

1. Record Nr.	UNINA9910451386703321
Titolo	Frontiers and prospects of contemporary applied mathematics [[electronic resource] /] / editors, Tatsien Li, Pingwen Zhang
Pubbl/distr/stampa	Beijing, China, : Higher Education Press Singapore ; ; New Jersey, : World Scientific, c2005
ISBN	1-281-91933-0 9786611919337 981-277-419-X
Descrizione fisica	1 online resource (276 p.)
Collana	Series in contemporary applied mathematics ; ; 6
Altri autori (Persone)	LiDaqian ZhangPingwen
Disciplina	510.285 620.001/51 620.00151
Soggetti	Engineering mathematics Biomathematics Mathematics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"During the period of the 8th Annual Conference of the China Society for Industrial and Applied Mathematics (CSIAM) held on August 24-30, 2004 in Xiangtan, Hunan Province, China, the Symposium on Frontiers and Prospects of Contemporary Applied Mathematics was held"--Pref.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents ; Preface ; Invited Talks ; An Iterative BEM for the Inverse Problem of Detecting Corrosion in a Pipe ; 1 Introduction ; 2 Formulation of the inverse problem ; 3 The iterative boundary element method for this Cauchy problem ; 4 Numerical results for the inverse problem ; 5 Conclusions References ; Analysis of the Local Quasicontinuum Method ; 1 Introduction ; 2 The existence theorem for the continuum and the atomistic models ; 3 Local quasicontinuum method ; 4 Estimate of e(QC) ; References

The Artificial Boundary Method-Numerical Solutions of Partial
Differential Equations on Unbounded Domains
1 Introduction ; 2 Two typical problems
; 3 The global (nonlocal) artificial boundary conditions
; 4 Local boundary conditions ; 5 Discrete artificial
boundary conditions
6 Implicit boundary conditions 7 Conclusions
; References ; Optimal order integration on the sphere
; 1 Introduction ; 2 Extremal fundamental systems versus
product rules ; 3 Optimal order
estimates for cubature in Sobolev spaces
; 4 Numerical example ; References
A Survey of Multi-symplectic Runge-Kutta Type Methods for
Hamiltonian Partial Differential Equations
1 Introduction ; 2 Multi-symplecticity of Runge-Kutta type
methods for the general Hamiltonian partial differential equations
3 Multi-symplectic Runge-Kutta type methods for Schrodinger
equations

Sommario/riassunto

This collection of articles covers the hottest topics in contemporary applied mathematics. Multiscale modeling, material computing, symplectic methods, parallel computing, mathematical biology, applied differential equations and engineering computing problems are all included. The book contains the latest results of many leading scientists and provides a window on new trends in research in the field.

Sample Chapter(s)
Chapter 1: An Iterative BEM for the Inverse Problem of Detecting Corrosion in a Pipe (467 KB)
Contents:

- An Iterative BEM for the Inverse Problem

2. Record Nr.	UNINA9910959199803321
Autore	Gremillion Helen <1965->
Titolo	Feeding anorexia : gender and power at a treatment center // Helen Gremillion
Pubbl/distr/stampa	Durham, : Duke University Press, 2003
ISBN	9786613064653 9781283064651 1283064650 9780822385011 0822385015
Descrizione fisica	1 online resource (301 p.)
Collana	Body, commodity, text
Disciplina	362.2/5 362.25
Soggetti	Anorexia nervosa - Social aspects
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 (p. [247]-269) and index.
Nota di contenuto	Introduction: In fitness and in health -- Crafting resourceful bodies and achieving identities -- Minimal mothers and psychiatric discourse about the family -- Hierarchy, power, and gender in the "therapeutic family" -- "Typical patients are not 'borderline'": embedded constructs of race, ethnicity, and class.
Sommario/riassunto	A groundbreaking study of anorexia treatment that shows how the treatment often makes the disease worse.