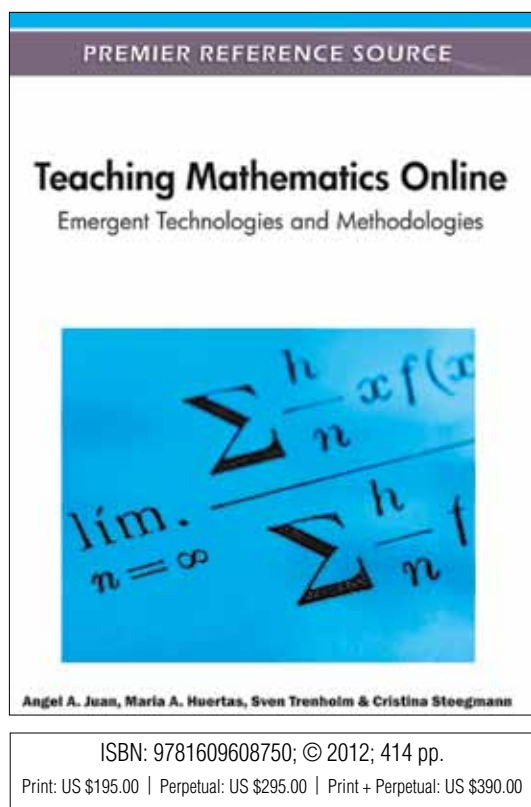


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Teaching Mathematics Online: Emergent Technologies and Methodologies



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Educational technologies (e-learning environments or learning management systems for individual and collaborative learning, Internet resources for teaching and learning, academic materials in electronic format, specific subject-related software, groupware and social network software, etc.) are changing the way in which higher education is delivered.

Teaching Mathematics Online: Emergent Technologies and Methodologies shares theoretical and applied pedagogical models and systems used in math e-learning including the use of computer supported collaborative learning, which is common to most e-learning practices. The book also forecasts emerging technologies and tendencies regarding mathematical software, learning management systems, and mathematics education online and presents up-to-date research work on how mathematics education is changing in a global and Web-based world.

Topics Covered:

- Collaborative Learning in Mathematical Education
- Computer Supported Mathematical Learning
- Distributed E-Learning Environments for Mathematics
- E-Learning Management Systems and Mathematical Education
- Emerging Technologies in Mathematical Education
- Evaluation of Technology Systems for Math E-Learning
- Free and Open Source Software for Math Learning
- Groupware Systems in Mathematical Teaching
- Simulation-Supported Learning and Instruction in Mathematics
- Web-Based Mathematical Instruction/Learning

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

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