

TABLE OF CONTENTS

目 录

飞机空中加油方案研究

Study on Aircraft In-Flight Refueling Scheme

李浩, 朱雯雯, 卢洋.....1351

基于信息扩散函数定权的抗差估计及其应用

Robust Estimation Based on Weighting of Information Spreading Model and Its Application

黄康钰, 张俊, 李屹旭.....1358

基于 XGBoost 算法的短期交通流预测

Short-Term Traffic Flow Prediction Based on XGBoost

刘伟, Subhash C. Bagui, 贾宏恩.....1364

基于混沌控制的结构可靠度算法

The Structural Reliability Algorithm Based on Chaos Control

李孟霞, 罗文强.....1377

具有浓度迁移率和对数势能的修正 Cahn-Hilliard 方程的有限元算法

Finite Element Method for the Modified Cahn-Hilliard Equation with the Concentration Mobility and the Logarithmic Potential

李亚楠, 王旦霞, 任永华.....1383

复流形上的 Weitzenböck 公式及 Gårding 不等式

The Weitzenböck Formula and Gårding Inequality on Complex Manifolds

黄晴, 杨秋花, 卢卫君.....1394

“X”型梯状图和“T”型梯状图的反强迫多项式

The Anti-Forcing Polynomials of “X” Type and “T” Type Ladderlike Graphs

王倩倩, 韩振云, 姚海元.....1404

线性方程组信息化求解的研究

Research on Informational Solution of Linear Equation Group

曾庆武.....1417

具有幂律非线性的(3 + 1)维 Zakharov-Kuznetsov 方程的行波解

Traveling Wave Solutions of the (3 + 1)-Dimensional Zakharov-Kuznetsov Equation with Power Law Nonlinearity

韦丽.....1426

三阶迭代函数方程的反转解

Reversible Solutions of 3-rd Iterative Equation

任河, 张萍萍.....1436

径向基函数插值中形状参数的选取方法

Selection of Shape Parameters in Radial Basis Function Interpolation

王鸿丽, 龚佃选, 王玲.....1444

基于统计学的大学生心理健康调查分析

An Analysis of College Students' Mental Health Based on Statistics

陶友凤, 梁建英, 陈垠桦, 李淳, 何应辉.....1456

Rikitake 双盘发电机模型的混沌行为分析与数值仿真

Chaotic Behavior Analysis and Numerical Simulation of Rikitake Two-Disk Generator Model

张熙, 王贺元.....1463

一类修正的共轭梯度法及其数值计算效果

A Kind of Modified Conjugate Gradient Method and Its Numerical Calculation Effect

陈秀芳, 李锋.....1469

一类水波方程的精确解

The Exact Solutions for a Class of Shallow Water Equation

李涛, 王艳红.....1479

带记忆项发展方程在 \mathbb{R}^n 上的适定性

Well-Posed for Evolution Equations with Memory Term on \mathbb{R}^n

李军, 张江卫.....1486

一类交叉非线性反应扩散方程组的数值模拟

Numerical Simulation of a Class of Cross Nonlinear Reaction-Diffusion Equations

班亭亭, 王玉兰.....1493

分数阶 Schrödinger-Poisson 系统正束缚态解的存在性

Existence of Positive Bound State Solutions for Fractional Schrödinger-Poisson System

闫云霞, 滕凯民, 崔艳丽.....1508

“互联网+”背景下关于大学生知识付费的影响因素分析

Analysis on the Influencing Factors of College Students' Payment for Knowledge under the Background of "Internet+"

王晓燕, 汪倩, 马俊祥.....1522

手机的订单预测模型

Mobile Phone Order Prediction Model

盛阳, 李贵灏, 韩康, 周佳明, 蒋雨龙, 王莉.....1529

Delannoy 类矩阵的行多项式的根

The Zeros of Row Polynomials of Delannoy-Like Matrix

邢媛媛, 林佳倩.....1534

基于排队论的机场出租车司机决策模型

Airport Taxi Driver's Decision Model Based on Queuing Theory

林渊豪, 方龙跃, 王聪珊.....1540

一类新的非线性分数阶微分方程多点边值问题的唯一解

Unique Solutions for a New Class of Multi-Point Boundary Value Problem of Nonlinear Fractional Differential Equations

邢高峰, 张玲玲.....1546

对多元复合函数偏导数求解的研究

Research on Solving Partial Derivatives of Multivariate Compound Functions

刘迪, 张江卫.....1556

时空分数阶的广义 b -方程组的精确解

Exact Solutions for the Generalized b -Family Equations with Fractional Time and Spatial Derivatives

易亚婷, 潘超红.....1565

基于二次多项式曲线模型的露天矿山生产成本分析

Analysis of Production Cost of Surface Mine Based on Quadratic Polynomial Curve Model

王超.....1572

半直线上 Kortewego-de Vries 方程的 Laguerre 谱配置方法

Generalized Laguerre Spectral-Collocation Method for KdV Equations on the Half Line

王其霞, 苗伊浩, 王天军.....1583

广义 Fornberg-Whitham 方程的某些非线性波解

Some Nonlinear Wave Solutions for the Generalized Fornberg-Whitham Equation

朱贇, 刘锐.....1589

AVC 系统电压预测及控制研究

Research on Prediction and Control of Voltage in AVC System

卢文浩, 余天伦, 杨立洪, 魏勇军, 刘有志, 李东旭, 胡杨.....1604

基于雅克比迭代算法室内温度分布问题的研究

Research on Indoor Temperature Distribution Based on Jacobi Iterative Algorithm

孔祥灿, 曾天祥, 杜斌, 金鑫.....1612

养老床位需求量预测模型

Forecasting Model for the Demand of the Old-Age Bed

佟萌萌.....1630

Cahn-Hilliard-Oono 方程在三维空间中的适定性

Well-Posedness of the Cahn-Hilliard-Oono Equation in Three-Dimensional Space

段芳, 蒲志林, 黄梅.....1645

条件梯度法求解非线性分裂可行问题

Solving Nonlinear Split Feasibility Problem via Conditional Gradient Method

宇振盛, 王子伦.....1652