

目 次

• 基础研究 •

非奇异 M -矩阵的 Hadamard 积的最小特征值的下界序列	赵建兴, 桑彩丽 (001)
对角线元为数量幂等矩阵的上三角矩阵及其应用	张宗杰, 吴 炎 (006)
非交换子群具有极小中心化子的有限 p -群	薛海波, 吕 恒 (012)
树的第二原子键连通指标的极值	武 琳, 胡玉梅 (016)
图 $K_{2n+1} \setminus E(K_{1,m})$ 的点可区别全染色	王文杰, 张伟东, 李沐春 (020)
二阶非线性中立型时滞微分方程的新振动准则	林丹玲, 屈海东 (026)
一类凹凸拟线性椭圆方程解的存在性	孙娇娇, 储昌木 (033)
关于 log-Minkowski 不等式的注记	马 磊 (038)

• 应用研究 •

基于 β -谷甾醇的质量分数筛选白花丹野生变家种栽培条件	戴先芝, 任朝琴, 刘 圆 (042)
杨树 LEA 基因家族全基因组鉴定及表达分析	李 军, 赵爱春, 刘长英, 王茜龄, 刘晓清, 余茂德 (048)
基于 GIS 的冬小麦干旱灾害风险分析及评价	张 菡, 李金建, 郑 昊 (057)
——以四川省冬麦区为例	张 菡, 李金建, 郑 昊 (057)
重庆北碚地区大气污染物与气象要素的相关性分析	李 强, 吉 莉, 马 君, 何 遂, 张 爽, 司云燕 (064)
AHP-IEM 分析法在图书馆文献资源布局方面的应用	周 燕 (073)
——以西南大学图书馆为例	周 燕 (073)
三峡库区就地后靠移民与原住民生计资本特征及差异分析	崔诗雨, 徐定德, 彭 立, 刘邵权 (080)
——以重庆市万州区为例	崔诗雨, 徐定德, 彭 立, 刘邵权 (080)

经济开发区土地利用格局演变的微尺度分析

——以广东清远开发区为例	李 灿, 吴顺辉, 孙传淳, 丁华祥, 张 池, 王玉琳 (087)
基于改进熵值法的土地储备融资风险评价	
——以重庆市江北区为例	廖文婷, 何多兴, 唐 傲, 钟 锐 (095)
制度环境、会计稳健性与企业投资效率研究	邓 娜 (101)
高识别率的鲁棒 ART 快速图像识别算法	刘内美 (106)
网点增大对印刷品色彩的影响分析	唐耀存, 胡 斌 (114)
面向 UWB 导航精度与时延间关系的研究与仿真	刘直良, 张得生 (119)
中国高速铁路站点空间分布特征研究	方应波, 易文芳 (126)
基于经验模态分解的局域网络入侵检测算法	李 响 (132)
电力电缆外护套故障定位研究	熊必凤, 唐 超, 王 谦, 祝诗平, 李 旭, 张 松 (138)
一级旋转倒立摆及其控制装置的研究与实现	王来志, 杨雨浓 (145)
养老事业中商业保险的经济效率研究	
——基于 OLG 模型的分析	刘 敏 (151)
基于温网、美网与伦敦奥运会比赛的穆雷技战术分析	刘 炜, 杨 楠 (159)
基于 WSR 方法论的农村群众体育公共服务能力影响因素与评价模型	
——以重庆市为例	薛 山, 龙家勇 (164)

• 教学研究与改革 •

食品专业博士研究生主文献资源库的建设探讨 ...	钟金锋, 覃小丽, 张甫生, 郑 炯, 阚建全 (169)
用数理统计的方法对《固体物理》课程教学改革效果的评估	
.....	黄云霞, 李智敏, 黄 伟, 张茂林, 李桂芳 (174)
构建多学科竞赛平台 培养实践创新人才	樊 利, 丁珠玉, 唐 曦, 邓 涛 (178)
教学方法对大学生体质健康的影响	
——生命化体质健康教学法和传统教学法的比对研究	冯庆梅, 余中华 (183)
高校公共体育教学质量下降成因及对策	彭仁兰, 杨 楠 (188)

JOURNAL OF SOUTHWEST CHINA NORMAL UNIVERSITY (NATURAL SCIENCE EDITION)

