

# TABLE OF CONTENTS

## 目 录

一类非线性三阶奇摄动边值问题解的存在性和渐近估计 <b>Existence and Asymptotic Estimates of Solutions for a Class of Nonlinear Third-Order Singularly Perturbed Boundary Value Problems</b> 张瑞燕.....979	979
二维线性传输方程满足两个守恒律的数值格式 <b>The Numerical Scheme Satisfying Two Conservation Laws for Two Dimensional Linear Advection Equations</b> 唐静文, 崔艳芬.....990	990
基于加权 Schatten- $\frac{1}{2}$ 范数的低秩矩阵近似算法 <b>Weighted Schatten-<math>\frac{1}{2}</math> Norm Minimization for Low-Rank Matrix Approximation</b> 王素, 顾颖菁, 袁泉.....998	998
一类 $k$ -Hessian 方程正径向解的存在性 <b>The Existence of Positive Radial Solutions for a Class of <math>k</math>-Hessian Equation</b> 岳存燕.....1010	1010
一类 Finsler 子流形的研究 <b>The Study of a Class of Finsler Submanifolds</b> 晏文.....1020	1020
五阶偏微分方程的时间多区域时空谱方法 <b>Multi-Domain Space-Time Spectral Method in Time for Solving Fifth-Order Partial Differential Equation</b> 余荣玉.....1031	1031
一类分数阶三点边值问题解的存在性 <b>Existence of Solutions for a Class of Fractional Three-Point Boundary Value Problems</b> 李雯婧.....1048	1048
一类与分数阶 $p$ -Laplace 算子相关的重排优化问题 <b>An Optimization Problem Involving the <math>p</math>-Fractional Laplacian</b> 邱崇.....1055	1055
基于公路交通量的最佳乘车方案研究与设计 <b>Research and Design of the Best Ride Scheme Based on Road Traffic Volume</b> 赵尔波, 欧成富, 姜宏生, 游兴中.....1062	1062

带积分边界条件的非线性二阶常微分方程多个正解的存在性 <b>Existence of Multiple Positive Solutions for Nonlinear Second-Order Ordinary Differential Equations with Integral Boundary Conditions</b>	
康慧君.....	1067
亚纯函数与其导数分担两个公共值的唯一性 <b>Meromorphic Functions and Their Derivatives Share the Uniqueness of Two Common Values</b>	
林薇, 谭艳.....	1076
一类序参数守恒的相场模型的弱解存在性 <b>Existence of Weak Solutions for a Class of Phase-Field Models with Conservation of Order Parameter</b>	
赵雅楠, 边行之, 于磊.....	1084
半群的 $L$ -模糊理想 <b><math>L</math>-Fuzzy Ideals of Semigroups</b>	
李倩倩.....	1103
$r$ 个点并圈的补图的色等价图类 <b>The Chromatic Equivalence Classes of the Complements of Union Graphs of <math>r</math> Vertices and a Cycle</b>	
李丹阳, 马海成.....	1112
$p$ -Laplacian 混合边值问题径向凸解的存在性 <b>Existence of Radial Convex Solutions for Mixed Boundary Value Problem of <math>p</math>-Laplacian</b>	
赵亚丽, 陈天兰.....	1121
平均曲率型方程的全局梯度估计 <b>Global Gradient Estimate of the Mean Curvature Type Equation</b>	
阿迪莱·玉苏普, 韩菲, 马春梅.....	1130
组合恒等式证明的几种方法 <b>Several Methods for Proving Combinatorial Identities</b>	
郑欢欢, 靳海涛.....	1137
具有对抗性节点的多智能体系统的固定时间准包围控制 <b>Fixed-Time Quasi-Containment Control of Multi-Agent Systems with Antagonistic Nodes</b>	
石杰鹏, 刘宏亮, 欧阳自根, 彭湘凌.....	1146
无限滞后测度泛函微分方程的 $\Phi$ 有界变差解 <b>Bounded <math>\Phi</math>-Variation Solutions for Measure Functional Differential Equations with Infinite Delay</b>	
丁利波, 李宝麟.....	1156

<b>Karcher 均值算法在动作识别上的应用</b> <b>The Application of Karcher Mean Algorithm in Action Recognition</b> 赵倩, 叶震, 周朝政.....	1166
<b>三阶微分方程周期边值问题的正解</b> <b>Positive Solutions to Periodic Boundary Value Problems of Third-Order Differential Equations</b> 郑欣.....	1181
<b>正项级数的达朗贝尔(D'Alembert)判别法的推广及应用</b> <b>Generalization on D'Alembert Test of Positive Series and Its Application</b> 张传芳, 沈祖沛.....	1202
<b>一类二阶非线性微分系统正解的存在唯一性</b> <b>Existence and Uniqueness of Positive Solutions for a Class of Second-Order Nonlinear Differential Systems</b> 杨阳.....	1211
<b>G-Brown 运动驱动的脉冲随机泛函微分方程的指数稳定性</b> <b>Exponential Stability of Impulsive Stochastic Functional Differential Equations Driven by G-Brownian Motion</b> 王吉平, 李光洁.....	1221
<b>肿瘤生长的相场模型解的性质</b> <b>Solutions of a Phase-Field Model for Tumor Growth</b> 孙李丹.....	1230
<b>广义酉除数和函数在函数域上的均值</b> <b>The Average Value of Generalized Unitary Divisor Sum Function in Function Fields</b> 牛威.....	1242
<b>平方根功能反应捕食者 - 食饵模型的 Hopf 分支</b> <b>Hopf Bifurcation of the Square Root Functional Response Predator-Prey Model</b> 吕文娟, 孙芳娟.....	1250
<b>多元多项式因式分解</b> <b>Multivariate Polynomial Factorization</b> 吕东旭.....	1257