Mathematics Paper For June 2014

The Japan Daily MailMathematics for EquityMathematical Methods for Curves and Surfaces24th European Symposium on Computer Aided Process EngineeringMeeting the Challenges to Measurement in an Era of AccountabilityInternational Conference on Computational and Information Sciences (ICCIS) 2014The Official ACT Prep GuideFormal Concept AnalysisNeutrosophic Sets and Systems, Vol. IIIIntroductory Mathematics and Statistics, Revised Sixth EditionGet What's YoursIndustrial, Mechanical and Manufacturing ScienceVisualizing Mathematics with 3D PrintingLanguage, Life, LimitsAbstract State Machines, Alloy, B, TLA, VDM, and ZNeutrosophic Sets and Systems, Vol. IVBridging Research and Good Practices towards Patients WelfareCambridge International AS and A Level Mathematics: Pure Mathematics 2 and 3 Revised Edition CoursebookGraph-Theoretic Concepts in Computer Science10 YEAR-WISE CTET Paper 2 (Mathematics & Science) Solved Papers (2011 - 2018) - English EditionSoftware, Services, and SystemsWinds of ChangeAgent and Multi-Agent Systems: Technologies and ApplicationsModeling and Computation in Engineering IIINeutrosophic Sets and Systems, Vol. VIFinite Volumes for Complex Applications VII-Elliptic, Parabolic and Hyperbolic ProblemsInternational Conference on Mathematical Sciences and Statistics 2013CTET Practice Workbook Paper 1 (10 Solved + 10 Mock papers) Class 1 - 5 Teachers 5th EditionAdvances in Image and Graphics TechnologiesCTET Practice Workbook Paper 2 – Science & Mathematics (10 Solved + 10 Mock papers) Class 6 - 8 Teachers 5th EditionABZ 2014: The Landing Gear Case StudyCambridge International AS and A Level Mathematics: Pure Mathematics 2 & 3 CoursebookMathematical Combinatorics, vol. II, 2014Computer Science - Theory and ApplicationsПрикладная эконометрика No1 (33) 2014Advanced Information Systems Engineering WorkshopsHigher-Order Time Asymptotics of Fast Diffusion in Euclidean Space: A Dynamical Systems ApproachBulletin of Electrical Engineering and InformaticsImage and Signal ProcessingMathematical Cultures

The Japan Daily Mail

This collection presents significant contributions from an international network project on mathematical cultures, including essays from leading scholars in the history and philosophy of mathematics and mathematics education. Mathematics has universal standards of validity. Nevertheless, there are local styles in mathematical research and teaching, and great variation in the place of mathematics in the larger cultures that mathematical practitioners belong to. The reflections on mathematical cultures collected in this book are of interest to mathematicians, philosophers, historians, sociologists, cognitive scientists and mathematics educators.

Mathematics for Equity

Agents and multi-agent systems are related to a modern software paradigm which has long been recognized as a promising technology for constructing autonomous, complex and intelligent systems. The topics covered in this volume include agent-oriented software engineering, agent co-operation, co-ordination, negotiation, organization and communication, distributed problem solving, multi-agent communities, rational and clustering agents, learning paradigms, agent cognitive models, and heterogenous multi-agent environments. The volume highlights new trends and challenges in agent and multi-agent research and includes 30 papers classified in five specific topics: Modeling and logic agents, Knowledge based agent systems, Cognitive and cooperative multi-agent systems, Agent-based Modeling and Simulation, and Learning Paradigms and Applications: Agent-based Approach. The published papers have been presented at the 8th KES Conference on Agent and Multi-Agent Systems – Technologies and Applications (KES-AMSTA 2014) held in Chania on the island of Crete in Greece in June 2014. The presented results will be of value to the research community working in the fields of artificial intelligence, collective computational intelligence, robotics, dialogue systems and, in particular, agent and multi-agent systems, technologies and applications.

