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Título:

Autor:

Precio: \$2866.58

Editorial:

Año: 2012

Tema:

Edición: 1ª

Sinopsis

ISBN: 9781461463924

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Advances in Applied Mathematics and Approximation Theory: Contributions from AMAT 2012 is a collection of the best articles presented at "Applied Mathematics and Approximation Theory 2012," an international conference held in Ankara, Turkey, May 17-20, 2012. This volume brings together key work from authors in the field covering topics such as ODEs, PDEs, difference equations, applied analysis, computational analysis, signal theory, positive operators, statistical approximation, fuzzy approximation, fractional analysis, semigroups, inequalities, special functions and summability. The collection will be a useful resource for researchers in applied mathematics, engineering and statistics.?

Content Level » Research

Keywords » AMAT 2012 - Approximations and Expansions - Fractional Calculus - Numerical Analysis - Ordinary and Partial Differential Equations - Time Scales

Related subjects » Analysis - Applications - Dynamical Systems & Differential Equations

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