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Nota di contenuto	Preliminary Material / Bob Perry , Tom Lowrie , Tracy Logan , Amy MacDonald and Jane Greenlees -- Introduction / Bob Perry , Tom Lowrie , Tracy Logan , Amy MacDonald and Jane Greenlees -- Reflections on the MERGA Research Review 2004–2007 / Barbara Clarke , Tasos Barkatsas , Helen Forgasz , Wee Tiong Seah and Peter Sullivan -- The Affective Domain and Mathematics Education / Gregor Lomas , Peter Grootenboer and Catherine Attard -- Equity, Diversity, Social Justice and Ethics in Mathematics Education / Bill Atweh , Colleen Vale and Margaret Walshaw -- Indigenous Students and the Learning of Mathematics / Tamsin Meaney , Colleen McMurchy-Pilkington and Tony Trinick -- Supporting Exceptional Students to Thrive Mathematically / Carmel Diezmann , Melissa Stevenson and Jillian Fox -- Technology in Mathematics Education / Vince Geiger , Helen Forgasz , Hazel Tan , Nigel Calder and Janelle Hill -- Assessment Beyond all: The Changing Nature of Assessment / Tom Lowrie , Jane Greenlees and Tracy Logan -- Early Childhood Mathematics Education / Amy MacDonald , Ngaire Davies , Sue Dockett and Bob Perry -- Powerful Pedagogical Actions in Mathematics Education / Ann Gervasoni , Roberta Hunter , Brenda Bicknell and Matthew Sexton -- Mathematics Curriculum in the Schooling Years / Judy Anderson , Paul White and Monica Wong -- Growth and new Directions? Research in Tertiary Mathematical Science Education / Bill Barton , Merrilyn Goos , Leigh Wood and Adel Miskovich -- Uncertainty in Mathematics Education: What to do with Statistics? /

Rosemary Callingham , Jane Watson and Tim Burgess -- The Professional Education and Development of Prospective Teachers of Mathematics / Glenda Anthony , Kim Beswick and Fiona Ell -- Professional Knowledge of Practising Teachers of Mathematics / Janette Bobis , Joanna Higgins , Michael Cavanagh and Anne Roche -- Taking Stock: From here to the Future / Gilah Leder -- Contributors / Bob Perry , Tom Lowrie , Tracy Logan , Amy MacDonald and Jane Greenlees -- Reviewers / Bob Perry , Tom Lowrie , Tracy Logan , Amy MacDonald and Jane Greenlees.

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Sommario/riassunto

This is the eighth edition of the four-yearly review of mathematics education research in Australasia. Commissioned by the Mathematics Education Research Group of Australasia (MERGA), this review critiques the most current Australasian research in mathematics education in the four years from 2008-2011. The main objective of this review is to celebrate and recognise significant findings; highlight relationships between research; identify themes; and forecast further research directions. This theme-based review has produced a comprehensive analysis of Australasian research in a politically challenging time—producing a manuscript with implications for a wider, international, audience. As the 2009 Felix Klein medal winner Gilah Leder states: A substantial body of research is captured in the chapters of this review. It encompasses the labours of a community of active researchers, with varied interests and diverse theoretical perspectives. Some of the issues explored in the period covered by this volume clearly resonate with questions and concerns particularly pertinent to the changing educational environment; others are more aptly described as continuing or renewed explorations of areas of long standing concern.

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