Mathematical Methods for Curves and Surfaces

This book is dedicated to Professor Martin Wirsing on the occasion of his emeritation from Ludwig-Maximilians-Universität in Munich, Germany. The volume is a reflection, with gratitude and admiration, on Professor Wirsing's life highly creative, remarkably fruitful and intellectually generous life. It also gives a snapshot of the research ideas that in many cases have been deeply influenced by Professor Wirsing's work. The book consists of six sections. The first section contains personal remembrances and expressions of gratitude from friends of Professor Wirsing. The remaining five sections consist of groups of scientific papers written by colleagues and collaborators of Professor Wirsing, which have been grouped and ordered according to his scientific evolution. More specifically, the papers are concerned with logical and algebraic foundations; algebraic specifications, institutions and rewriting; foundations of software engineering; service oriented systems; and adaptive and autonomic systems.

24th European Symposium on Computer Aided Process Engineering

Introductory Mathematics and Statistics, sixth edition, revised is the only Australian statistics book that includes a primer on basic maths to ensure a successful start to the study of statistics. Croucher demonstrates the relevance of mathematics and statistics in making decisions in day-to-day commercial situations. Numerous contemporary examples and pictorial presentations of data are provided to illustrate real world application of statistics. The content has been thoroughly revised and updated using modern data and a detailed description of difficult concepts. Introductory Mathematics and Statistics 6re provides an effective grounding of mathematical and statistical methods.

Meeting the Challenges to Measurement in an Era of Accountability

This book constitutes the thoroughly refereed post-conference proceedings of the 40th International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2014, held in Nouan-le-Fuzelier, France, in June 2014. The 32 revised full papers presented were carefully reviewed and selected from 80 submissions. The book also includes two invited papers. The papers cover a wide range of topics in graph theory related to computer science, such as design and analysis of sequential, parallel, randomized, parameterized and distributed graph and network algorithms; structural graph theory with algorithmic or complexity applications; computational complexity of graph and network problems; graph grammars, graph rewriting systems and graph modeling; graph drawing and layouts; computational geometry; random graphs and models of the web and scale-free networks; and support of these concepts by suitable implementations and applications.

International Conference on Computational and Information Sciences (ICCIS) 2014

This book constitutes the proceedings of the 9th International Computer Science Symposium in Russia, CSR 2014, held in Moscow, Russia, in June 2014. The 27 full papers presented in this volume were carefully reviewed and selected from 76 submissions. In addition the book contains 4 invited lectures. The scope of the proposed topics is quite broad and covers a wide range of areas in theoretical computer science and its applications.

The Official ACT Prep Guide

This paper quantifies the speed of convergence and higher-order asymptotics of fast diffusion dynamics on Rn to the Barenblatt (self similar) solution. Degeneracies in the parabolicity of this equation are cured by re-expressing the dynamics on a manifold with a cylindrical end, called the cigar. The nonlinear evolution becomes differentiable in Hölder spaces on the cigar. The linearization of the dynamics is given by the Laplace-Beltrami operator plus a transport term (which can be suppressed by introducing appropriate weights into the function space norm), plus a finite-depth potential well with a universal profile. In the limiting case of the (linear) heat equation, the depth diverges, the number of eigenstates increases without bound, and the continuous spectrum recedes to infinity. The authors provide a detailed study of the linear and nonlinear problems in Hölder spaces on the cigar, including a sharp boundedness estimate for the semigroup, and use this as a tool to obtain sharp convergence results toward the Barenblatt solution, and higher order asymptotics. In finer convergence results (after modding out symmetries of the problem), a subtle interplay between convergence rates and tail behavior is revealed. The difficulties involved in choosing the right functional spaces in which to carry out the analysis can be interpreted as genuine features of the equation rather than mere annoying technicalities.

Formal Concept Analysis

Helps those nearing retirement make the best decisions about their Social Security benefits by detailing techniques and options like "file and suspend" and "start stop start" to maximize their benefit income for a variety of different life situations.

