

Contents

Persistence of Periodic Orbits for Perturbed Dissipative Dynamical Systems.....	1
Jack K. Hale and Geneviève Raugel	
Spectral Theory for Forward Nonautonomous Parabolic Equations and Applications.....	57
Janusz Mierczyński and Wenxian Shen	
A Dynamical Systems Approach to Traveling Wave Solutions for Liquid/Vapor Phase Transition.....	101
Haitao Fan and Xiao-Biao Lin	
Instability of Radially-Symmetric Spikes in Systems with a Conserved Quantity.....	119
Alin Pogan and Arnd Scheel	
Global Hopf Bifurcation Analysis of a Neuron Network Model with Time Delays.....	141
Michael Y. Li and Junjie Wei	
Instability of Low Density Supersonic Waves of a Viscous Isentropic Gas Flow Through a Nozzle.....	169
Weishi Liu and Myunghyun Oh	
A Simple Proof of the Stability of Solitary Waves in the Fermi-Pasta-Ulam Model Near the KdV Limit.....	185
A. Hoffman and C. Eugene Wayne	
Littlewood Problem for a Singular Subquadratic Potential.....	193
Xiong Li and Yingfei Yi	
Semiflows for Neutral Equations with State-Dependent Delays.....	211
Hans-Otto Walther	

Threshold Dynamics of Scalar Linear Periodic Delay-Differential Equations	269
Yuming Chen and Jianhong Wu	
Differential Equations with Random Delay	279
S. Siegmund and T.S. Doan	
Beyond Diffusion: Conditional Dispersal in Ecological Models	305
Chris Cosner	
Global Attractor of a Coupled Two-Cell Brusselator Model	319
Yuncheng You	
Projectors on the Generalized Eigenspaces for Partial Differential Equations with Time Delay	353
Arnaut Ducrot, Pierre Magal, and Shigui Ruan	
Global Convergence in Monotone and Uniformly Stable Recurrent Skew-Product Semiflows	391
Yejuan Wang and Xiao-Qiang Zhao	
The Infinite Hierarchy of Elastic Shell Models: Some Recent Results and a Conjecture	407
Marta Lewicka and Mohammad Reza Pakzad	
Traveling Wavefronts in Lattice Differential Equations with Time Delay and Global Interaction	421
Shiwang Ma and Xingfu Zou	
Bifurcation of Limit Cycles from a Non-Hamiltonian Quadratic Integrable System with Homoclinic Loop	445
Yulin Zhao and Huaiping Zhu	
Anomalous Diffusion in Polymers: Long-Time Behaviour	481
Dmitry A. Vorotnikov	

Infinite Dimensional Dynamical Systems

Mallet-Paret, J.; Wu, J.; Yi, Y.; Zhu, H. (Eds.)

2013, VIII, 496 p. 16 illus., Hardcover

ISBN: 978-1-4614-4522-7