International Journal Computers Mathematics With Applications

By abbreviationInternational Journal of Computers & ApplicationsSymmetryJournal of Library AutomationReverse Acronyms Initialisms & Abbrev DictAdaptive Computing : Mathematical and Physical Methods for Complex EnvironmentsComputer Science ResourcesCalculus for Engineering StudentsFulltext Sources OnlineNumerical Computations: Theory and AlgorithmsInternational Journal of Applied MathematicsComputer & Telecommunications AcronymsDiscovering the musical mindBenn's Media DirectoryPublications in EngineeringKey Ideas in Teaching MathematicsBenn's Media Directory, 1993Computer Aided Assessment of MathematicsAPOS TheoryAcronyms, Initialisms & Abbreviations DictionaryInternational Journal of Applied Mathematics and Computer ScienceHandbook of Research on Novel Soft Computing Intelligent AlgorithmsReverse Acronyms, Initialisms, & Abbreviations DictionaryFrom Parallel to Emergent ComputingIssues in Logic, Operations, and Computational Mathematics and Geometry: 2011 EditionDirectory of Periodicals OnlineTeaching MathsProceedings of the Third International Conference on Computing, Mathematics and Statistics (iCMS2017)Computer Aided Geometric DesignComputing Information DirectoryRouting in Opportunistic NetworksComputer Publishers & PublicationsPeriodical Title Abbreviations: By abbreviationUlrich's International Periodicals DirectoryBenn's Press DirectoryCase Studies in Intelligent ComputingWilling's Press GuideIntelligent Computer MathematicsTubular String Characterization in High Temperature High Pressure Oil and Gas WellsComputer Mathematics and Its Applications

By abbreviation

International Journal of Computers & Applications

Covers aerospace, associations, banking, biochemistry, business, data processing, domestic and international affairs, economics, education, electronics, genetics, government information technology, internet, investment, labor, language, law, medicine, military affairs, pharmacy, physiology, politics, religion, science, societies, sports, technical drawings and specifications, telecommunications, trade, transportation, and other fields.

Symmetry

Modern computing relies on future and emergent technologies which have been conceived via interaction between computer science, engineering, chemistry, physics and biology. This highly interdisciplinary book presents advances in the fields of parallel, distributed and emergent information processing and computation. The book represents major

breakthroughs in parallel quantum protocols, elastic cloud servers, structural properties of interconnection networks, internet of things, morphogenetic collective systems, swarm intelligence and cellular automata, unconventionality in parallel computation, algorithmic information dynamics, localized DNA computation, graph-based cryptography, slime mold inspired nano-electronics and cytoskeleton computers. Features Truly interdisciplinary, spanning computer science, electronics, mathematics and biology Covers widely popular topics of future and emergent computing technologies, cloud computing, parallel computing, DNA computation, security and network analysis, cryptography, and theoretical computer science Provides unique chapters written by top experts in theoretical and applied computer science, information processing and engineering From Parallel to Emergent Computing provides a visionary statement on how computing will advance in the next 25 years and what new fields of science will be involved in computing engineering. This book is a valuable resource for computer scientists working today, and in years to come.

Journal of Library Automation

Computer Aided Geometric Design covers the proceedings of the First International Conference on Computer Aided Geometric Design, held at the University of Utah on March 18-21, 1974. This book is composed of 15 chapters and starts with reviews of the properties of surface patch equation and the use of computers in geometrical design. The next chapters deal with the principles of smooth interpolation over triangles and without twist constraints, as well as the graphical representation of surfaces over triangles and rectangles. These topics are followed by discussions of the B-spline curves and surfaces; mathematical and practical possibilities of UNISURF; nonlinear splines; and some piecewise polynomial alternatives to splines under tension. Other chapters explore the smooth parametric surfaces, the space curve as a folded edge, and the interactive computer graphics application of the parametric bi-cubic surface to engineering design problems. The final chapters look into the three-dimensional human-machine communication and a class of local interpolating splines. This book will prove useful to design engineers.

Reverse Acronyms Initialisms & Abbrev Dict

The two-volume set LNCS 11973 and 11974 constitute revised selected papers from the Third International Conference on Numerical Computations: Theory and Algorithms, NUMTA 2019, held in Crotone, Italy, in June 2019. This volume, LNCS 11973, consists of 34 full and 18 short papers chosen among papers presented at special streams and sessions of the Conference. The papers in part I were organized following the topics of these special sessions: approximation: methods, algorithms, and applications; computational methods for data analysis; first order methods in optimization: theory and applications; high performance computing in modelling and simulation; numbers, algorithms, and applications; optimization and management of water supply.

