



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
Alexandre Carvalho
Courtney Coleman
Adrian Constantin
Eduard Feireisl
Avner Friedman
Yuan Lou
Kening Lu
Robert McCann
Konstantin Mischaikow

Denis Serre
Walter Strauss
Roger Temam
C. Eugene Wayne
Juncheng Wei
Sijue Wu
Yingfei Yi
Chongchun Zeng
Enrique Zuazua

CONTENTS

Hongying Shu, Lin Wang, and Jianhong Wu. Global dynamics of Nicholson's blowflies equation revisited: Onset and termination of nonlinear oscillations..... 2565

Sergio Frigeri, Maurizio Grasselli, and Pavel Krejčí. Strong solutions for two-dimensional nonlocal Cahn–Hilliard–Navier–Stokes systems 2587

Chuan-Fu Yang. Uniqueness theorems for differential pencils with eigenparameter boundary conditions and transmission conditions 2615

Adam Larios, Evelyn Lunasin, and Edriss S. Titi. Global well-posedness for the 2D Boussinesq system with anisotropic viscosity and without heat diffusion 2636

A. Gasull, H. Giacomini, S. Pérez-González, and J. Torregrosa. A proof of Perko's conjectures for the Bogdanov–Takens system..... 2655

Alessia Ascanelli and Chiara Boiti. Cauchy problem for higher order p -evolution equations..... 2672

Florin Diacu and Shima Kordlou. Rotopulsators of the curved N -body problem..... 2709

Paul A. Binding, Patrick J. Browne, and Bruce A. Watson. Eigencurves of non-definite Sturm–Liouville problems for the p -Laplacian..... 2751

Junyu Lin. Regularity of solutions to the liquid crystal flows with rough initial data..... 2778

Yanfeng Gao. Blow-up for the focusing $\dot{H}^{1/2}$ -critical Hartree equation with radial data 2801

Yifei Pan, Mei Wang, and Yu Yan. A Hopf lemma for higher order differential inequalities and its applications..... 2826

Ben Cox, Vyacheslav Futorny, and Juan A. Tirao. DJKM algebras and non-classical orthogonal polynomials 2846

Fabio Nicola and Luigi Rodino. Global regularity for ordinary differential operators with polynomial coefficients 2871

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 Scopus®. Full text available on 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.



Continued from outside back cover

Gang Wu and Xiaoxin Zheng. Global well-posedness for the two-dimensional nonlinear Boussinesq equations with vertical dissipation.....	2891
Paolo Baroni. Lorentz estimates for degenerate and singular evolutionary systems	2927
Hui Liu and Yiming Long. Resonance identity for symmetric closed characteristics on symmetric convex Hamiltonian energy hypersurfaces and its applications	2952