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Released: August 2010

## Simulation and Gaming for Mathematical Education: Epistemology and Teaching Strategies

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### Simulation and Gaming for Mathematical Education

Epistemology and Teaching Strategies



ISBN: 9781605669304; © 2011; 256 pp.

Print: US \$180.00 | Perpetual: US \$255.00 | Print + Perpetual: US \$360.00

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Technologic and virtual development is growing, creating an environment of online gaming that can be used as an effective and motivational instrument for math didactics in education.

**Simulation and Gaming for Mathematical Education: Epistemology and Teaching Strategies** provides leading research on ways for various learning environments to be created referring to math didactics through redefinition and reassessment of teaching experiences. A defining collection of field advancements, this publication gradually leads readers through the steps of planning innovative strategies in math education.

#### Topics Covered:

- Construction of mathematical concepts
- Design of simulation games
- Epistemological framework
- Future developments in simulation
- Gaming for mathematical education
- Isometries
- Mathematical learning
- Mathematization in the virtual age
- Simulation for mathematical education
- Teaching strategies with simulation

**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.

**Cesare Fregola** is professor of social pedagogy at the Sapienza University in Rome; teacher of mathematics and educational psychology on the Masters Course in Math Teaching: Art, Science and Reality at the Roma Tre University and teacher on the 2nd level Masters Course in “teaching planning and evaluation” at the University of Calabria. Transactional analyst in the educational ambit, Cesare has participated and led research into various themes such as the emotional, cognitive and socio-relational aspect of learning processes as well as into other area in the educational field. He is author of monographs, articles and papers of national repute and co-author of an internationally recognized paper on themes concerning distance learning.

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