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Nota di contenuto	Preface; CONTENTS; Long-Time Dynamics in Semilinear Parabolic Problems with Autocatalysis N. Ackermann; A Note on Reaction-Diffusion Systems with Skew-Gradient Structure C.-N. Chen, T.-L. Horng, D. Lee and G.-H. Tsai; Change of Environment in Model Ecosystems: Effect of a Protection Zone in Diffusive Population Models Y. Du; The State of the Art for a Conjecture of de Giorgi and Related Problems A. Farina and E. Valdinoci; Two Remarks on Periodic Solutions of Hamilton-Jacobi Equations H. Ishii and H. Mitake; Asymptotic Expansion Method for Local Volatility Models N. Ishimura and K. Nishida Recent Developments on Maximum Principle for LP-Viscosity Solutions of Fully Nonlinear Elliptic/Parabolic PDEs s. KoikeMultiscale Modeling of Electrical Activities of the Heart C.-P. Lo, H.-C. Tien, D. Lee and C.-H. Chang; Symmetry Properties of Positive Solutions of Parabolic Equations: A Survey P. Polacik; Travelling Pulse Waves Non-Vanishing at Infinity for the Derivative Nonlinear Schrodinger Equation K. Imamura

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Sommario/riassunto

This book consists of survey and research articles expanding on the theme of the "International Conference on Reaction-Diffusion Systems and Viscosity Solutions", held at Providence University, Taiwan, during January 3-6, 2007. It is a carefully selected collection of articles representing the recent progress of some important areas of nonlinear partial differential equations. The book is aimed for researchers and postgraduate students who want to learn about or follow some of the current research topics in nonlinear partial differential equations. The contributors consist of international exp
