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KEY=SOLUTIONS - LANE KENDRA

Computer Vision -- ECCV 2014

13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part III

Springer The seven-volume set comprising LNCS volumes 8689-8695 constitutes the refereed proceedings of the 13th European Conference on Computer Vision, ECCV 2014, held in Zurich, Switzerland, in September 2014. The 363 revised papers presented were carefully reviewed and selected from 1444 submissions. The papers are organized in topical sections on tracking and activity recognition; recognition; learning and inference; structure from motion and feature matching; computational photography and low-level vision; vision; segmentation and saliency; context and 3D scenes; motion and 3D scene analysis; and poster sessions.

Understanding Machine Learning

From Theory to Algorithms

Cambridge University Press Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.

Fundamentals of Mathematical Statistics

Sultan Chand & Sons Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Some prominent additions are given below: 1. Variance of Degenerate Random Variable 2. Approximate Expression for Expectation and Variance 3. Lyapounov's Inequality 4. Holder's Inequality 5. Minkowski's Inequality 6. Double Expectation Rule or Double-E Rule and many others

Security Protocols XVIII

18th International Workshop, Cambridge, UK, March 24-26, 2010, Revised Selected Papers

Springer This book constitutes the thoroughly refereed post-workshop proceedings of the 18th International Workshop on Security Protocols, held in Cambridge, UK, in March 2010. After an introduction the volume presents 16 revised papers and one abstract, each followed by a revised transcript of the discussion ensuing the presentation at the event. The theme of this year's workshop was "Virtually Perfect Security".

Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations

Proceedings of the Tenth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2020), June 28-July 2, 2020, Sapporo, Japan

CRC Press Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations contains lectures and papers presented at the Tenth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2020), held in Sapporo, Hokkaido, Japan, April 11–15, 2021. This volume consists of a book of extended abstracts and a USB card containing the full papers of 571 contributions presented at IABMAS 2020, including the T.Y. Lin Lecture, 9 Keynote Lectures, and 561 technical papers from 40 countries. The contributions presented at IABMAS 2020 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of maintenance, safety, management, life-cycle sustainability and technological innovations of bridges. Major topics include: advanced bridge design, construction and maintenance approaches, safety, reliability and risk evaluation, life-cycle management, life-cycle sustainability, standardization, analytical models, bridge management systems, service life prediction, maintenance and management strategies, structural health monitoring, non-destructive testing and field testing, safety, resilience, robustness and redundancy, durability enhancement, repair and rehabilitation, fatigue and corrosion, extreme loads, and application of information and computer technology and artificial intelligence for bridges, among others. This volume provides both an up-to-date overview of the field of bridge engineering and significant contributions to the process of making more rational decisions on maintenance, safety, management, life-cycle sustainability and technological innovations of bridges for the purpose of enhancing the welfare of society. The Editors hope that these Proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems, including engineers, researchers, academics and students from all areas of bridge engineering.

25 AIIMS Physics Chapter-wise Solved Papers (1997-2018) with Revision Tips & 3 Mock Online Tests

Disha Publications Chapter-wise 25 Physics Solved Papers AIIMS (1997-2018) with Revision Tips & 3 Online Tests consists of 4 papers of 2018 Online AIIMS with 21 Solved Papers from 1997-2017 distributed into 28 Chapters. The book also provides Important Points to Remember & Problem Solving Tips useful to revise the syllabus before the exam. 3 Online Tests of Physics are also provided with this book. These tests can be accessed through a voucher code. The book contains around 1500 MCQs - 1000 Simple MCQs and 500 Assertion-Reason type MCQs.

