

1. Record Nr.	UNINA9910819973703321
Titolo	Industrial and applied mathematics in China // editors, Ta-Tsien Li, Pingwen Zhang
Pubbl/distr/stampa	Beijing, China : , : Higher Education Press, , 2009 ©2009
ISBN	7-89423-675-6
Descrizione fisica	1 online resource (250 p.)
Collana	Series in Contemporary Applied Mathematics ; ; 10
Disciplina	510
Soggetti	Mathematics - China Engineering mathematics - Industrial applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Mechanized Methods for Differential and Difference Equations; A Global Existence Result in Radiation Hydrodynamics; Recent Computational Methods for High Frequency Waves in Heterogeneous Media; Some Recent Results on Ranking Webpages and Websites; Report on Testing and Finding the Generating Functions g of an Option Pricing Mechanism Through Market Data; Analysis of Nonconforming Rotated Q1 Element for the Reissner-Mindlin Plate problem; Monitoring the Corrosion of the Blast Furnace by Perturbation Method; Numerical Study of Magnetic Properties of Nanowire Arrays; Generalized B-spline Mathematical Problems in System-on-Chip Design and ManufactureA New Reconstruction Algorithm for Cone-beam CT with Unilateral Off-centered RT Multi-scan; Bioluminescence Tomography Reconstruction by Radial Basis Function Collocation Method
Sommario/riassunto	This new volume introduces readers to the current topics of industrial and applied mathematics in China, with applications to material science, information science, mathematical finance and engineering. The authors utilize mathematics for the solution of problems. The purposes of the volume are to promote research in applied mathematics and computational science; further the application of mathematics to new methods and techniques useful in industry and science; and provide for the exchange of information between the

mathematical, industrial, and scientific communities.
