Record Nr. UNINA9910787227403321 Industrial and applied mathematics in China / / editors, Ta-Tsien Li, **Titolo** 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;; 10 510 Disciplina 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. Includes bibliographical references. Nota di bibliografia Mechanized Methods for Differential and Difference Equations: A Global Nota di contenuto 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 Offcentered RT Multi-scan; Bioluminescence Tomography Reconstruction by Radial Basis Function Collocation Method This new volume introduces readers to the current topics of industrial Sommario/riassunto 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

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