

## 目 次

### · 基础研究 ·

- 2 倍素数幂阶点传递的局部本原图 ..... 马 丽 (001)
- 双单叶星形和凸函数的系数边界 ..... 熊良鹏 (005)
- 广义非凸变分不等式解的存在性和多步迭代投影算法 ..... 令狐云龙 (010)
- 两类特殊椭球缺的体积与表面积 ..... 曾春娜, 王贺军, 李 冉, 熊小林 (015)
- 模糊子 Quantale 及其性质 ..... 马 崛 (020)

### · 应用研究 ·

- 重庆市 1961—2010 年  $\geq 10^{\circ}\text{C}$  积温的时空变化和对农作物生产的影响 ..... 潘小艳,  
周文佐, 张建平, 王 靖 (024)
- 基于博弈论的气候外交研究 ..... 高 蕾, 陈俊华, 沈长成 (030)
- 翘鳞肉齿菌多糖的分离纯化及抗氧化活性的研究 ..... 丁 祥, 侯怡铃, 秦 航, 屈 维 (037)
- 半夏蛋白的提取工艺及其凝集素的抑菌研究 ..... 张小团, 严 静, 高 鸿, 吴能表 (043)
- 苎麻纤维微生物脱胶菌株的诱变研究 ..... 卢必涛, 陈景浩, 王天佑, 蓝广芊 (049)
- 光合细菌菌剂对黄冠梨土壤微生物区系及果实品质的影响 ..... 李兴发, 黄 娟,  
杨雅婷, 周继芬, 曾 明 (055)
- 基于引文分析的图书馆藏书质量评价实证研究——以西南大学图书馆教育类文献为例  
..... 罗 华, 周 艳 (062)
- 重庆市城镇化质量测度及其驱动因子分析 ..... 贾林瑞, 涂建军, 侯 锐, 杨权伍, 周雪蓉 (068)
- 城市建设用地需求预测——以九江市为例 ..... 祝明霞, 王文彩 (074)
- 基于 GIS 的构造单元地震空间分形研究——以四川省和重庆市为例  
..... 甘芬芳, 徐 刚, 徐 羽, 吴艳飞, 杨姝漫 (080)

我国旅游资源经济转化率及其省际差异分析 .....	白 洋, 杨晓霞, 樊 昊 (085)
我国东部产业向西转移的承接对策研究 .....	汪 涛 (091)
几种湿地植物及其组配对沼液污染物的去除研究 .....	杨希谦, 张绍博, 黄 磊, 项红珍, 张信伟 (096)
一步合成以组氨酸为碳源的碳点 .....	廖洪波, 岑 丽, 王若茜, 朱姗姗, 杨晓明 (101)
成都市高校校园栽培植物区系组成及特征分析 .....	李 江, 石 佳, 付 花, 付长坤, 宗 浩 (107)
作业成本法在高校教育成本核算中的实证研究 .....	秦 路, 彭泽平 (113)
基于 ARM 处理器的嵌入式防火墙安全保护机制 .....	张耀军 (118)
滚动窗口自适应子空间预测控制方法及其应用 .....	陈学昌, 罗小锁, 袁 燕 (124)
基于机器视觉的目标识别方法研究 .....	王 靖, 李少华, 谢守勇 (130)
重庆市体育高考术科考试成绩与项目设置分析 .....	杨宗友, 李振中 (134)
基于物质形态视域的运动员竞技能力结构“胶泥模型”实证研究 .....	李亚慰 (140)
重庆市具备游泳救生员资质人员的上岗情况调查分析 .....	谷金波, 张又匀, 那春艳 (145)

### · 教学研究与改革 ·

《材料现代测试技术》课程改革探讨 .....	宋春林, 何 洪, 唐剑锋, 陈志谦 (150)
基于应用型人才培养模式的专业学位研究生实践教学体系的构建与实践 .....	王 放, 陈志谦 (154)
《水资源规划与管理》课程现状与改革创新实践 .....	齐跃明, 董贵明, 张新霞 (158)
高等代数之数学史教学 .....	景 丽 (162)
关于高等数学中 Fourier 级数收敛定理的几点注记 .....	陈加伟, 李金富 (166)
幼儿动作的学习方式、特点及其机制 .....	张 莹, 崔康丽, 袁朝霞, 郑秀英 (170)