Vol. 41 No. 8

Total No. 233

Aug. 20, 2016

CONTENTS

Sequences of Lower Bounds for Minimum Eigenvalue of Hadamard Product of Nonsingular M -Matrices	ZHAO Jian-xing, SANG Cai-li (001)
On Upper Triangular Matrix with All Diagonal Elements as Scalar-Idempotent Matrix and Its Application	ZHANG Zong-jie, WU Yan (006)
On a Finite p -Groups with Minimal Centralizers of Nonabelian Subgroups	XUE Hai-bo, LV Heng (012)
On Extreme Values of Second Atom-bond Connectivity Index for Trees	WU Lin, HU Yu-mei (016)
On Vertex-Distinguishing Total Coloring of $K_{2n+1} \setminus E(K_{1,m})$	WANG Wen-jie, ZHANG Wei-dong, LI Mu-chun (020)
On New Oscillation Criteria for Second Order Nonlinear Neutral Delay Differential Equations	LIN Dan-ling, QU Hai-dong (026)
On Existence of Solutions for a Class of Quasilinear Elliptic Equations Involving Concave and Convex Nonlinearities-Arities	SUN Jiao-jiao, CHU Chang-mu (033)
Remark on log-Minkowski Inequality	MA Lei (038)
Determination of β -Sitosterol Content of Herba Plumbaginis Zeylanicae in Different Cultivated Conditions by HPLC-ELSD	DAI Xian-zhi, REN Chao-qin, LIU Yuan (042)
On Genome-scale Identification and Expression Analysis of LEA Genes in Poplar	LI Jun, ZHAO Ai-chun, LIU Chang-ying, WANG Xi-ling, LIU Xiao-qing, YU Mao-de (048)
GIS-Based Research on Drought Disaster of Winter Wheat Risk Zoning ——A Case Study of Winter Wheat Region in Sichuan	ZHANG Han, LI Jin-jian, ZHENG Hao (057)
Correlation Analysis of Atmospheric Pollutants and Meteorological Factors in Beibei Area of Chongqing	LI Qiang, JI Li, MA Jun, HE Sui, ZHANG Shuang, SI Yun-yan (064)
On Application of Library Information Resources on Basic of AHP-IEM Model ——Taking Southwest University Library as an Example	ZHOU Yan (073)
Analysis on Characteristics and Differences of Livelihood Capitals between Immigrants and Aborigines in Three Gorges Reservoir Area——A Case Study of Wanzhou, Chongqing	CUI Shi-yu, XU Ding-de, PENG Li, LIU Shao-quan (080)

On Micro-Scale Analysis of Economic Development Zone Land Use Pattern Change	
——A Case Study of Qingyuan Development Zone in Guangdong	LI Can, WU Shun-hui, SUN Chuan-zhun, DING Hua-xiang, ZHANG Chi, WANG Yu-lin(087)
On Risk Assessment of Land Reserve Financing on Improved Entropy Method	
——A Case Study of Jiangbei in Chongqing	LIAO Wen-ting, HE Duo-xing, TANG Ao, ZHONG Rui(095)
On Institutional Environment, Accounting Conservatism and Enterprise Investment Efficiency	DENG Na(101)
On ART Based Strong Noise Robust Fast Image Matching Algorithm	LIU Nei-mei(106)
Analysis of Influence of Dot Gain on Printing Products Color	TANG Yao-cun, HU Bin(114)
Research and Simulation on Trade-off between Accuracy and Delay in UWB Navigation	
	LIU Zhi-liang, ZHANG De-sheng(119)
On Spatial Distribution Feature of High-Speed Railway Stations in China	FANG Ying-bo, YI Wen-fang(126)
Local Network Intrusion Detection Algorithm Based on Empirical Mode Decomposition	LI Xiang(132)
On Fault Location of Outer Sheath of Power Cable	XIONG Bi-feng, TANG Chao, WANG Qian, ZHU Shi-ping, LI Xu, ZHANG Song(138)
Research and Implementation of a Rotary Inverted Pendulum and Its Control Device	WANG Lai-zhi, YANG Yu-long(145)
On Economic Efficiency of Commercial Insurance in Pension Business	
——Based on Analysis of OLG model	LIU Min(151)
Analysis of Murray's Skills and Tactics in the Wimbledon Championships, London Olympic Games and U. S. Open Tennis	LIU Wei, YANG Lan(159)
On Influential Factors and Evaluation Model of Rural Mass Sports Public Service Ability Based on WSR Methodology	
——With Chongqing as an Example	XUE Shan, LONG Jia-yong(164)
On Construction of "Main Literature Resources" System for Ph. D. Students in Food Major	ZHONG Jin-feng, QIN Xiao-li, ZHANG Fu-sheng, ZHENG Jiong, KAN Jian-quan(169)
On Evaluation of Reform in Teaching of Solid State Physics via Mathematical Statistics Method	HUANG Yun-xia, LI Zhi-min, HUANG Wei, ZHANG Mao-lin, LI Gui-fang(174)
On Construction of Multi-disciplinary Competition Platform for Cultivating Practical Innovative Talents	
	FAN Li, DING Zhu-yu, TANG Xi, DENG Tao(178)
The Influence of Teaching Methods on College Students' Physical Health	
——Comparison between Life and Physical Health Teaching Methods and Traditional Teaching Methods	FENG Qing-mei, YU Zhong-hua(183)
On Declination of Sports Teaching Quality of University Students and Its Counter-Measures	
	PENG Ren-lan, YANG Nan(188)