

中国中文核心期刊 中国期刊方阵期刊 全国高校优秀学报 重庆市十佳科技期刊

ISSN 1000-5471

CN 50-1045/N

西南師範大學學報

JOURNAL OF SOUTHWEST CHINA NORMAL UNIVERSITY



自然科学版

NATURAL SCIENCE EDITION

XINAN SHIFAN DAXUE XUEBAO
ZIRANKEXUEBAN



万方数据

第38卷第10期
Vol.38 No.10

2013

中国重庆 CHONGQING CHINA

西南师范大学学报

(自然科学版)

第 38 卷 第 10 期

总第 199 期

2013 年 10 月 20 日出版

目 次

• 基础研究 •

- 各项同性麦克斯韦方程在系数为弱正则时解的唯一性证明 小巴桑次仁 (001)
 π' -元素的共轭类长个数为 2 的有限群的结构 冯海辉 (005)
半群 $\mathcal{P}_n(k)$ 的幂等元秩 李先崇, 赵 平 (009)
关于不定方程 $x(x+1)(x+2)(x+3)=10y(y+1)(y+2)(y+3)$ 郭凤明, 罗 明 (013)
双重三角格图的链环分支数的计数 林跃峰 (017)
 \mathbb{C}^n 中单位球上推广的 Roper-Suffridge 算子的性质 崔艳艳, 刘爱超 (022)
非退化中心问题的构造性方法 桑 波 (026)
三阶三点边值问题的两个正解的存在性 张立新, 孙 博, 张 洪 (030)
一类边界奇异带有临界 Sobolev 指数的非齐次 Neumann 问题的两个正解的存在性 宋园园,
吴行平, 唐春雷 (034)
弱核向量值奇异积分算子的加权不等式及端点估计 冯文莉 (038)
电主轴内置电机热性能分析 任艳君, 李云松 (042)

• 应用研究 •

- 金心吊兰在不同营养液中的生长效应 周启贵, 汤绍虎, 张晴霞 (046)
紫色马铃薯冲调营养粉配方研制与主要功能成分分析 刘家艳, 曹 敏,
黄 茜, 杨晓红, 王季春 (051)
外源褪黑素对低温胁迫下番茄幼苗生理指标的影响 包 宇, 罗庆熙, 黄 娟, 池 浩 (057)
湿壁面条件下 T 型微通道内两相流数值模拟 王琳琳, 胡洪萍 (062)
基于 VAR 模型的城镇化、工业化对城乡统筹的影响分析——重庆市的实证 何海林,

涂建军, 林 曦, 孙祥龙, 王 娜 (069)

- 紫肉甘薯新品种“渝紫 263”的选育及其应用前景 曾令江, 傅玉凡, 戴起伟,
谢一芝, 许 森, 杨春贤, 张启堂 (077)
- 基于关联规则分析治疗 2 型糖尿病临床用药规律 曹锦梅, 凌 灿, 赵小龙, 凌 丽 (082)
- 大学生创业机会变化规律探讨 郑瑞伦, 邓旭升, 明庭尧, 刘 俊 (088)
- 基于生态系统服务功能价值土地整理生态效益评价研究
——以重庆市长寿区木耳村土地整理项目为例 李 靖, 廖和平 (094)
- 免费师范生与一般师范生的教师职业认同感结构及特点比较 王鑫强, 肖明玉 (100)
- 不同身体锻炼情境对大学生焦虑、抑郁情绪影响的实验研究 李 樑 (107)
- 青少年体育锻炼行为机制的结构方程模型分析 冉清泉, 付道领 (112)
- 体育教育专业学生职前素质评价指标构建 寇广宁, 常金栋, 吴鸿春, 姚 磊 (119)
- 我国高级别网球裁判员队伍现状调查研究 欧吉林, 郭立亚, 刘海霞 (125)
- 多分类最大间隔孪生支持向量机 高斌斌, 王建军 (130)
- 时间价值影响城市交通效率的实证研究 陈岱婉 (136)
- 微移动切换算法 陆克盛, 杨丽娜, 李熙春 (141)
- 多元域 LDPC 码简化译码算法研究 李赛斯, 文 磊, 张 誉 (147)
- 基于多分形分析和主动学习反馈算法的图片垃圾邮件过滤 周扬玲, 钟 剑, 邓 维 (155)
- 基于 PKPM 的重庆三峡库区农村建筑节能改造——以丰都县某村委会楼为例 胡秀芝,
鲍安红, 曹树星, 刘 力, 谢 佳, 鲍计洁 (161)

• 教学研究与改革 •

- 建立高校本科生科研创新梯队的探索 张 敏, 秦 霞 (165)
- 地理信息系统专业毕业实习的改革实践与成效 罗红霞, 邹扬庆, 余天霞, 王 俊 (169)
- 食品专业本科毕业实习现状调查与分析 陈厚荣, 赵国华, 刘飞梅 (175)
- 药物分析与仪器分析有机结合构建创新型课程 杨晓明 (181)
- 《植物学实验》课程体系改革与实践 于 杰, 任 薇, 王 壮 (185)

期刊基本参数: CN50 - 1045/N * 1957 * b * A4 * 192 * zh * P * ¥20.00 * 1000 * 36 * 2013 - 10

