. This book covers GoldMine Premium through v9.0.2.36 including Chapter 1 - Dashboards which have never been covered before. This is a powerful, indepth Administrators Guide to the inner workings of GoldMine Premium. No office having GoldMine Premium should be without this book. I describe in detail how to manipulate Dashboards, Opportunities, the Lookup.ini, GoldMine Reports, Automated Processes and much, much more.

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## SWARMWISE

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## THE TACTICAL MANUAL TO CHANGING THE WORLD

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**CreateSpace** Swarmwise (2013) is a tactical guide to changing the world using cost-efficient swarm methodology. It is a leadership handbook that outlines how the Swedish Pirate Party was able to beat the competition on less than one percent of their budget, and shows

how any cash- and time-strapped executive or manager can use swarm methodologies, whether the goal is social, business, or political. The organization, founded by one man without resources, has now spread to over 70 countries using the same cost-efficient swarm organization. Swarmwise will tell you what it takes to found a swarm of volunteers, how to organize and energize it, and how to lead it to success. The book doesn't go into theoretical detail, psychology, or deep research papers. Rather, it is very hands-on leadership advice from pure experience - it covers everything from how you give instructions to new marketing assistants or activists about handing out flyers in the street, up to and including how you communicate with TV stations and organize hundreds of thousands of people in a coherent swarm. Above all, it focuses on the cost-efficiency of the swarm structure, and is a tactical instruction manual for anybody who wants to dropkick their competition completely - no matter whether their game is business, social, or political. Swarmwise, chapter by chapter: Chapter 1 - Understanding the Swarm deals with the basic concepts of a swarm organization, and explains why the swarm is open and transparent. It introduces the concept of a cost-efficiency advantage of two orders of magnitude. In chapter 2 - Launching Your Swarm, we learn that the published project plan must be tangible, credible, inclusive, and epic, and what that means in practice. Chapter 3 - Getting Your Swarm Organized gives tangible advice on how to organize a volunteer organization and why. We look at the dynamics of different group sizes and how to build a culture of trust. One of the most counterintuitive lessons is detailed in Chapter 4 - Control the Vision, but Never the Message. It explains how you need to use volunteers to translate your vision into messages that fit a specific social context, rather than using an one-size-fits all slogan. A healthy dose of classic project management is found in chapter 5 - Make The Targets Visible, And Paint Them Red Daily. We talk about metrics, choosing the right metrics, and causing self-organization to happen when you publish the right metrics to optimize. In chapter 6 - Screw Democracy, We're on a Mission from God, we talk about conflict resolution mechanisms and how to optimize the swarm for speed, trust, and scalability. Chapter 7 - Surviving Growth Unlike Anything the MBAs Have Seen details how the swarm can grow by 200% in a week when some events play out, and how to handle such situations. One of the more advanced chapters, chapter 8 - Using Social Dynamics To Their Potential goes into how we can tap into the long tail of people and effectively cross-use online and offline friendships to grow organically. Seeing how most organizations need to deal with TV, newspapers, and radio, there is also chapter 9 - Managing Oldmedia that details everything from press release processes to TV crews. Finally, chapter 10 - Beyond Success shares a bit of experience of what happens when you feel at the top of the world, and what to do then. "Your most valuable asset isn't your employees," I told the executive. "Your most valuable asset are the thousands of people who want to work for you for free, and you don't let them." The book can also be downloaded as a PDF from the author's website at <http://falkvinge.net/books/>.