

TABLE OF CONTENTS

目 录

食饵具有扩散和恐惧效应的捕食 – 食饵模型的稳定性分析

Stability Analysis of Predator-Prey Model with Dispersal and Fear Effect

刘婷婷, 陈丽娟, 朱紫睿.....3601

N 维空间中弱导数的一些性质

Some Properties of Weak Derivative in N -Dimensional Space

廖玲蓝, 邵建鑫, 刘红霞.....3613

一类代数图的 Cayley 性

Cayley Properties of a Class of Algebraic Graphs

杨富元, 章超.....3618

求解复对称线性系统的改进 EPGS 迭代法

Improved EPGS Iterative Method for Solving Complex Symmetric Linear Systems

隆雪琴, 张乃敏.....3623

社会治理效能是否能提升居民幸福感

Whether the Efficiency of Social Governance Can Improve Residents' Happiness

陈少艾.....3632

红松鼠种群保护状态反馈脉冲控制第二类模型研究

Study on the Second Model of State Feedback Impulsive Model of Red Squirrel Protection

王烁烁.....3640

一类具 P -Laplacian 算子的分数阶奇异微分方程反周期边值问题解的存在性与唯一性

Existence and Uniqueness on Solutions for Anti-Periodic Boundary Value Problems of Singular Fractional Differential Equations with P -Laplacian Operator

张婷婷, 胡卫敏.....3650

基于 PCA 的土壤含水量高光谱反演模型比较研究

Comparison of Hyperspectral Soil Water Content Inversion Models Based on PCA

张磊, 汪泓, 董俊红, 肖玖军, 贾煜.....3659

代数曲面对应多项式的质公因子存在性研究

Research on Existence of Common Prime Factors of Polynomial Corresponding to Algebraic Surface

张敬, 宋文建, 崔利宏.....3668

G -Brown 运动驱动的非线性随机泛函微分方程解的存在唯一性

The Existence and Uniqueness of Solutions to Nonlinear Stochastic Functional Differential Equations Driven by G -Brownian Motion

梁伟生, 苏华燕, 李光洁.....3673

基于 GM(1,1)模型的上海市婴幼儿死亡率预测分析**Prediction of Infant Mortality Rate in Shanghai Based on GM(1,1) Model**

张尚文.....3679

谱正 Lévy 过程下的 Ratchet 分红策略与 Barrier 策略的混合研究**Mixed Research on Ratchet Dividend Strategy and Barrier Strategy under Positive Lévy Process**

刘海晓, 吕玉华.....3687

具有先序约束的平行机排序问题**Parallel Machine Scheduling Problem with Precedence Constraints**

陈雪, 廖礼琴, 张同全.....3693

Dirichlet 空间上 H-Toeplitz 算子的交换性**Commutants of H-Toeplitz Operators on Dirichlet Space**

李孟珂.....3699

流固振动 Laplace 模型的有限元局部并行方案**Local and Parallel Finite Element Algorithms to Solve Laplace Model for Fluid-Solid Vibrations**

梁杨.....3712

基于多面函数的环渤海区域地壳水平运动速度场模拟**Simulation of Velocity Field of Horizontal Crustal Movement around the Bohai Sea Based on Polyhedral Function**

Phoumilay, 张俊, 王春霞.....3727

测绘卫星三线阵 CCD 相机定位误差分析**The Positioning Error Analysis of the Three-Line CCD Camera on Mapping Satellite**

王亚锋, 徐伯健, 郭飞.....3735

对共同年龄效应模型的研究及中国应用**Research on the Common Age Effect Model and Its Application in China**

肖鸿民, 李芳芳, 赵苗苗.....3743

关于大学生消费的演化博弈分析**An Evolutionary Game Analysis of College Students' Consumption**

王江南, 丘小玲.....3758

毒素环境中具有 Allee 效应的双状态反馈脉冲控制捕食系统的定性分析**Qualitative Analysis of a Prey-Predator System with State Feedback Bilateral Impulsive Control and Allee Effect in Toxic Environment**

