

目 次

- 粉末 ZnS 样品的高压原位阻抗谱研究 杨洁, 王月(1)
正则图的符号边控制数 赵凌琪, 王丽, 吉日木图(5)
椭圆曲线的带调节参数的 Bézier 曲线逼近 王晶昕, 牛鑫(8)
克莱罗型常微分方程 1-参数族的一种新的分类 许静波(11)
关于多元插值适定性问题研究 余震果, 李丽, 李婷, 崔利宏(15)
CoPt 磁性颗粒膜本征应力的研究 刘洋, 杨艳婷, 冯博, 刘晓艳, 杨景海(18)
具有 Sobolev 临界指数的双调和方程解的存在性 胡爱莲(21)
鬼臼毒素的荧光光谱法研究 孙艳涛, 毕淑云, 姜大雨, 景玉, 阎永胜(26)
锌配合物 $\{[Zn_2(HSal)_2(Sal)(DPPZ)_2]_2[Zn_4(Sal)_4(DPPZ)_4]\} \cdot 4H_2O$ 的水热合成与晶体结构
..... 高林, 于洋, 张远, 隽永峰, 崔远成, 李秀颖, 车广波(30)
一类图匹配等价完整刻画 乔友付, 詹福琴(34)
几类函数的可测性判定 陈敏(37)
退火时间对纳米 CoFe₂O₄/SiO₂ 复合薄膜结构和磁性的影响
..... 刘宇, 沈伟霞, 刘梅, 李海波(40)
水分胁迫对小麦幼苗生长及抗氧化能力影响 费明慧(43)
盐酸体系中几种含氧化合物对碳钢缓蚀作用的研究 杜娟(45)
依色林对蛙骨骼肌收缩影响的研究 孟惠平, 蔡元元, 李华(47)
福清市商业基准地价评估 曾月娥, 伍世代(49)
冷中子衍射的研究 唐厚礼, 吴向尧, 吴义恒, 孟祥伟, 黄培库, 王光怀(52)
牛顿绝对时空观和爱因斯坦相对时空观的统一 殷业(56)
两种振子模型中晶格横向振动的差异 陈三, 张建伟(62)
基于网络协议仿真系统的 ARP 攻击原理分析 董延华, 李爽, 宋珊(65)

局域网线路故障规律研究	胡清桂(67)
多元线性模型在平衡损失下的 UMRE 估计的存在性	吴慧丽(70)
双重逆极限空间上移位映射的一些动力性质	李春沅(74)
基于九种分布的 Jeffreys 后验规律研究	杨艳秋,宋立新(77)
时间序列格兰杰因果性的图模型识别方法	魏岳嵩,杜翠真(81)
一类海气振子 ENSO 模型的另一种解法	韩联郡,于长生(85)
关于 r —循环矩阵求逆的一种快速算法	蒋加清(88)
重力场流分离效果影响因素Ⅱ	邵丽颖,蒋东霖(91)
部分亚健康状态人群中运动干预及科学指导的研究现状	李 蕾(94)
一维形貌检测结果的倾斜校正	英昌盛(98)
核、幔非均匀膨胀过程中的地核超速自转	袁立新(101)
体育课准备活动中本体感觉神经肌肉促进方法的运用形式及内容	顾亚婷(110)
一类奇完全数的一个性质	张四保(114)
从第 29 届奥运会射击比赛成绩看中国射击队的优势与差距	杨大伟,郭立平(115)
论教育技术能力与创新人才培养的关系	赵梦笔(117)
中俄女子网球选手存在差距的原因分析	赵海权(120)
长白山满族旅游休闲文化遗址 NIS 空间结构构建	张 顺(124)
吉林省旅游竞争力及可持续发展研究	徐 谳(127)
篮球运动员罚篮注视点的实验研究与几何分析	王恩泉(130)
一种基于 MEMS 技术的压力传感器芯片设计	王大军,李淮江(133)
吉林省农村居民体育消费现状的调查研究	郭立平(137)
新形势下时间序列分析课程教学模式的探索与实践	徐 宝,腾 飞(140)
信息技术教育方向(专业)课程设置问题研究	毕景刚(143)
中学化学实验教学现状调查及思考	李淑丽(146)
影响中国女排运动员拦网高度的因素分析	郑俊秋(148)
拓展运动融入高校体育教学改革的探讨	裴悦同(150)
价值澄清理论对饭店管理课程教学中应用研究	祁 丽(153)

CONTENTS

No. 1 2011

Journal of Jilin Normal University(Natural Science Edition)

