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Interdisciplinary Educational Research in Mathematics and Its Connections to the Arts and Sciences (Paperback)

By International Symposium on Mathematics a

Information Age Publishing, United States, 2009. Paperback. Book Condition: New. 249 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The book is based on the recently held Symposium on mathematics and its connections to the arts and sciences, namely the second Mathematics and its Connections to the Arts and Sciences (MACAS2) Symposium in Odense, Denmark (May 29-31, 2007). The chapters are an eclectic collection of interdisciplinary research initiatives undertaken by mathematics educators with implications for practitioners concerned with teaching and learning processes. The papers cover a wide genre of research domains within mathematics education (cognition, modelling, problem solving, teacher education, ethnomathematics, mathematical/statistical literacy, curricular and technological initiatives and research related to science education). The major interdisciplinary themes of the papers in this book are: 1. How can modelling activities be used to foster interdisciplinary projects in the school and university setting? 2. How can the intricate connections between mathematics and physics be used to design and research interdisciplinary activities in schools and the university? 3. How can research within the ethnomathematics domain of mathematics education be linked to critical mathematics education and interdisciplinary projects involving mathematics, art and culture? 4. How can the push for mathematical...

Reviews

I actually started looking over this publication. It really is rally interesting throgh studying period. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Dana Hintz**

Good electronic book and valuable one. It really is basic but unexpected situations in the 50 percent in the pdf. You wont really feel monotony at at any moment of your time (that's what catalogues are for concerning when you ask me).

-- **Elisa Reinger**