

# ANNALS OF APPLIED MATHEMATICS

Vol. 35 No. 2

## Contents

Some Problems in Radiation Transport Fluid Mechanics and Quantum Fluid Mechanics .....	Boling Guo, Jun Wu (111)
The Qualitative Analysis of A Two Species Amensalism Model with Non-monotonic Functional Response and Allee Effect on Second Species .....	Xinyu Guan, Hang Deng (126)
Note on the Stability Property of the Vanishing Equilibrium Point of An Ecological System Consisting of A Predator and Stage Structure Prey .....	Xiaoyan Huang, Fengde Chen (139)
A Blow-up Result for A Class Doubly Nonlinear Parabolic Equations with Variable-exponent Nonlinearities .....	Qingying Hu, Donghao Li, Hongwei Zhang (145)
Asymptotic Eigenvalue Estimation for A Class of Structured Matrices .....	Juan Liang, Jiangzhou Lai, Qiang Niu (152)
The Cauchy Problems for Dissipative Hyperbolic Mean Curvature Flow .....	Shixia Lv, Zenggui Wang (159)
Global Existence of Mild Solutions for the Elastic System with Structural Damping .....	Wei Shi (180)
Hypercyclic Multiplication Composition Operators on Weighted Banach Space ...	Cui Wang, Huijiang Lu (189)
Existence of Periodic Solution for A Kind of $(m, n)$ -order Generalized Neutral Differential Equation .....	Shaowen Yao (197)
Multiplicity of Positive Solutions to A Class of Multi-point Boundary Value Problem .....	Bao Zhao, Yunrui Yang, Yonghui Zhou (212)