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B Sriraman - Journal of Secondary Gifted Education, 2003 - questia.com
Complex mathematical tasks such as problem solving are an ideal way to provide students opportunities to develop higher order mathematical processes such as representation, abstraction, and generalization. In this study, 9 freshmen ...

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[Mathematics Education as a design science](#)

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R Lesh, B Sriraman - ZDM, 2005 - Springer

Abstract: We propose re-conceptualizing the field of mathematics education research as that of a design science akin to engineering and other emerging interdisciplinary fields which involve the interaction of "subjects", ...

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[A global survey of international perspectives on modelling in mathematics education](#)

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G Kaiser, B Sriraman - Zentralblatt für Didaktik der Mathematik, 2006 - Springer

Abstract: In this article we survey the current debate on modelling and describe different perspectives on this debate. We relate these perspectives with earlier perspectives and show similarities and differences between these different ...

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[Theories of Mathematics Education: A global survey of theoretical frameworks/trends in ...](#)

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B Sriraman, L English - Zentralblatt für Didaktik der Mathematik, 2005 - Springer

Abstract: In this article we survey the history of research on theories in mathematics education. We also briefly examine the origins of this line of inquiry, the contribution of Hans- Georg Steiner, the activities of various ...

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[Reflective abstraction, unframes and the formulation of generalizations](#)

B Sriraman - Journal of Mathematical Behavior, 2004 - Elsevier

In mathematics, generalizations are the end result of an inductive zigzag path of trial and error, that begin with the construction of examples, within which plausible patterns are detected and lead to the formulation of theorems. ...

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[The characteristics of mathematical creativity](#)

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B Sriraman - ZDM, 2009 - Springer

Abstract Mathematical creativity ensures the growth of mathematics as a whole. However the source of this growth, the creativity of the mathematician is a relatively unexplored area in mathematics and mathematics education. In ...

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B Sriraman - Journal for the Education of the Gifted, 2004

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[Combinatorial Mathematics: Research into Practice.](#)

B Sriraman, LD English - Mathematics Teacher, 2004 - eric.ed.gov

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B Sriraman - Proceedings of the topic study group, 2004 - icme-organisers.dk

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[CITATION] Mathematics and literature: Synonyms, antonyms or the perfect amalgam?

B Sriraman - AUSTRALIAN MATHEMATICS TEACHER, 2003 - AUSTRALIAN ASSOCIATION OF MATHEMATIC

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B **Sriraman**, B Dhal - The International Handbook of Giftedness. Springer ... - umt.edu

Page 1. - 1 - Pre-print of Chapter to appear in LV Shavinina (Ed). The International Handbook of Giftedness. Springer Science On Bringing Interdisciplinary Ideas to Gifted Education Bharath Sriraman, The University of Montana, USA ...

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[Consciousness and Science: an Advaita-Vedantic Perspective on the Theology–Science](#)

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B Sriraman, W Benesch - Theology and Science, 2005 - informaworld.com

Abstract In modern science, the synthesis of “nature/mind” in observation, experiment, and explanation, especially in physics and biology increasingly reveal a “non-linear” totality in which subject, ...

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[CITATION] Political Union

B Sriraman, G Törner - Mathematics Education Disunion: Building Bridges in ..., 2007

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L Moreno, B Sriraman - Zentralblatt für Didaktik der Mathematik, 2005

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[Discovering Steiner Triple Systems through Problem Solving.](#)

B Sriraman - Mathematics Teacher, 2004 - eric.ed.gov

An attempt to implement problem solving as a teacher of ninth grade algebra is described. The problems selected were not general ones, they involved combinations and represented various situations and were more complex which ...

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[Towards a didactical theory for mathematical modelling](#)

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G Kaiser, M Blomhoj, B Sriraman - Zentralblatt für Didaktik der Mathematik, 2006 - Springer

Mathematics education research has been somewhat short of its own paradigmatic theories (see ZDM, 2005, issue 6 and ZDM 2006, issue 1 for an ongoing discussion). Theories are often borrowed from the background sciences and ...

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B Sriraman - Interchange, 2006 - Springer

ABSTRACT: This paper explores the wide range of mathematics content and processes that arise in the secondary classroom via the use of unusual counting problems. A universal pedagogical goal of mathematics teachers is to convey ...