29 AIIMS Physics Chapter-wise Solved Papers (1997-2019) with Revision Tips & 3 Mock Online Tests - 2nd Edition

Disha Publications

Labor, Credit, and Goods Markets

The Macroeconomics of Search and Unemployment

MIT Press An integrated framework to study the theoretical and quantitative properties of economies with frictions in labor, financial, and goods markets. This book offers an integrated framework to study the theoretical and quantitative properties of economies with frictions in multiple markets. Building on analyses of markets with frictions by 2010 Nobel laureates Peter A. Diamond, Dale T. Mortensen, and Christopher A. Pissarides, which provided a new theoretical approach to search markets, the book applies this new paradigm to labor, finance, and goods markets. It shows, in particular, how frictions in different markets interact with each other. The book first covers the main developments in the analysis of the labor market in the presence of frictions, offering a systematic analysis of the dynamics of this environment and explaining the notion of macroeconomic volatility. Then, building on the generality and simplicity of the search analysis, the book adapts it to other markets, developing the tools and concepts to analyze friction in these markets. The book goes beyond the traditional general equilibrium analysis of markets, which is often frictionless. It begins with the standard analysis of a single market, and then sequentially integrates more markets into the analysis, progressing from labor to financial to goods markets. Along the way, the book provides a number of useful results and insights, including the existence of a direct link between search frictions and the degree of volatility in the economy.

The Art of Memory Forensics

Detecting Malware and Threats in Windows, Linux, and Mac Memory

John Wiley & Sons Memory forensics provides cutting edge technology to help investigate digital attacks Memory forensics is the art of analyzing computer memory (RAM) to solve digital crimes. As a follow-up to the best seller Malware Analyst's Cookbook, experts in the fields of malware, security, and digital forensics bring you a step-by-step guide to memory forensics—now the most sought after skill in the digital forensics and incident response fields. Beginning with introductory concepts and moving toward the advanced, The Art of Memory Forensics: Detecting Malware and Threats in Windows, Linux, and Mac Memory is based on a five day training course that the authors have presented to hundreds of students. It is the only book on the market that focuses exclusively on memory forensics and how to deploy such techniques properly. Discover memory forensics techniques: How volatile memory analysis improves digital investigations Proper investigative steps for detecting stealth malware and advanced threats How to use free, open source tools for conducting thorough memory forensics Ways to acquire memory from suspect systems in a forensically sound manner The next era of malware and security breaches are more sophisticated and targeted, and the volatile memory of a computer is often overlooked or destroyed as part of the incident response process. The Art of Memory Forensics explains the latest technological innovations in digital forensics to help bridge this gap. It covers the most popular and recently released versions of Windows, Linux, and Mac, including both the 32 and 64-bit editions.

Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

Special Report of the Intergovernmental Panel on Climate Change

Cambridge University Press This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk. Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable assessment for anyone interested in climate extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers.

Risk Assessment of Non-Performing Loans (NPL) Using Extreme Value Theory

This paper answers two research questions: what is the appropriate modeling tool for NPL study? and whether the NPL rates in Thailand show improving or deteriorating trend? NPL is of interests to management decision makers because it serves as an indicator for assessing risk in commercial loans. The methodologies employed in this research are system analysis under Extreme Value Theory (EVT) and relevant tests suggested by the Tail index. Conventional time series models, such as AR, MA, ARIMA and ARIMAV are not adequate to deal with short term risk assessment due to restrictive assumptions in autoregressive modeling and the requirement of longer observation period. This research fills the gap in the literature left by conventional time series modeling. NPL data of ten industries in Thailand for a period of eight operating quarters from 2013 to 2014 were used. It was found that there are two types of distribution among NPL rates. Eight industries are distributed Weibull and two industries are distributed Fréchet. This finding further reinforces the use of EVT as an appropriate modeling tool for NPL studies. Under EVT, it was found that the risk threshold for Thailand's NPL is 10.91 where three industries showing NPL near or beyond this threshold. The proposed method of NPL analysis in this paper provides a practical tool for decision makers in NPL management.

VTNE Flashcard Study System

VTNE Test Practice Questions & Review for the Veterinary Technician National Exam

A Guide to IMF Stress Testing

Methods and Models

International Monetary Fund The IMF has had extensive involvement in the stress testing of financial systems in its member countries. This book presents the methods and models that have been developed by IMF staff over the years and that can be applied to the gamut of financial systems. An added resource for readers is the companion CD-Rom, which makes available the toolkit with some of the models presented in the book (also located at elibrary.imf.org/page/stress-test-toolkit).

