

西南师范大学学报 (自然科学版)

第 41 卷 第 12 期

总第 237 期

2016 年 12 月 20 日出版

目 次

• 基础研究 •

- 非奇异 M -矩阵最小特征值的下界序列 赵建兴 (001)
某些 p -群的最小置换表示次数 宋蔷薇, 冯耳月 (007)
半群 \mathcal{E}_n 的极大幂等元生成子半群 张传军, 朱华伟 (011)
关于不定方程 $x^3 \pm 1 = 6pqDy^2$ 的整数解 万 飞, 杜先存 (016)
3 类图的优美标号 唐保祥, 任 韩 (020)
偏 b -度量空间中广义 (ψ, φ, f) -弱压缩映像的公共不动点定理 许正川 (025)

• 应用研究 •

- 什邡市 1959—2010 年雾的气候特征及变化分析 刘康平, 李晓婧, 权浩然 (032)
青海旅游景区核心利益相关者协调发展评价研究
——以青海湖旅游景区为例 张 帅, 何梅青 (037)
绵阳市湿地维管植物区系组成及其特征分析 李 江, 石 佳, 宗 浩,
陈劲松, 任 熙, 付长坤, 焦瑞芳, 贺霞利 (043)
辣椒、水稻与烤烟叶片反射光谱特征的比较研究 黎瑞君, 聂克艳, 岳延滨,
李莉婕, 孙长青, 赵泽英, 彭志良 (049)
摄食甘薯对 SD 大鼠胃酸分泌影响的研究 陈 璐, 马 倩, 王维燕, 卢 忻, 曾凡坤 (054)
复合家庭类型细分方案
——以河北省为例 田 伟, 王 锋, 闫丽珍, 李绍康, 张 敏, 刘劲松 (060)
猪舍在不同开窗方式下的气流场模拟研究 景文渊, 袁 军, 乔 克, 蔡唯益 (068)

Mindlin 位移解下大直径桩基有效桩长的优化计算方法	王端端, 杜承哲, 魏晓康, 张利鹏	(074)
小型汽油发动机消声器设计研究	王林凤, 张 敏, 邓 莹, 蒋 猛	(081)
单面增大截面加固剪力墙的偏压仿真试验研究	黎桉君, 鲍安红, 王 驰, 唐 迪	(090)
基于拉曼散射的分布式 OPGW 温度测量	冯奕军, 翟柱新, 邓艺娜	(096)
基于 MIPS-Linux 的改进型 OMCI 协议栈设计与实现	吴桂玲, 张 建, 张耀军	(101)
适用于大数据的遗传优化算法研究	郑子伟, 郑建秋	(107)
基于孕妇腹围特征的孕妇下装号型研究	叶清珠, 陈东生, 吕 佳	(113)
湖北地区大学女生膳食与健康调查分析	蔡 敏, 邓青云, 毛清黎, 段丽君, 杨新河	(118)
大数据时代体育公共服务移动平台建设的必要性与可行性研究	黄 菁, 黄晓灵	(122)
6岁幼儿体质健康状况以及影响因素的分析	吴 卫, 宋 倩	(127)
普通高校课外体育俱乐部无边界组织模式探析及启示	刘年伟, 姚 蕾, 白成良, 吴中军	(131)
足球比赛“黑色三分钟”现象防预刍议	张 莹	(137)
第 12、13 届世界健美操锦标赛 3 人项目成绩对比分析	蒋仕延, 肖 迪	(141)
体育文化形成与传播的地理学解析	李采丰, 杨宗友	(146)
桑皮纸的数字化探索	王振涅	(151)

• 教学研究与改革 •

校企协同培养生物技术专业应用型人才的模式研究	周 游, 唐知然, 谢 洁, 阳泽平	(156)
大学生对创业教育的满意度及期望调查研究	康 燕, 康晓棠, 方晓田	(161)
兴趣教学法在组合数学课程中的应用	李雪珊	(167)
高等代数课程中问题驱动式教学法	裴 俊, 乔 丽	(171)

