



JOURNAL OF DIFFERENTIAL EQUATIONS

Editors-in-Chief

Alberto Bressan
Shui-Nee Chow
John Mallet-Paret
W.-M. Ni

Founding Editors

Jack K. Hale
J. P. LaSalle

Editorial Board

Henri Berestycki	Denis Serre
Alexandre Carvalho	Walter Strauss
Courtney Coleman	Roger Temam
Adrian Constantin	C. Eugene Wayne
Eduard Feireisl	Juncheng Wei
Avner Friedman	Sijue Wu
Yuan Lou	Yingfei Yi
Kening Lu	Chongchun Zeng
Robert McCann	Enrique Zuazua
Konstantin Mischaikow	

CONTENTS

Yongsheng Mi and Chunlai Mu. On the solutions of a model equation for shallow water waves of moderate amplitude 2101

Francesco Calogero. A linear second-order ODE with only polynomial solutions 2130

Kwangseok Choe, Jongmin Han, Chang-Shou Lin, and Tai-Chia Lin. Uniqueness and solution structure of nonlinear equations arising from the Chern–Simons gauged $O(3)$ sigma models. 2136

Huyuan Chen and Patricio Felmer. On Liouville type theorems for fully nonlinear elliptic equations with gradient term 2167

Luc Molinet and Yuzhao Wang. Dispersive limit from the Kawahara to the KdV equation 2196

Ying Guo and Jun Yang. Concentration on surfaces for a singularly perturbed Neumann problem in three-dimensional domains 2220

Wenden Charles, J.A. Soriano, Flávio A. Falcão Nascimento, and J.H. Rodrigues. Decay rates for Bresse system with arbitrary nonlinear localized damping 2267

Bing Xie and Jiangang Qi. Non-real eigenvalues of indefinite Sturm–Liouville problems 2291

Seunghyeok Kim and Angela Pistoia. Boundary towers of layers for some supercritical problems 2302

Giuseppina Autuori and Patrizia Pucci. Elliptic problems involving the fractional Laplacian in \mathbb{R}^N 2340

S. Prashanth, Sanjiban Santra, and Abhishek Sarkar. On the perturbed Q -curvature problem on \mathbb{S}^4 2363

Alberto Bressan. Extremal solutions of differential inclusions via Baire category: A dual approach 2392

Slawomir Michalik. Corrigendum to “On the multisummability of divergent solutions of linear partial differential equations with constant coefficients” [J. Differential Equations 249 (3) (2010) 551–570] 2400

Continued on inside back cover

Abstracted/Indexed in Mathematical Reviews, Science Citation Index Thomson Scientific, Compu-math Citation Index, Zentralblatt MATH, Current Contents: (PC & ES). Also covered in the abstract and citation database SciVerse Scopus®. Full text available on SciVerse ScienceDirect®.

For a full and complete Guide for Authors please visit <http://www.elsevier.com/locate/yjdeq>

The Journal of Differential Equations has no page charges.



Xiongxiong Bao and Zhi-Cheng Wang. Existence and stability of time periodic traveling waves for a periodic bistable Lotka–Volterra competition system.....	2402
M.C. Bortolan, T. Caraballo, A.N. Carvalho, and J.A. Langa. Skew product semiflows and Morse decomposition.....	2436
Lirong Huang, Eugénio M. Rocha, and Jianqing Chen. Two positive solutions of a class of Schrödinger–Poisson system with indefinite nonlinearity.....	2463
Qi Lü. Exact controllability for stochastic Schrödinger equations.....	2484
Nakao Hayashi, Pavel I. Naumkin, and Tomoyuki Niizato. Asymptotics of solutions to the generalized Ostrovsky equation.....	2505
Constantine M. Dafermos. BV solutions for hyperbolic systems of balance laws with relaxation	2521
Jijiang Sun and Shiwang Ma. Multiple periodic solutions for lattice dynamical systems with superquadratic potentials.....	2534