The Cambridge Handbook of Computing Education Research

Cambridge University Press This Handbook describes the extent and shape of computing education research today. Over fifty leading researchers from academia and industry (including Google and Microsoft) have contributed chapters that together define and expand the evidence base. The foundational chapters set the field in context, articulate expertise from key disciplines, and form a practical guide for new researchers. They address what can be learned empirically, methodologically and theoretically from each area. The topic chapters explore issues that are of current interest, why they matter, and what is already known. They include discussion of motivational context, implications for practice, and open questions which might suggest future research. The authors provide an authoritative introduction to the field and is essential reading for policy makers, as well as both new and established researchers.

Customizing and Extending IBM Content Navigator

IBM Redbooks IBM® Content Navigator provides a unified user interface for your Enterprise Content Management (ECM) solutions. It also provides a robust development platform so you can build customized user interface and applications to deliver value and an intelligent, business-centric experience. This IBM Redbooks® publication guides you through the Content Navigator platform, its architecture, and the available programming interfaces. It describes how you can configure and customize the user interface with the administration tools provided, and how you can customize and extend Content Navigator using available development options with sample code. Specifically, the book shows how to set up a development environment, and develop plug-ins that add an action, service, and feature to the user interface. Customization topics include implementing request and response filters, external data services (EDS), creating custom step processors, and using Content Navigator widgets in other applications. This book also covers mobile development, viewer customization, component deployment, and debugging and troubleshooting. This book is intended for IT architects, application designers and developers working with IBM Content Navigator and IBM ECM products. It offers a high-level description of how to extend and customize IBM Content Navigator and also more technical details of how to do implementations with sample code.

Lectures on Formal and Rigid Geometry

Springer The aim of this work is to offer a concise and self-contained 'lecture-style' introduction to the theory of classical rigid geometry established by John Tate, together with the formal algebraic geometry approach launched by Michel Raynaud. These Lectures are now viewed commonly as an ideal means of learning advanced rigid geometry, regardless of the reader's level of background. Despite its parsimonious style, the presentation illustrates a number of key facts even more extensively than any other previous work. This Lecture Notes Volume is a revised and slightly expanded version of a preprint that appeared in 2005 at the University of Münster's Collaborative Research Center "Geometrical Structures in Mathematics".

In Defence of Food

The Myth of Nutrition and the Pleasures of Eating

Penguin UK 'A must-read ... satisfying, rich ... loaded with flavour' Sunday Telegraph This book is a celebration of food. By food, Michael Pollan means real, proper, simple food - not the kind that comes in a packet, or has lists of unpronounceable ingredients, or that makes nutritional claims about how healthy it is. More like the kind of food your great-grandmother would recognize. In Defence of Food is a simple invitation to junk the science, ditch the diet and instead rediscover the joys of eating well. By following a few pieces of advice (Eat at a table - a desk doesn't count. Don't buy food where you'd buy your petrol!), you will enrich your life and your palate, and enlarge your sense of what it means to be healthy and happy. It's time to fall in love with food again. For the past twenty years, Michael Pollan has been writing about the places where the human and natural worlds intersect: food, agriculture, gardens, drugs, and architecture. His most recent book, about the ethics and ecology of eating, is The Omnivore's Dilemma, named one of the ten best books of 2006 by the New York Times and the Washington Post. He is also the author of The Botany of Desire, A Place of My Own and Second Nature.

Digital Scholarly Editing

Theories and Practices

Open Book Publishers This volume presents the state of the art in digital scholarly editing. Drawing together the work of established and emerging researchers, it gives pause at a crucial moment in the history of technology in order to offer a sustained reflection on the practices involved in producing, editing and reading digital scholarly editions—and the theories that underpin them. The unrelenting progress of computer technology has changed the nature of textual scholarship at the most fundamental level: the way editors and scholars work, the tools they use to do such work and the research questions they attempt to answer have all been affected. Each of the essays in Digital Scholarly Editing approaches these changes with a different methodological consideration in mind. Together, they make a compelling case for re-evaluating the foundation of the discipline—one that tests its assertions against manuscripts and printed works from across literary history, and the globe. The sheer breadth of Digital Scholarly Editing, along with its successful integration of theory and practice, help redefine a rapidly-changing field, as its firm grounding and future-looking ambit ensure the work will be an indispensable starting point for further scholarship. This collection is essential reading for editors, scholars, students and readers who are invested in the future of textual scholarship and the digital humanities.

