

西南师范大学学报

(自然科学版)

第 45 卷 第 2 期

总第 275 期

2020 年 2 月 20 日出版

目 次

· 基础研究 ·

- 2-Sylow 子群的阶及元素最高阶与次高阶与 A_n 相同的有限群 于宝娟, 吴 莲, 陈贵云 (001)
- Gorenstein 投射复形范畴中的纯正合列 魏宝军, 于春艳, 杨晓燕 (007)
- 含临界指数项和双重奇异项的 Kirchhoff 型椭圆边值方程的正解 张 黔, 邓志颖 (011)
- 高维空间中带临界指数的非齐次 Kirchhoff 型方程的正解 吉 蕾 (020)
- 调和 Fock 空间 陈 雪, 黄 穗 (026)

· 应用研究 ·

- 基于四元数离散 Fourier 变换的医学图像融合算法 杨建翠 (031)
- 不同语境下交流学习双方语言选择性注意水平的比较 张恒超 (040)
- 否定证据加速类别归纳证据积累并降低反应标准 熊静怡, 崔瑞芳, 龙长权 (051)
- 不同提取方法对沉香精油制备的影响 耿天佑, 罗理勇, 曾 亮, 王兴华, 段永政 (059)
- 预制装配式建筑生产成本影响因素分析 陈圆月, 李伟清 (068)
- NaOH 预处理稻草秸秆的软化效果研究 孙杜鸿, 鲍安红, 陈 林 (073)
- 某 THIC 空调系统热舒适性及能耗的模拟分析 陈隽锋, 张永东, 黎 强, 熊伟成 (079)
- 轴心受压预应力斜撑杆钢柱承载能力研究 张 旭, 袁 军, 侯博宇, 孟二从, 乔 克 (085)
- 基于 AWR1642 的汽车防撞雷达设计 王 珂, 邓桂福, 周河桥 (093)

..... 曹光强, 潘飞鸿, 王国杰 (099)

女子英式 7 人制橄榄球比赛制胜因素分析及备战 2020 年奥运会分析

——以 2016 年亚洲 7 人制橄榄球系列赛中国队和日本队 3 站决赛为例

..... 刘成龙, 刘志云 (106)

社区团体有氧训练对老年人身心健康及认知功能的影响研究 刘 立 (113)

基于全民健身视角下探析重庆市武术运动项目发展与传承 陈荣浩, 郭 浩 (123)

· 教学研究与改革 ·

农学专业创新型人才培养的实验实践教学体系的构建 李保云, 张海林, 张洪亮,

朱作峰, 孙 群, 赵 悦, 赵 宁, 刘庆昌 (128)

应用型本科院校在药学教育中植入药师执业素质培养 冯艺萍 (132)

研究型教学在实用回归分析课程中的应用 吕 晶 (137)

基于函数 $\frac{\sin x}{x}$ 的高等数学教学探索 朱俊蕾, 郭艳凤 (143)

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

Vol. 45 No. 2

Total No. 275

Feb. 20, 2020

CONTENTS

Finite Groups with the Order of Its 2-Sylow Subgroup, the Largest and Second Largest Element Orders Being the
Same as Those of A_9 YU Bao-juan, WU Lian, CHEN Gui-yun (001)

Pure Exact Sequence in the Category of Gorenstein Projective Complexes
..... WEI Bao-Jun, YU Chun-Yan, YANG Xiao-Yan (007)

Positive Solutions for Kirchhoff-Type Elliptic Boundary Value Equations with Critical Exponent and
Double Singular Terms ZHANG Qian, DENG Zhi-ying (011)

Positive Solutions for a Class of Nonhomogeneous Kirchhoff Type Equation with Critical Exponent in
High Dimension JI Lei (020)

On Harmonic Fock Space CHEN Xue, HUANG Sui (026)

Medical Image Fusion Algorithm Based on Quaternion Discrete Fourier Transforms YANG Jian-cui (031)

A Comparative Study of Language Selective Attention Levels of both Communicative Learning Sides in
Different Contexts ZHANG Heng-chao (040)

Negative Evidence Accelerates Evidence Accumulation and Reduces Response Bias during Category-Based Induction
..... XIONG Jing-yi, CUI Rui-fang, LONG Chang-quan (051)

On Effect of Different Extraction Methods on Preparation of Agarwood Essential Oil GENG Tian-you,
LUO Li-yong, ZENG Liang, WANG Xing-hua, DUAN Yong-zheng (059)

Analysis of Factors Affecting Production Costs of Prefabricated Buildings CHEN Yuan-yue, LI Wei-qing (068)

On Softening Effect of NaOH Pretreatment on Rice Straw SUN Du-hong, BAO An-hong, CHEN Lin (073)

..... CHEN Jun-feng, ZHANG Yong-dong, LI Qiang, XIONG Wei-cheng (079)

Buckling Capacity Analysis of Axially Compressed Prestressed Stayed Steel Columns with Split-up Crossarm

Systems ZHANG Xu, YUAN Jun, HOU Bo-yu, MENG Er-cong, QIAO Ke (085)

On Design of Automobile Anti-Collision Radar Based on AWR1642 WANG Ke, DENG Gui-fu, ZHOU He-qiao (093)

On Water Training Content and Load Characteristics of Chinese Rowing Women's Lightweight Double Sculls

Before the Rio Olympic Games CAO Guang-qiang, PAN Fei-hong, WANG Guo-jie (099)

Analysis on Winning Factors of Women's Rugby 7s and Suggestions for Preparing for 2020 Olympic Games

—3 Finals in the 2016 Asian Rugby 7s Series Between China and Japan LIU Cheng-long, LIU Zhi-yun (106)

Influence Study of Community Group Exercise Training on physical and Mental Health and Cognitive Function

of the Elderly LIU Li (113)

On Analysis of Development and Inheritance of Chinese Martial Arts in Chongqing form the Perspective

of National Fitness CHEN Rong-hao, GUO Hao (123)

Construction of Experimental and Practical Teaching System for Cultivating Innovative Talents in Agronomy Specialty

..... LI Bao-yun, ZHANG Hai-lin, ZHANG Hong-liang,

ZHU Zuo-feng, SUN Qun, ZHAO Yue, ZHAO Ning, LIU Qing-chang (128)

On How to Cultivate Practicing Quality of Pharmacist in Pharmaceutical Education in Application-Oriented

Universities FENG Yi-ping (132)

On Application of Research-Based Teaching in Course of Practical Regression Analysis LYU Jing (137)

Teaching Exploration for Advanced Mathematics Based on the Function $\frac{\sin x}{x}$ ZHU Jun-lei, GUO Yan-feng (143)