Neutrosophic Sets and Systems, Vol. III

The 2014 International Conference on Industrial, Mechanical and Manufacturing Science (ICIMMS 2014) was held June 12-13 in Tianjin, China. The objective of ICIMMS 2014 was to provide a platform for researchers, engineers, academics as well as industry professionals from all over the world to present their research results and development activities

Introductory Mathematics and Statistics, Revised Sixth Edition

Ergonomics is a human-centered discipline. This is particularly true for healthcare systems and patient safety where the human's well-being will undergo critical impacts if solutions are not properly designed and practiced. Effective handling of these concerns involves knowledge from healthcare work (e.g., shift work, patient handling, and medical

Get What's Yours

This book constitutes the thoroughly refereed proceedings of five international workshops held in Thessaloniki, Greece, in conjunction with the 26th International Conference on Advanced Information Systems Engineering, CAiSE 2014, in June 2014. The 24 full and eight short papers were carefully selected from 63 submissions. The five workshops were the First International Workshop on Advanced Probability and Statistics in Information Systems (APSIS), the First International Workshop on Advances in Services Design Based on the Notion of Capability, the Second International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE), the Third Workshop on New Generation Enterprise and Business Innovation Systems (NGEBIS), and the 4th International Workshop on Information Systems Security Engineering (WISSE).

Industrial, Mechanical and Manufacturing Science

The only guide from the ACT organization, the makers of the exam, revised and updated for 2017 and beyond The Official ACT Prep Guide, 2018 Edition, Revised and Updated is the must-have resource for college bound students. The guide is the

go-to handbook for ACT preparation and the only guide from the makers of the exam. The book and online content includes the actual ACT test forms (taken from real ACT exams). In addition, this comprehensive resource has everything students need to know about when they are preparing for and taking the ACT. The book contains information on how to register for the exam, proven test-taking strategies, ideas for preparing mentally and physically, gearing up for test day, and much more. This invaluable guide includes additional questions and material that contains articles on everything from preparing a standout college application and getting into your top-choice school to succeeding in college The bestselling prep guide from the makers of the ACT test Offers bonus online contest to help boost college readiness Contains the real ACT test forms used in previous years This new edition offers students updated data on scoring your writing test, new reporting categories, as well as updated tips on how to do your best preparing for the test and on the actual test day from the team at ACT. It also offers additional 400 practice questions that are available online.

Visualizing Mathematics with 3D Printing

The demands of modeling and computation in engineering are rapidly growing as a multidisciplinary area with connections to engineering, mathematics and computer science. Modeling and Computation in Engineering III contains 45 technical papers from the 3rd International Conference on Modeling and Computation in Engineering (CMCE 2014, 28-29 June 201

Language, Life, Limits

CTET Paper 2 (Science/ Maths) Year-wise Solved Papers (2011 - 2018) - English Edition contains Past 10 Solved Papers of the CTET exam. The past CTET Solved papers included are : June 2011, Jan & Nov 2012, July 2013, Feb & Sep 2014, Feb & Sep 2015 and Feb & Sep 2016 Papers. The languages covered in the tests are English (1st language) and Hindi (2nd language).

Abstract State Machines, Alloy, B, TLA, VDM, and Z

Cambridge AS and A Level Mathematics is a revised series to ensure full syllabus coverage. This coursebook has been revised and updated to ensure that it meets the requirements for the Pure Mathematics 2 and 3 (P2 and P3) units of Cambridge AS and A Level Mathematics (9709). Additional materials have been added to sections on logarithmic and exponential functions, the derivative of tan x and vectors. All of the review questions have been updated to reflect changes in the style of questions asked in the course.

Neutrosophic Sets and Systems, Vol. IV

Wouldn't it be great to experience three-dimensional ideas in three dimensions? In this bookâ€"the first of its kindâ€"mathematician and mathematical artist Henry Segerman takes readers on a fascinating tour of two-, three-, and four-dimensional mathematics, exploring Euclidean and non-Euclidean geometries, symmetry, knots, tilings, and soap films. Visualizing Mathematics with 3D Printing includes more than 100 color photographs of 3D printed models. Readers can take the book's insights to a new level by visiting its sister website, 3dprintmath.com, which features virtual three-dimensional versions of the models for readers to explore. These models can also be ordered online or downloaded to print on a 3D printer. Combining the strengths of book and website, this volume pulls higher geometry and topology out of the realm of the abstract and puts it into the hands of anyone fascinated by mathematical relationships of shape. With the book in one hand and a 3D printed model in the other, readers can find deeper meaning while holding a hyperbolic honeycomb, touching the twists of a torus knot, or caressing the curves of a Klein quartic.