Information Modelling and Knowledge Bases XXVI

IOS Press Within the last three decades, information modelling and knowledge bases have become essential subjects, not only for academic communities related to information systems and computer science, but also for businesses where information technology is applied. This book presents the proceedings of EJC 2014, the 24th International Conference on Information Modelling and Knowledge Bases, held in Kiel, Germany, in June 2014. The main themes of the conference were: conceptual modelling, including modelling and specification languages, domain specific conceptual modelling, and validating and communicating conceptual models; knowledge and information modelling and discovery, including knowledge representation and knowledge management, advanced data mining and analysis methods, as well as information recognition and information modelling; linguistics modelling; cross-cultural communication and social computing; environmental modelling; and multimedia data modelling and systems, which includes modelling multimedia information and knowledge, content-based multimedia data management, content-based multimedia retrieval as well as privacy and context enhancing technologies. This book will be of interest to all those who wish to keep abreast of new developments in the field of information modelling and knowledge bases.

Language Disorders from Infancy Through Adolescence -

E-Book

Listening, Speaking, Reading, Writing, and Communicating

Elsevier Health Sciences Spanning the entire childhood developmental period, Language Disorders from Infancy Through Adolescence, 5th Edition is the go-to text for learning how to properly assess childhood language disorders and provide appropriate treatment. The most comprehensive title available on childhood language disorders, it uses a descriptive-developmental approach to present basic concepts and vocabulary, an overview of key issues and controversies, the scope of communicative difficulties that make up child language disorders, and information on how language pathologists approach the assessment and intervention processes. This new edition also features significant updates in research, trends, social skills assessment, and instruction best practices. Clinical application focus featuring case studies, clinical vignettes, and suggested projects helps you apply concepts to professional practice. UNIQUE! Practice exercises with sample transcripts allow you to apply different methods of analysis. UNIQUE! Helpful study guides at the end of each chapter help you review and apply what you have learned. Highly regarded lead author who is an expert in language disorders in children provides authoritative guidance on the diagnosis and management of pediatric language disorders. More than 230 tables and boxes summarize important information such as dialogue examples, sample assessment plans, assessment and intervention principles, activities, and sample transcripts. Student/Professional Resources on Evolve include an image bank, video clips, and references linked to PubMed. NEW! Common core standards for language arts incorporated into the preschool and school-age chapters. NEW! Updated content features the latest research, theories, trends and techniques in the field. Information on preparing high-functioning students with autism for college Social skills training for students with autism The role of the speech-language pathologist on school literacy teams and in response to intervention Emerging theories of etiology and psychopathology added to Models of Child Language Disorders chapter Use of emerging technologies for assessment and intervention

Classical General Relativity

Oxford University Press on Demand Because of the vicissitudes of history, the general theory of relativity has never been consistently explored to ascertain whether, in its realm of exact validity, it predicts phenomena which have no counterparts in the Newtonian limit, that is in the limit in which the velocity of light may be considered infinite. Thus, while recent interest in physics has concentrated on such 'frontier areas' as quantum gravity and cosmology, there has also been a quiet but steady progress in the classical domain. The five papers collected in this volume, and presented under the editorship of the famed Nobel Laureate S. Chandrasekhar, illustrate the nature of these advances. Each of them represents developments in areas both of physics and mathematics which disclose unanticipated findings that illustrate the special character of work in these areas. Astrophysicists and mathematical relativists will welcome this unique look at ongoing research.

The State of the Pentateuch

A Comparison of the Approaches of M. Noth and E. Blum

Walter de Gruyter GmbH & Co KG The series Beihefte zur Zeitschrift für die alttestamentliche Wissenschaft (BZAW) covers all areas of research into the Old Testament, focusing on the Hebrew Bible, its early and later forms in Ancient Judaism, as well as its branching into many neighboring cultures of the Ancient Near East and the Greco-Roman world.

