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Fundamental Approaches to Software EngineeringInternational Mathematical NewsAussois 2001Fundamentals of Resource Allocation in Wireless NetworksConference ProceedingsApproximation and Online AlgorithmsInternational Chemical EngineeringMethods of Functional Analysis and TopologyCounting the PoorEJB Reviews 1990BDA Berlin 2005World Directory of MathematiciansProceedings of the ACM Symposium on Theory of ComputingSIAM Journal on ComputingMarkov Processes and Related FieldsProbability in Complex Physical SystemsQuantification of Biophysical Parameters in Medical ImagingGeometry and Topology of Submanifolds IXInteger Programming and Combinatorial OptimizationProgram SpecificationFactories for learningAI MagazineComputer Programs for Qualitative Data AnalysisThe Real Jim HawkinsChemical Reaction EngineeringSIAM Journal on Control and OptimizationNew Zealand Journal of MathematicsDistillation: Equipment and Processes2nd World Water CongressDocumenta MathematicaJournal de théorie des nombres de BordeauxMachine Learning, ECML- Metals AbstractsModeling, Simulation and Optimization of Complex ProcessesCommonwealth Universities YearbookPolyhedral and Algebraic Methods in Computational GeometryTurmDirectory of MembersThe Roots of Modern BiochemistryThe Asian Journal of Mathematics

Fundamental Approaches to Software Engineering

International Mathematical News

Polyhedral and Algebraic Methods in Computational Geometry provides a thorough introduction into algorithmic geometry and its applications. It presents its primary topics from the viewpoints of discrete, convex and elementary algebraic geometry. The first part of the book studies classical problems and techniques that refer to polyhedral structures. The authors include a study on algorithms for computing convex hulls as well as the construction of Voronoi diagrams and Delone triangulations. The second part of the book develops the primary concepts of (non-linear) computational algebraic geometry. Here, the book looks at Gröbner bases and solving systems of polynomial equations. The theory is illustrated by applications in computer graphics, curve reconstruction and robotics. Throughout the book, interconnections between computational geometry and other disciplines (such as algebraic geometry, optimization and numerical mathematics) are established. Polyhedral and Algebraic Methods in Computational Geometry is directed towards advanced undergraduates in mathematics and computer science, as well as towards engineering students who are interested in the applications of computational geometry.

Aussois 2001

Distillation: Equipment and Processes—winner of the 2015 PROSE Award in Chemistry & Physics from the Association of American Publishers—is a single source of authoritative information on all aspects of the theory and practice of

modern distillation, suitable for advanced students and professionals working in a laboratory, industrial plants, or a managerial capacity. It addresses the most important and current research on industrial distillation, including all steps in process design (feasibility study, modeling, and experimental validation), together with operation and control aspects. This volume features an extra focus on distillation equipment and processes. Winner of the 2015 PROSE Award in Chemistry & Physics from the Association of American Publishers Practical information on the newest development written by recognized experts Coverage of a huge range of laboratory and industrial distillation approaches Extensive references for each chapter facilitates further study

Fundamentals of Resource Allocation in Wireless Networks

Conference Proceedings

In the mid-1980s the European Journal of Biochemistry set out to publish review articles. The enterprise proved successful resulting in high-level reviews written by well-known scientists appearing in the Journal. The reviews represent emerging and rapidly growing fields of research in fundamental as well as applied areas of biochemistry, such as medicine, biotechnology, agriculture and nutrition. Novel methodological and technological approaches which stimulate biochemical research are also included. The authors of the reviews are explicitly asked to be critical, selective, evaluative and interdisciplinarily oriented. The reviews should encourage young scientists toward independent and creative thinking, and inform active investigators about the state of the art in a given field.

Approximation and Online Algorithms

http://www.worldscientific.com/worldscibooks/10.1142/4122

International Chemical Engineering

The purpose of this book is to provide tools for a better understanding of the fundamental tradeo?s and interdependencies in wireless networks, with the goal of designing resource allocation strategies that exploit these int- dependencies to achieve signi?cant performance gains. Two facts prompted us to write it: First, future wireless applications will require a fundamental understanding of the design principles and control mechanisms in wireless networks. Second, the complexity of the network problems simply precludes the use of engineering common sense alone to identify good solutions, and so mathematics becomes the key avenue to cope with central technical problems in the design of wireless networks. In this book, two ?elds of mathematics play a central role: Perron-Frobenius theory for non-negative matrices and optimization theory. This book is a revised and expanded version of the research monograph "Resource Allocation in Wireless Networks" that was published as Lecture Notes in Computer Sciences (LNCS 4000) in 2006. Although the general structure has remained unchanged to a large extent, the book contains - merous additional results and more detailed discussion. For instance, there is a more extensive treatment of general nonnegative matrices and

interf- ence functions that are described by an axiomatic model. Additional material on max-min fairness, proportional fairness, utility-based power control with QoS (quality of service) support and stochastic power control has been added.