Bridging Research and Good Practices towards Patients Welfare

Журнал адресован специалистам аналитических отделов банков, компаний, федеральных, региональных и муниципальных органов власти, маркетологам и менеджерам различного уровня, а также научным работникам, аспирантам и студентам, специализирующимся в области эконометрики и прикладной статистики. В 2006 году журнал «Прикладная эконометрика» включен в список периодических изданий ВАК, рекомендованных для публикации результатов диссертационных исследований.Материалы, помещаемые в журнале, посвящены эмпирическому анализу конкретных российских социально-экономических и финансовых процессов и систем, проблемам образования и консультациям в области эконометрических методов и их практического применения. Они, в частности, нацелены на теоретико-методологическую и практическую поддержку читателя в диапазоне: • принятия оптимальных управленческих решений на уровне фирм, предприятий, банков, федеральных и региональных органов власти; • выбора оптимальных решений игры на финансовых и фондовых рынках; • эффективного применения эконометрических методов в маркетинге, анализа и прогноза потребительского спроса; • прогнозирования в бизнесе и в задачах социально-экономического развития региона, страны в целом; • использования современных пакетов программ по эконометрике и прикладной статистике; • содержания и методологии преподавания эконометрики и прикладной статистики в высшей школе.Журнал является первым и единственным периодическим изданием в данной области, дополняющим такие известные зарубежные журналы, как Journal of Applied Econometrics, Econometrica, Journal of Econometrics, Econometrics Reviews и др.Журнал выходит 4 раза в год.Журнал включен в международную базу данных RePEc.

Cambridge International AS and A Level Mathematics: Pure Mathematics 2 and 3 Revised Edition Coursebook

This volume contains proceedings of the Case Study Track, held at the 4th International Conference, ABZ 2014, in Toulouse, France, in June 2014. The 11 papers presented were carefully reviewed and selected from numerous submissions. They use different formal techniques: B, ASM, Fiacre. They also propose different kinds of verification such as proof, model checking, test generation, run-time monitoring, and simulation.

Graph-Theoretic Concepts in Computer Science

10 YEAR-WISE CTET Paper 2 (Mathematics & Science) Solved Papers (2011 - 2018) - English Edition

This book constitutes the refereed proceedings of the 6th International Conference, ICISP 2014, held in June/July 2014 in Cherbourg, France. The 76 revised full papers were carefully reviewed and selected from 164 submissions. The contributions are organized in topical sections on multispectral colour science, color imaging and applications, digital cultural heritage, document image analysis, graph-based representations, image filtering and representation, computer vision and pattern recognition, computer graphics, biomedical, and signal processing.

Software, Services, and Systems

In this book, nationally renowned scholars join classroom teachers to share equity-oriented approaches that have been successful with urban high school mathematics students. Compiling for the first time major research findings and practitioner experiences from Railside High School, the volume describes the evolution of a fundamentally different conception of learners and teaching. The chapters bring together research and reflection on teacher collaboration and professional community, student outcomes and mathematics classroom culture, reform curricula and pedagogy, and ongoing teacher development. Mathematics for Equity will be invaluable reading for teachers, schools, and districts interested in maintaining a focus on equity and improving student learning while making sense of the new demands of the Common Core State Standards. Book Features: Core principles of an equity-centered mathematics program. Examples of how to focus and organize the collaborative work of a math department to develop a shared pedagogy. Student experiences with an equity pedagogy that focuses on building perseverance, flexibility in thinking, and deep conceptual understanding. Connections between reconceptualizing learners and teaching, and achieving deep mathematics learning and equitable outcomes. Contributors include: Jo Boaler, Ilana Seidel Horn, Judith Warren Little, and Rachel Lotan. "Mathematics for Equity provides a kaleidoscopic view, in the voices of teachers, researchers, and students themselves, of one of the nation's most ambitious and successful attempts at teaching mathematics for equity. It shows what it takes to

create a climate that supports students and teachers in engaging in meaningful mathematical activity—and, alas, how vulnerable such environments are to the wrong kinds of 'accountability.' Read it and learn." —Alan H. Schoenfeld, University of California at Berkeley "Want to fix what's wrong with mathematics instruction in your school? Read this book with your colleagues and do what it inspires you to do. Written by the brave teachers and former students who did it, as well as researchers." —Phil Daro, writing team, Common Core Standards, Strategic Education Research Partnership

