

# TABLE OF CONTENTS

## 目 录

关于混凝土抗压强度的线性回归分析 <b>Linear Regression Analysis on the Compressive Strength of Concrete</b> 黄梅.....	3771
基于整体最小二乘法的点云线性拟合及比对方法研究 <b>Linear Fitting and Comparison Method of Point Cloud Based on Total Least Squares</b> 杨敏.....	3785
宽象限相依随机变量最大和与随机和的渐近尾概率 <b>Asymptotic Tail Probabilities of Maxima of Sums and Random of Sums for Widely Orthant Dependent Random Variables</b> 陈洋.....	3794
带 Hardy 项和一般非线性项分数阶椭圆方程的移动平面法 <b>The Method of Moving Planes for Fractional Order Elliptic Equations with Hardy and General Nonlinear Terms</b> 张晓亚.....	3804
基于退化抛物方程的期权漂移率反问题 <b>Inverse Problem of Option Drift Rate Based on Degenerate Parabolic Equations</b> 宋苗苗, 李湘, 程正祥.....	3814
球壳区域主特征值最小化问题研究 <b>Research on the Minimization Problem of Principal Eigenvalue in Spherical Shell Domain</b> 江梦萍.....	3826
具交叉扩散和弱 Allee 效应的反应扩散方程图灵斑图研究 <b>Turing Pattern Study of Reaction Diffusion Equations with Cross Diffusion and Weak Allee Effect</b> 郑加乐, 郑锦楠, 陈凯璇.....	3834
分数阶中立型四元数值神经网络的同步 <b>Synchronization of Fractional Order Neutral Quaternion Numerical Neural Networks</b> 王丽, 赵晴晴.....	3842
带有无限马尔可夫跳跃的离散系统 LQ 纳什博弈 <b>LQ Nash Games for Discrete Systems with Infinite Markov Jumps</b> 张春梅, 贾亚琪, 赵红霞, 何鑫, 陈柏江, 杨路.....	3851
$(x, u, v)$ -依赖噪声的离散时间平均场随机 $H_2/H_\infty$ 控制 <b>Discrete-Time Mean-Field Stochastic <math>H_2/H_\infty</math> Control with <math>(x, u, v)</math>-Dependent Noise</b> 贾亚琪, 张春梅, 杨路, 陈柏江.....	3860

异构非线性多智能体系统的一致性

**Consensus of Heterogeneous Nonlinear Multi-Agent Systems**

谢浩浩, 李超越, 贺鑫.....3872

求解双曲守恒律方程的 MUSCL-Hancock 熵相容格式

**MUSCL-Hancock Entropy Consistent Scheme for Solving Hyperbolic Conservation Laws**

陈柳诗, 封建湖, 王晴.....3886

基于免疫克隆的蚁狮算法及其桁架优化

**Antlion Algorithm Based on Immune Cloning and Its Truss Optimization**

吴悦.....3899

基于 S-V-PSAL 混合模型的股票预测研究

**Research on Stock Prediction Based on S-V-PSAL Mixed Model**

孙钰华, 吕卫东, 杜潇鉴.....3920

多项式性质及其应用

**Properties of Polynomial and Its Applications**

纪宏佳, 郑蕊, 王一婷.....3933

$\mathcal{O}$ -算子的二次上同调

**Secondary Cohomology of  $\mathcal{O}$ -Operators**

黄丹莉.....3945

基于分阶段 SEIAHRD 模型的传染病预测分析

**Prediction Analysis of Infectious Diseases Based on Staged SEIAHRD Model**

黄丽霞, 鲁延玲, 秦秀.....3954

基于误差修正的多模型融合空气质量预测

**Multi Model Fusion Air Quality Prediction Based on Error Correction**

李淑婷, 吕卫东, 朵俞霖.....3968

一类非光滑多目标分式优化问题的二阶最优性条件

**Second-Order Optimality Conditions for a Nonsmooth Multiobjective Fractional Optimization Problem**

康格格, 王海军.....3981

高维混合效应模型的统计推断: 一种新的方法

**Statistical Inference of High-Dimensional Mixed Effects Models: A New Approach**

赵宏媛.....3991

带有比例时滞的分数阶双向联想记忆神经网络的有限时间稳定

**Finite-Time Stability for Fractional-Order Bidirectional Associative Memory Neural Networks with Proportional Delay**

张杰.....3999

基于多模型融合的二手帆船价格评估模型

**Second-Hand Sailing Price Evaluation Model Based on Multi-Model Fusion**

曹子昂, 杨玉琦, 阳鹏程, 王明春.....4006

一类花图对应链环的 Jones 多项式 <b>Jones Polynomial of Links Corresponding to a Class of Flower Graph</b> 周雪.....	4013
无穷区间反常积分的积分变换计算方法 <b>The Method of Integral Transformation Calculation of Improper Integral in Infinite Interval</b> 程慧, 郭丰家, 韩萍, 何桂添.....	4024
金融科技对银行风险的影响 <b>The Impact of Fintech on Bank Risks</b> 于萌婷.....	4029
多状态生命表下居住方式对中国老年人健康预期寿命的影响研究 <b>Study on the Influence of Living Style on Healthy Life Expectancy of Chinese Older under Multistate Life Table</b> 曾翔, 温勇.....	4037
基于结构特征的三角函数有理式不定积分的解析与探究 <b>Analysis and Exploration of the Indefinite Integral of Rational Trigonometric Function Based on Structural Feature</b> 贾瑞玲, 孙铭娟, 文生兰.....	4049
个人特征、家庭特征、社会特征对个人幸福感的影响研究 <b>Research on the Influence of Personal Characteristics, Family Characteristics and Social Characteristics on Personal Happiness</b> 王博.....	4057
基于投影策略的改进在线非线性分类算法 <b>Improved Online Nonlinear Classification Algorithm Based on Projection Strategy</b> 孟依, 宋爱民.....	4066
浅水磁流体方程的高分辨率熵稳定格式 <b>High-Resolution Entropy Stable Scheme for Shallow Water Magnetohydrodynamics Equations</b> 王晴, 封建湖, 陈柳诗.....	4076
一种自适应选取步长的随机交替方向乘子法 <b>A Stochastic Alternating Direction Multiplier Method with Adaptive Step Selection</b> 李静, 薛丹.....	4090
基于图卷积神经网络的胃癌和结直肠癌的生存预测 <b>Survival Prediction of Gastric Cancer and Colorectal Cancer Based on Graph Convolutional Neural Networks</b> 路晓雯.....	4105
中国股市涨跌幅限制下的统计特性 <b>Statistical Properties of Price Limit Hits in the Chinese Stock Markets</b> 胡游柔.....	4112