Advances in Applied Mathematics, Vol.7, No.12, 1477-1666
应用数学进展, 7 卷 12 期
Published Online December 2018 in Hans (http://www.hanspub.org/journal/aam)

Hans汉斯

TABLE OF CONTENTS
目　　录

Output Feedback Stabilization of a Coupled Second Order ODE-Wave System
(耦合二阶 ODE 波系统的输出反馈镇定)

L. P. WANG, F. F. JIN.....1477

Lagrange Interpolation on Tetrahedral Mesh
(四面体网格上的 Lagrange 插值)

W. F. JIANG, Z. H. MU, L. H. CUI.....1486

Research Progress of Automated Particle Geometry Theorems Proving
(质点几何定理机器证明的研究进展)

X. L. HU, J. G. JIANG, Y. ZHANG.....1490

Improvement of ESMD Algorithm for Asymmetric Data
(关于非对称数据的 ESMD 改进算法)

S. JIANG, J. L. WANG.....1500

Lagrange Interpolation on a Hexahedron Grid
(六面体网格上的 Lagrange 插值)

Z. H. MU, W. F. JIANG, L. H. CUI.....1506

Application of Layered MC in Option Pricing
(分层 MC 在期权定价中的应用)

Y. S. CHEN, Q. Q. JIANG.....1511

Zero Product Problem of Block Toeplitz Operator in Vector Value Bergman Space
(向量值 Bergman 空间上块 Toeplitz 算子的零积问题)

N. ZHANG, Y. GUAN, W. SHANG.....1521

Reasonable Arrangement of Flight Plans
(航班计划的合理编排)

M. YANG, X. L. ZHANG, X. Y. XU, Y. Y. YANG, X. LIU, Y. X. TAN.....1530

New Traveling Wave Solutions for Boiti-Leon-Pempinelle Equation
(Boiti-Leon-Pempinelle 方程新的行波解)

P. Y. YI.....1537

Signed Total Domination Number of Graphs
(图的符号全控制数)

X. HONG, F. GAO, C. H. ZHANG, C. Y. WEI.....1543

Advances in Applied Mathematics, Vol.7, No.12, 1477-1666
应用数学进展, 7 卷 12 期
Published Online December 2018 in Hans (http://www.hanspub.org/journal/aam)

Multivariate Lagrange Interpolation Defined on Cone
(定义于锥面上的多元 Lagrange 插值问题)

J. S. HE, Y. C. JIANG, C. XIE, J. TONG, L. LIU, L. H. CUI.....1549

Study on Forecast of Real Estate Prosperity Index Based on MIDAS Model Corrected by Mixed Kernel Function SVM
(基于混合核函数 SVM 修正 MIDAS 模型的房地产景气指数预测研究)

C. XIANG.....1554

Inverse Sturm-Liouville Problems with Distribution Potentials of Atkinson Type
(Atkinson 类型的具有分布势函数的 Sturm-Liouville 问题的逆谱问题)

L. ZHANG, J. J. AO.....1565

The Quantitative Model of Shenzhen Talent Attraction Based on the Analytic Hierarchy Process (AHP)-Grey Relational Comprehensive Evaluation
(基于层次分析法–灰色关联度综合评价法的深圳人才吸引力量化模型)

Y. Z. GUO, X. H. YU, Z. G. WANG, W. F. HE.....1574

The Research of Special Clothing for High Temperature Operation
(高温作业专用服装的研究)

Y. T. WANG, H. R. QIN, G. H. ZHANG, K. S. ZHANG.....1583

A Study on Exact Travelling Wave Solutions of Generalized Dispersive Equations
(一类广义色散方程的行波解)

J. CHEN.....1593

Analysis of Bogdanov-Takens Bifurcation in Chua's System
(Chua's 系统的 Bogdanov-Takens 分岔分析)

C. X. SU.....1600

Study on Mathematical Model of High Temperature Apparel Design by Using Heat Conduction Equation
(利用热传导方程研究高温作业专用服设计的数学模型)

X. D. CUI, S. S. YUAN, B. Y. LI.....1607

Stability and Hopf Bifurcation Analysis of eHR Neuron Model with Time-Delay
(具有时滞的 eHR 神经元模型稳定性及 Hopf 分岔分析)

Z. Y. LU, H. H. YU, W. J. WANG.....1616

MCMC Algorithm and Its Application
(MCMC 算法及其应用)

M. SUN.....1626

GFM for One-Dimensional Compressible Multi-Material Flows with Moving Boundary on ALE Frame
(ALE 框架下虚拟流体方法模拟移动边界的一维可压缩多介质流动问题)

X. H. LIU, X. LI.....1638

Advances in Applied Mathematics, Vol.7, No.12, 1477-1666
应用数学进展, 7 卷 12 期
Published Online December 2018 in Hans (http://www.hanspub.org/journal/aam)

The Convergent in Continued *β*-Fraction
(*β*-连分数的渐近分数)

Q. XIAO.....1645

A Nonlinear QUICK Scheme for Convection-Dominated Equations
(对流占优问题的非线性 QUICK 格式)

Y. J. ZHOU, W. GAO.....1650

A New Criterion for Stability of Hopfield Neural Network Based on Gronwall Integral Inequality
(基于 Gronwall 积分不等式的 Hopfield 神经网络稳定性的新判据)

X. S. HUANG, R. C. LUO, W. S. WANG.....1658