Winds of Change

This book constitutes the thoroughly refereed proceedings of the 4th International Conference on Abstract State Machines, B, TLA, VDM and Z, which took place in Toulouse, France, in June 2014. The 13 full papers presented together with 3 invited talks and 19 short papers were carefully reviewed and selected from 81 submissions. The ABZ conference series is dedicated to the cross-fertilization of six related state-based and machine-based formal methods: Abstract State Machines (ASM), Alloy, B, TLA, VDM and Z. They share a common conceptual foundation and are widely used in both academia and industry for the design and analysis of hardware and software systems. The main goal of this conference series is to contribute to the integration of these formal methods, clarifying their commonalities and differences to better understand how to combine different approaches for accomplishing the various tasks in modeling, experimental validation and mathematical verification of reliable high-quality hardware/software systems.

Agent and Multi-Agent Systems: Technologies and Applications

Bulletin of Electrical Engineering and Informatics (Buletin Teknik Elektro dan Informatika) ISSN: 2089-3191, e-ISSN: 2302-9285 is open to submission from scholars and experts in the wide areas of electrical, electronics, instrumentation, control, telecommunication and computer engineering from the global world. The journal publishes original papers in the field of electrical, electronics, instrumentation & control, telecommunication, computer and informatics engineering. Vol 3, No 2 June 2014 Table of Contents Predictions on the Development Dimensions of Provincial Tourism Discipline Based on the Artificial Neural Network BP Model PDF Yang Yang, Jun Hu, Mu Zhang 69-76 Study on the Rough-set-based Clustering Algorithm for Sensor Networks PDF Fengmei Liang, Liyuan Zhang, Peng Sun 77-90 Varying Vector Pulse Width Modulation for Three Phase Inverter PDF Raju J, Kowsalya M 91-100 Optimal Determination of Size and Site of DGs in Mesh System Using PSO PDF Mohammad Salehi Male, Adel Akbari Majd, Ramtin Rasouli Nezhad 101-108 Voltage Sag Mitigation and Load Reactive Power Compensation by UPQC PDF P. Ajitha, D. Jananisri 109-112 A Power Quality Improvement for Microgrid Inverter Operated In Grid Connected and Grid Disconnected Modes PDF M. Tamil Selvi, D.G unapriya 113-118 Harmonic Reduction in Variable Frequency Drives Using Active Power Filter PDF M. Tamilvani, K. Nithya, M. Srinivasan, S.U Prabha 119-126 Sampled Reference Frame Algorithm Based on Space Vector Pulse Width Modulation for Five Level Cascaded H-

Bridge Inverter PDF Gomathi C, Navya Nagath, Veerakumar S 127-140 Subthreshold Dual Mode Logic PDF J.Nageswara Reddy, T. Sathyanarayana, M.A. Khadar Baba 141-148

Modeling and Computation in Engineering III

The 6th International Conference on Computational and Information Sciences (ICCIS2014) will be held in NanChong, China. The 6th International Conference on Computational and Information Sciences (ICCIS2014)aims at bringing researchers in the areas of computational and information sciences to exchange new ideas and to explore new ground. The goal of the conference is to push the application of modern computing technologies to science, engineering, and information technologies.Following the success of ICCIS2004,ICCIS2010 and ICCIS2011,ICCIS2012,ICCIS2013,ICCIS2014 conference will consist of invited keynote presentations and contributed presentations of latest developments in computational and information sciences. The 2014 International Conference on Computational and Information Sciences (ICCIS 2014), now in its sixth run, has become one of the premier conferences in this dynamic and exciting field. The goal of ICCIS is to catalyze the communications among various communities in computational and information sciences. ICCIS provides a venue for the participants to share their recent research and development, to seek for collaboration resources and opportunities, and to build professional networks.

Neutrosophic Sets and Systems, Vol. VI

This volume is a collection of seven papers, written by different authors and co-authors (listed in the order of the papers): A. A. Salama, F. Smarandache, Valeri Kroumov, A. A. A. Agboola, S. A. Akinleye, M. Ali, M. Shabir, M. Naz, I. Deli, Y. Toktas, S. Broumi, Z. Zhang, C. Wu, S. A. Alblowi, C. Dyer. In first paper, the authors proposed Neutrosophic Closed Set and Neutrosophic Continuous Function. Neutrosophic Vector spaces are proposed in the second paper. Neutrosophic Bi-LA-Semigroup and Neutrosophic N-LA-Semigroup is studied in third paper. In fourth paper Neutrosophic Parameterized Soft Relations and Their Applications are introduced. Similarly in fifth paper A novel method for single valued neutrosophic multi-criteria decision making with incomplete weight information are discussed. In paper six, New Neutrosophic Crisp Topological Concept is presented by the authors. Soft Neutrosophic Loops and Their Generalization is given in seventh paper.

Finite Volumes for Complex Applications VII-Elliptic, Parabolic and Hyperbolic Problems

This book constitutes the refereed proceedings of the 10th Conference on Computability in Europe, CiE 2014, held in Budapest, Hungary, in June 2014. The 42 revised papers presented were carefully reviewed and selected from 78 submissions and included together with 15 invited papers in this proceedings. The conference had six special sessions:

computational linguistics, bio-inspired computation, history and philosophy of computing, computability theory, online algorithms and complexity in automata theory.

International Conference on Mathematical Sciences and Statistics 2013

CTET Practice Workbook (10 Solved + 10 Mock papers) Paper 1 (Class 1 to 5), English edition contains 10 challenging Mock Papers and Past 10 Solved Papers of the CTET exam. The Mock Tests follows the exact pattern as per the latest CTET paper. The book also contains the solution to the past CTET papers of June 2011, Jan & Nov 2012, July 2013, Feb & Sep 2014, Feb & Sep 2015 and Feb & Sep 2016 Papers. The languages covered in the tests are English (1st language) and Hindi (2nd language). Each Practice Set in the book contains sections on Child Development & Pedagogy, English, Hindi, EVS and Maths. The question papers have been set very diligently so as to give a real-feel of the actual TET. The book is also useful for other State TETs - UPTET, Rajasthan TET, Haryana TET, Bihar TET, Uttarakhand TET etc.

CTET Practice Workbook Paper 1 (10 Solved + 10 Mock papers) Class 1 - 5 Teachers 5th Edition

This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Pure Mathematics 2 & 3 matches the corresponding units of the syllabus. It clearly indicates materials required for P3 study only, and contains materials on topics such as logarithmic and exponential functions, trigonometry, differentiation, integration, numerical solutions of equations, vectors and complex numbers. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book.

Advances in Image and Graphics Technologies

This volume constitutes the thoroughly refereed post-conference proceedings of the 8th International Conference on Mathematical Methods for Curves and Surfaces, MMCS 2012, held in Oslo, Norway, in June/July 2012. The 28 revised full papers presented were carefully reviewed and selected from 135 submissions. The topics range from mathematical analysis of various methods to practical implementation on modern graphics processing units. The papers reflect the newest developments in these fields and also point to the latest literature.

CTET Practice Workbook Paper 2 – Science & Mathematics (10 Solved + 10 Mock papers) Class 6 - 8 Teachers 5th Edition

CTET Practice Workbook Paper 2 – Science/ Maths (10 Solved + 10 Mock papers), English Edition, contains 10 challenging Mock Papers along with 10 Past Solved Papers. The Mock Tests follows the exact pattern as per the latest CTET paper. The book also contains the solution to the past CTET papers of June 2011, Jan & Nov 2012, July 2013, Feb & Sep 2014, Feb & Sep 2015 and Feb & Sep 2016 Papers. The languages covered in the tests are English (1st language) and Hindi (2nd language). Each Practice Set in the book contains sections on Child Development & Pedagogy, English, Hindi, Mathematics and Science. The question papers have been set very diligently so as to give a real-feel of the actual TET. The book is also useful for other State TETs - UPTET, Rajasthan TET, Haryana TET, Bihar TET, Uttarakhand TET etc.

ABZ 2014: The Landing Gear Case Study

Cambridge International AS and A Level Mathematics: Pure Mathematics 2 & 3 Coursebook

This book constitutes the refereed proceedings of the 12th International Conference on Formal Concept Analysis, ICFCA 2014, held in Cluj-Napoca, Romania, in June 2014. The 16 regular papers presented together with 3 invited talks were carefully reviewed and selected from 39 submissions. The papers in this volume cover a rich range of FCA aspects, such as theory, enhanced FCA. Knowledge discovery and knowledge spaces, as well as methods and applications. In addition the book contains a reprint of the first publication "Sub direct decomposition of concept lattices" by Rudolf Wille.

Mathematical Combinatorics, vol. II, 2014

This book constitutes the referred proceedings of the 8th China Conference on Image and Graphics Technologies and Applications, IGTA 2014, held in Beijing, China, in June 2014. The 39 papers presented were carefully reviewed and selected from 110 submissions. They cover various aspects of research in image processing and graphics and related topics, including object detection, pattern recognition, object tracking, classification, image segmentation, reconstruction, etc.

Computer Science - Theory and Applications

The 24th European Symposium on Computer Aided Process Engineering creates an international forum where scientific and industrial contributions of computer-aided techniques are presented with applications in process modeling and simulation,

process synthesis and design, operation, and process optimization. The organizers have broadened the boundaries of Process Systems Engineering by inviting contributions at different scales of modeling and demonstrating vertical and horizontal integration. Contributions range from applications at the molecular level to the strategic level of the supply chain and sustainable development. They cover major classical themes, at the same time exploring a new range of applications that address the production of renewable forms of energy, environmental footprints and sustainable use of resources and water.

Прикладная эконометрика No1 (33) 2014

This volume is a collection of ten papers and a review of a book, written by different authors and co-authors (listed in the order of the papers): F. Yuhua, P. K. Maji, A. A. Salama, H. Elghawalby, A. Mukherjee, M. Datta, F. Smarandache,K. Mondal, S. Pramanik, M. Ali, L. Vladareanu, M. Shabir, S. Broumi, S. Ye, J. Ye, S. Sarkar, D. Gifu and M. Teodorescu. In first paper, the author proposed Pauli Exclusion Principle and the Law of Included Multiple-Middle. Weighted Neutrosophic Soft Sets are proposed in the second paper. Neutrosophic Crisp Sets and Neutrosophic Crisp Relations are studied in third paper. In fourth paper, Interval Valued Neutrosophic Soft Topological Spaces are introduced. Similarly in fifth paper, Multi-criteria Group Decision Making Approach for Teacher Recruitment in Higher Education Under Simplified Neutrosophic Environment is discussed. In paper six, Generalization of Soft Neutrosophic Rings and Soft Neutrosophic Fields are presented by the authors. Neutrosophic Refined Similarity Measure Based on Cosine Function is given in seventh paper. Paper eight is about to study Similarity Measure between Single Valued Neutrosophic Multisets and Its Application in Medial Diagnosis. In the next paper Several Similarity Measures of Interval Valued Neutrosophic Soft Sets and Their Application in Pattern Recognition Problems are discussed. The authors introduced Soft Neutrosophic Groupoids and Their Generalization in the tenth paper. At the end a book review, Neutosophic routes in multiverse of communication is presented by the authors.

Advanced Information Systems Engineering Workshops

Papers on Ruled Surfaces in Minkowski 3-Space, Enumeration of k-Fibonacci Paths Using Infinite Weighted Automata, The Natural Lift Curves and Geodesic Curvatures of the Spherical Indicatrices of The Spacelike-Timelike Bertrand Curve Pair, Magic Properties of Special Class of Trees, and other topics. Contributors: V. Ramachandran, C. Sekar, Rodrigo De Castro, Jose L. Ramirez, Nagesh.H.M, R. Chandrasekhar, A. Vijayalekshmi, S. Suganthi, V. Swaminathan, Arunesh Pandey, V.K. Chaubey, T.N. Pandey, and others.