Adaptive Computing : Mathematical and Physical Methods for Complex Environments

Assessment is a key driver in mathematics education. This book examines computer aided assessment (CAA) of mathematics in which computer algebra systems (CAS) are used to establish the mathematical properties of expressions provided by students in response to questions. In order to automate such assessment, the relevant criteria must be encoded and, in articulating precisely the desired criteria, the teacher needs to think very carefully about the goals of the task. Hence CAA acts as a vehicle to examine assessment and mathematics education in detail and from a fresh perspective. One example is how it is natural for busy teachers to set only those questions that can be marked by hand in a straightforward way, even though the constraints of paper-based formats restrict what they do and why. There are other kinds of questions, such as those with non-unique correct answers, or where assessing the properties requires the marker themselves to undertake a significant computation. It is simply not sensible for a person to set these to large groups of students when marking by hand. However, such questions have their place and value in provoking thought and learning. This book, aimed at teachers in both schools and universities, explores how, in certain cases, different question types can be automatically assessed. Case studies of existing systems have been included to illustrate this in a concrete and practical way.

Computer Science Resources

Big ideas in the mathematics curriculum for older school students, especially those that are hard to learn and hard to teach, are covered in this book. It will be a first port of call for research about teaching big ideas for students from 9-19 and also has implications for a wider range of students. These are the ideas that really matter, that students get stuck on, and that can be obstacles to future learning. It shows how students learn, why they sometimes get things wrong, and the strengths and pitfalls of various teaching approaches. Contemporary high-profile topics like modelling are included. The authors are experienced teachers, researchers and mathematics educators, and many teachers and researchers have been involved in the thinking behind this book, funded by the Nuffield Foundation. An associated website, hosted by the Nuffield Foundation, summarises the key messages in the book and connects them to examples of classroom tasks that address important learning issues about particular mathematical ideas.

Calculus for Engineering Students

High temperature, high oil pressure, oil and gas well completion testing have always been a technical challenge and basic theoretical research is one of the key factors needed to ensure a successful completion test. The completion test basic theory includes: a stress analysis of the completion string, completion string buckling behavior, and temperature and

pressure distribution prediction. The completion string is the main bearing and power transmission component for oil and gas well operations and production, and it is required to take on a combination of loads, which result in completion string deformation. Because of these complex relationships, completion string stress analysis has become increasingly more complicated. This book discusses the characters of tubular strings in HTHP (High Temperature - High Pressure) oil and gas wells. These characters include the mechanical behavior of tubular strings and the temperature and pressure variation of tubular strings in different conditions. Mathematical models are established for different conditions and solution existence and uniqueness of some models is discussed, providing algorithms corresponding to the different models. Numerical experiments are presented to verify the validity of models and the feasibility of algorithms, and the impact of the parameters of models for oil and gas wells is also discussed. This book is written for production and testing engineers to provide them with the tools to deal more effectively with the numerical decisions they have to take and for researchers and technicians in petroleum and gas testing and production engineering. Finally, it is also intended to serve as a reference book for mathematicians, college teachers and students.

Fulltext Sources Online

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.

Numerical Computations: Theory and Algorithms

International Journal of Applied Mathematics

This book constitutes the joint refereed proceedings of the 20th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning, Calculemus 2013, 6th International Workshop on Digital Mathematics Libraries, DML 2013, Systems and Projects, held in Bath, UK as part of CICM 2013, the Conferences on Intelligent Computer Mathematics. The 7 revised full papers out of 18 submissions for MKM 2013, 5 revised full papers out of 12 submissions for Calculemus 2013, 6 revised full papers out of 8 submissions for DML 2013, and 12 revised full papers out of 16 submissions for Systems and

Project track presented together with 3 invited talks were carefully reviewed and selected, resulting in 33 papers from a total of 73 submissions.

Computer & Telecommunications Acronyms

Discovering the musical mind

Following her distinguished earlier career as a concert pianist and later as a music theorist, Jeanne Bamberger conducted countless case studies analysing musical development and creativity the results of which were published in important scientific journals. Discovering musical mind draws together in one source these classic studies, offering the chance to revisit and reconsider some of her conclusions. Reviewing the data in light of current theories of cognitive development, she discusses how some of the conclusions she drew stand up to scrutiny, whilst in other cases, anomalies turn out to have greater significance than expected. The book is a collection of Bamberger's papers from 1975 to 2011. It includes her first study of Beethoven's original fingerings, her beginning work with children's invented notations, close observations and analysis of children in the Laboratory for Making Things, studies of musically gifted children, and the emergent musical development of students in elementary-secondary school and university undergraduate and graduate studies. The observations and research lead to the development of an interactive, computer-based music environment that uses her pragmatic theory of musical development as the basis for a project-oriented program for teaching and learning. Unlike other collections, the book is both interdisciplinary and strongly practical. It brings together and integrates Bamberger's background in music theory, research in music perception and music education, performance, cognitive development, artificial intelligence, and procedural music composition. Her multi-faceted approach to music theory and music pedagogy is guided throughout by her commitment to an understanding and respect for an individual's natural, creative musical intelligence. This natural competence becomes the formative ground on which to help people of all ages build an ever growing understanding and engagement with the evolving structures of the world's music. Bringing together a body of research currently scattered across a range of journals, or simply no longer available, the book will make fascinating reading for those in the fields of musical developmental and educational psychology.