史明静, 赵艺, 张蒙.....3770

基于稳定相关系的超高维筛选研究**Feature Screening for Ultra-High Dimensional Data Based on Stable Correlation Coefficient**

闫习.....3777

随机约束 Liu 回归的局部影响分析

Local Influence Analysis for the Liu Regression under Stochastic Linear Restrictions

田维琦, 王孟孟, 郑智泉.....3783

加权非凸非光滑低秩矩阵填充

Weighted Nonconvex Nonsmooth Low-Rank Matrix Completion

尚紫微, 张军.....3796

Bootstrap 模型平均置信区间

Model-Averaged Bootstrap Confidence Interval

郭庆光, 李新民.....3802

我国网民运用新媒体平台政治参与度的影响因素研究

Research on the Influencing Factors of Chinese Netizens' Political Participation in the Use of New Media Platforms

余康慧.....3811

基于动态数组的加法器重写优化算法

Adder Rewriting Optimization Algorithm Based on Dynamic Array

张小盈, 吕妍颖, 江建国.....3819

基于灰色关联度分析和 GRU 神经网络的辽宁省 GDP 预测

GDP Prediction of Liaoning Province Based on Grey Correlation Analysis and GRU Neural Network

扈文.....3828

加权 Bergman 空间到 Bloch 空间的 Volterra 积分算子

Volterra Type Operators from Weighted Bergman Space to the Bloch Space

王尔敏, 许家家.....3835

上海市城乡居民个人医疗支出预测及影响因素研究

Prediction and Influencing Factors of Personal Medical Expenditure of Urban and Rural Residents in Shanghai

周沛雯.....3841

稀疏相位检索问题的光滑化方法研究

Research on Smoothing Method for Sparse Phase Retrieval Problems

刘晓佳, 彭定涛.....3850

EM 聚类分析法在大数据时代的应用

Application of EM Clustering in the Era of Big Data

周志慧, 刘瑞银, 杜欢.....3865

重大疫情下公众参与、政府监管与防疫物资谣言治理演化博弈研究

Research on Evolutionary Game of Public Participation, Government Supervision and Epidemic Prevention Materials Rumor Governance under Major Epidemic Situation

贺新年.....3873

基于余弦 Softmax 损失的说话人验证研究**Speaker Verification Analysis Based on Cosine Softmax Loss**

谢旗旺, 周林华.....3883

青年流动人口迁移意愿研究——基于社会融入视角**Research on the Migration Willingness of Young Floating Population—Based on the Perspective of Social Integration**

章全萍.....3890

2013~2019 年浙江省城乡居民个人卫生支出研究**Study on Personal Health Expenditure of Urban and Rural Residents in Zhejiang Province from 2013 to 2019**

谢婷文.....3897

基于正交投影的部分线性空间自回归模型稳健估计**Orthogonal Projection Based Robust Estimation of Partial Linear Spatial Autoregressive Model**

张帆, 赵培信.....3904

次黎曼流形上的次椭圆调和映射梯度估计**Gradient Estimate of Subelliptic Harmonic Maps on Sub-Riemannian Manifolds**

邹文婷.....3912

具有脉冲的混合时滞 Hopfield 神经网络的全局渐近稳定性**Global Asymptotic Stability of Hopfield Neural Networks with Mixed Delays and Impulses**

张雪莹, 陈展衡.....3923

基于 MSSOR 求解信号恢复问题的 ADMM 算法**ADMM Algorithm for Solving Signal Recovery Problem Based on MSSOR**

袁月, 宇振盛.....3932

基于 Lasso 回归的空气净化治理影响因素分析及治理绩效评价方法**Lasso Regression Based Analysis on Influence Factors of Air Pollution Control and Governance Performance Evaluation Method**