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B Sriraman, R Lesh - Zentralblatt für Didaktik der Mathematik, 2006

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B Sriraman, H Adrian - Interchange: A Quarterly Review of Education, 2004

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[Mathematics and Literature \(the Sequel\): Imagination as a Pathway to Advanced ...](#)

B Sriraman - Australian Mathematics Teacher, 2004 - eric.ed.gov

This article is the sequel to the use of "Flatland" with beginning algebra students reported in Sriraman (2003). The use of "Flatland" with beginning algebra students resulted in the positive outcomes of cultivating critical ...

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[An empirical taxonomy of problem posing processes](#)

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C Christou, N Mousoulides, M Pittalis, D Pitta ... - ZDM, 2005 - Springer

Abstract: This article focuses on the construction, description and testing of a theoretical model of problem posing. We operationalize processes that are frequently described in problem solving and problem posing literature in ...

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[Demystifying the Mathematicians Craft: Chasing the Elusive or a Researchable Commodity?](#)

B Sriraman - Mathematical Thinking and Learning, 2005 - informaworld.com

Leone Burton. (2004), Mathematicians as Enquirers: Learning About Learning Mathematics. Kluwer Academic Publishers, Dodrecht. ISBN 1-4020-7859-5.xiv + 246 pp. ... Reviewed by Bharath Sriraman The University of Montana

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B Sriraman, P Strzelecki - Creativity, Giftedness, and Talent Development in ... - books.google.com
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LD English, B Sriraman - 2005 - eprints.qut.edu.au
English, Lyn D. and Sriraman, Bharath (2005) Theories of Mathematics Education. In Chick, Helen L. and Vincent, Jill L., Eds. Proceedings Proceedings of the 29th Conference of the International Group for the Psychology of ...

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[A Modeling Perspective on the Teaching and Learning of Mathematical Problem Solving](#)

NG Mousoulides, C Christou, B Sriraman - Mathematical Thinking and Learning, 2008 - informaworld.com
Mathematical Thinking and Learning, 10: 293–304, 2008 Copyright © Taylor & Francis Group, LLC ISSN 1098-6065 print / 1532-7833 online DOI: 10.1080/10986060802218132 ... HTML 1098-6065 1532-7833 ...

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[The influence of Platonism on mathematics research and theological beliefs](#)

B Sriraman - Theology and Science, 2004 - informaworld.com

Abstract An age-old debate in the philosophy of mathematics is whether mathematics is discovered or invented. There are four popular viewpoints in this debate, namely Platonism, formalism, intuitionism, and logicism. A ...

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[PDF] ► [Exploring young children's geometrical strategies](#)

A Gagatsis, B Sriraman, I Elia, M Modestou - Nordic Studies in Mathematics Education, 2006 - math.umt.edu

This study explores young children's strategies while transforming polygons, through the use of geometrical models. Data were collected from 291 children ranging from 4 to 8 years of age in Cyprus. Children were asked to draw a ...

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B Sriraman - Proceedings of the 4 th European Congress of ..., 2005 - cerme4.crm.es

The notion of modeling occurs abundantly in mathematics education literature, primarily in the context of studies documenting modeling behaviors of students and teachers. However there is a lack of studies related to epistemological ...

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CHAPTER 14 ICELAND AND RURAL/URBAN GIRLS-PISA 2003 EXAMINED FROM AN EMANCIPATORY VIEWPOINT Olof Bjorg Steinthorsdottir University of North Carolina-Chapel Hill, USA iharath Sriraman The University of Montana, USA ABSTRACT Scholarly ...

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B Sriraman - 2007 - books.google.com

Library of Congress Cataloging-in-Publication Date International perspectives on social justice in mathematics education/ edited by Bharath Sriraman, p. cm.—(The Montana mathematics enthusiast: monograph series in mathematics ...

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[Emancipatory and social justice perspectives in mathematics education](#)

B Sriraman, O Steinthorsdottir - Interchange, 2007 - Springer

Mathematics has historically served as the gatekeeper to numerous other areas of study. For instance the hard sciences, schools of engineering and business typically rely on the Calculus sequence as a way to filter out students ...

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[A contemporary analysis of the six "Theories of Mathematics Education" theses of Hans-](#)

...

G Törner, B Sriraman - ZDM, 2007 - Springer

Abstract In this contribution we discuss the six theses presented by Hans-Georg Steiner (1987), which were instrumental in the community becoming interested in theories and philosophies of mathematics education. We discuss overlooked ...

