

西南师范大学学报 (自然科学版)

第 42 卷 第 9 期

总第 246 期

2017 年 9 月 20 日出版

目 次

• 基础研究 •

- 对数麦克斯韦分布的渐近性质 赵 扬, 黄建文 (001)
基于组合测量的一种新的最小二乘算法 孙艳波 (006)
弱线性双层规划问题的罚分解方法 洪云飞, 郑 跃, 陈 忠 (011)
一类可压缩磁流体方程组解的唯一性 邓慧琳, 段 誉, 李利峰 (016)
一类具有脉冲作用与饱和治愈率的 SIRS 模型的分析 王 杏, 贾建文 (020)
不可约非负矩阵谱半径的新估算 董培佩 (027)
重庆地区“5.30”暴雨过程的数值模拟及诊断分析 刘 毅, 廖芷仪,
张亚萍, 陈 鹏, 夏吉英 (032)
重庆市北碚区失地农民养老保障满意度研究 张国栋, 周 洪, 魏朝富 (040)

• 应用研究 •

- 一种 GrabCut 分割边缘的优化方法 张明军, 俞文静, 吴 婕, 袁 志 (047)
基于 TOPSIS 理论的因子分析模型在服务业发展中的应用研究 罗国旺, 刘衍民, 蒲 浩 (053)
基于能量阈值自感分区机制的无线传感网簇路由算法 汤 佳, 钱军浩, 胡晓红 (060)
体育用品制造业与区域经济增长研究
——基于东部地区 10 省市面板数据的实证研究 谭 宏, 张晓林 (067)
重庆市学生身体素质的动态变化
——基于 2000—2014 年的数据分析 王德周, 王德慧, 曹型厚 (076)
土壤镉污染对艾纳香生长及体内镉积累和分布特征的影响 王俊丽, 梁 娟, 任建国 (084)
小微企业信用综合评级模型的构建 刘 敏 (090)

基于灰色相关模型的旅游经济增长因素研究	李妍	(097)
页岩气地球物理建模方法和应用实例分析	徐国志, 徐锦鹏	(103)
AMMI 模型在重庆市玉米区域试验中的应用	贺清秀, 周彦民	(109)
油浸式变压器状态检测方法研究	潘云, 张倩	(116)
三网融合背景下 4G 通信技术在互联网电视中的运用	朱居正	(121)
基于粒子群算法的云计算资源配置研究	蔡林益	(128)
基于 PSO 算法的软件测试技术研究	沈雯漪, 孙振坤	(133)
徐州市主城区慢行交通研究	齐闫夙, 周春波	(139)
缙云山两种林分土壤呼吸影响因素分析	田艳琴, 何丙辉, 曾清萍, 吴耀鹏, 夏力文, 杨龙龙	(144)
成都市近郊蔬菜地土壤 Cd,Cu,Ni,Pb,Zn 的污染评价	向仲香, 邱海健, 吴艳宏, 张伟, 李睿, 陈永琴	(151)
西南大学崇德湖景观设计	张晓迪, 张建林	(159)
非线性景观特征与表现途径	罗丹, 张建林	(167)
中国(重庆)园博园城市展园地域文化营造与景观设计表达	郝欢焕, 张建林	(173)
偏岩古镇街巷景观空间特征分析研究	孙珍, 秦华, 陈洪醒	(179)
重庆国泰艺术中心入口环境景观包容性设计	刘媛, 张建林	(189)

• 教学研究与改革 •

基于翻转课堂教学模式下的大学数学微课教学	舒畅, 闵兰, 万会芳	(196)
基于 LabVIEW 的物理虚拟仿真实验系统设计	李钰杰, 谭兴文, 邓涛, 雷衍连, 张巧明, 孙凯, 陈建军, 唐曦	(201)
基于广义线性混合模型的仪器分析虚拟实验教学效果的量化研究	张浩, 张伟, 龚成斌, 彭敬东	(206)
基础有机化学教材改革与探究式教学融合发展研究	黎泓波, 王素琴, 王兴明, 盛寿日	(211)

