

1. Record Nr.	UNISA990002061110203316
Autore	AYMARD, André
Titolo	1. : L' Oriente e la Grecia Antica / André Aymard e Jeannine Auboyer ; prefazione all'edizione italiana di Delio Cantimori ; [traduzione di Nicola Bardaro]
Pubbl/distr/stampa	Firenze, : Casini, 1958
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Altri autori (Persone)	AUBOYER, Jeannine
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2. Record Nr.	UNINA9910350317403321
Autore	Sun Jian-Qiao
Titolo	Cell Mapping Methods : Algorithmic Approaches and Applications // by Jian-Qiao Sun, Fu-Rui Xiong, Oliver Schütze, Carlos Hernández
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Nota di contenuto

Introduction -- Dynamical Systems -- Simple Cell Mapping -- Generalized Cell Mapping -- Hybrid Cell Mapping and Subdivision -- Post-Processing of Simple Cell Mapping -- Application-Global Analysis of Nonlinear Dynamical Systems -- Application-Finding Zeros of Nonlinear Algebraic Functions -- Application-Multi-Objective Optimization.

Sommario/riassunto

This book presents the latest algorithmic developments in the cell-mapping method for the global analysis of nonlinear dynamic systems, global solutions for multi-objective optimization problems, and global solutions for zeros of complex algebraic equations. It also discusses related engineering and scientific applications, including the nonlinear design of structures for better vibration resistance and reliability; multi-objective, structural-acoustic design for sound abatement; optimal multi-objective design of airfoils for better lift; and optimal multi-objective design of linear and nonlinear controls with or without time delay. The first book on the subject to include extensive Matlab and C++ codes, it presents various implementation algorithms of the cell-mapping method, enabling readers to understand how the method works and its programming aspects. A link to the codes on the Springer website will be provided to the readers.