Methods of Functional Analysis and Topology

The International Water Association's 2nd World Water Congress held in Berlin in October 2001 was, like its predecessor, a resounding and well attended success. At the centre of its programme were over three hundred oral presentations addressing the drinking water, sanitation, stormwater and environmental needs of communities worldwide. From the large number of oral presentations, after full peer review, 60 papers dealing with aspects of wastewater treatment processes and sludge management have been selected for this issue. Topics include: treatment microbiology and particle separation; physicochemical treatment and industrial wastewater; biological nutrient removal (including process control); anaerobic treatment; physical-chemical techniques for nutrient removal from wastewater and membrane processes; process design; small wastewater treatment plants; sludge management, strategies and policies; and sludge treatment processes. With some of the world's leading experts as authors, highlighting the latest research results and their practical applications, these proceedings are an essential compilation of the latest advances relating to the whole wastewater treatment process, from fundamental treatment processes to sludge management practices. SPECIAL 2ND WORLD WATER CONGRESS PACKAGE - 50% DISCOUNT

Counting the Poor

EJB Reviews 1990

With contributions from the world's foremost authorities on social measurement, this volume promises to be the definitive reference for poverty researchers and policymakers seeking to disengage politics from measurement.

BDA Berlin 2005

World Directory of Mathematicians

Proceedings of the ACM Symposium on Theory of Computing

SIAM Journal on Computing

This proceedings volume contains a selection of papers presented at the Fourth International Conference on High Performance Scientific Computing held at the Hanoi Institute of Mathematics, Vietnamese Academy of Science and Technology (VAST), March 2-6, 2009. The conference was organized by the Hanoi Institute of

Mathematics, the Interdisciplinary Center for Scientific Computing (IWR), Heidelberg, and its Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, and Ho Chi Minh City University of Technology. The contributions cover the broad interdisciplinary spectrum of scientific computing and present recent advances in theory, development of methods, and applications in practice. Subjects covered are mathematical modelling, numerical simulation, methods for optimization and control, parallel computing, software development, applications of scientific computing in physics, mechanics, biology and medicine, engineering, hydrology problems, transport, communication networks, production scheduling, industrial and commercial problems.

Markov Processes and Related Fields

Probability in Complex Physical Systems

Quantification of Biophysical Parameters in Medical Imaging

Generations of readers have enjoyed the adventures of Jim Hawkins, the young protagonist and narrator in Robert Louis Stevensons Treasure Island, but little is known of the real Jim Hawkins and the thousands of poor boys who went to sea in the eighteenth century to man the ships of the Royal Navy. This groundbreaking new work is a study of the origins, life and culture of the boys of the Georgian navy, not of the upper-class children training to become officers, but of the orphaned, delinquent or just plain adventurous youths whose prospects on land were bleak and miserable. Many had no adult at all taking care of them; others were failed apprentices; many were troublesome youths for whom communities could not provide so that the Navy represented a form of floating workhouse. Some, with restless and roving minds, like Defoes Robinson Crusoe, saw deep sea life as one of adventure, interspersed with raucous periods ashore drinking, singing and womanizing. The author explains how they were recruited; describes the distinctive subculture of the young sailor the dress, hair, tattoos and language and their life and training as servants of captains and officers.More than 5,000 boys were recruited during the Seven Years War alone and without them the Royal Navy could not have fought its wars. This is a fascinating tribute to a forgotten band of sailors.

Geometry and Topology of Submanifolds IX

This book provides a selection of essential knowledge on the image-based quantification of biophysical parameters for the purpose of clinical diagnosis. The authors regard clinical imaging scanners as physical measurement systems capable of quantifying intrinsic parameters for depiction of the constitution and biophysical properties of in vivo tissue. On the one hand, this approach supports the development of new methods of imaging highly reproducible, system-independent, and quantitative biomarkers, and these methods receive detailed attention in the book. On the other hand, the reader will also gain a deeper

understanding of how physical tissue properties interact with the generation of signals in medical imaging, opening new windows on the intricate and fascinating relationship between the structure and function of living tissues. The book will be of interest to all who recognize the limitations of basing clinical diagnosis primarily on visual inspection of images and who wish to learn more about the diagnostic potential of quantitative and biophysics-based medical imaging markers and the challenges that the paucity of such markers poses for next-generation imaging technologies.