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[CITATION] Modeling conceptions revisited

B Sriraman, R Lesh - Zentralblatt für Didaktik der Mathematik, 2006

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B Sriraman - (2004). Beyond Knowledge: Extra Cognitive aspects of ..., 2005

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[CITATION] How do mathematically gifted students abstract and generalize mathematical concepts

B Sriraman - NAGC Research Briefs, 2002

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[CITATION] Modelling perspectives from around the world

B Sriraman, G Kaiser, M Blomhøj - Zentralblatt für Didaktik der Mathematik, 2006

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[A conversation with Zoltan P. Dienes](#)

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B Sriraman, R Lesh - Mathematical thinking and learning, 2007 - informaworld.com

The name of Zoltan P. Dienes (1916–) stands with those of Jean Piaget, Jerome Bruner, Edward Begle, and Robert Davis as a legendary figure whose work left a lasting impression on the field of mathematics education. Dienes' name is ...

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[The Use of Fiction as a Didactic Tool to Examine Existential Problems.](#)

B Sriraman, H Adrian - Journal of Secondary Gifted Education, 2004 - questia.com

It is very often the case that instruction in the regular classroom is not differentiated to meet the gifted student's capacity for higher level thinking (Marland, 1972; Sriraman, 2002; Westberg, Archambault, Dobyms, & Salvin, ...

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[PDF] ► [Event Driven Architecture Augmenting Service Oriented Architectures](#)

B Sriraman, LIT Architect, EIT Architect - Sun Microsystems. January, 2005 - opengroup.org

This paper attempts to highlight the significance and value proposition of leveraging the fundamental principles and concepts behind—Event Driven Architectures“(EDA)for —Service Driven Architectures“œ what is more ...

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[Theoretical and empirical differentiations of phases in the modelling process](#)

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RB Ferri - ZDM, 2006 - Springer

Abstract: The reconstruction of pupils modelling processes can be found in many empirical studies within the literature on modelling. The empirical

differentiations of the phases, which includes putting statements and ...

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[Trends in the evolution of models and modeling perspectives on mathematical learning and ...](#)

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R Lesh, L English - PME CONFERENCE, 2005 - Springer

Abstract: In this paper we briefly outline the models and modeling (M&M) perspective of mathematical thinking and learning relevant for the 21st century. Models and modeling (M&M) research often investigates the nature of ...

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B Sriraman - Proceedings of Topics Study Group - icme-organisers.dk

Abstract: It is a well-established fact that the curriculum at most public schools do not provide any explicit enrichment for gifted students in the mathematics classroom. In the United States, researchers in the curricular ...

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[\[DOC\] ► Social Justice and Mathematics Education: Issues, Dilemmas, Excellence and Equity](#)

B Sriraman, O Steinhorsdottir - The Philosophy of Mathematics Education Journal, 2007 - people.ex.ac.uk

It is a basic fact that life around us constantly reveals inequities such as rich versus poor; the educated versus uneducated; those in power versus those without power; wealthy countries versus poor countries; citizens versus ...

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B Sriraman - Submitted paper, ICMI Study, 2006 - amt.canberra.edu.au

Introduction The ICMI 16 Study on challenging mathematics in and outside the classroom comes at an opportune time, given the growing discrepancy between what constitutes "appropriate" K-12 mathematics among professional ...

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[Mathematical paradoxes as pathways into beliefs and polymathy: an experimental inquiry](#)

B Sriraman - ZDM, 2009 - Springer

Abstract This paper addresses the role of mathematical paradoxes in fostering polymathy among pre-service elementary teachers. The results of a 3-year study with 120 students are reported with implications for mathematics ...

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[A Critique and Response to Multicultural Visions of Globalization](#)

B Sriraman, H Adrian - Interchange, 2008 - Springer

ABSTRACT: The paper by White in this issue of Interchange contains an interesting model for a global educational perspective based on the writings of Aurobindo and Pierre Teilhard de Chardin. White proposes a foundation for ...

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G Törner, B Sriraman - International Group for the Psychology of Mathematics ... - eric.ed.gov

RF04 PME29—2005 1-197 ISSUES AND TENDENCIES IN GERMAN MATHEMATICS- DIDACTICS:

AN EPOCHAL PERSPECTIVE Günter Törner Bharath Sriraman Duisburg-Essen

Universität (Germany) The University of Montana (USA) It is a positive ...

