

1. Record Nr.	UNINA9910961787703321
Titolo	Recent advances in elliptic and parabolic problems : proceedings of the international conference, Hsinchu, Taiwan, 16-20 February 2004 // editors, Chiun-Chuan Chen, Michel Chipot, Chang-Shou Lin
Pubbl/distr/stampa	Singapore ; ; Hankensack, NJ, : World Scientific, c2005
ISBN	1-281-89814-7 9786611898144 981-270-205-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (285 p.)
Altri autori (Persone)	ChenChiun-Chuan ChipotM (Michel) LinChang-Shou
Disciplina	515.353 515/.3533
Soggetti	Differential equations, Elliptic Differential equations, Parabolic
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	Preface; CONTENTS; Herbert Amann Maximal Regularity and Quasilinear Parabolic Boundary Value Problems; Assis Azevedo, Jose-Francisco Rodrigues and Lisa Santos Remarks on the Two and Three Membranes Problem; Jann-Long Chern and Sze-Guang Yang On the Applications from the Divergence-type Identities in Punctured Domain; Manuel Del Pino and Monica Musso Bubbling and Criticality in Two and Higher Dimensions; Pierpaolo Esposito Blow up Solutions for a Liouville Equation with Singular Data Jacques Giacomoni, Jyotshana Prajapat and Mythily Ramaswamy Positive Solution Branch for Elliptic Problems with Critical Indefinite NonlinearityLiliana Gratie Existence Theory for a New Semi-linear Elliptic System Arising in Nonlinear Shell Theory; Patrick Guidotti Problems in Unbounded Cylindrical Domains; Jong-Shenq Guo Entire Solutions of Some Reaction-Diffusion Equations; Jongmin Han and Namkwon Kim Some Abelian Gauge Field Theories in the Self-dual and Nonselfdual Cases; Satoshi Kosugi Ginzburg-Landau Equations on

Non-uniform Media

Chang-Shou Lin and Tai-Chia Lin Phase Separation of Bound State

Solutions of a System of Nonlinear Schrodinger EquationsChun-Chi Lin

and Hartmut R. Schwetlick Finding the Elasticae by Means of Geometric

Gradient Flows; Stephan Luckhaus Uniform Rectifiability from Mean

Curvature Bounds; Mariarosaria Padula Free Work Identity and

Nonlinear Instability in Fluids with Free Boundaries; Pavol Quittner

Complete and Energy Blow-up in Superlinear Parabolic Problems;

Vsevolod A. Solonnikov On Linear Stability and Instability of Equilibrium

Figures of Uniformly Rotating Liquid

Takashi Suzuki and Futoshi Takahashi On Non-topological Multivortex

Condensates in the Generalized Self-dual Chern-Simons TheoryEiji

Yanagida Non-stabilizing Solutions for a Supercritical Semilinear

Parabolic Equation

---

Sommario/riassunto

The book is an account on recent advances in elliptic and parabolic problems and related equations, including general quasi-linear equations, variational structures, Bose-Einstein condensate, Chern-Simons model, geometric shell theory and stability in fluids. It presents very up-to-date research on central issues of these problems such as maximal regularity, bubbling, blowing-up, bifurcation of solutions and wave interaction. The contributors are well known leading mathematicians and prominent young researchers. The proceedings have been selected for coverage in: Index to Scientific & Techn

---