Integer Programming and Combinatorial Optimization

Program Specification

This book constitutes the thoroughly refereed post-proceedings of the First International Workshop on Approximation and Online Algorithms, WAOA 2003, held in Budapest, Hungary in September 2003. The 19 revised full papers presented together with 5 invited abstracts of the related ARACNE mini-symposium were carefully selected from 41 submissions during two rounds of reviewing and improvement. Among the topics addressed are competitive analysis, inapproximability results, randomization techniques, approximation classes, scheduling, coloring and partitioning, cuts and connectivity, packing and covering, geometric problems, network design, and applications to game theory and financial problems.

Factories for learning

Yearbook of the Association of German Architects. 50+ architectural practises projects. Dual Text English and German.

AI Magazine

Computer Programs for Qualitative Data Analysis

The Real Jim Hawkins

Written by qualitative researchers for qualitative researchers, and not presuming extensive computer experience, this user-friendly guide takes a critical look at the wide range of software currently available. The book gives detailed reviews of 24 programs in five major categories: text retrievers, textbase managers, code-and-retrieve programs, code-based theory-builders and conceptual network-builders. In addition, the book provides ratings of over 75 features per program. The authors also offer detailed guidance on the operation of each program, helping the reader to ask key questions about the use of the computer - the nature of the project being undertaken, what time-line analyses are planned and what worksheets are re

Chemical Reaction Engineering

SIAM Journal on Control and Optimization

New Zealand Journal of Mathematics

Distillation: Equipment and Processes

2nd World Water Congress

Documenta Mathematica

Issues for Dec. 1952- include section: Nachrichten der Österreichischen Mathematischen Gesellschaft.

Journal de théorie des nombres de Bordeaux

This book is dedicated to Jack Edmonds in appreciation of his ground breaking work that laid the foundations for a broad variety of subsequent results achieved in combinatorial optimization. The main part consists of 13 revised full papers on current topics in combinatorial optimization, presented at Aussois 2001, the Fifth Aussois Workshop on Combinatorial Optimization, March 5-9, 2001, and dedicated to Jack Edmonds. Additional highlights in this book are an account of an Aussois 2001 special session dedicated to Jack Edmonds including a speech given by William R. Pulleyblank as well as newly typeset versions of three up-to-now hardly accessible classical papers: - Submodular Functions, Matroids, and Certain Polyhedra by Jack Edmonds - Matching: A Well-Solved Class of Integer Linear Programs by Jack Edmonds and Ellis L. Johnson - Theoretical Improvements in Algorithmic Efficiency for Network Flow Problems by Jack Edmonds and Richard M. Karp.

Machine Learning, ECML-

Metals Abstracts

Modeling, Simulation and Optimization of Complex Processes

Commonwealth Universities Yearbook

Polyhedral and Algebraic Methods in Computational Geometry

This book constitutes the refereed proceedings of the 7th International Conference on Integer Programming and Combinatorial Optimization, IPCO'99, held in Graz, Austria, in June 1999. The 33 revised full papers presented were carefully reviewed and selected from a total of 99 submissions. Among the topics addressed are theoretical, computational, and application-oriented aspects of approximation algorithms, branch and bound algorithms, computational biology, computational complexity, computational geometry, cutting plane algorithms, diaphantine equations, geometry of numbers, graph and network algorithms, online algorithms, polyhedral combinatorics, scheduling, and semidefinite programs.

Turm

Directory of Members

The Roots of Modern Biochemistry

Probabilistic approaches have played a prominent role in the study of complex physical systems for more than thirty years. This volume collects twenty articles on various topics in this field, including self-interacting random walks and polymer models in random and non-random environments, branching processes, Parisi formulas and metastability in spin glasses, and hydrodynamic limits for gradient Gibbs models. The majority of these articles contain original results at the forefront of contemporary research; some of them include review aspects and summarize the state-of-the-art on topical issues – one focal point is the parabolic Anderson model, which is considered with various novel aspects including moving catalysts, acceleration and deceleration and fron propagation, for both time-dependent and time-independent potentials. The authors are among the world's leading experts. This Festschrift honours two eminent researchers, Erwin Bolthausen and Jürgen Gärtner, whose scientific work has profoundly influenced the field and all of the present contributions.

The Asian Journal of Mathematics

Over half of England's secondary schools are now academies. While their impact on achievement has been debated, the social and cultural outcomes prompted by this neoliberal educational model has received less scrutiny. This book draws on original research based at Dreamfields Academy, a celebrated flagship secondary school in a large English city, to show how the accelerated marketization and centralization of education is reproducing raced, classed and gendered inequalities. The book also examines the complex stories underlying Dreamfields' glossy veneer of success and shows how students, teachers and parents navigate the everyday demands of Dreamfields' results-driven conveyor belt. Hopes and dreams are effectively harnessed and mobilized to enact insidious forms of social control, as education develops new sites and discourses of surveillance.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION