International Journal Of Mathematics And Computer Applications Research Ijmcar

The International Journal of Orthodontia and Oral SurgeryDynamic SymmetryApplications of Mathematics in Models, Artificial Neural Networks and ArtsScientia Magna Vol. 6, No. 1, 2010International Journal of Evaluation and Research in EducationInternational Journal of EthicsInternational Approaches to Professional Development for Mathematics TeachersInternational Journal of Mathematics and ApplicationsInternational Journal of Management and Transformation: Vol.5, No.2Eudemus; an International Journal Devoted to the History of Mathematics and AstronomyCompendium for Early Career Researchers in Mathematics EducationComputer Aided Assessment of MathematicsSCIENTIA MAGNA: An international journal, Vol. 13, No. 1, 2018International Journal of Mathematical Modeling, Simulation and ApplicationsFulltext Sources OnlineInternational Journal of Mathematics and Mathematical SciencesInternational Journal of Applied MathematicsCharacter Theory of Finite GroupsResearch Trends in Mathematics Teacher EducationInternational Journal of Mathematical Combinatorics, vol. 4/2019Expertise in Mathematics InstructionIssues in Logic, Operations, and Computational Mathematics and Geometry: 2011 EditionInternational Journal of Neutrosophic Science (IJNS) Volume 6, 2020International Journal of

Development Research and Quantitative Techniques: Vol. 2, No. 1International Handbook of Research in History, Philosophy and Science TeachingHandbook on the History of Mathematics EducationInternational Journal of MathematicsNational Reflections on the Netherlands Didactics of MathematicsInternational Journal of Mainstream Social Science: Vol.1, No.1The Teacher Development Continuum in the United States and ChinaNeutrosophic Sets and Systems, Vol. IVKey Ideas in Teaching MathematicsInternational Journal of Mathematics and AnalysisINTERNATIONAL JOURNAL OF MULTIDISCIPLINARY PERSPECTIVES IN HIGHER EDUCATIONInternational Journal of Mathematics and Computing ApplicationsDeleuze and the History of MathematicsFor the Learning of MathematicsBusiness Intelligence in Economic Forecasting: Technologies and TechniquesInternational Journal of Mathematics, Game Theory, and AlgebraMathematical Finance

The International Journal of Orthodontia and Oral Surgery

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/.

Dynamic Symmetry

Applications of Mathematics in Models, Artificial Neural Networks and Arts

Scientia Magna Vol. 6, No. 1, 2010

International Journal of Evaluation and Research in Education

This open access book, inspired by the ICME 13 Thematic Afternoon on "European Didactic Traditions", consists of 17 chapters, in which educators from the Netherlands reflect on the teaching and learning of mathematics in their country

and the role of the Dutch domain-specific instruction theory of Realistic Mathematics Education. Written by mathematics teachers, mathematics teacher educators, school advisors, and developers and researchers in the field of instructional material, textbooks, and examinations, the book offers a multitude of perspectives on important issues in Dutch mathematics education, both at primary and secondary school levels. Topics addressed include the theoretical underpinnings of the Dutch approach, the subject of mathematics in the Dutch educational system, teacher education and testing, the history of mathematics education and the use of history in teaching of mathematics, changes over time in subject matter domains and in the use of technology, and the process of innovation and how the Dutch and in particular one Dutch institute have worked on the reform.

International Journal of Ethics

Scientia Magna is a peer-reviewed, open access journal that publishes original research articles in all areas of mathematics and mathematical sciences. However, papers related to Smarandache's problems will be highly preferred.

International Approaches to Professional Development for Mathematics Teachers

International Journal of Mathematics and Applications

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International Journal of Management and Transformation: Vol.5, No.2

Accumulated research findings in past decades have led to the common knowledge that teachers' professional knowledge is essential to effective classroom instruction. However, there is still very limited understanding about the nature of teachers' expertise in mathematics instruction. Expertise in Mathematics Instruction addresses this need clearly and concisely. In particular, it examines all aspects of emphases employed to characterize the nature of expertise in mathematics instruction from both researchers' and practitioners' perspectives. Moreover, with research contributions from both the East and the West, this book also examines ideas pertinent to fostering and demonstrating expertise in mathematics instruction within different system contexts. This book will raise questions and issues for mathematics education researchers to guide a critical examination of what can be learned from other education systems. Expertise in Mathematics Instruction builds on its theoretical and methodological approach with contributions from international experts in the field. Additionally, a review of related research from mathematics education serves as an introduction to the new research in both Eastern and Western settings. Concluding this resource is a reflection on the benefits of this international collaboration and possible research directions for the future. The final chapter cohesively joins traditional and current

research for action. Expertise in Mathematics Instruction is of interest to researchers in mathematics education, mathematics teacher educators, and mathematics educators.

Eudemus; an International Journal Devoted to the History of Mathematics and Astronomy

The purpose of this Open Access compendium, written by experienced researchers in mathematics education, is to serve as a resource for early career researchers in furthering their knowledge of the state of the field and disseminating their research through publishing. To accomplish this, the book is split into four sections: Empirical Methods, Important Mathematics Education Themes, Academic Writing and Academic Publishing, and a section Looking Ahead. The chapters are based on workshops that were presented in the Early Career Researcher Day at the 13th International Congress on Mathematical Education (ICME-13). The combination of presentations on methodological approaches and theoretical perspectives shaping the field in mathematics education research, as well as the strong emphasis on academic writing and publishing, offered strong insight into the theoretical and empirical bases of research in mathematics education for early career researchers in this field. Based on these presentations, the book provides a state-of-the-art overview of important theories from mathematics education and the broad variety of empirical approaches currently widely used in mathematics

education research. This compendium supports early career researchers in selecting adequate theoretical approaches and adopting the most appropriate methodological approaches for their own research. Furthermore, it helps early career researchers in mathematics education to avoid common pitfalls and problems while writing up their research and it provides them with an overview of the most important journals for research in mathematics education, helping them to select the right venue for publishing and disseminating their work.

Compendium for Early Career Researchers in Mathematics Education

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

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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 Aided Assessment of Mathematics

SCIENTIA MAGNA: An international journal, Vol. 13, No. 1, 2018

International Journal of Mathematical Modeling, Simulation and Applications

International Journal of Neutrosophic Science (IJNS) is a peer-review journal publishing high quality experimental and theoretical research in all areas of Neutrosophic and its Applications. IJNS is published quarterly. IJNS is devoted to the publication of peer-reviewed original research papers lying in the domain of neutrosophic sets and systems. Papers submitted for possible publication may concern with foundations, neutrosophic logic and mathematical structures in the neutrosophic setting. Besides providing emphasis on topics like artificial

intelligence, pattern recognition, image processing, robotics, decision making, data analysis, data mining, applications of neutrosophic mathematical theories contributing to economics, finance, management, industries, electronics, and communications are promoted.

Fulltext Sources Online

Schools everywhere are being confronted with evolving learning and teaching paradigms that call into question a number of traditional math teaching techniques. These changes demand serious reflection on how to support frontline educators in developing their teaching skills. Alternative approaches to professional development have been established worldwide that support teacher education and contribute to professional development that is informed by practice, created for practice and refined in practice. This volume provides a rich portrait of these emergent strategies in the professional development of math teachers, bridging the divide between theory and practice. Written by researchers around the world, the contributions examine innovative approaches to the professional development of math teachers in different countries. Many of these approaches take into account the practitioner's point of view and are fundamentally rooted in the context of the classroom.

International Journal of Mathematics and Mathematical Sciences

International Journal of Applied Mathematics

In 1999, Liping Ma published her book Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in the United States and China, which probed the kinds of knowledge that elementary school teachers need to convey mathematical concepts and procedures effectively to their students. Later that year, Roger Howe, a member of the U.S. National Commission on Mathematics Instruction (USNC/MI), reviewed the book for the Notices of the American Mathematical Society, concluding that it 'has lessons for all educational policymakers.' Intrigued by the idea of superrank teachers, the USNC/MI sponsored a workshop entitled 'The Teacher Development Continuum in the United States and China'. The purpose of the workshop was to examine the structure of the mathematics teaching profession in the United States and China. The main presentations and discussion from the workshop are summarized in this volume.

Character Theory of Finite Groups

Research Trends in Mathematics Teacher Education

Gilles Deleuze's engagements with mathematics, replete in his work, rely upon the construction of alternative lineages in the history of mathematics,

which challenge some of the self imposed limits that regulate the canonical concepts of the discipline. For Deleuze, these challenges are an opportunity to reconfigure particular philosophical problems - for example, the problem of individuation - and to develop new concepts in response to them. The highly original research presented in this book explores the mathematical construction of Deleuze's philosophy, as well as addressing the undervalued and often neglected question of the mathematical thinkers who influenced his work. In the wake of Alain Badiou's recent and seemingly devastating attack on the way the relation between mathematics and philosophy is configured in Deleuze's work, Simon Duffy offers a robust defence of the structure of Deleuze's philosophy and, in particular, the adequacy of the mathematical problems used in its construction. By reconciling Badiou and Deleuze's seeming incompatible engagements with mathematics, Duffy succeeds in presenting a solid foundation for Deleuze's philosophy, rebuffing the recent challenges against it.