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[CITATION] PhD is Assistant Professor of Mathematics and Mathematics Education in the Department of ...

B Sriraman - His varied research interests include cognition, ...

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[BOOK] [Handbook of mathematical cognition](#)

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JID Campbell - 2005 - Springer

The Handbook of Mathematical Cognition (henceforth The Handbook) is an interesting collection of essays on the cognitive and neurological processes that form the core of mathematical ability, particularly numerical ability. ...

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[CITATION] Pittalis, M., Pitta-Pantazi, D., **Sriraman, B.** (2005). An Empirical Taxonomy of Problem ...

C Christou, N Mousoulides - Zentralblatt für Didaktik der Mathematik

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LD English - Zoltan Paul Dienes and the dynamics of mathematical ..., 2007 - math.umt.edu

It has been well over a decade since I wrote the book, Mathematics education: Models and processes (1995), along with my co-author, Graeme S. Halford. A good deal of what we wrote is still relevant to mathematics education today, as ...

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[Fowler and fouler?](#)

T Sriraman - English Today, 2008 - Cambridge Univ Press

THERE is a passage in Charles Dickens' Little Dorrit which can serve as an exemplary statement of Victorian snobbery and refinement. Mr Dorrit, who has for the better part of his life been condemned to live with his family in the ...

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LD English - Hobart: Mathematics Education Research Group of ..., 2007 - merga.net.au

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[1 Setting an agenda for international research in mathematics education](#)

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1 Setting an agenda for international research in mathematics education Lyn D.

English Queensland University of Technology, Australia We must... project an agenda for action by which we can define our own direction, our own ...

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C Michelsen - Zentralblatt für Didaktik der Mathematik, 2005 - Springer

The Lesh & Sriraman (2005) paper proposes a re- conceptualizing of the field of mathematics education research as that of a design science. This proposal is in line with Greeno, Collins and Resnick (1996) emphasis of a significant ...

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The mathematically gifted elementary students' revisiting of Euler's polyhedron theorem Jaehoon Yim, Sanghun Song, Jiwon Kim1 Gyeongin National University of Education, South Korea Abstract: This paper explores how the constructions ...

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Abstract This paper presents some theoretical tools to help understand the meaning of mathematics education as socio-political practices and the implications of these for researching mathematics education. Taking two ...

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[Mathematical Modelling in classroom: a sócio-critical and discursive perspective](#)

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JC Barbosa - Zentralblatt für Didaktik der Mathematik, 2006 - Springer
Mathematical modelling 1 has been one of the foci of Mathematics Education, especially following the critiques of modern mathematics that began in the 1960's (Niss, 1987). Since 1983, The International Community of Teachers ...

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[ENABLING MORE STUDENTS TO ACHIEVE MATHEMATICAL SUCCESS](#)

S Bulgar - Creativity, Giftedness, and Talent Development in ... - books.google.com
CHAPTER 6 ENABLING MORE STUDENTS TO ACHIEVE MATHEMATICAL SUCCESS A Case Study of Sarah Sylvia Bulgar Rider University ABSTRACT As the United States struggles to compete with other industrialized nations in the teaching and learning of ...

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D Manuel - ... , Creativity, and Learning Mathematics with Literature, ..., 2009 - books.google.com
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CHAPTER 8 MATHEMATICAL PROBLEM SOLVING PROCESSES OF THAI GIFTED STUDENTS Supattra Pattivisan The Institute for the Promotion of Teaching Science and Technology (IPST), Bangkok, Thailand Margaret L. Niess Oregon State ...

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[Proofs as bearers of mathematical knowledge](#)

G Hanna, E Barbeau - ZDM, 2008 - Springer

Abstract Yehuda Rav's inspiring paper "Why do we prove theorems?" published in *Philosophia Mathematica* (1999, 7, pp. 5–41) has interesting implications for mathematics education. We examine Rav's central ideas ...

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[Promoting interdisciplinarity through mathematical modelling](#)

LD English - ZDM, 2009 - Springer

Abstract This article presents one approach to addressing the important issue of interdisciplinarity in the primary school mathematics curriculum, namely, through realistic mathematical modelling problems. Such problems draw upon ...

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PHILOSOPHY Steffen M. Iversen University of Southern Denmark ABSTRACT In this

paper a didactical model is presented. The goal of the model is to work as ...

