1.	Record Nr.	UNINA9910974215103321
	Titolo	Recent advances on elliptic and parabolic issues : proceedings of the 2004 Swiss-Japanese Seminar : Zurich, Switzerland, 6-10 December 2004 / / editors, Michel Chipot, Hirokazu Ninomiya
	Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2006
	ISBN	9786611919313
		9781281919311
		1281919314
		9789812774170
		9812774173
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (viii, 292 p.) : ill
	Altri autori (Persone)	ChipotM (Michel)
		NinomiyaHirokazu
	Disciplina	515.3533
	Soggetti	Differential equations, Elliptic
		Differential equations, Parabolic
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Preface -- Steady free convection in a bounded and saturated porous medium / Samir Akesbi, Bernard Brighi, and Jean-David Hoernel -- Quasilinear parabolic functional evolution equations / Herbert Amann -- A linear parabolic problem with non-dissipative dynamical boundary conditions / Catherine Bandle, Wolfgang Reichel -- Remarks on some class of nonlocal elliptic problems / Michel Chipot -- On some definitions and properties of generalized convex sets arising in the calculus of variations / Bernard Dacorogna, Ana Margarida Ribeiro -- Note on the asymptotic behavior of solutions to an anisotropic crystalline curvature flow / Chiaki Hirota, Tetsuya Ishiwata, Shigetoshi Yazaki -- A reaction-diffusion approximation to a cross-diffusion system / Masato Iida, Hirokazu Ninomiya -- Bifurcation diagrams to an elliptic equation involving the critical Sobolev exponent with the Robin condition / Yoshitsugu Kabeya -- Ginzburg-Landau functional in a thin loop and local minimizers / Satoshi Kosugi, Yoshihisa Morita -- Singular limit for some reaction diffusion system / Kimie Nakashima --

Rayleigh-Benard convection in a rectangular domain / Toshiyuki Ogawa, Takashi Okuda -- Some convergence results for elliptic problems with periodic data / Y. Xie -- On global unbounded solutions for a semilinear parabolic equation / Eiji Yanagida.

| Sommario/riassunto | This volume is a collection of articles discussing the most recent advances on various topics in partial differential equations. Many important issues regarding evolution problems, their asymptotic behavior and their qualitative properties are addressed. The quality and completeness of the articles will make this book a source of inspiration and references in the future. Contents: Steady Free Convection in a Bounded and Saturated Porous Medium (S Akesbi et al.); Quasilinear Parabolic Functional Evolution Equations (H Amann); A Linear Parabolic Problem with Non-Dissipative Dynamical Boundary Conditions (C Bandle & W Reichel); Remarks on Some Class of Nonlocal Elliptic Problems (M Chipot); On Some Definitions and Properties of Generalized Convex Sets Arising in the Calculus of Variations (B Dacorogna et al.); Note on the Asymptotic Behavior of Solutions to an Anisotropic Crystalline Curvature Flow (C Hirota et al.); A Reaction-Diffusion Approximation to a Cross-Diffusion System (M Iida et al.); Bifurcation Diagrams to an Elliptic Equation Involving the Critical Sobolev Exponent with the Robin Condition (Y Kabeya); Ginzburg-Landau Functional in a Thin Loop and Local Minimizers (S Kosugi & Y Morita); Singular Limit for Some Reaction Diffusion System (K Nakashima); Rayleigh-Benard Convection in a Rectangular Domain (T Ogawa & T Okuda); Some Convergence Results for Elliptic Problems with Periodic Data (Y Xie); On Global Unbounded Solutions for a Semilinear Parabolic Equation (E Yanagida). Key Features An accessible presentation of the latest, cutting-edge topics in partial differential equations Written by leading scholars in related fields Readership: Graduate students and researchers in partial differential equations and nonlinear science. |