International Journal of Mathematical Combinatorics, vol. 4/2019

Expertise in Mathematics Instruction

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

Research on the preparation and continued development of mathematics teachers is becoming an increasingly important subset of mathematics education research. Such research explores the attributes, knowledge, skills and beliefs of mathematics teachers as well as methods for assessing and developing these critical aspects of teachers and influences on teaching. Research Trends in Mathematics Teacher Education focuses on three major themes in current mathematics teacher education research: mathematical knowledge for teaching, teacher beliefs and identities, and tools and techniques to support teacher learning. Through careful reports of individual research studies and cross-study syntheses of the state of research in these areas, the book provides insights into teachers' learning processes and how these processes can be harnessed to develop effective teachers. Chapters investigate bedrock skills needed for working with primary and secondary learners (writing relevant problems, planning lessons, being attentive to student learning) and illustrate how knowledge can be accessed, assessed, and nurtured over the course of a teaching career. Commentaries provide context for current research while identifying areas deserving future study. Included among the topics: Teachers' curricular knowledge Teachers' personal and classroom mathematics Teachers' learning journeys toward reasoning and sense-making Teachers' transitions in noticing Teachers' uses of a learning trajectory as a tool for mathematics lesson planning A unique and timely set of perspectives on the professional development of mathematics teachers at

all stages of their careers, Research Trends in Mathematics Teacher Education brings clarity and practical advice to researchers as well as practitioners in this increasingly critical arena.

International Journal of Neutrosophic Science (IJNS) Volume 6, 2020

International Journal of Development Research and Quantitative Techniques: Vol. 2, No. 1

This inaugural handbook documents the distinctive research field that utilizes history and philosophy in investigation of theoretical, curricular and pedagogical issues in the teaching of science and mathematics. It is contributed to by 130 researchers from 30 countries; it provides a logically structured, fully referenced guide to the ways in which science and mathematics education is, informed by the history and philosophy of these disciplines, as well as by the philosophy of education more generally. The first handbook to cover the field, it lays down a much-needed marker of progress to date and provides a platform for informed and coherent future analysis and research of the subject. The publication comes at a time of heightened worldwide concern over the standard of science and mathematics education, attended by fierce debate over how best to reform curricula and enliven student engagement in the subjects. There is a growing recognition among educators and policy makers that the learning of

science must dovetail with learning about science; this handbook is uniquely positioned as a locus for the discussion. The handbook features sections on pedagogical, theoretical, national, and biographical research, setting the literature of each tradition in its historical context. It reminds readers at a crucial juncture that there has been a long and rich tradition of historical and philosophical engagements with science and mathematics teaching, and that lessons can be learnt from these engagements for the resolution of current theoretical, curricular and pedagogical questions that face teachers and administrators. Science educators will be grateful for this unique, encyclopaedic handbook, Gerald Holton, Physics Department, Harvard University This handbook gathers the fruits of over thirty years' research by a growing international and cosmopolitan community Fabio Bevilacqua, Physics Department, University of Pavia

International Handbook of Research in History, Philosophy and Science Teaching

Handbook on the History of Mathematics Education

Relationship Domain of Form Six Teachers Thinking in Teaching with External Factors of Form Six Teachers Mokhtar bin Pet, Ahmad Johari Hj Sihes 1-7 Primary Science Teaching to Bicolano Students: In Bicol, English or Filipino? Jualim Datiles Vela 8-15 Socio-

Economic Background and Access to Internet as Correlates of Students Achievement in Agricultural Science Sunday Paul Adegoke, Modupe M. Osokoya 16-21 Students' Satisfaction Toward The Services of The Chemical Laboratory Astin Lukum, Yoseph Paramata 22-29 The Effectiveness of Facebook Group Discussions on Writing Performance: A Study in Matriculation College Ng Sau Ping, Mahendran Maniam 30-37 Correlation between Teacher's PCK (Pedagogical Content Knowledge) and Student's Motivation in Primary School Ika Maryani, Sri Tutur Martaningsih 38-44

International Journal of Mathematics

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.