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N Presmeg - ZDM, 2009 - Springer

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English, Lyn D. (2008) Mathematical modeling: linking mathematics, science and arts in the primary curriculum. In: 2nd International Symposium on Mathematics and its Connections to the Arts and Sciences (MACAS2), 29 - 31 May 2007, ...

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A Matsuura - ... , Creativity, and Learning Mathematics with Literature, ..., 2009 - books.google.com
CHAPTER 10 CYCLIDE MANIPULATION Akihiro Matsuura Tokyo Denki University (Japan)

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M Amit, D Neria - ZDM, 2008 - Springer

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A Framework for Success in Implementing Mathematical Modelling ... Gloria Stillman University of Melbourne <g.stillman@unimelb.edu.au> ... Peter Galbraith University of Queensland <p.galbraith@mailbox.uq.edu.au> Jill ...

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[Dialogue on mathematics education: two points of view on the state of the art](#)

T Eisenberg, MN Fried - ZDM, 2009 - Springer

Abstract On many fronts, the field of mathematics education does not speak with a single voice. There appears to be no firm consensus regarding the

scientific character of mathematics education, the research methodologies ...

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FJ García, K Maass, G Wake - Ita.education.manchester.ac.uk

ABSTRACT: We explore the question of how a research community focused on mathematical modeling might best inform teachers' practice from the viewpoint of an international collaborative project which seeks to develop a teacher ...

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K Maaß - Newsletter, 2007 - ictma.net

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[Students'Improper Proportional Reasoning: A result of the epistemological obstacle of “ ...](#)

M Modestou, A Gagatsis - Educational Psychology, 2007 - informaworld.com

The aim of the present study is to provide further evidence that the errors that arise from improper application of the linear model are not random and not easy to overcome. Using three different types of test, we attempt to show that ...

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Abstract Information systems (IS) are mostly deployed in precompiled form with some predefined configuration options. After deployment, there is usually no access to design of IS and even if design is accessible, there is little ...

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[The Impact of Advanced Curriculum on the Achievement of Mathematically Promising ...](#)

MK Gavin, TM Casa, JL Adelson, SR Carroll, ... - Gifted Child Quarterly, 2009 - gcq.sagepub.com

Abstract: The primary aim of Project M 3 : Mentoring Mathematical Minds was to develop and field test advanced units for mathematically promising elementary students based on exemplary practices in gifted and mathematics education. ...

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[How are theoretical approaches expressed in research practices? A report on an experience ...](#)

S Prediger - ZDM, 2008 - Springer

Abstract This article explores the idea that theoretical approaches might be usefully compared in terms of the ways in which they lead researchers to construe commonsense classroom problems. It reports an experience when ...

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[GIRLS'BELIEFS ABOUT THE LEARNING OF MATHEMATICS](#)

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G Palsdottir - Beliefs and Mathematics: Festschrift in Honor of ..., 2007 - books.google.com
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Iceland! University of Education Abstract: There has been an increased attention
to research on beliefs about mathematics and mathematics education and it ...

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RA Beghetto, JC Kaufman - ZDM, 2009 - Springer

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we argue that all students have multicreative potential. We discuss this ...

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G Kaiser - children - Springer

Abstract: The 29th PME research forum on theories included only one European
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in Europe we compile, survey and analyze a large subset of the research ...

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the new millennium, we are witnessing a renewed interest in education; ...

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[Test of the Three-Mathematical Minds \(M3\) for the Identification of Mathematically Gifted](#)

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U Sak - Roeper Review, 2009 - informaworld.com

In this study, psychometric properties of the test of the three-mathematical
minds (M3) were investigated. The M3 test was developed based on a
multidimensional conception of gifted- ness to identify mathematically ...

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S Prediger - To appear in ZDM-The International Journal on ..., 2008 - mathematik.uni-dortmund.de
... learning. Reston: NCTM, 39-67. **Sriraman, B.** & English, LD (2005 / 2006).

Theories of mathematics education: A global survey of theoretical
frameworks/trends in mathematics education research. ...

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[Fundamental reasons for mathematics education in Iceland](#)

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K Bjarnadóttir - International Perspectives on Social Justice in ..., 2007 - books.google.com

CHAPTER 12 FUNDAMENTAL REASONS FOR MATHEMATICS EDUCATION IN ICELAND Kristin
Bjarnadóttir Iceland University of Education, Reykjavik ABSTRACT Iceland was

predominantly a rural society under Danish rule until the 20th century. The ...

