



科学出版社

一门科学只有在成功地运用数学时，
才算达到了真正完善的地步。

——马克思

ISSN 1000-0984

CODEN SSHRE8

数学的实践与认识

MATHEMATICS

IN PRACTICE AND THEORY

第四十二卷

Vol. 42

第15期

No.15

2012

中国数学会会刊

中国科学院数学与系统科学研究院主办

科学出版社出版

万方数据

数学的实践与认识

2012年第42卷第15期

目次

建模

- 对小麦发育后期茎秆抗倒伏性问题的研究 蒋雪峰, 赵健伍, 杨 璐, 王正盛(1)
- 小麦发育后期茎秆抗倒伏性的数学模型 王开华, 王 平, 郑建超, 陶晓臻(12)
- 小麦蜡熟期茎秆抗倒伏数学模型的建立 钱 兵, 张海龙, 李静波(20)
- 小麦发育后期茎秆抗倒性的数学模型探析 尹 斌, 徐千州, 桑青华(36)
- 小麦发育后期茎秆抗倒性的数学模型 卢 超, 韩佳丽, 胡方军, 覃太贵(46)
- 小麦发育后期茎秆抗倒伏问题研究 李建军, 许新琨, 张海燕, 叶家宇, 章文芳, 宋 伟(54)
- 小麦茎秆抗倒性的数学模型研究 刘 军, 戴 荔, 何平胜, 双 飞, 马宏宾, 任雪梅(66)
- 小麦茎秆抗倒性的数学模型研究 叶三星, 徐 敏, 黄芳芳, 罗文强(76)
- “小麦发育后期茎秆抗倒性的数学模型”综述 张万琴, 陆 博, 张清山, 朱思铭(87)
- 基于因子分析法的房地产行业可持续发展程度评估 杨迎辉, 吴 昊, 周 航(92)
- 基于多角度的我国房地产行业数学模型的建立与分析 刘 文, 王 骏, 汪晓银(100)
- 我国房地产行业问题研究 常金华, 贾晓惠, 朱 迎, 姚 琼(114)
- 中国房地产行业态势分析及调控政策成效模拟 肖宏伟, 易丹辉, 王选鹤, 李 辉(133)
- 基于投机价格模型的房地产发展态势研究 陈 龙, 王汝传, 张俊清, 徐 蔚(142)
- 房地产行业供需模型及调控模型的研究 肖立顺, 徐 娜, 山显雷(148)
- 我国房地产市场发展问题研究 阎国光, 熊仁霞, 李晓丽, 周 洁(155)
- 房地产行业的数学建模分析 吴亚楠, 葛 鹏, 高 聪(169)
- 基于房地产业发展现状的数学模型 陈创泉, 林慧钦, 欧温暖, 房少梅(180)
- 2011年研究生数学建模D题综述 林 勇(191)

管理科学

- 具有两类需求服务的随机库存系统控制策略研究 赵 丹, 刘名武, 陈 弘(193)
- 我国人口城市化与房地产发展协调研究 刘纪学, 董纪昌(199)
- 基于高技术创新型企业的创新投入产出研究 姜 劲, 吴 雄(208)

工程

- 气象因素与儿童气管炎关系的研究 孙玉姣, 李秀珍(214)
- 密井网条件下油藏压力监测系统优化部署方法 隋新光, 尹洪军, 蔡 明, 张效彬, 张 野(219)

应用

- 对流扩散方程的稳定化流线扩散法最小二乘非协调有限元分析 于志云, 石东伟, 石东洋(228)

研究

- 有限域上一类二项式的研究 王念平, 王健康, 金晨辉(234)
- 保欧氏度量偏序的变换 邓伦治, 吴云顺, 游泰杰(238)
- 广义严格对角占优矩阵的一组判定条件 周晓晶, 许 洁, 孙玉祥(244)
- 一类算子矩阵特征值的代数指标和代数重数 王 华, 阿拉坦仓, 黄俊杰(251)
- 一类线性切换系统基于带有时滞观测器的输出反馈镇定 连冬艳, 全旭珂, 慕小武(256)
- 耗散对广义的WBK型耗散方程行波解的影响 朱 云, 刘 强, 李 春(261)

