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Regular Lecture

Regular lectures

Concept maps and vee diagrams in undergraduate mathematics problem solving

Karoline Afamasaga-Fuata'i

Mathematics for mass media

Jin Akiyama

300 years of Russian mathematical education: European traditions and national features

Dimitrii V. Anosov

Developing teaching and learning in primary mathematics: Lessons from England's National Strategy

Mike Askew

Statistics education as a field of research and practice

Carmen Batanero

Collaborative research and professional development of teachers in mathematics

Nadine Bednarz

Exploiting the gap between intuitive and formal knowledge in mathematics

Christer Bergsten

Opportunities and problems for "Quality Mathematics Teaching" – the SINUS and DISUM projects

Werner Blum

Promoting equity in mathematics classrooms – important teaching practices and their impact on student learning

Jo Boaler

On the relationships between informal out-of-school mathematics and formal in-school mathematics in the development of abstract mathematical knowledge

Cinzia Bonotto

Humans-with-media and mathematical thinking: Orality, writing and technologies of information and communication¹

Marcelo C. Borba

Come away with me: Statistics learning through collaborative work

Margarida César

From the mathematics classrooms: Dialogues and tasks under analysis. Returning to teacher autonomy

Maria Luiza Cestari

Understanding, assessing and developing young mathematical thinkers

Doug Clarke

Mathematics in its relation to other disciplines - Some examples related to economics and physics

Jean-Luc Dorier

Mathematical reasoning: Mental activity or practice with diagrams

Willi Dörfler

A crucial issue in mathematics education: The ability to change representation register

Raymond Duval

Empowering mathematics education

Paula Ensor

Applications and modelling in mathematics education: Progress to celebrate – so much more to do

Peter Galbraith

What is mathematical literacy?

Tony Gardiner

From research in mathematics education to teachers' training through the internet: The case of Italian science and technology (S&T) projects

Rossella Garuti

Creating opportunities for students to reinvent mathematics

Koeno Gravemeijer

The dual nature of mathematics

Vagn Lundsgaard Hansen

Proof, proving, and the work of teachers and students in classrooms

Patricio Herbst

Nation building initiatives: Impact on school mathematics curriculum

Lee Ngan Hoe

Klein and Freudenthal

Geoffrey Howson

Fundamentals of mathematics: A challenge in the Japanese mathematics curriculum

Shigeru Itaka

Teaching of mathematics in Singapore schools

Berinderjeet Kaur



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Stages in the history of algebra with implications for teaching

Victor J. Katz

Mathematics in time, the potential of calendar-mathematics in the classroom

Christoph Kirfel

Discussing factors behind mathematics performance in Finnish comprehensive school education

Pekka Kupari

Characterising the mathematics of the mathematics teacher from the point of view of meaning production

Romulo Lins

The design of practising in mathematic textbooks

Yizhu Liu

Building virtual learning communities and the learning of mathematics teacher student

Salvador Llinares

The development of mathematical reasoning: A sixteen-year study

Carolyn A. Maher

Early algebra: From teachers' education to classroom culture

Nicolina A. Malara

Doing \neq Construing and Doing + Discussing \neq Learning: The importance of the structure of attention

John Mason

Teaching mathematical concepts: Instruction for abstraction

Michael Mitchelmore and Paul White

Developing mathematical understanding

Judy Mousley

Future teachers use technology to explore concept development in mathematics

Eric R. Muller

Designing a learnable mathematics: A fundamental role for the computer?

Richard Noss

Language, gesture, and the embodied mind: Cognitive science and the foundations of mathematics

Rafael Núñez

Education and professional development of mathematics teachers in Korea

Park, Han Shick and Shin, Hyunyong

State-of-the-art in mathematical beliefs research



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Erkki Pehkonen

Discourse analysis and mathematics education: An anniversary of sorts

David Pimm

History of algebraic ideas and research on educational algebra

Luis Puig

Theory meets practice: What happens when a mathematics education researcher gets involved in professional development?

Alan H. Schoenfeld

The triple nature of mathematics: Deep ideas, surface representations, formal models

Zbigniew Semadeni

Mathematics education and language: Policy, research and practice in multilingual contexts

Mamokgethi Setati

Does the school of the 21st century need geometry?

I.F. Sharygin¹ and V. Yu. Protasov

Dynamic structural learning: From theory to practice

Mihaela Singer

Critical mathematics education for the future

Ole Skovsmose

Intersections of mathematics and art

Vera W. de Spinadel

Naming Practices that Support Reasoning about and with Expressions

K. Subramaniam

The progress of mathematics education in Japan - from the standpoint of practical studies

Masahiko Suzuki and Akira Yanagimoto

To what extent do teachers comprehend students' written work?

Julianna Szendrei

Conceptual representations and versatile mathematical thinking

Michael O. J. Thomas

Analysing mathematics teacher education from a critical perspective: The case of project work

Renuka Vithal

Assessment in statistics education: Obstacle or opportunity?

Jane M. Watson



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The CHC (Confucian Heritage Culture) learner's phenomenon: What lesson can mathematics education learn from it?

Ngai-Ying Wong

School mathematics as a major subject for 'humanistic education'

Woo, Jeong Ho

The "Two Basics" mathematics teaching approach and open ended problem solving in China

Zhang, Dianzhou and Dai, Zaiping



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