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The Economics of Discrimination Gary S. Becker 2010-08-15 This second edition of Gary S. Becker's *The Economics of Discrimination* has been expanded to include three further discussions of the problem and an entirely new introduction which considers the contributions made by others in recent years and some of the more important problems remaining. Mr. Becker's work confronts the economic effects of discrimination in the market place because of race, religion, sex, color, social class, personality, or other non-pecuniary considerations. He demonstrates that discrimination in the market place by any group reduces their own real incomes as well as those of the minority. The original edition of *The Economics of Discrimination* was warmly received by economists, sociologists, and psychologists alike for focusing the discerning eye of economic analysis upon a vital social problem—discrimination in the market place. "This is an unusual book; not only is it filled with ingenious theorizing but the implications of the theory are boldly confronted with facts. . . . The intimate relation of the theory and observation has resulted in a book of great vitality on a subject whose interest and importance are obvious."—M.W. Reder, *American Economic Review* "The author's solution to the problem of measuring the motive behind actual discrimination is something of a tour de force. . . . Sociologists in the field of race relations will wish to read this book."—Karl Schuessler, *American Sociological Review*
E-Business and Telecommunications Mohammad S. Obaidat 2014-09-11 This book constitutes the refereed proceedings of the 9th International Joint Conference on E-Business and Telecommunications, ICETE 2012, held in Rome, Italy, in July 2012. ICETE is a joint international conference integrating four major areas of knowledge that are divided into six corresponding conferences: International Conference on Data Communication Networking, DCNET; International Conference on E-Business, ICE-B; International Conference on Optical Communication Systems, OPTICS; International Conference on Security and Cryptography, SECURITY; International Conference on Wireless Information Systems, WINSYS; and International Conference on Signal Processing and Multimedia, SIGMAP. The 18 full papers presented were carefully reviewed and selected from 403 submissions. They cover a wide range of topics in the key areas of e-business and telecommunications.

Advances in Swarm Intelligence Ying Tan 2020-07-12 This book constitutes the proceedings of the 11th International Conference on Advances in Swarm Intelligence, ICSI 2020, held in July 2020 in Belgrade, Serbia. Due to the COVID-19 pandemic the conference was held virtually. The 63 papers included in this volume were carefully reviewed and selected from 127 submissions. The papers are organized in 12 cohesive topical sections as follows: Swarm intelligence and nature-inspired computing; swarm-based computing algorithms for optimization; particle swarm optimization; ant colony optimization; brain storm optimization algorithm; bacterial foraging optimization; genetic algorithm and evolutionary computation; multi-objective optimization; machine learning; data mining; multi-agent system and robotic swarm, and other applications.

Ashfall Legacy Pittacus Lore 2021-08-17 Pittacus Lore finished telling the story of the Lorien Nine in the New York Times bestselling *I Am Number Four* and *Lorien Legacies* Reborn series. Now he's back to recount an all-new adventure rooted in the real mysteries surrounding Roswell, New Mexico, that will enthrall fans of Brandon Sanderson, Jay Kristoff, and Amie Kaufman. We have waited generations for you... Syd Chambers knows that there's life on other planets because he's descended from it. His father was from a distant world called Denza and has been missing—presumed dead—for years. When Syd discovers a device his father left behind which shows not only that he's alive, but where he is, Syd must set out on a mission of his own. But along the way, he discovers a deadly, unbearable secret that could destroy Denza, Earth, and the universe.

Interpretable Machine Learning Christoph Molnar 2020 This book is about making machine learning models and their decisions interpretable. After exploring the concepts of interpretability, you will learn about simple, interpretable models such as decision trees, decision rules and linear regression. Later chapters focus on general model-agnostic methods for interpreting black box models like feature importance and accumulated local effects and explaining individual predictions with Shapley values and LIME. All interpretation methods are explained in depth and discussed critically. How do they work under the hood? What are their strengths and weaknesses? How can their outputs be interpreted? This book will enable you to select and correctly apply the interpretation method that is most suitable for your machine learning project.

The Palgrave Handbook of Textbook Studies Eckhardt Fuchs 2018-04-04 This volume examines the present status and future trends of textbook studies. Cutting-edge essays by leading experts and emerging scholars explore the field's theories, methodologies, and topics with the goal of generating debate and providing new perspectives. The Georg Eckert Institute's unique transdisciplinary focus on international textbook research has shaped this handbook, which explores the history of the discipline, the production processes and contexts that influence textbooks, the concepts they incorporate, how this medium itself is received and future trends. The book maps and discusses approaches based in cultural studies as well as in the social and educational sciences in addition to contemporary methodologies used in the field. The book aims to become the central interdisciplinary reference for textbook researchers, students, and educational practitioners.