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

Vol. 40 No. 6

Total No. 219

Jun. 20, 2015

---

**CONTENTS**

- On Vertex-Transitive Locally Primitive Graph of Order  $2p^e$  ..... MA Li (001)
- On Coefficients Bounds for Classes of Bi-Starlike and Bi-Convex Functions ..... XIONG Liang-peng (005)
- On Existence of Solution and Multi-Step Iterative Projection Algorithm for Generalized Nonconvex Variational Inequalities  
..... LINGHU Yun-long (010)
- On Two Formulas for Volume and Surface Area of Two Special Ellipsoidal Cap ..... ZENG Chun-na,  
WANG He-jun, LI Ran, XIONG Xiao-lin (015)
- On Fuzzy Subquantale and Its Properties ..... MA Jue (020)
- On Spatio-Temporal Changes of Accumulated Temperature Greater than or Equal to 10 Degrees Centigrade  
in Chongqing and Their Effects on Crop Production from 1961 to 2010 ..... PAN Xiao-yan,  
ZHOU Wen-zuo, ZHANG Jian-ping, WANG Jing (024)
- On Climate Diplomacy Based on the Game Theory ..... GAO Lei, CHEN Jun-hua, SHEN Chang-cheng (030)
- On Extraction, Purification and Antioxidant Activity of Polysaccharide from *Sarcodon imbricatum* (L. :Fr) Karst.  
..... DING Xiang, HOU Yi-ling, QIN Hang, QV Wei (037)
- On *Pinellia ternate* Total Protein Extraction Technology and Antibacterial Effect of *Pinellia ternate* Lectin  
..... ZHANG Xiao-tuan, YAN Jing, GAO Hong, WU Neng-biao (033)
- On Optimize and Mutagenesis to Efficient Strains of Ramie Fiber ..... LU Bi-tao, CHEN Jing-hao,  
WANG Tian-you, LAN Guang-qian (049)
- On Effects of Inoculant of Photosynthetic Bacteria on Soil Microbial Community and Fruit Quality of ‘Huangguan’ Pear  
..... LI Xing-fa, HUANG Juan, YANG Ya-ting, ZHOU Ji-fen, ZENG Ming (055)
- On Evaluation of Book Collection Based on Citation Analysis—A Case Study of Education Library  
in Southwest University Library ..... LUO Hua, ZHOU Yan (062)
- Urbanization Quality Evaluation and its Driving Factors Analysis in Chongqing City China ... JIA Lin-ru, TU Jian-jun,  
HOU Rui, YANG Quan-wu, ZHOU Xue-rong (068)
- On Demand Prediction of Urban Construction Land—A Case Study of Jiujiang City  
..... ZHU Ming-xia, WANG Wen-cai (074)

- On Seismic Spatial Fractal Research of Tectonic Units Based on GIS——Taking Sichuan Province and Chongqing Municipality as an Example ..... GAN Fen-fang, XU Gang, XU Yu, Wu Yan-fei, YANG Shu-man (080)
- On Analysis of Tourism Resources Economic Conversion Rate and Inter-Provincial Variance in China ..... BAI Yang, YANG Xiao-xia, FAN Hao (085)
- On Strategies to Undertake Eastern Industrial Transfer of the West ..... WANG Tao (091)
- Study on Pollutant Purification Effectiveness in Biogas Slurry by Various Wetland Plants and Their Combinations ..... YANG Xi-qian, ZHANG Shao-Bo, HUANG Lei, XIANG Hong-zhen, ZHANG Xin-wei (096)
- On One-Step Synthesis of Carbon Dots Based on Histidine ..... LIAO Hong-bo, CEN Li, WANG Ruo-xi, ZHU Shan-shan, YANG Xiao-ming (101)
- A Floristic Study of Cultivated Plants in the Campuses of Chengdu Colleges ..... LI Jiang, SHI Jia, FU Hua, FU Chang-kun, ZONG Hao (107)
- An Empirical Research of Activity Based on Costing in Higher Education Costing ..... QIN Lu, PENG Ze-ping (113)
- On Embedded Firewall Protecting Innovative Mechanisms Based on ARM ..... ZHANG Yao-jun (118)
- On Receding Window Adaptive Subspace Predictive Control Method and Its Application ..... CHEN Xue-chang, LUO Xiao-suo, YUAN Yan (124)
- On Object Recognition Based on Machine Vision ..... WANG Jing, LI Shao-hua, Xie Shou-yong (130)
- On Analysis of Score and Setup of Technical Test in College P. E. Entrance Examination in Chongqing ..... YANG Zong-you, LI Zheng-zhong (134)
- Demonstration Study of the “Mastic Model” in Athlete’s Competition Ability Structure Based on Physical Fact Area ..... LI Ya-wei (140)
- On Investigation and Analysis of Working Situation of Lifeguard Qualification Personnel with Chongqing City ..... GU Jin-bo, ZHANG You-jun, NA Chun-yan (145)
- On Exploration and Reform of the Course Teaching System of *Modern Materials Testing Techniques* ..... SONG Chun-lin, HE Hong, TANG Jian-feng, CHEN Zhi-qian (150)
- On Studying the Practice Teaching System for Full-time Professional Degree Graduate Education Based on Cultivation of Applied Talents ..... WANG Fang, CHEN Zhi-qian (154)
- On Current Situation of Water Resources Planning and Management Curriculum and Its Creative Teaching Reform ..... QI Yue-ming, DONG Gui-ming, ZHANG Xin-xia (158)
- On Teaching the History of Mathematics in Advanced Algebra Course ..... JING Li (162)
- On Convergence Theorem of Fourier Series in Advanced Mathematics ..... CHEN Jia-wei, LI Jin-fu (166)
- On Approaches, Characteristic and Learning Mechanism of Movements of Preschool Children ..... ZHANG Ying, CUI Kang-li, YUAN Zhao-xia, ZHENG Xiu-ying (170)