Risk Management and Financial Institutions

John Wiley & Sons The most complete, up-to-date guide to risk management in finance Risk Management and Financial Institutions, Fifth Edition explains all aspects of financial risk and financial institution regulation, helping you better understand the financial markets—and their potential dangers. Inside, you'll learn the different types of risk, how and where they appear in different types of institutions, and how the regulatory structure of each institution affects risk management practices. Comprehensive ancillary materials include software, practice questions, and all necessary teaching supplements, facilitating more complete understanding and providing an ultimate learning resource. All financial professionals need to understand and quantify the risks associated with their decisions. This book provides a complete guide to risk management with the most up to date information. • Understand how risk affects different types of financial institutions • Learn the different types of risk and how they are managed • Study the most current regulatory issues that deal with risk • Get the help you need, whether you're a student or a professional Risk management has become increasingly important in recent years and a deep understanding is essential for anyone working in the finance industry; today, risk management is part of everyone's job. For complete information and comprehensive coverage of the latest industry issues and practices, Risk Management and Financial Institutions, Fifth Edition is an informative, authoritative guide.

The Gardeners' Chronicle

McClure's Magazine

Electronic Beowulf

Treatment of Leg Veins

Elsevier Health Sciences This lavishly illustrated reference provides practical guidance on the full range of procedures for the treatment of leg veins, and is edited by the foremost pioneers in the field. Includes an instructional DVD with procedural video clips so doctors can implement the newest procedures into their practice immediately.

Europe to the Stars

ESO's First 50 Years of Exploring the Southern Sky

John Wiley & Sons The creation of the European Southern Observatory (ESO) in 1962 was the culmination of the dream of leading astronomers from five European countries. Over the years, as more member states joined, ESO constructed the La Silla and Paranal observatories, as well as the Atacama Large Millimeter/submillimeter Array (ALMA) together with partners. ESO is now starting to build the world's biggest eye on the sky, the European Extremely Large Telescope. At the dawn of 2012, its 50th anniversary year, ESO is ready to enter a new era. One that not even its founding members could have anticipated in their boldest dreams. Constantly at the technological forefront, ESO is ready to tackle new and as yet unimaginable territories of high-precision technology and scientific discovery. Produced especially for ESO's 50th anniversary, this sumptuously illustrated book takes the reader behind the scenes of the most productive ground-based observatory in the world. It contains the best 300 of ESO's images, hand-picked from a large collection of more than 100 000 images. "Beautifully produced, Europe to the Stars tells the story of how dreams of giant telescopes became a reality and covers many of the exciting discoveries made at La Silla and Paranal." —BBC Sky at Night, 1 February 2013 "Leave the book on your coffee table, certainly, but read it first and come back to it regularly. It's an intelligent, inspiring celebration of a great European scientific adventure." —Astronomy Now, 1 March 2013

Electoral Management Design

Electoral management bodies (EMBs) need to become more professional if they are to retain the trust of voters. This handbook was developed for electoral administrators and those involved in reforming EMBs. It provides comparative experience of and best practices on EMB structures and funding models, as well as means for evaluating performance. A range of case studies illustrate examples from specific contexts in Afghanistan, Armenia, Bosnia and Herzegovina, Cambodia, Costa Rica, Haiti, India, Kenya, Republic of Korea, Liberia, Mexico, Nigeria, Norway, Senegal, Republic of Seychelles, Timor-Leste, Tonga, Tunisia, Ukraine, United Kingdom and United States. This new and revised edition includes updated country-level data and case studies and significantly expanded sections on the role of gender, professional development and technology in elections.

Attitude Structure and Function

Psychology Press Utilizing "new wave" research including new psychological theories, new statistical techniques, and a stronger methodology, this collection unites a diversity of recent research perspectives on attitudes and the psychological functions of an attitude. The objective of the editors was to bring together the bits and pieces of validated data into one systematic and adequate set of general principles leading to the view of attitudes as predictions. As the volume reformulates old concepts, explores new angles, and seeks a relationship among various sub-areas, it also shows improvements in the sophistication of research designs and methodologies, the specifications of variables, and the precision in defining concepts.