Advanced Concepts for Intelligent Vision Systems Jacques Blanc-Talon 2018-09-24 This book constitutes the refereed proceedings of the 19th International Conference on Advanced Concepts for Intelligent Vision Systems, ACIVS 2018, held in Poitiers, France, in September 2018. The 52 full papers presented in this volume were carefully reviewed and selected from 91 submissions. They were organized in topical sections named: video analysis; segmentation and classification; remote sensing; biometrics; deep learning; coding and compression; and image restoration and reconstruction.

Photon-Counting Image Sensors Eric R. Fossum 2018-07-06 This book is a printed edition of the Special Issue "Photon-Counting Image Sensors" that was published in *Sensors*

Handbook of Computer Animation John Vince 2003 Written by specialists in teaching computer animation, this text addresses key international topics of computer animation, such as: mathematics, modelling, rendering, and compositing. Each chapter discusses a particular topic and how it is applied, including state-of-the-art techniques that are used in computer animation. The handbook provides a complete and up-to-date picture of computer animation and will be a valuable

reference source for programmers, technical directors and animators in computer animation, computer games and special effects and also undergraduate and postgraduate students. The editor, John Vince, has written and edited over 20 books on computer graphics, computer animation and virtual reality.

Progress in Advanced Computing and Intelligent Engineering Khalid Saeed 2018-02-08 The book focuses on both theory and applications in the broad areas of communication technology, computer science and information security. This two volume book contains the Proceedings of International Conference on Advanced Computing and Intelligent Engineering. These volumes bring together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied investigation and convert applied investigation into practice.

Computational Science and Its Applications - ICCSA 2014 Beniamino Murgante 2014-07-01 The six-volume set LNCS 8579-8584 constitutes the refereed proceedings of the 14th International Conference on Computational Science and Its Applications, ICCSA 2014, held in Guimarães, Portugal, in June/July 2014. The 347 revised papers presented in 30 workshops and a special track were carefully reviewed and selected from 1167. The 289 papers presented in the workshops cover various areas in computational science ranging from computational science technologies to specific areas of computational science such as computational geometry and security.

Real-Time Rendering Tomas Akenine-Möller 2019-01-18 Thoroughly revised, this third edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. The authors have made the figures used in the book available for download for fair use.:Download Figures. Reviews Rendering has been a required reference for professional graphics practitioners for nearly a decade. This latest edition is as relevant as ever, covering topics from essential mathematical foundations to advanced techniques used by today's cutting edge games. -- Gabe Newell, President, Valve, May 2008 Rendering ... has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The Bookwatch, November 2008 You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well as a new respect for the incredible craftsmanship that goes into today's PC games. -- Logan Decker, PC Gamer Magazine , February 2009

The Principles of Beautiful Web Design Jason Beaird 2010-11-28 This second edition of *The Principles of Beautiful Web Design* is the ideal book for people who can build websites, but are seeking the skills and knowledge to visually enhance their sites. This book will teach you how to: Understand the process of what makes "good design," from discovery through to implementation Use color effectively, develop color schemes, and create a palette Create pleasing layouts using grids, the rule of thirds, and symmetry Employ textures: lines, points, shapes, volumes, and depth Apply typography to make ordinary designs look great Choose, edit, and position effective imagery And lots more... This revised, easy-to-follow guide is illustrated with beautiful, full-color examples, and leads readers through the process of creating great designs from start to finish. It also features: Updated information about grid-based design How to design for mobile resolutions Information about the future of web fonts including @font-face Common user-interface patterns and resources

Conference proceedings. New perspectives in science education 7th edition Pixel 2018-03-19

Multimedia Communications, Services and Security Andrzej Dziech 2014-05-20 This volume constitutes the refereed proceedings of the 7th International Conference on Multimedia Communications, Services and Security, MCSS 2014, held in Krakow, Poland, in June 2014. The 21 full papers included in the volume were selected from numerous submissions. The papers cover ongoing research activities in the following topics: audiovisual systems, novel multimedia architectures, multimedia data fusion, acquisition of multimedia content, quality of experience management, watermarking technology and applications, content searching methods, interactive multimedia applications, cybercrime countermeasures, cryptography, biometry, as well as privacy protection solutions.