**JOURNAL OF SOUTHWEST CHINA
NORMAL UNIVERSITY
(NATURAL SCIENCE EDITION)**

Vol. 41 No. 12

Total No. 237

Dec. 20, 2016

CONTENTS

- Sequences of Lower Bounds for Minimum Eigenvalue of Nonsingular M -Matrices ZHAO Jian-xing (001)
- On Minimal Degree of Permutation Representation of Some Finite p -Groups SONG Qiang-wei, FENG Er-yue (007)
- Maximal Idempotent-Generated Subsemigroups of Semigroup \mathcal{E}_n ZHANG Chuan-jun, ZHU Hua-wei (011)
- On Integer Solutions of the Indefinite Equation $x^3 \pm 1 = 6pqDy^2$ WAN Fei, DU Xian-cun (016)
- On Graceful Labeling of Three Types Graphs TANG Bao-xiang, REN Han (020)
- Common Fixed Point Theorems of Generalized (ψ, φ, f) -Weakly Contraction Mappings in Partial b -Metric Spaces XU Zheng-chuan (025)
- Analysis on Climate Characteristics and Variation of Fog in Shifang From 1959 to 2010 LIU Kang-ping, LI Xiao-jing, QUAN Hao-ran (032)
- Coordinated Development Evaluation on Core Stakeholders in Qinghai Tourism Scenic Area
——A Case Study of Qinghai Lake Tourism Scenic Area ZHANG Shuai, HE Mei-qing (037)
- On Flora Composition and Characteristics of Wetland Plants in Mianyang City ... LI Jiang, SHI Jia, ZONG Hao,
CHEN Jin-song, REN Xi, FU Chang-kun, JIAO Rui-fang, HE Xia-li (043)
- Comparative Study on Leaf Reflectance Spectrum Characteristics of Pepper, Rice, Tobacco LI Rui-jun,
NIE Ke-yan, YUE Yan-bin, LI Li-jie, SUN Chang-qing, ZHAO Ze-ying, PENG Zhi-liang (049)
- Effects of Sweet Potato on Gastric Acid Secretion in Rats CHEN Lu, MA Qian,
WANG Wei-Yan, LU Xin, ZENG Fan-Kun (054)
- On Subdivision of Compound Household——A Case Study in Hebei Province TIAN Wei, WANG Zheng,
YAN Li-zhen, LI Shao-kang, ZHANG Min, LIU Jin-song (060)
- Simulation Research on Piggery's Airflow Field Under Different Window Layout JING Wen-yuan,
YUAN Jun, QIAO Ke, CAI Wei-yi (068)
- On Optimization Calculation Method of Effective Length for Large Diameter Pile Based on Mindlin's Solution WANG Duan-duan, DU Cheng-zhe, WEI Xiao-kang, ZHANG Li-peng (074)
- On Design of Small Engine Muffler Gasoline WANG Lin-feng, ZHANG Min, DENG Ying, JIANG Meng (081)

On Bias Simulation Tests of Single-Sided Strengthening of Shear Wall	LI An-jun, BAO An-hong, WANG Chi, TANG Di (090)
On Distributed Temperature Measurement of OPGW Based on Raman Scattering	FENG Yi-jun, Zhai Zhu-xin, DENG Yi-na (096)
On Design and Implementation of MIPS-Linux and Improved OMCI Protocol Stack	WU Gui-ling, ZHANG Jian, ZHANG Yao-jun (101)
Evolutionary Optimization Approach Research for Big Data	ZHENG Zi-wei, ZHENG Jian-qiu (107)
On Maternal Bottom's Size Based on Maternal Abdominal Girth's Features	YE Qing-zhu, CHEN Dong-sheng, LÜ Jia (113)
On Investigation and Analysis of Dietary and Health of Female College Students in Hubei	CAI Min, DENG Qing-yun, MAO Qing-li, DUAN Li-jun, YANG Xin-he (118)
On Necessity and Feasibility of Sports Public Service Mobile Platform in Big Data Era	HUANG Jing, HUANG Xiao-ling (122)
On Physical Fitness of Six-Year-Old Children and The Elementary Contributed Factors	WU Wei, SONG Qian (127)
Analyzing and Enlightening on Boundaryless Organization Mode in Colleges Extracurricular Sport Clubs	LIU Nian-wei, YAO Lei, BAI Chen-liang, WU Zhong-jun (131)
Anti-Preliminary Discussion on Phenomenon of "Black Three Minutes" in Football Match	ZHANG Ying (137)
On 12–13 World Aerobics Championships Results Comparison of the Three Projects	JIANG Shi-yan, XIAO Di (141)
On Formation and Propagation of Sports Culture Geography Parsing	LI Cai-feng, YANG Zong-you (146)
On Exploration of Digitalized Mulberry	WANG Zhen-sheng (151)
On Cultivation Mode of Application Oriented Talents in Biotechnology Major by College-Enterprise Cooperation	ZHOU You, TANG Zhi-ran, XIE Jie, YANG Ze-ping (156)
On College Students' Satisfaction and Expectation of Entrepreneurship Education	KANG Yan, KANG Xiao-tang, FANG Xiao-tian (161)
The Application of the Interest-Oriented Teaching Method in the Course of Combinatorics	LI Xue-shan (167)
Problem-Based Learning in Advanced Algebra	PEI Jun, QIAO Li (171)