Sum 114

In Situ Electrical Impedance Measurements of Powered ZnS under High Pressure	YANG Jie, WANG Yue(4)
Bézier Curve with Modification Parameters Approximation to Ellipse Curves	WANG Jing-xin, NIU Xin(10)
A New Classification of 1-parameter Family of Ordinary Differential Equations of Clairaut Type	XU Jing-bo(14)
Signed Edge Domination Number of Regular Graphs	ZHAO Ling-qi, WANG Li, JIRI Mu-tu(14)
Study of Intrinsic Strain of CoPt Nanocomposite Films	LIU Yang, YANG Yan-ting, FENG Bo, LIU Xiao-yan, YANG Jing-hai(20)
Existence of Nontrivial Solution for Biharmonic Problems Involving Critical Sobolev Exponent	HU Ai-lian(25)
Some Researches on Property for Multivariate Interpolation	YU Zhen-guo, LI Li, LI Ting, CUI Li-hong(25)
Hydrothermal Synthesis and Crystal Structure of a New Zinc Complex $\{[Zn_2(HSal)_2(Sal)(DPPZ)_2]_2[Zn_4(Sal)_4(DPPZ)_4]\} \cdot 4H_2O$	GAO Lin, YU Yang, ZHANG Yuan, ZANG Yong-feng, CUI Yun-cheng, LI Xiu-ying, CHE Guang-bo(33)
Studies on the Podophyllotoxin by Fluorescence Spectral Methods	SUN Yan-tao, BI Shu-yun, JIANG Da-yu, YU Jing, YAN Yong-sheng(33)
Determination of a Few Functions' Measurability	CHEN Min(39)
A Completely Characterization for Matching Equivalent Classes of Some Graphs	QIAO You-fu, ZHAN Fu-qin(39)
Effect of Annealing Time on the Structure and Magnetic Properties of $CoFe_2O_4/SiO_2$ Nanocomposite Films	LIU Yu, SHEN Wei-xia, LIU Mei, LI Hai-bo(42)
Study of Inhibition of Several Contain Oxygen Compounds on Carbon Steel in HCl Solution	DU Juan(46)
Study on Impact of Frog Skeletal Muscle Contractionon by Eserine	MENG Hui-ping, CAI Yuan-yuan, LI Hua(48)
Research on Double-slit Diffraction of Cool Neuron	TANG Hou-li, WU Xiang-yao, WU Yi-heng, MENG Xiang-wei, HUANG Pei-ku, WANG Guang-huai(55)
Unification of Newton's Absolute Space-time Viewpoint and Einstein's Relative Space-time Viewpoint	YIN Ye(61)
Effect of Water Stress on Seeding Growth and Antioxidant Ability of Wheat	FEI Ming-hui(61)
Differences in Transverse Vibration of Lattice in Two Oscillator Models	CHEN San, ZHANG Jian-wei(64)
Research of the Line Fault in the Local Area Network	HU Qing-gui(69)
Commercial Standard Land Price Classification Study in Fugqing City	ZENG Yue-e, WU Shi-dai(69)
Existence of UMRE Estimator in Multivariate Linear Models under Balanced Loss Function	WU Hui-li(73)
Some Dynamical Properties of the Shift Maps on the Inverse Limit Spases	LI Chun-yuan(76)
Research the Law of Nine Distributions, Jeffreys Posterior	YANG Yan-qiu, SONG Li-xin(80)
Identification Granger Causality of Time Series based on Graphical Models	WEI Yue-song, DU Cui-zhen(84)
Another Method to Solve a Sea-air Oscillator Model for the ENSO	HAN Lian-jun, YU Chang-sheng(87)
Simulation of ARP Attack based on Network Protocol System	DONG Yan-hua, LI Shuang, SONG Shan(87)
On a Fast Algorithm for Computing the Inverse of r -cyclic Matrix	JIANG Jia-qing(90)
Study on Factors II Affecting the Gravitational Field Flow Fractionation	SHAO Li-ying, JIANG Dong-lin(93)
Tilt Correction of the Result of One-dimensional Appearance Detection	YING Chang-sheng(100)
Exceed Speed Rotation of the Earth's Inner Core in the Course of Non-uniform Expansion for the Inner Core and Mantle Inertia	YUAN Li-xin(109)
Research of Exercise Intervention and Scientific Guidance on Part of the Subhealth Population	LI Lei(109)
A Property on a Kind of Odd Perfect Number	ZHANG Si-bao(112)
Physical Activity for Proprioceptive Neuromuscular Facilitation Methods in the Use of Form and Content	GU Ya-ting(114)
Expond the Relation between "Educational Technique Ability" and "Train Innovation Person"	ZHAO Meng-bi(119)
To See the Advantage and the Gap of Chinese Shooting Team From the Achievement of the Shooting Competition in the 29th Olympic Games	YANG Da-wei, GUO Li-ping(119)
Analysis on Reasons of Athletic Performance Contrast between Chinese Female Netmen and their Russian Counterparts during the Chinese Open Tennis Championships	ZHAO Hai-quan(123)
Construct NIS Spatial Structure of Leisure and Cultural Sites in Changbai Mountain	ZHANG Shun(126)
Analysis and Sustainable Development of Jilin Province Tourism Competitiveness	XU Zhe(129)
Design of Silicon Piezoresistive Pressure Sensor ChipBased on MEMS Technology	WANG Da-jun, LI Huai-jiang(136)
Experimental Study and Geometrical Analysis on the Aiming Point of Free Throws	WANG En-quan(136)
Investigation on Current Situation of Sports Consumption in Rural Areas in Jilin Province	GUO Li-ping(139)
Exploration and Practice of Teaching Pattern of Time Series Analysis under New Station	XU Bao, TENG Fei(142)
Research the Problem of Information Technique Education Profession Course Establishes	BI Jing-gang(145)
Discussion on the Integrating of Outward Border Exercise into College PE Teaching	PEI Yue-tong, TONG Yuan-tang(152)
Investigtion and Consider of Chemical Experiment Teaching in Middle School	LI Shu-li(152)
Application Research of Value Clarification on the School Teaching of Hotel Management Course	QI Li(156)
Analysis on the Factors of Affecting Chinese Female Volleyball Players' Block Heights	ZHEN Jun-qiu(156)
