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## Chapter 1 : International Handbook of Mathematics Education : Alan Bishop :

*ALAN J. BISHOP Monash University, Clayton, Victoria, Australia RATIONALE Mathematics Education is becoming a well-documented field with many books, journals and international conferences focusing on a variety of aspects relating to theory, research and practice.*

Subjects Description Mathematics education is one of the most publicized and contested fields of endeavour in the area of education more generally. University mathematics professors tend either to deplore the dropping of standards in their students, and thus the dropping of standards in teachers, or heartily embrace the new learning techniques made possible through careful use of the new technologies. Edited by Alan Bishop, a prominent scholar in the field, this Routledge Major Work is a four-volume collection of foundational and cutting-edge contributions that cover all of the major themes in mathematics education. With comprehensive introductions to each volume, newly written by the editor, which place the collected material in its historical and intellectual context, this Routledge Major Work is an essential work of reference. It is destined to be valued by specialists in mathematics education and scholars working in related areas—as well as by educational policy-makers and professionals—as a vital one-stop research tool. Table of Contents Volume I: Mathematics, mathematics education, and the curriculum Part 1: Mathematics and Mathematics Education a Histories of Mathematics 1. An International Perspective Falmer Press, , pp. Van Bendegem, and R. Mathematics teachers and teaching Part 1: Lin and Thomas J. Mathematics Learners and Learning Part 1: Mathematics Learners a School Learners Research and Practice Kluwer Academic Publishers, , pp. The Contexts of Mathematics Education Part 1: Can Electronic Learning Communities Assist? Mathematics Education and Technology Springer-Verlag, , pp. About the Series Major Themes in Education The collections in this series bring together the most significant and influential writings on the key themes within education systems worldwide. Edited by acknowledged leaders in the field, the volumes include essential readings from a wide range of sources. Complete with new introductions and thorough indices, each collection gives an historical overview of the development of the theme concerned and also provides students, teachers and researchers with an insight into current debates within the field.

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