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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-Sheng Guo Entire Solutions of Some Reaction-Diffusion Equations; Jongmin Han and

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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
