

1. Record Nr.	UNINA9910780918203321
Autore	Li Ta-Tsien
Titolo	Industrial and Applied Mathematics in China [[electronic resource]]
Pubbl/distr/stampa	Singapore, : World Scientific Publishing Company, 2009
ISBN	1-282-44277-5 9786612442773 981-283-876-7
Descrizione fisica	1 online resource (251 p.)
Collana	Series in Contemporary Applied Mathematics, 10 ; ; v.v. 10
Disciplina	519.0951
Soggetti	Engineering mathematics -- Congresses Engineering mathematics Mathematics -- China -- Congresses Mathematics -- China Mathematics - Industrial applications - China Mathematics Mathematical Theory Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Preface; Contents; Xiaoshan Gao, Ziming Li: Mechanized Methods for Differential and Difference Equations; Song Jiang, Feng Xie, Jianwen Zhang: A Global Existence Result in Radiation Hydrodynamics.; Shi Jin: Recent Computational Methods for High Frequency Waves in Heterogeneous Media; Ying Bao, Zhiming Ma, Yanhong Shang: Some Recent Results on Ranking Webpages and Websites; Lifeng Chen, Shige Peng: Report on Testing and Finding the Generating Functions g of an Option Pricing Mechanism through Market Data Jun Hu, Zhongci Shi: Analysis of Nonconforming Rotated Q1 Element for the Reissner-Mindlin Plate Problem Yongji Tan: Monitoring the Corrosion of the Blast Furnace by Perturbation Method; Yong Xiao, Sufen Zhao, Xiaoping Wang: Numerical Study of Magnetic Properties of Nanowire Arrays; Zongmin Wu: Generalized B-spline; Xuan Zeng, Hengliang Zhu, Fan Yang, Jun Tao, Yi Wang, Jintao X ue: Mathematical

Problems in System-on-Chip Design and Manufacture; Weiwei Qi, Ming Chen, Huitao Zhang, Peng Zhang: A New Reconstruction Algorithm for Cone-beam CT with Unilateral Off-centered RT Multi-scan
Tie Zhou, Jiantao Cheng, Ming Jiang: 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.
