

TABLE OF CONTENTS

目 录

Using Monotonicity and Limit to Judge the Positive and Negative of a Function
(利用单调性与极限判断函数的正负性)

X. H. TONG, Q. Q. YE.....423

The Price Momentum of Stock in Distribution and Its Empirical Tests
(分布意义下的股票价格动量及实证检验)

L. F. WANG, H. J. LIU.....426

Segmented Adomian Approximate Solution of Heterogeneous Aquifer Model of Groundwater Flow
(地下水水流区域上的异质含水层模型的分段 Adomian 近似解)

Y. WEN, S. YIN.....435

Multivariate Lagrange Interpolation Defined on Ellipsoidal Surface
(定义于椭球面上的多元 Lagrange 插值问题研究)

T. T. HUI, H. B. LIU, L. H. CUI.....442

The Research on the Influence of Community Opening on Road Capacity
(关于小区开放对道路通行影响的研究)

D. X. LI, K. J. LIANG, L. T. LI.....448

Multiscale Collocation Methods for Integral Equations
(求解积分方程的多尺度快速配置法)

X. J. LUO, L. J. LI, R. ZHANG.....456

The Method of Fundamental Solutions for Laplace Equation on Irregular Domain by Using MATLAB
(不规则区域上 Laplace 方程基本解方法的 MATLAB 实现)

K. SHAN, H. T. XIE, W. X. WANG, Y. K. DUAN, H. Y. LAO.....468

Research on Hopf Bifurcation of a 4D Hyperchaotic System
(一类四维超混沌系统的 Hopf 分岔研究)

Y. M. CHEN.....474

Application of Seemingly Unrelated Model in the Study of Food Production
(似乎不相关模型在粮食产量研究中的应用)

B. WANG, H. ZHANG.....481

The Time Setting Optimization Problem of Signal Lights of π Type Intersection
(兀型路口信号灯时间设置优化问题)

L. WANG, L. Y. ZHANG, N. N. ZHANG.....487

Formulas of the Length and Index for the Intersection of a Line and a Fixed**Grid in Three-Dimensional Space**

(直线与三维固定网格的交线长度与索引公式计算)

X. Y. ZHANG, C. F. WANG, X. D. YIN, Z. L. XU.....496

On the Maximal Eccentric Distance Sum of Tree

(树的最大离心距离和)

X. F. WU, X. G. CHEN.....504

The Study of the Correlation between Extreme Value and Mean Value of the**Student Achievement Based on Copula Function**

(基于 Copula 函数的学生成绩极值与均值的相关性研究)

H. CHANG, F. X. XU.....508

The Exp(-Φ(ξ)) Method for the Nonlinear Time Fractional Differential Equations

(非线性时间分数阶微分方程的 exp(-Φ(ξ))解法)

Y. D. WANG, X. D. ZHANG.....515

The Global Existence and Blow-Up Conditions for a Class of Nonlinear**Degenerate Hyperbolic Equation**

(一类非线性退化双曲方程解的整体存在性和爆破的条件)

J. L. ZHU.....523

Research on the Scheduling of Micro-Grid

(微电网日前优化调度的研究)

Y. WU, C. XU, Z. JIANG.....529

Multivariate Lagrange Interpolation Defined on Hyperboloid

(定义于双叶双曲面上的多元 Lagrange 插值问题)

H. B. LIU, T. T. HUI, L. H. CUI.....547

The Design of Single Point Mooring System with Nonlinear Finite Element Method

(基于非线性有限元方法的单点系泊系统的优化设计研究)

S. MIAO, J. Y. WU, R. R. ZHANG, Z. ZHANG.....553

The Financial Early Warning Model of Listed Companies Based on Lasso**Method and Logistic Regression**

(基于 Lasso 方法与 Logistic 回归的上市公司财务预警分析)

L. QIN, Y. J. JIN, Z. X. YU.....572

Model for Detecting QTL Controlling for Dynamic Trait Based on B-Spline Function

(检测控制奶牛动态性状的 QTL 方法研究——基于 B 样条插值函数)

X. J. ZHOU, Q. Y. HE, Q. S. ZHANG, M. FANG, L. YAN, Y. Y. LI, Q. LI.....583

Numerical Inversion for the Fractional Order in the Variable-Order**Space-Fractional Diffusion Equation**

(变空间分数阶扩散方程微分阶数的数值反演)

D. LIU, S. X. WANG.....589

**A Regional Water Supply Capacity Based on the Nonlinear Fitting of Projection Pursuit Model
and Accelerating Genetic Algorithm by Logistic Regression Analysis**

(基于非线性拟合投影寻踪模型和加速遗传算法通过 Logistic 回归分析一个地区供水能力)

J. Y. WU, S. MIAO, R. R. ZHANG, Z. ZHANG.....599

**Well-Balanced Central Discontinuous Galerkin Methods for the Nonlinear
Shallow Water Equations**

(非线性浅水波方程的保持平衡的中心间断伽辽金法)

A. M. CHEN, M. J. LI.....611

New Explicit Traveling Wave Solutions of RLW-Burgers Equation

(RLW-Burgers 方程的新显式行波解)

X. WANG.....619

Special Linear Group $SL(2,R)$ of Finite Abelian Subgroup

(特殊线性群 $SL(2,R)$ 的有限 Abelian 子群)

C. H. JIANG, C. L. DUAN.....627

On Numerical Solution of the Memory Dependent Partial Differential Equations

(记忆依赖型偏微分方程数值解研究)

W. W. SUN, J. L. WANG.....637

Numerical Algorithm for a Class of Fredholm Integro-Differential Boundary Value Problems

(一类 Fredholm 积分微分方程边值问题的数值方法)

Y. F. ZHOU, L. H. MU, J. H. LI, L. J. MA.....644

Optimization of Preconditioner in Conjugate Gradient Method

(共轭梯度法中预条件子的优化)

C. Z. GUO.....651