Entropy in Image Analysis Amelia Carolina Sparavigna 2019-06-24 Image analysis is a fundamental task for extracting information from images acquired across a range of different devices. Since reliable quantitative results are requested, image analysis requires highly sophisticated numerical and analytical methods—particularly for applications in medicine, security, and remote sensing, where the results of the processing may consist of vitally important data. The contributions to this book provide a good overview of the most important demands and solutions concerning this research area. In particular, the reader will find image analysis applied for feature extraction, encryption and decryption of data, color segmentation, and in the support new technologies. In all the contributions, entropy plays a pivotal role.

The Google Story David A. Wise 2006 An inside look at the billion-dollar enterprise reveals how the Internet icon grew from a concept to a social phenomenon with a bold mission: to organize all of the world's information and make it easily accessible to people in more than one hundred languages. Reprint. 50,000 first printing.

Brain-Inspired Computing Lucio Grandinetti 2014-10-16 This book constitutes the thoroughly refereed conference proceedings of the International Workshop on Brain-inspired Computing, BrainComp 2013, held in Cetraro, Italy, in July 2013. The 16 revised full papers were carefully reviewed and selected from numerous submissions and cover topics such as brain structure and function as a neuroscience perspective, computational models and brain-inspired computing, HPC and visualization for human brain simulations.

Computer Vision Metrics Scott Krig 2014-06-14 *Computer Vision Metrics* provides an extensive survey and analysis of over 100 current and historical feature description and machine vision methods, with a detailed taxonomy for local, regional and global features. This book provides necessary background to develop

intuition about why interest point detectors and feature descriptors actually work, how they are designed, with observations about tuning the methods for achieving robustness and invariance targets for specific applications. The survey is broader than it is deep, with over 540 references provided to dig deeper. The taxonomy includes search methods, spectra components, descriptor representation, shape, distance functions, accuracy, efficiency, robustness and invariance attributes, and more. Rather than providing 'how-to' source code examples and shortcuts, this book provides a counterpoint discussion to the many fine opencv community source code resources available for hands-on practitioners.

Technology in Education. Innovations for Online Teaching and Learning Lap-Kei Lee 2020-12-16 This book constitutes extended papers from the 5th International Conference on Technology in Education, ICTE 2020, held in August 2020. Due to the COVID-19 pandemic the conference was held online. The 30 papers presented in this volume were carefully reviewed and selected from 79 submissions. They are organized in topical sections on instructional technology; learning analysis and assessment; learning environment; open and collaborative learning; technology and education.

Graphics Interface 2014 Paul G. Kry 2020-11-26 This book is the proceedings of the 40th annual Graphics Interface conference—the oldest continuously scheduled conference in the field. The book includes high-quality papers on recent advances in interactive systems, human computer interaction, and graphics from around the world. It covers the following topics: shading and rendering, geometric modeling and meshing, image-based rendering, image synthesis and realism, computer animation, real-time rendering, non-photorealistic rendering, interaction techniques, human interface devices, augmented reality, data and information visualization, mobile computing, haptic and tangible interfaces, and perception.

Multisensor Attitude Estimation Hassen Fourati 2016-11-03 There has been an increasing interest in multi-disciplinary research on multisensor attitude estimation technology driven by its versatility and diverse areas of application, such as sensor networks, robotics, navigation, video, biomedicine, etc. Attitude estimation consists of the determination of rigid bodies' orientation in 3D space. This research area is a multilevel, multifaceted process handling the automatic association, correlation, estimation, and combination of data and information from several sources. Data fusion for attitude estimation is motivated by several issues and problems, such as data imperfection, data multi-modality, data dimensionality, processing framework, etc. While many of these problems have been identified and heavily investigated, no single data fusion algorithm is capable of addressing all the aforementioned challenges. The variety of methods in the literature focus on a subset of these issues to solve, which would be determined based on the application in hand. Historically, the problem of attitude estimation has been introduced by Grace Wahba in 1965 within the estimate of satellite attitude and aerospace applications. This book intends to provide the reader with both a generic and comprehensive view of contemporary data fusion methodologies for attitude estimation, as well as the most recent researches and novel advances on multisensor attitude estimation task. It explores the design of algorithms and architectures, benefits, and challenging aspects, as well as a broad array of disciplines, including: navigation, robotics, biomedicine, motion analysis, etc. A number of issues that make data fusion for attitude estimation a challenging task, and which will be discussed through the different chapters of the book, are related to: 1) The nature of sensors and information sources (accelerometer, gyroscope, magnetometer, GPS, inclinometer, etc.); 2) The computational ability at the sensors; 3) The theoretical developments and convergence proofs; 4) The system architecture, computational resources, fusion level.