唐新蓉, 赵培信.....3942

基于改进密度聚类的用气异常检测**Anomaly Detection of Industrial Gas Load Based on Improved Density Clustering**

张梦园, 彭定涛, 胡殿涛.....3952

 G 与 K_2 的联图的局部反魔幻着色数**The Local Antimagic Chromatic Number of the Join Graphs $G \vee K_2$**

杨雪, 边红, 于海征.....3962

 α -稳定模型驱动的线性自吸引扩散过程中参数的最小二乘估计**Least Squares Estimation for the Linear Self-Attracting Diffusion Driven by α -Stable Motions**

陈香小, 陆允生, 闫理坦.....3969

吉林省城乡居民个人医疗支出比例及未来影响研究

Study on the Proportion and Future Impact of Individual Medical Expenditure of Urban and Rural Residents in Jilin Province

仲之豪.....3983

重庆市城乡居民个人医疗负担特点及预测研究

Characteristics and Prediction of Personal Medical Burden of Urban and Rural Residents in Chongqing

张志雨.....3990

贵州省医疗卫生支出效率及影响因素分析

Analysis on the Efficiency and Influencing Factors of Medical and Health Expenditure in Guizhou Province

熊乃儋.....3997

基于 Hopfield 神经网络模型的验证码识别问题

Hopfield Neural Network Based Approach to Recognizing the Verification Code

张靖文, 林萍芝, 肖思佳, 王浩华.....4006

湖南省城乡居民个人医疗负担预测研究

Study on Prediction of Individual Medical Burden of Urban and Rural Residents in Hunan Province

王晨煜.....4017

基于 Lasso+分位数回归的上市保险公司市盈率微观影响因素分析

Analysis on the Microcosmic Affection Factors of the P/E Ratio of Listed Insurance Companies Based on Lasso+ Quantile Regression

张春梅, 赵明清, 姜丽慧.....4024

基于 AHP 和 DEA 模型的物流中心绩效评价

Performance Evaluation of Logistics Center Based on AHP and DEA Model

姜妍希, 张炳江.....4037

基于图运算的局部反魔幻着色数的研究

Research on the Local Antimagical Chromatic Number Based on Graph Operations

刘丹丹, 边红, 于海征, 魏丽娜.....4047

平面 $4 \cdot 8^2$ 格子图的消防员问题**The Firefighter Problem of Plane $4 \cdot 8^2$ Grids**

邢之尧, 边红, 于海征, 魏丽娜.....4056

基于三方博弈的大气污染治理模型及策略分析

Air Pollution Control Model and Strategy Analysis Based on Three-Party Game

赵嘉睿, 马国顺, 王艺婷.....4065

媒体活动对戒毒影响的 SIT 模型的定性分析

Qualitative Analysis of the SIT Model of Media Campaigns on Drug Rehabilitation

温今卓, 王晓云.....4077

岭估计在二次曲面高程拟合模型数据处理中的应用 The Application of Ridge Estimation in Data Processing of Quadric Surface Elevation Fitting Model 周彬, 杜宁, 黄筱, 刘开奋, 王沿儒.....	4087
基于 AHP 和熵权法对沈阳高校教师绩效的模糊综合评价研究 Research on Fuzzy Comprehensive Evaluation of College Teachers' Performance in Shenyang Based on AHP and Entropy Weight Method 李艳杰, 杨盛武.....	4094
在事件触发协议下线性多智能体系统的集员领导跟随一致性 Set-Membership Leader-Following Consensus of Linear Multiagent Systems under Event-Triggered Protocols 孙雷, 王靖雯, 陶家亮.....	4103
四川省艾滋病发病人数模型及预测 Model and Prediction of AIDS Incidence in Sichuan Province 李姣, 戴家佳.....	4114
球面射电望远镜主动反射面的形状调节算法 Shape Regulation Algorithm for the Active Reflection Surface of the Spherical Radio Telescope 罗建书, 刘雨菡, 王申洄, 刘玲.....	4123