MATHEMATICS IN PRACTICE AND THEORY

2012 Vol.42 No.15

Contents

Modeling

- Research on Lodging Resistance of Wheat Stem at Late Developmental Stage JIANG Xue-feng, ZHAO Jian-wu, YANG Lu, WANG Zheng-sheng(1)
- Mathematical Model of Lodging Resistance at Late Stage of Wheat Growth WANG Kai-hua, WANG Ping, ZHENG Jian-chao, TAO Xiao-zhen(12)
- Mathematical Model of the Wheat Stem Lodging at Dough Stage QIAN Bing, ZHANG Hai-long, LI Jing-bo(20)
- Analysis of the Mathematical Model for Wheat Stem Lodging Resistance in Its Grown Period YIN bin, XU Qian-zhou, SANG Qing-hua(36)
- Mathematical Model of Wheat Stalk Lodging-resistance During the Later Growth Period LU Chao, HAN Jia-li, HU Fang-jun, QIN Tai-gui(46)
- Research on Stem Lodging-Resistant of Wheat Growth in Later Stage LI Jian-jun, XU Xin-kun, ZHANG Hai-yan, YE Jia-yu, ZHANG Wen-fang, SONG Wei(54)
- The Analysis on Lodging Resistance of High-quality Wheat LIU Jun, DAI Li, HE Ping-sheng, SHUANG Fei, MA Hong-bin, REN Xue-mei(66)
- Study on Mathematical Model of Wheat Stalk's Lodging Resistance YE San-xing, XU Min, HUANG Fang-fang, LUO Wen-qiang(76)
- Survey of the Mathematical Model of the Lodging-resistance of Wheat's Stem in Late Growth Period ZHANG Wan-qin, LU Bo, ZHANG Qing-shan, ZHU Si-ming(87)
- Evaluation of Sustainable Development Degree for Real Estate Based on Factor Analysis Method YANG Ying-hui, WU Hao, ZHOU Hang(92)
- Mathematical Model and Analysis of China's Real Estate Industry in Several Aspects LIU Wen, WANG Jun, WANG Xiao-yin(100)
- The Empirical Study on China's Real Estate Industry CHANG Jin-hua, JIA Xiao-hui, SONG Ying, YAO Qiong(114)
- China's Real Estate Industry Trend Analysis and the Effectiveness Simulation of Control Policies XIAO Hong-wei, YI Dan-hui, WANG Xuan-he, LI Hui(133)
- A Study on Real Estate Market Based on Speculation Price Model CHEN Long, WANG Ru-chuan, ZHANG Jun-qing, XU Wei(142)
- On Supply and Demand Model and Regulating Model for the Real Estate Industry XIAO Li-shun, XU Na, SHAN Xian-lei(148)
- Study on China's Real Estate Market Development YAN Guo-guang, XIONG Ren-xia, LI Xiao-li, ZHOU Jie(155)
- Mathematical Modeling Analysis on the Real Estate Industry WU Ya-nan, GE Peng, GAO Cong(169)
- Mathematical Models of Real Estate Industry Based on Present Situation CHEN Chuang-quan, LIN Hui-qin, OU Wen-nuan, FANG Shao-mei(180)
- Survey on the Problem D in the 2011 National Contest of Mathematical Modeling for Postgraduate LIN Yong(191)

Managed Science

- Research on the Control Policies for a Stochastic Inventory System with Two Demand Service Classes ZHAO Dan, LIU Ming-wu, CHEN Hong(193)
- Research of Synergy Development of China's Population Urbanization and Real Estate LIU Ji-xue, DONG Ji-chang(199)
- Study on the Input-Output Analysis of Innovation of High-tech Enterprises in China JIANG Jin, WU Xiong(208)

Engineering

- A Study of the Relations between Children Tracheitis and Weather Information SUN Yu-jiao, LI Xiu-zhen(214)
- Optimization of Pressure Monitoring System Under Close Spacing Condition SUI Xin-guang, YIN Hong-jun, CAI Ming, ZHANG Xiao-bin, ZHANG Ye(219)

Applications

- The Stabilized Streamline Diffusion Least-Squares Nonconforming Mixed Finite Element Analysis for Stationary Convection-Diffusion Problems YU Zhi-yun, SHI Dong-wei, SHI Dong-yang(228)

Research

- Research on a Class of Trinomial over Finite Fields WANG Nian-ping, WANG Jian-kang, JIN Chen-hui(234)
- Transformation with Keeping Euclidean Measurement Order DENG Lun-zhi, WU Yun-shun, YOU Tai-jie(238)
- Some Criteria for Generalized Strictly Diagonally Dominant Matrices ZHOU Xiao-jing, XU Jie, SUN Yu-Xiang(244)
- Algebraic Index and Algebraic Multiplicity of the Eigenvalue of a Class of Operator Matrices WANG Hua, Altancang, HUANG Jun-jie(251)
- Output Feedback Stabilization of a Class of Switched Linear Systems on Observer with Time-delay LIAN Dong-yan, TONG Xu-ke, MU Xiao-wu(256)
- Influence of Dissipative Effects on the Traveling Waves of Generalize Whitham-Broer-Kaup Equation with Dissipation Term ZHU Yun, LIU Qiang, LI Chun(261)