Symmetry in Vision Marco Bertamini 2018-07-09 This book is a printed edition of the Special Issue "Symmetry in Vision" that was published in *Symmetry*

Emerging Technologies and Techniques for Remote Sensing of Coastal and Inland Waters Wesley Moses 2022-11-08

Educating for the 21st Century Suzanne Choo 2016-10-20 All over the world, governments, policymakers, and educators are advocating the need to educate students for the 21st first century. This book provides insights into what this means and the ways 21st century education is theorized and implemented in practice. The first part, "Perspectives: Mapping our futures-in-the-making," uncovers the contradictions, tensions and processes that shape 21st century education discourses. The second part, "Policies: Constructing the future through policymaking," discusses how 21st century education is translated into policies and the resulting tensions that emerge from top-down, state sanctioned policies and bottom-up initiatives. The third part, "Practices: Enacting the Future in Local Contexts," discusses on-the-ground initiatives that schools in various countries around the world enact to educate their students for the 21st century. This volume includes contributions from leading scholars in the field as well as educators from schools and those working with schools.

Teaching Primary Science Constructively Keith Skamp 2017-09-05 Teaching Primary Science Constructively helps readers to create effective science learning experiences for primary students by using a constructivist approach to learning. This best-selling text explains the principles of constructivism and their implications for learning and teaching, and discusses core strategies for developing science understanding and science inquiry processes and skills. Chapters also provide research-based ideas for implementing a constructivist approach within a number of content strands. Throughout there are strong links to the key ideas, themes and terminology of the revised Australian Curriculum: Science. This sixth edition includes a new introductory chapter addressing readers' preconceptions and concerns about teaching primary science.

Geo-Spatial Knowledge and Intelligence Hanning Yuan 2017-03-02 The two volume proceedings of CCIS 698 and 699 constitutes revised selected papers from the 4th International Conference on Geo-Informatics in Resource Management and Sustainable Ecosystem, GRMSE 2016, held in Hong Kong, China, in November 2016. The total of 118 papers presented in these proceedings were carefully reviewed and selected from 311 submissions. The contributions were organized in topical sections named: smart city in resource management and sustainable ecosystem; spatial data acquisition through RS and GIS in resource management and sustainable ecosystem; ecological and environmental data processing and management; advanced geospatial model and analysis for understanding ecological and environmental processes; applications of geo-informatics in resource management and sustainable ecosystem.

Doing AI Richard Heimann 2021-12-14 Artificial intelligence (AI) has captured our imaginations—and become a distraction. Too many leaders embrace the oversized narratives of artificial minds outpacing human intelligence and lose sight of the original problems they were meant to solve. When businesses try to "do AI," they place an abstract solution before problems and customers without fully considering whether it is wise, whether the hype is true, or how AI will impact their organization in the long term. Often absent is sound reasoning for why they should go down this path in the first place. Doing AI explores AI for what it actually is—and what it is not—and the problems it can truly solve. In these pages, author Richard Heimann unravels the tricky relationship between problems and high-tech solutions, exploring the pitfalls in solution-centric thinking and explaining how businesses should rethink AI in a way that aligns with their cultures, goals, and values. As the Chief AI Officer at Cybraics Inc., Richard Heimann knows from

experience that AI-specific strategies are often bad for business. Doing AI is his comprehensive guide that will help readers understand AI, avoid common pitfalls, and identify beneficial applications for their companies. This book is a must-read for anyone looking for clarity and practical guidance for identifying problems and effectively solving them, rather than getting sidetracked by a shiny new "solution" that doesn't solve anything.

Postharvest Handling Wojciech J. Florkowski 2014-04-09 Postharvest Handling, Third Edition takes a global perspective in offering a system of measuring, monitoring, and managing produce processing to improve food quality, minimize food waste, reduce risks and uncertainties, and maximize time and resources. This unique resource provides an overview of the postharvest system and its role in the food value chain, and offers essential tools to monitor and control the handling process. It shows how to predict and combat unexpected events (e.g., spoilage), and manage the food quality and safety within a facility. Proven research methods and applications from various viewpoints are available to help you maintain high-quality produce and achieve the highest yields possible. The book also explores current challenges—including oversupply, waste, food safety, lack of resources, sustainability—and best practices for production to thrive in spite of these challenges. Presents current research methods and applications in temperature control and heat treatments to help minimize moisture content, to prevent spoilage and mold, and more Addresses challenges of traceability and sustainability Presents testing and measurement techniques and applications Provides technological tools to create crop value and improve both food safety and food quality

Symmetry István Hargittai 2014-05-23 International Series in Modern Applied Mathematics and Computer Science, Volume 10: Symmetry: Unifying Human Understanding provides a tremendous scope of "symmetry", covering subjects from fractals through court dances to crystallography and literature. This book discusses the limits of perfection, symmetry as an aesthetic factor, extension of the Neumann-Minnigerode-Curie principle, and symmetry of point imperfections in solids. The symmetry rules for chemical reactions, matching and symmetry of graphs, mosaic patterns of H. J. Woods, and bilateral symmetry in insects are also elaborated. This text likewise covers the crystallographic patterns, Milton's mathematical symbol of theodicy, symmetries of soap films, and gapon formalism. This volume is a good source for researchers and specialists concerned with symmetry.