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[PDF] ► [What do students discuss when developing Mathematical Modelling activities?](#)

JC Barbosa - education.indiana.edu

Introduction: One way to define Mathematical Modelling is as a learning milieu in which students are invited to investigate real situations using mathematics (Barbosa, 2003, 2006b). Sometimes I just use the name "Modelling" in ...

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[On the theoretical, conceptual, and philosophical foundations for research in mathematics](#)

...

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F Lester - ZDM—The International Journal on Mathematics ..., 2005 - Springer

Abstract: The current infatuation in the US with "what works" studies seems to leave education researchers with less latitude to conduct studies to advance theoretical and model-building goals and they are expected to adopt ...

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[PDF] ► [MATHEMATICAL MODELLING AND PARALLEL DISCUSSIONS](#)

JC Barbosa - WORKING GROUP 13. Modelling and applications ... - uefs.br

In this paper, I put attention on those students' discussions which don't play a role in building of the mathematical models. Using qualitative data from a situation in the classroom, I propose the notion of parallel discussions ...

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M Jurdak - Mathematics Education and Society Conference, 1999 - mes5.learning.aau.dk

JF Matos, P. Valero & K. Yasukawa (Eds.)(2008). Proceedings of the Fifth International Mathematics Education and Society Conference. Lisbon: Centro de Investigação em Educação, Universidade de Lisboa—Department of ...

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[PDF] ► [Mathematical Modelling for Children: A New Curriculum and a New Perspective](#)

CCM Eric - apera08.nie.edu.sg

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Levando Electronic Publications of Pan-European Institute, 6/2005

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[On the influence of theory on research in mathematics education: the case of teaching and](#)

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C Bergsten - ZDM, 2008 - Springer

It is generally acknowledged that results from didactical research, as any other research on human behaviour in social settings, depends heavily on the underlying basic assumptions, general approach, and theories and methods ...

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[PDF] ► [Constructivism and Peer Collaboration in Elementary Mathematics Education: The](#)

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A Gupta - Eurasia Journal of Mathematics, Science & Technology ..., 2008 - ejmste.com
In this paper, an attempt is made to determine if peer collaboration increases student achievement in teaching elementary mathematics. Empirical evidence and philosophical problems with constructivist epistemology are considered. Two ...

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[PDF](#) ► [what Roles can modelling play in multidisciplinary teaching](#)

P DRAWBACKS, HOWTOA THEM - navimat.dk

This paper presents a research- and development project about mathematics in multidisciplinary teaching, running as a pilot in 2008-2009 and planned to run in full scale in 2009-2010. Its aim is to inquire how learning potentials ...

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M Beličák - bmf.hu

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D Pimm, M Beisiegel, I Meglis - Interchange, 2008 - Springer

ABSTRACT: Although Imre Lakatos described the work published in his book Proofs and Refutations as a study of mathematical methodology, work which has been responded to and criticized by philosophers and historians of mathematics more ...

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P LILJEDAHN - cmeg-5.edu.haifa.ac.il

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[Mathematics learning and aesthetic production](#)

H Gerstberger - ZDM, 2009 - Springer

Abstract Some teaching projects in which the learning of mathematics was combined with mainly theatrical productions are reported on. They are related and opposed to an approach of drama in education by Pesci and the pro- ...

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[Problem solving and Working Mathematically: an Australian perspective](#)

D Clarke, M Goos, W Morony - ZDM, 2007 - Springer

Abstract This article reviews "problem solving" in mathematics in Australia and how it has evolved in recent years. In particular, problem solving is examined from the perspectives of research, curricula and instructional ...

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[CITATION] Mathematik/Literatur-Verschiedene Perspektiven zur Verbindung von Literatur und ...

A Beckmann, B Sriraman - Mathematikunterricht, 2007 - Stuttgart.

[PDF] ► [Pre-print \(German version\) of ongoing work with Günter Törner A shorter English version ...](#)

G Törner, B Sriraman - umt.edu

Pre-print (German version) of ongoing work with Günter Törner A shorter English version appeared as ... Törner, Günter & Sriraman, Bharath. (2005). Issues and tendencies in German Mathematics Didactics: An epochal ...