Acute Ischemic Stroke

Imaging and Intervention

Springer Science & Business Media This updated second edition of Acute Ischemic Stroke: Imaging and Intervention provides a comprehensive account of the state of the art in the diagnosis and treatment of acute ischemic stroke. The basic format of the first edition has been retained, with sections on fundamentals such as pathophysiology and causes, imaging techniques and interventions. However, each chapter has been revised to reflect the important recent progress in advanced neuroimaging and the use of interventional tools. In addition, a new chapter is included on the

classification instruments for ischemic stroke and their use in predicting outcomes and therapeutic triage. All of the authors are internationally recognized experts and members of the interdisciplinary stroke team at the Massachusetts General Hospital and Harvard Medical School. The text is supported by numerous informative illustrations, and ease of reference is ensured through the inclusion of suitable tables. This book will serve as a unique source of up-to-date information for neurologists, emergency physicians, radiologists and other health care providers who care for the patient with acute ischemic stroke.

ESV Study Bible

Crossway The ESV Study Bible was created to help people understand the Bible in a deeper way. Combining the best and most recent evangelical Christian scholarship with the highly regarded ESV text, it is the most comprehensive study Bible ever published. The ESV Study Bible features more than 2,750 pages of extensive, accessible Bible resources, including completely new notes, full-color maps, illustrations, charts, timelines, and articles created by an outstanding team of 93 evangelical Christian scholars and teachers. In addition to the 757,000 words of the ESV Bible itself, the notes and resources of the ESV Study Bible comprise an additional 1.1 million words of insightful explanation and teaching-equivalent to a 20-volume Bible resource library all contained in one volume. (Please note this edition does not come with free access to the Online ESV Study Bible resources.)

Android Hacker's Handbook

John Wiley & Sons The first comprehensive guide to discovering and preventingattacks on the Android OS As the Android operating system continues to increase its shareof the smartphone market, smartphone hacking remains a growingthreat. Written by experts who rank among the world's foremostAndroid security researchers, this book presents vulnerabilitydiscovery, analysis, and exploitation tools for the good guys.Following a detailed explanation of how the Android OS works andits overall security architecture, the authors examine howvulnerabilities can be discovered and exploits developed forvarious system components, preparing you to defend againstthem. If you are a mobile device administrator, security researcher,Android app developer, or consultant responsible for evaluatingAndroid security, you will find this guide is essential to yourtoolbox. A crack team of leading Android security researchers explainAndroid security risks, security design and architecture, rooting,fuzz testing, and vulnerability analysis Covers Android application building blocks and security as wellas debugging and auditing Android apps Prepares mobile device administrators, security researchers,Android app developers, and security consultants to defend Androidsystems against attack Android Hacker's Handbook is the first comprehensiveresource for IT professionals charged with smartphonesecurity.

Consultants and Consulting Organizations Directory

Indexes are arranged by geographic area, activities, personal name, and consulting firm name.

Vocabulary Instruction, Second Edition

Research to Practice

Guilford Press This highly regarded work brings together prominent authorities on vocabulary teaching and learning to provide a comprehensive yet concise guide to effective instruction. The book showcases practical ways to teach specific vocabulary words and word-learning strategies and create engaging, word-rich classrooms. Instructional activities and games for diverse learners are brought to life with detailed examples. Drawing on the most rigorous research available, the editors and contributors distill what PreK-8 teachers need to know and do to support all students' ongoing vocabulary growth and enjoyment of reading. New to This Edition*Reflects the latest research and instructional practices.*New section (five chapters) on pressing current issues in the field: assessment, authentic reading experiences, English language learners, uses of multimedia tools, and the vocabularies of narrative and informational texts.*Contributor panel expanded with additional leading researchers.

Web Development with Node and Express

Leveraging the JavaScript Stack

"O'Reilly Media, Inc." Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on

persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0.

Convex Optimization

Cambridge University Press A comprehensive introduction to the tools, techniques and applications of convex optimization.