National Reflections on the Netherlands Didactics of Mathematics

International Journal of Mainstream Social Science: Vol.1, No.1

This is the first comprehensive International Handbook on the History of Mathematics Education, covering a wide spectrum of epochs and civilizations, countries and cultures. Until now, much of the research into the rich and varied history of mathematics education has remained inaccessible to the vast majority of scholars, not least because it has been written in the language, and for readers, of an individual country. And yet a historical overview, however brief, has become an indispensable element of nearly every dissertation and scholarly article. This handbook provides, for the first time, a comprehensive and systematic aid for researchers around the world in finding the information they need about historical developments in mathematics education, not only in their own countries, but globally as well. Although written primarily for mathematics educators, this handbook will also be of interest to researchers of the history of education in general, as well as specialists in cultural and even social history.

The Teacher Development Continuum in the United States and China

The mathematical combinatorics is a subject that applying combinatorial notion to all mathematics and all sciences for understanding the reality of things in the universe, motivated by CC Conjecture of Dr.Linfan MAO on mathematical sciences. The International J.Mathematical Combinatorics (ISSN 1937-1055) is a fully refereed international journal, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Neutrosophic Sets and Systems, Vol. IV

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.

Key Ideas in Teaching Mathematics

International Journal of Mathematics and Analysis

Character theory is a powerful tool for understanding finite groups. In particular, the theory has been a key ingredient in the classification of finite simple groups. Characters are also of interest in their own right, and their properties are closely related to properties of the structure of the underlying group. The book begins by developing the module theory of complex group algebras. After the module-theoretic foundations are laid in the first chapter, the focus is primarily on characters. This enhances the accessibility of the material for students, which was a major consideration in the writing. Also with students in mind, a large number of problems are included, many of them quite challenging. In addition to the development of the basic theory (using a cleaner notation than previously), a number of more specialized topics are covered with accessible presentations. These include projective representations, the basics of the Schur index, irreducible character degrees and group structure,

complex linear groups, exceptional characters, and a fairly extensive introduction to blocks and Brauer characters. This is a corrected reprint of the original 1976 version, later reprinted by Dover. Since 1976 it has become the standard reference for character theory, appearing in the bibliography of almost every research paper in the subject. It is largely self-contained, requiring of the reader only the most basic facts of linear algebra, group theory, Galois theory and ring and module theory.

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY PERSPECTIVES IN HIGHER EDUCATION

International Journal of Mathematics and Computing Applications

Papers on Smarandache¿s codification used in computer programming, smarandacheials, totient and congruence functions, sequences, irrational constants in number theory, multi-space and geometries.

Deleuze and the History of Mathematics

The book shows a very original organization addressing in a non traditional way, but with a systematic approach, to who has an interest in using mathematics in the social sciences. The book is divided in four parts: (a) a historical part, written by Vittorio Capecchi which helps us understand the changes in the relationship between mathematics and

sociology by analyzing the mathematical models of Paul F. Lazarsfeld, the model of simulation and artificial societies, models of artificial neural network and considering all the changes in scientific paradigms considered; (b) a part coordinated by Pier Luigi Contucci on mathematical models that consider the relationship between the mathematical models that come from physics and linguistics to arrive at the study of society and those which are born within sociology and economics; (c) a part coordinated by Massimo Buscema analyzing models of artificial neural networks; (d) a part coordinated by Bruno D'Amore which considers the relationship between mathematics and art. The title of the book "Mathematics and Society" was chosen because the mathematical applications exposed in the book allow you to address two major issues: (a) the general theme of technological innovation and quality of life (among the essays are on display mathematical applications to the problems of combating pollution and crime, applications to mathematical problems of immigration, mathematical applications to the problems of medical diagnosis, etc.) (b) the general theme of technical innovation and creativity, for example the art and mathematics section which connects to the theme of creative cities. The book is very original because it is not addressed only to those who are passionate about mathematical applications in social science but also to those who, in different societies, are: (a) involved in technological innovation to improve the quality of life; (b) involved in the wider distribution of technological innovation in different areas of creativity (as in the project "Creative Cities Network" of UNESCO).

For the Learning of Mathematics

Business Intelligence in Economic Forecasting: Technologies and Techniques

With the rapid development of economic globalization and information technology, the field of economic forecasting continues its expeditious advancement, providing business and government with applicable technologies. This book discusses various business intelligence techniques including neural networks, support vector machine, genetic programming, clustering analysis, TEI@I, fuzzy systems, text mining, and many more. It serves as a valuable reference for professionals and researchers interested in BI technologies and their practical applications in economic forecasting, as well as policy makers in business organizations and governments.

International Journal of Mathematics, Game Theory, and Algebra

Mathematical Finance

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