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V Font, JI Acevedo, M Castells, J Bolite - webpersonal.net

Font, V., Acevedo, JI, Castells, M. y Bolite, J. (2008). Metáforas y ontosemiótica. El caso de la representación gráfica de funciones en el discurso escolar. Acta Latinoamericana de Matemática Educativa, 21 (en ...

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E KORKMAZ, GÜR Hülya, BÜNEF OFMA, M ... - fbe.balikesir.edu.tr

ÖZET: Bu incelemede, sınıf ve matematik öğretmen adaylarından oluşan kontrol ve deney gruplarının problem kurma sürecinde neler yaptıkları ve güçlükleri gözlenmiş, başarı durumları karşılaştırılmış, ...

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[Connecting theories in mathematics education: challenges and possibilities](#)

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L Radford - ZDM, 2008 - Springer

Abstract This paper is a commentary on the problem of networking theories. My commentary draws on the papers contained in this ZDM issue and is divided into three parts. In the first part, following semiotician Yuri Lotman, I ...

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TMME, vol4, no. 2, p. 210 The Montana Mathematics Enthusiast, ISSN 1551-3440, Vol. 4, no. 2, pp. 210-229 2007© The Montana Council of Teachers of Mathematics Mathematics Education and Neurosciences: Relating Spatial Structures to the ...

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[Game and decision theory in mathematics education: epistemological, cognitive and ...](#)

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RW Scholz - ZDM, 2007 - Springer

Abstract In the 1950s, game and decision theoretic modeling emerged—based on applications in the so- cial sciences—both as a domain of mathematics and interdisciplinary fields. Mathematics educators, such as Hans Georg ...

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[Morality and High Ability: Navigating a Landscape of Altruism and Malevolence](#)

D Ambrose - Morality, Ethics, and Gifted Minds, 2009 - Springer

Abstract This wide-ranging exploration of theory and research from ethical philo- sophy, political science, economics, psychology, primatology, and other disciplines extends beyond current perspectives on morality and giftedness ...

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[Charting the microworld territory over time: design and construction in mathematics ...](#)

L Healy, C Kynigos - Springer

Abstract The study discusses the development of theo- retical ideas and constructs related to digital microworlds within the mathematics education community and their implications for interpretations of mathematics ...

[PDF] ► [ScienceMath—ein fächerübergreifendes europäisches Projekt](#)

A Beckmann, S Gmünd - GDM, Beiträge zum Mathematikunterricht, 2007 - mathematik.uni-dortmund.de

Ausgangspunkt für das Projekt ist ein fächerübergreifender Ansatz mit den Naturwissenschaften, insbesondere mit der Physik. Durch außermathema- tische Bezüge sollen die Schülerinnen und Schüler Mathematik ange- messen, ...

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송상헌 , 임재훈 , 정영옥 , 권석일 , 김지원 - 수학교육연구, 2007 - dbpia.co.kr

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[A research framework for creative and imitative reasoning](#)

J Lithner - Educational Studies in Mathematics, 2008 - Springer

Abstract This conceptual research framework addresses the problem of rote learn- ing by characterising key aspects of the dominating imitative reasoning and the lack of creative mathematical reasoning found in empirical data. By ...

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F Furinghetti, L Radford - merc.laurentian.ca

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C Michelsen - Proceedings of the 1st International Symposium on ..., 2005 - Citeseer
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[PDF] ► [Mathematical Fiction](#)

J PADULA - student.pfmb.uni-mb.si
When a television series like Numb3rs (Falacci et al., 2005) is considered
worthy of discussion at a recent National Council of Teachers of Mathematics
(NCTM) conference it is time to take mathematical fiction seriously. ...
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[PDF] ► [Theories in Mathematics Education: A Brief Inquiry into their Conceptual Differences](#)

L Radford - earthsciences.laurentian.ca
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mathematics education research. My goal is to contribute to clarify one of the
two central themes around which our Survey Team revolves, namely the ...
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[PDF] ► [A Problem With Problem Solving: Teaching Thinking Without Teaching Knowledge](#)

J Carson - The Mathematics Educator, 2007 - Citeseer
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situations where little or no knowledge of the problem is needed. Such an ...
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K Fussell - 2005 - lib.ncsu.edu
Page 1. ABSTRACT FUSSELL, KAREN NICOLE HILTON. The educational purposes of geometric
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