Handbook of Market Risk

John Wiley & Sons A ONE-STOP GUIDE FOR THE THEORIES, APPLICATIONS, AND STATISTICALMETHODOLOGIES OF MARKET RISK Understanding and investigating the impacts of market risk onthe financial landscape is crucial in preventing crises. Written bya hedge fund specialist, the Handbook of Market Risk is thecomprehensive guide to the subject of market risk. Featuring a format that is accessible and convenient, thehandbook employs numerous examples to underscore the application ofthe material in a real-world setting. The book starts byintroducing the various methods to measure market risk whilecontinuing to emphasize stress testing, liquidity, and interestrate implications. Covering topics intrinsic to understanding andapplying market risk, the handbook features: An introduction to financial markets The historical perspective from market events and diverse mathematics to the value-at-risk Return and volatility estimates Diversification, portfolio risk, and efficient frontier The Capital Asset Pricing Model and the Arbitrage Pricing Theory The use of a fundamental multi-factors model Financial derivatives instruments Fixed income and interest rate risk Liquidity risk Alternative investments Stress testing and back testing Banks and Basel II/III The Handbook of Market Risk is a must-have resource forfinancial engineers, quantitative analysts, regulators, riskmanagers in investments banks, and large-scale consultancy groupsadvising banks on internal systems. The handbook is also anexcellent text for academics teaching postgraduate courses onfinancial methodology.

Simulation and the Monte Carlo Method

John Wiley & Sons This accessible new edition explores the major topics in Monte Carlo simulation that have arisen over the past 30 years and presents a sound foundation for problem solving Simulation and the Monte Carlo Method, Third Edition reflects the latest developments in the field and presents a fully updated and comprehensive account of the state-of-the-art theory, methods and applications that have emerged in Monte Carlo simulation since the publication of the classic First Edition over more than a quarter of a century ago. While maintaining its accessible and intuitive approach, this revised edition features a wealth of up-to-date information that facilitates a deeper understanding of problem solving across a wide array of subject areas, such as engineering, statistics, computer science, mathematics, and the physical and life sciences. The book begins with a modernized introduction that addresses the basic concepts of probability, Markov processes, and convex optimization. Subsequent chapters discuss the dramatic changes that have occurred in the field of the Monte Carlo method, with coverage of many modern topics including: Markov Chain Monte Carlo, variance reduction techniques such as importance (re-)sampling, and the transform likelihood ratio method, the score function method for sensitivity analysis, the stochastic approximation method and the stochastic counter-part method for Monte Carlo optimization, the cross-entropy method for rare events estimation and combinatorial optimization, and application of Monte Carlo techniques for counting problems. An extensive range of exercises is provided at the end of each chapter, as well as a generous sampling of applied examples. The Third Edition features a new chapter on the highly versatile splitting method, with applications to rare-event estimation, counting, sampling, and optimization. A second new chapter introduces the stochastic enumeration method, which is a new fast sequential Monte Carlo method for tree search. In addition, the Third Edition features new material on: • Random number generation, including multiple-recursive generators and the Mersenne Twister • Simulation of Gaussian processes, Brownian motion, and diffusion processes • Multilevel Monte Carlo method • New enhancements of the cross-entropy (CE) method, including the "improved" CE method, which uses sampling from the zero-variance distribution to find the optimal importance sampling parameters • Over 100 algorithms in modern pseudo code with flow control • Over 25 new exercises Simulation and the Monte Carlo Method, Third Edition is an excellent text for upper-undergraduate and beginning graduate courses in stochastic simulation and Monte Carlo techniques. The book also serves as a valuable reference for professionals who would like to achieve a more formal understanding of the Monte Carlo method. Reuven Y. Rubinstein, DSc, was Professor Emeritus in the Faculty of Industrial Engineering and Management at Technion-Israel Institute of Technology. He served as a consultant at numerous large-scale organizations, such as IBM, Motorola, and NEC. The author of over 100 articles and six books, Dr. Rubinstein was also the inventor of the popular score-function method in simulation analysis and generic cross-entropy methods for combinatorial optimization and counting. Dirk P. Kroese, PhD, is a Professor of Mathematics and Statistics in the School of Mathematics and Physics of The University of Queensland, Australia. He has published over 100 articles and four books in a wide range of areas in applied probability and statistics, including Monte Carlo methods, cross-entropy, randomized algorithms, tele-traffic c theory, reliability, computational statistics, applied probability, and stochastic modeling.

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