

TABLE OF CONTENTS

目 录

Multivariate Lagrange Interpolation Defined on Parabolic Cylinder
(定义于抛物柱面上的多元 Lagrange 插值问题)

F. LIU, N. ZHAO, L. H. CUI.....1039

Multivariate Lagrange Interpolation Defined on Saddle Surface
(定义于马鞍面上的多元 Lagrange 插值)

N. ZHAO, F. LIU, L. H. CUI.....1045

Automated Verification of Equivalence of Two Group Definitions Based on Alloy
(基于 Alloy 的两个群定义的等价性验证)

K. ZOU, J. G. JIANG, Y. XU, X. G. ZHANG.....1050

A Generalized Rational-Exponent Function Solution with Multi-Parameter for Wick-Type Stochastic mKdV Equation
(Wick 型随机 mKdV 方程带多参量的广义的有理指数函数解)

Q. LIU.....1056

A Synchronous Optimization Algorithm for Increasing Accuracy of SVM Classification
(一种提高 SVM 分类能力的同步优化算法)

F. HE, C. J. LU.....1073

Dynamics Analysis and Construction of a Water Eutrophication Complex Dynamical System
(一类水体富营养化复杂动力系统构建及其动力学分析)

H. G. YU, H. DUAN, Q. WANG, Z. L. MA.....1082

The CP Network Structure and Systemic Risk in Interbank Market
(核心边缘网络结构对银行系统稳定性影响研究)

M. M. YANG, H. FAN, S. SONG.....1090

Higher-Order Consensus in Multi-Agent System with Delay
(时滞高阶多智能体系统的一致性)

H. WEN, X. WANG.....1098

Duality between the Smash Product and Smash Coproduct
(Smash 积与 Smash 余积的对偶性)

B. S. REN, Y. Q. WEI, F. F. XIE, S. JIN, J. CHEN.....1105

Existence of Special Solutions to Boltzmann Equations, When the Collision Kernel Is Zero
(当碰撞核为零时 Boltzmann 方程特殊解的存在性)

F. ZHANG.....1115

Vertex Covering Problem of Weighted Graphs Based on Ant Colony Algorithm
(基于蚁群算法的赋权图点覆盖问题)

P. W. WU, J. R. CHEN, L. Y. JI.....1119

The Computation of Lee-Tarver Detonation Based on Lattice Boltzmann Model
(基于格子 Boltzmann 模型的 Lee-Tarver 爆轰波计算)

B. YAN, J. C. WANG.....1126

Forecasting the Rate of Return of Internet Monetary Fund Based on BPNN-GARCH Model
(基于 BPNN-GARCH 模型的互联网货币基金收益率预测)

H. HE, X. X. WU, K. KANG.....1135

Numerical Analysis of Backward Euler-Galerkin Method for Water Contamination Problem
(水污染问题的向后 Euler-Galerkin 方法及数值模拟)

N. ADIL, E. MAMAT, A. ABDUWALI.....1146

Existence of Positive Solutions for Singular Boundary Value Problems on the Infinite Interval
(无穷区间上奇异边值问题正解的存在性)

K. WANG, Y. WANG.....1151

Smooth Connection near Singular Points on Subdivision Surfaces
(细分曲面奇异点处的光滑过渡)

Y. H. TANG, S. LI, H. LIU, Y. P. GU.....1163

Two-Stage Method of Sparse Principal Component Analysis
(稀疏主成分分析的两阶段法)

X. YANG.....1174

The k -Path Vertex Cover in Several Cartesian Product Graphs
(几类笛卡尔乘积图的 k 路顶点覆盖数问题)

Z. LI, L. C. ZUO.....1182

Numerical Simulations on Ground States for Rotating Two-Component
Bose-Einstein Condensates
(旋转的双原子 - 玻色爱因斯坦凝聚体基态数值模拟)

R. H. LIU, Y. D. DENG, C. P. PANG, H. Q. WANG.....1187

Comparison of Calculation Methods for Confined Steady Well Flow Based
on Finite Difference Method
(基于有限差分法的承压稳定井流计算方法的比较)

S. Y. ZHANG, D. L. ZHOU, J. Y. SUN.....1201

Anelastic Approximation of Compressible Isentropic Navier-Stokes Equations with Exterior Force
(带有外力项的可压等熵 Navier-Stokes 方程的滞弹性逼近)

C. S. DOU, L. WANG, C. X. ZHU.....1207

Smooth Newton Method Based on a New NCP Function for Solving Variational Inequality Problems

(基于一个新的 NCP 函数的光滑牛顿法求解变分不等式问题)

C. Y. JIA, J. H. SUN, Z. YANG.....1220

An Epidemic Model Research of the Mobile Phone Virus Based on Fractional Differential Equations

(基于分数阶微分方程的手机病毒传播模型研究)

X. Y. YE.....1229

Modeling and Prediction of Cross-Selling Problems in Big Data

(大数据下交叉销售问题的建模与预测)

X. F. HUANG, X. L. WANG.....1236

Research and Application of SVM Model Based on Privileged Information

(基于特权信息的 SVM 模型研究及应用)

Y. CAO, F. Y. WANG, C. J. LU.....1248