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HCI International 2022 Posters Constantine Stephanidis 2022-06-16 Chapter "Swedish Recreational Businesses Coping with COVID-19 Using Technologies" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

1001 Math Problems LearningExpress LLC 2013 1001 math problems will teach you how to: master core concepts to prepare for important exams, learn math rules and how to apply them to problems, learn math skills you can apply when solving problems at all levels, and overcome math anxiety through skills reinforcement and focused practice.

Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies Zhao, Jingyuan 2021-06-25 Recently, artificial intelligence (AI), the internet of things (IoT), and cognitive technologies have successfully been applied to various research domains, including computer vision, natural language processing, voice recognition, and more. In addition, AI with IoT has made a significant breakthrough and a shift in technical direction to achieve high efficiency and adaptability in a variety of new applications. On the other hand, network design and optimization for AI applications addresses a complementary topic, namely the support of AI-based systems through novel networking techniques, including new architectures, as well as performance models for IoT systems. IoT has paved the way to a plethora of new application domains, at the same time posing several challenges as a multitude of devices, protocols, communication channels, architectures, and middleware exist. Big data generated by these devices calls for advanced learning and data mining techniques to effectively understand, learn, and reason with this volume of information, such as cognitive technologies. Cognitive technologies play a major role in developing successful cognitive systems which mimic "cognitive" functions associated with human intelligence, such as "learning" and "problem solving." Thus, there is a continuing demand for recent research in these two linked fields. The Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies discusses the latest innovations and applications of AI, IoT, and cognitive-based smart systems. The chapters cover the intersection of these three fields in emerging and developed economies in terms of their respective development situation, public policies, technologies and intellectual capital, innovation systems, competition and strategies, marketing and growth capability, and governance and relegation models. These applications span areas such as healthcare, security and privacy, industrial systems, multidisciplinary sciences, and more. This book is ideal for technologists, IT specialists, policymakers, government officials, academics, students, and practitioners interested in the experiences of innovations and applications of AI, IoT, and cognitive technologies.

Recent Advances in Artificial Neural Networks and Embedded Systems for Multi-Source Image Fusion Xin Jin 2022-09-13

Conference Proceedings. The Future of Education Pixel 2015-07-01

Combinatorial Image Analysis Reneta P. Barneva 2023-01-01 This book constitutes the refereed proceedings of the 201st International Workshop on Combinatorial Image Analysis, IWCA 2022, held in Messina, Italy, in July 2022. The 20 full papers presented were carefully reviewed and selected from 24 submissions. The papers are grouped into four sections. The first one consists of one invited talk. The second section contains seven papers devoted to digital geometry and topology. The third part consists of six papers discussing picture languages. The last part, including six papers, is devoted to various applications. We believe that many of these papers would be of interest to a broader audience, including researchers in scientific areas such as computer vision, shape modeling, pattern analysis and recognition, and computer graphics.

Breast Imaging Hiroshi Fujita 2014-06-23 This book constitutes the refereed proceedings of the 12th International Workshop on Breast Imaging, IWDM 2014, held in Gifu City, Japan, in June/July 2014. The 24 revised full papers and 73 revised poster papers presented together with 6 invited talks were carefully reviewed and selected from 122 submissions. The papers are organized in topical sections on screening outcomes, ultrasound, breast density, imaging physics, CAD, tomosynthesis and ICT and image processing.

Rotating Machinery, Optical Methods & Scanning LDV Methods, Volume 6 Dario Di Maio 2021-08-25 [Rotating Machinery, Optical Methods & Scanning LDV Methods, Volume 6: Proceedings of the 39th IMAC, A Conference and Exposition on Structural Dynamics, 2021, the sixth volume of nine from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Structural Health Monitoring, including papers on: Novel Techniques Optical Methods, Scanning LDV Methods Photogrammetry & DIC Rotating Machinery

Conference Proceeding. New Perspectives in Scienze Education Pixel 2016-03-04