Higher-Order Time Asymptotics of Fast Diffusion in Euclidean Space: A Dynamical Systems Approach

Under pressure and support from the federal government, states have increasingly turned to indicators based on student test scores to evaluate teachers and schools, as well as students themselves. The focus thus far has been on test scores in those subject areas where there is a sequence of consecutive tests, such as in mathematics or English/language arts with a focus on grades 4-8. Teachers in these subject areas, however, constitute less than thirty percent of the teacher workforce in a district. Comparatively little has been written about the measurement of achievement in the other grades and subjects. This volume seeks to remedy this imbalance by focusing on the assessment of student achievement in a broad range of grade levels and subject areas, with particular attention to their use in the evaluation of teachers and schools in all. It addresses traditional end-of-course tests, as well as alternative measures such as portfolios, exhibitions, and student learning objectives. In each case, issues related to design and development, psychometric considerations, and validity challenges are covered from both a generic and a content-specific perspective. The NCME Applications of Educational Measurement and Assessment series includes edited volumes designed to inform research-based applications of educational measurement and assessment. Edited by leading experts, these books are comprehensive and practical resources on the latest developments in the field. The NCME series editorial board is comprised of Michael J. Kolen, Chair; Robert L. Brennan; Wayne Camara; Edward H. Haertel; Suzanne Lane; and Rebecca Zwick.

Bulletin of Electrical Engineering and Informatics

This volume is devoted to the most recent discoveries in mathematics and statistics. It also serves as a platform for knowledge and information exchange between experts from industrial and academic sectors. The book covers a wide range of topics, including mathematical analyses, probability, statistics, algebra, geometry, mathematical physics, wave propagation, stochastic processes, ordinary and partial differential equations, boundary value problems, linear operators, cybernetics and number and functional theory. It is a valuable resource for pure and applied mathematicians, statisticians, engineers and scientists.

Image and Signal Processing

The methods considered in the 7th conference on "Finite Volumes for Complex Applications" (Berlin, June 2014) have properties which offer distinct advantages for a number of applications. The second volume of the proceedings covers reviewed contributions reporting successful applications in the fields of fluid dynamics, magnetohydrodynamics, structural analysis, nuclear physics, semiconductor theory and other topics. The finite volume method in its various forms is a space discretization technique for partial differential equations based on the fundamental physical principle of conservation. Recent decades have brought significant success in the theoretical understanding of the method. Many finite volume methods preserve further qualitative or asymptotic properties, including maximum principles, dissipativity, monotone decay

of free energy, and asymptotic stability. Due to these properties, finite volume methods belong to the wider class of compatible discretization methods, which preserve qualitative properties of continuous problems at the discrete level. This structural approach to the discretization of partial differential equations becomes particularly important for multiphysics and multiscale applications. Researchers, PhD and masters level students in numerical analysis, scientific computing and related fields such as partial differential equations will find this volume useful, as will engineers working in numerical modeling and simulations.

Mathematical Cultures

This volume is a collection of ten papers, written by different authors and co-authors (listed in the order of the papers): F. Yuhua, A. A. Salama, F. Smarandache, S. A. Alblowi, M. Ali, M. Shabir, M. Naz, A. A. A. Agboola, S. A. Akinleye, M. Dhar, S. Broumi, P. Biswas, S. Pramanik, B. C. Giri, H. A. El-Ghareeb, A. M. Maine, V. Kandasamy, P. Sekar and J. Vidhyalakshmi. In first paper, the author proposed Expanding Newton Mechanics with Neutrosophy and Quad-stage Method-New Newton Mechanics Taking Law of Conservation of Energy as Unique Source Law. The Characteristic Function of a Neutrosophic Set is proposed in the second paper. Neutrosophic Left Almost Semigroup is studied in third paper. In fourth paper Neutrosophic Hypercompositional Structures defined by Binary Relations are introduced. Similarly in fifth paper A Note on Square Neutrosophic Fuzzy Matrices are discussed. In paper six A New Methodology for Neutrosophic Multi-Attribute Decision-Making with Unknown Weight Information is presented by the authors. Introduction to Develop Some Software Programs for dealing with Neutrosophic Sets is given in seventh paper. Paper eight is about to Soft Neutrosophic Ring and Soft Neutrosophic Field. In the next paper Rough Neutrosophic Sets are discussed. The authors introduced new type of Fuzzy Relational Equations and Neutrosophic Relational Equations-To Analyze Customer Preference to street shops in the last paper.

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