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

Vol. 42 No. 9

Total No. 246

Sep. 20, 2017

CONTENTS

- Asymptotic Properties of Logarithmic Maxwell Distribution ZHAO Yang, HUANG Jian-wen (001)
- A New Least Squares Algorithm Based On Combined Measurement SUN Yan-bo (006)
- On a Penalty Decomposition Method for Solving Weak Linear Bilevel Programming Problems
..... HONG Yun-fei, ZHENG Yue, CHEN Zhong (011)
- On Uniqueness of Class Compressible Magneto-Hydrodynamic Equations ... DENG Hui-lin, DUAN Yu, LI Li-feng (016)
- On Analysis of an SIRS Model with Impulsive Effect and Saturated Treatment Rate WANG Xing, JIA Jian-wen (020)
- No New Estimation of Spectrum Radius of Irreducible Nonnegative Matrices DONG Pei-pei (027)
- On Numerical Simulation and Diagnosis of Heavy Rainfall Case on 30 May in Chongqing Area
..... LIU Yi, LIAO Zhi-yi, ZHANG Ya-ping, CHEN Peng, XIA Ji-ying (032)
- Research on the Satisfaction at Pension Security of Land-Lost Farmers in Beibei District of Chongqing City
..... ZHANG Guo-dong, ZHOU Hong, WEI Chao-fu (040)
- An Optimization Method for Edge of GrabCut Segmentation ZHANG Ming-jun,
YU Wen-jing, WU Jie, YUAN Zhi (047)
- On Application of Factor Analysis Model in Development of Service Industry Based on Theory of Topsis
..... LUO Guo-wang, LIU Yan-min, PU Hao (053)
- On Simulation of Wireless Sensor Network Routing Algorithm Based on Energy Threshold Self Forming Mechanism
..... TANG Jia, QIAN Jun-hao, HU Xiao-hong (060)
- Sporting Goods Manufacturing Industry and Regional Economic Growth
—Empirical Research on Panel Data Collected of 10 Provinces in Eastern TAN Hong, ZHANG Xiao-lin (067)
- On Dynamic Changes of The Students' Physical Quality in Chongqing
—Based on Analysis of Data from 2000—2014 WANG De-zhou, WANG De-hui, CAO Xing-hou (076)
- On Effects of Soil Cadmium Contamination on Growth of *Blumea Balsamifera* and Cadmium Accumulation and
Subcellular Distribution in Plant WANG Jun-li, LIANG Juan, REN Jian-guo (084)
- The Construction of Small and Micro Enterprise Credit Comprehensive Rating Model LIU Min (090)

- On Factors of Tourism Economic Growth Based on Grey Correlation Model LI Yan (097)
- On Shale Gas Geophysical Modeling and Its Application XU Guo-zhi, XU Jin-peng (103)
- On Application of AMMI Model in Regional Trial of Maize in Chongqing HE Qing-xiu, ZHOU Yan-min (109)
- On State Detection Method of Oil Immersed Transformer PAN Yun, ZHANG Qian (116)
- On Application of 4G Communication Technology in Internet TV under Background of Triple Play ZHU Ju-zheng (121)
- On Cloud Computing Resource Allocation Based on Particle Swarm Optimization Algorithm CAI Lin-yi (128)
- On Software Testing Technology Based on PSO Algorithm SHEN Wen-yi, SUN Zhen-kun (133)
- On Slow Traffic Transportation in Main City of Xuzhou QI Yan-su, ZHOU Chun-bo (139)
- Analysis of Influencing Factors on Soil Respiration of Citrus Forest and Masson Pine Forest in Mt. Jinyun
..... TIAN Yan-qin, HE Bing-hui, ZENG Qing-ping, WU Yao-peng, XIA Li-wen, YANG Long-long (144)
- On Pollution Assessment of Cd, Cu, Ni, Pb and Zn in Suburban Vegetation Soils of Chengdu
..... XIANG Zhong-xiang, BING Hai-jian, WU Yan-hong, ZHANG Wei, LI Rui, CHEN Yong-qin (151)
- On Landscape Design of Chongde Lake in Southwest University ZHANG Xiao-di, ZHANG Jian-lin (159)
- On Features and Expression Of Non-linear Landscape LUO Dan, ZHANG Jian-lin (167)
- On Construction of Regional Culture and Expression of Landscape Design of City Gardens in China (Chongqing)
International Exposition HAO Huan-huan, ZHANG Jian-lin (173)
- On Landscape Character of the Street Lane Space of Pianyan Ancient Town SUN Zhen,
..... QIN Hua, CHEN Hong-xing (179)
- On Inclusive Design of Entrance Landscape of Chongqing Cathay Pacific Arts Center ... LIU Yuan, ZHANG Jian-lin (189)
- On College Mathematics Teaching Based on Reverse of Classroom Teaching Mode SHU Chang,
..... MIN Lan, WAN Hui-fang (196)
- The Design of Physical Simulation Experiment System Based on LabVIEW LI Yu-jie, TAN Xing-wen,
..... DENG Tao, LEI Yan-lian, ZHANG Qiao-ming, SUN Kai, CHEN Jian-jun, TANG Xi (201)
- Quantitative Study on Virtually Experimental Teaching of Instrumental Analysis Using Generalized Linear
Mixed Effects Model ZHANG Hao, ZHANG Wei, GONG Cheng-bin, PENG Jing-dong (206)
- On Coordinate Development of Basic Organic Chemistry Reform and Exploratory-Based Teaching
..... LI Hong-bo, WANG Su-qin, WANG Xing-ming, SHENG Shou-ri (211)