

TABLE OF CONTENTS

目 录

对“水仙花数”的研究

Study on the “Narcissistic Number”

张少华, 秦进.....2115

欧氏空间中完备自收缩子的刚性定理

A Rigidity Theorem for Complete Self-Shrinkers in the Euclidean Space

曹顺娟.....2123

含 Pell 与 Pell-Lucas 数之积的斜循环矩阵的行列式及其性质

Determinants and Properties of Skew Circulant Matrices Involving the Product of Pell Numbers and Pell-Lucas Numbers

李笑丽, 何承源, 雷林.....2129

基于热传导方程的最优速度模型

The Optimal Velocity Model Based on the Heat Conduction Equation

李一鸣.....2139

基于多元回归模型的山西省社会保障水平影响因素研究

Study on the Influence Factors of Social Security in Shanxi Province Based on the Multiple Regression Model

王汉哲.....2145

基于弱社团定义的社团划分模型与算法

Model and Algorithm of Community Division Based on Weak Community Definition

李文静, 高彩霞.....2153

带时间窗口的单工件排序问题

The Scheduling Problem of Single Job with Time Windows

刘敏, 曹庭锴, 张同全.....2161

变系数异方差模型的贝叶斯分析

Bayesian Analysis of Varying Coefficient Heteroscedastic Models

许芳忠, 徐登可.....2166

数学的一些哲学观点

Some Philosophical Views on Mathematics

王巧纳, 冯立超, 张春艳.....2176

基于 ϵ -SVR 的近红外无创血糖浓度回归预测研究Regression Prediction of Non-Invasive Blood Glucose Concentration Based on ϵ -SVR

王朱宇, 杨新佳, 周林华, 马文联.....2181

铁路货运通道上的分组列车编组计划优化方法研究**Research on Optimization Method of Multi-Block Train Formation Plan on Railway Corridor**

魏旭琴, 梁东岳, 杨卫华.....2188

矩阵代数上的 2-局部 Lie 导子**2-Local Lie Derivations on Matrix Algebras**

高永兰, 安润玲.....2199

基于快速正弦离散变换的有限差分方法求解半线性抛物型方程**Finite Difference Method for Solving Semi Linear Parabolic Equations Based on Fast Discrete Sine Transform**

刘昊, 张荣培, 霍俊蓉.....2209

关于圆锥曲面的光滑拼接问题研究**Research on Smooth Conic Surface Splicing Problem**

贾为兴, 李雪, 崔利宏.....2217

高维传染病模型的 Lyapunov 函数构造**Lyapunov Functions for Higher-Dimensional Epidemiological Models**

栾培译, 李静.....2222

有限差分与人工神经网络方法求解偏微分方程解对比及定性分析**Comparison and Qualitative Analysis of Solutions of Partial Differential Equations by Finite Difference Method and Artificial Neural Network Method**

殷图源, 魏大盛, 王海辉.....2228

基于多项式插值的有限差分法求解 Helmholtz 方程透射特征值问题**Solving the Transmission Eigenvalue Problem of Helmholtz Equation by Finite Difference Method Based on Polynomial Interpolation**

李悠然, 潘文峰.....2236

BKW 算法求解多元含错方程组**BKW Algorithm Solve Fault-Tolerant Equations**

王艺航, 梁天元.....2244

基于方向导数的非线性资产投资模型解的性质**A Nonlinear Asset Investment Model Based on Directional Derivatives and the Properties of Its Solutions**

孔凡亮, 陈星, 徐加波.....2256

联想类比在近世代数中的应用**The Application of Associative Analogy in Modern Algebra**

李一鸣.....2263

基于 DEMATEL 的养老服务政策执行效果关键影响因素识别研究**Study on the Identification of Key Influential Factors during the Implementation of the Old-Age Policy Based on DEMATEL**

赵子青, 栾东庆, 张维行.....2267

一类带有毒素生产和可变营养消耗率的恒化器模型的稳定性分析

Stability Analysis of a Variable Yield Chemostat Model with Toxins

张丹, 董庆来.....2277

 p -Huber 损失函数及其鲁棒性研究 p -Huber Loss Functions and Its Robustness

俞搏天.....2283

基于量子 Daubechies $D^{(4)}$ 小波的图像水印算法Quantum Image Watermarking Algorithm Based on Daubechies $D^{(4)}$ Wavelet Transform

孙师阳, 李万社.....2292

一类带 p -Laplacian 算子的分数阶微分方程边值问题正解的存在性Existence of Positive Solutions for Boundary Value Problem of Fractional Differential Equations with p -Laplacian Operator

段佳艳, 王文霞, 郭晓珍.....2301

以磁纳米粒子为热源的分数阶双相滞后热传输

Fractional Order Dual-Phase-Lag Heat Transfer with Magnetic Nanoparticles as Heat Source

赵娟霞, 菅永军.....2308

官方媒体影响下的随机谣言传播模型

Stochastic Rumor Propagation Model under the Influence of Official Media

胡悦, 胡良剑.....2317

基于幂函数与指数函数组合的洛伦兹曲线模型

Lorenz Curve Model Based on Exponent Combination of Power Function and Exponential Function

丁善华, 蒙璐.....2329

Kirchhoff 型方程变号解的存在性

Existence of Nodal Solutions for Kirchhoff Type Equations

张韶英, 滕凯民.....2333

柯布 - 道格拉斯生产函数在经济学的综述

A Summary of the Application of Cobb Douglas Production Function in Economics

黄琪, 易欢.....2353

无车承运人平台承运线路的定价问题

Pricing Issues of Carriage Routes on Car-Free Carrier Platforms

刘昊, 孙橘贺, 陈莹, 郑梦迪.....2358

基于优化模型的中小微企业信贷策略研究

Research on Credit Strategy of Micro, Small and Medium Enterprises (MSME) Based on Optimization Model

高婕, 李煜, 脱怡.....2366