Benn's Media Directory

Publications in Engineering

Key Ideas in Teaching Mathematics

Benn's Media Directory, 1993

This book is a product of the Third International Conference on Computing, Mathematics and Statistics (iCMS2017) to be held in Langkawi in November 2017. It is divided into four sections according to the thrust areas: Computer Science, Mathematics, Statistics, and Multidisciplinary Applications. All sections sought to confront current issues that society faces today. The book brings collectively quantitative, as well as qualitative, research methods that are also suitable for future research undertakings. Researchers in Computer Science, Mathematics and Statistics can use this book as a sourcebook to enrich their research works.

Computer Aided Assessment of Mathematics

Routing in Opportunistic Networks focuses on the basics of opportunistic networks, modeling and communication in opportunistic networks, routing in opportunistic networks, and collaboration and cooperation in opportunistic networks. The editors will cover such topics as mobility characterization and discovery in opportunistic networks, scheduling and medium access control in opportunistic networks as well as testbed, tools, and measurements for opportunistic networks.

APOS Theory

Acronyms, Initialisms & Abbreviations Dictionary

International Journal of Applied Mathematics and Computer Science

Calculus for Engineering Students: Fundamentals, Real Problems, and Computers insists that mathematics cannot be separated from chemistry, mechanics, electricity, electronics, automation, and other disciplines. It emphasizes interdisciplinary problems as a way to show the importance of calculus in engineering tasks and problems. While concentrating on actual problems instead of theory, the book uses Computer Algebra Systems (CAS) to help students incorporate lessons into their own studies. Assuming a working familiarity with calculus concepts, the book provides a hands-on opportunity for students to increase their calculus and mathematics skills while also learning about engineering

applications. Organized around project-based rather than traditional homework-based learning Reviews basic mathematics and theory while also introducing applications Employs uniform chapter sections that encourage the comparison and contrast of different areas of engineering

Handbook of Research on Novel Soft Computing Intelligent Algorithms

Reverse Acronyms, Initialisms, & Abbreviations Dictionary

From Parallel to Emergent Computing

"A guide to the press of the United Kingdom and to the principal publications of Europe, Australia, the Far East, Gulf States, and the U.S.A.

Issues in Logic, Operations, and Computational Mathematics and Geometry: 2011 Edition

Directory of Periodicals Online

In spite of the fact that APOS Theory has been used extensively in numerous scholarly publications, in the design of textbooks, and in teaching practice, there is no single references that contains all the relevant information about its components, and provides guidance about its application. The goal of this book is to present the main elements of APOS theory. It should be useful for researchers who work with, or would like to learn more about, this theoretical approach, people who are interested in the way which mathematical conceptions are constructed according to this theory, Mathematics Education researchers, graduate students in Mathematics Education, and Mathematics instructors.

Teaching Maths

Although the field of intelligent systems has grown rapidly in recent years, there has been a need for a book that supplies a timely and accessible understanding of this important technology. Filling this need, Case Studies in Intelligent Computing: Achievements and Trends provides an up-to-date introduction to intelligent systems. This edited book captures the state of the art in intelligent computing research through case studies that examine recent developments, developmental tools,

programming, and approaches related to artificial intelligence (AI). The case studies illustrate successful machine learning and AI-based applications across various industries, including: A non-invasive and instant disease detection technique based upon machine vision through the image scanning of the eyes of subjects with conjunctivitis and jaundice Semantic orientation-based approaches for sentiment analysis An efficient and autonomous method for distinguishing application protocols through the use of a dynamic protocol classification system Nonwavelet and wavelet image denoising methods using fuzzy logic Using remote sensing inputs based on swarm intelligence for strategic decision making in modern warfare Rainfall–runoff modeling using a wavelet-based artificial neural network (WANN) model Illustrating the challenges currently facing practitioners, the book presents powerful solutions recently proposed by leading researchers. The examination of the various case studies will help you develop the practical understanding required to participate in the advancement of intelligent computing applications. The book will help budding researchers understand how and where intelligent computing can be applied. It will also help more established researchers update their skills and fine-tune their approach to intelligent computing.

Proceedings of the Third International Conference on Computing, Mathematics and Statistics (iCMS2017)

School mathematics is a complex subject and an ever-changing topic, but this book will help teachers, parents and employers to understand it better.

Computer Aided Geometric Design

Computing Information Directory

Routing in Opportunistic Networks

Computer Publishers & Publications

Periodical Title Abbreviations: By abbreviation

Ulrich's International Periodicals Directory

Benn's Press Directory

Case Studies in Intelligent Computing

Issues in Logic, Operations, and Computational Mathematics and Geometry: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Logic, Operations, and Computational Mathematics and Geometry. The editors have built Issues in Logic, Operations, and Computational Mathematics and Geometry: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Logic, Operations, and Computational Mathematics and Geometry in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Logic, Operations, and Computational Mathematics and Geometry: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Willing's Press Guide

"This book explores emerging technologies and best practices designed to effectively address concerns inherent in properly optimizing advanced systems, demonstrating applications in areas such as bio-engineering, space exploration, industrial informatics, information security, and nuclear and renewable energies"--Provided by publisher.

Intelligent Computer Mathematics

Tubular String Characterization in High Temperature High Pressure Oil and Gas Wells

Computer Mathematics and Its Applications

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