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

Vol. 38 No. 10

Total No. 199

Oct. 20, 2013

CONTENTS

Proof of the Uniqueness of the Solutions of Isotropic Maxwell's Equations with a Low Regularity Coefficient	
.....	Basang Tsering-Xiao (001)
On Structure of Finite Groups with Two Conjugacy Class Lengths of π' -Elements	FENG Hai-hui (005)
On Idempotent Ranks of Semigroup $\mathcal{H}_n(k)$	LI Xian-chong, ZHAO Ping (009)
On Diophantine Equation of $x(x+1)(x+2)(x+3)=10y(y+1)(y+2)(y+3)$	GUO Feng-ming, LUO Ming (013)
On Enumeration of Component Number of Links on Double Triangular Lattices	LIN Yue-feng (017)
Property of the Roper-Suffridge Extension Operator on the Unit Ball in \mathbb{C}^n	CUI Yan-yan, LIU Ai-chao (022)
On Constructive Methods in Nondegenerate Center Problems	SANG Bo (026)
On The Existence of Two Positive Solutions for Third-Order Three-Point Boundary Value Problem	ZHANG Li-xin, SUN Bo, ZHANG Hong (030)
Existence of Two Positive Solutions for an Inhomogeneous Neumann Problem Involving Critical Sobolev Exponent with Boundary Singularities	SONG Yuan-yuan, WU Xing-ping, TANG Chun-lei (034)
On Weighted Inequalities and Endpoint Estimate for Vector-Valued Singular Integral Operators with Weak-Type Condition	FENG Wen-li (038)
Analysis on Thermal Behaviors of Built-in Motor in Motorized Spindle	REN Yan-Jun, LI Yun-Song (042)
On Growing Effects of Jinxin Chlorophytum Comosum in Different Nutrient Solution	ZHOU Qi-gui, TANG Shao-hu, ZHANG Qing-xia (046)
On Analysis of Formula of Purple Potato Brewing Nutrition Powder and Its Chief Functional Components	LIU Jia-yan, CAO Min, HUANG Qian, YANG Xiao-hong, WANG Ji-chun (051)
On Effect of Exogenous Melatonin on Physiological Indexes of Tomato Seedling under Low Temperature Stress	BAO Yu, LUO Qing-xi, HUANG Juan, CHI Hao (057)
On Numerical Simulation of Two-Phase Flow in a T-Junction Micro-Channel in Wet Wall Condition	WANG Lin-lin, HU Hong-ping (062)
On Impact of Urbanization and Industrialization upon the Urban-Rural Coordination on the Basis of VAR Model —An Empirical Analysis of Chongqing	HE Hai-lin, TU Jan-jun, LIN Xi, SUN Xiang-long, WANG Na (069)

- On Breeding and Application of “Yuzi 263”, a Newly Purple-Fleshed Sweet Potato Variety ZENG Ling-jiang,
FU Yu-fan, DAI Qi-wei, XIE Yi-zhi, XU Sen, YANG Chun-xian, ZHANG Qi-tang (077)
- On Analysis of Pharmaceutical Patterns in Clinical Treatment with Type II Diabetes Based on Association Rules
..... CAO Jing-mei, Ling Can, ZHAO Xiao-long, Ling Li (082)
- On Exploration of Change in Entrepreneurial Opportunities of College Students ZHENG Rui-lun,
DENG Xu-sheng, MING Ting-yao, LIU Jun³ (088)
- On Eco-Benefit Evaluation of Land Consolidation Based on Functional Value of Ecosystem Service
— A Case Study on Land Consolidation of Muer Village of Chongqing LI Jing, LIAO He-ping (094)
- A Comparative Study on Structure and Character of Professional Identity between Tuition-Free Normal University
Students and General Normal University Students WANG Xin-qiang, XIAO Ming-yu (100)
- Experimental Study on Influence of Different Physical Exercise Situation upon Anxiety and Depression
of College Students LI Liang (107)
- On Analysis of Mechanisms of Youth Students' Exercise Behavior Based on Structural Equation Model
..... RAN Qing-quan, FU Dao-ling (112)
- On Construction of Pre-service Quality Index System of Students Majoring in Physical Education KOU Guang-ning,
CHANG Jin-dong, WU Hong-chun, YAO Lei (119)
- Investigation on the Status Quo of the Tennis Referees in China OU Ji-lin, GUO Li-ya, LIU Hai-xia (125)
- On Maximum Margin Twin Support Vector Machine for Multi-Class Classification GAO Bin-bin, WANG Jian-jun (130)
- An Empirical Study on Time Value Impact on Urban Transportation Efficiency CHEN Dai-wan (136)
- On Mic-Mobility Handoff Algorithm LU Ke-sheng, YANG Li-na, LI Xi-chun (141)
- On Simplified Decoding Algorithm of Non-Binary LDPC Codes LI Sai-si, WEN Lei, ZHANG Yu (147)
- On Filtering Image Spam Based on Multifractal Analysis and Active Learning Feedback Algorithm
..... ZHOU Yang-ling, ZHONG Jian, DENG Wei (155)
- On Energy Saving of Rural Buildings in the Three Gorges Reservoir Region of Chongqing Based on PKPM
— A Case Study of a Village Committee Building in Fengdu County HU Xiu-zhi, BAO An-hong,
CAO Shu-xing, LIU Li, XIE Jia, BAO Ji-ji (161)
- On Establishing Team for Scientific Innovation by University Students ZHANG Min, QIN Xia (165)
- On Reform and Effect of GIS Specialty on Graduate Internship LUO Hong-xia, ZOU Yang-qing,
YU Tian-xia, WANG Jun (169)
- On Investigation and Analysis of Undergraduate Graduation Practice in Food Professionals CHEN Hong-rong,
ZHAO Guo-hua, LIU Fei-me (175)
- On Construction of a Novel Curriculum Based on Integration of Pharmaceutical Analysis and Instrumental Analysis
..... YANG Xiao-ming (181)
- Reformation and Practice for the Curriculum System of Botany Experimental YU Jie,
REN Wei, WANG Zhuang (185)