



ISSN 0253-987X

CN 61-1069/T

CODEN HCTPDW

西安交通大学学报

JOURNAL OF XI'AN JIAOTONG UNIVERSITY

1960年3月创刊（月刊） 2012年10月10日出版

2012

Vol. 46 No.

10

作者已将版权转给本刊
未经本刊许可不得转载

目 次

气体放电管直流击穿电压测量技术的研究

..... 姚学玲,杜志航,杨志豪,陈景亮(1)

三相四桥臂并联逆变器的零序电流建模与控制

..... 王先为,卓放(8)

往复式开关磁阻直线电机的效率最大化控制

..... 陈梁远,李黎川(15)

考虑自支持度和互支持度的多传感器一致性测度算子

..... 司刚全,张寅松,娄勇(20)

一种高效的用于话题检测的关键词元聚类方法

..... 杨攀,桂小林,田丰,王刚(24)

可变视场下的火灾探测算法

..... 张进华,李婷,王孙安,李小虎(29)

手机短信远程控制灌溉系统

..... 霍战鹏,魏正英,张梦,席贞强(36)

真并发等价性下的流程模型转换方法

..... 张曼,段振华(42)

P2P流媒体邻居节点组织与行为预测

..... 苏杭,王劲林,尤佳莉(48)

采用 k -均值聚类算法的资源搜索模型研究

..... 邵必林,边根庆,张维琪,闫瑾(55)

采用局部凸性和八叉树的点云分割算法

..... 傅欢,梁力,王飞,赵季中(60)

多输入多输出非线性系统 Volterra 频域核的非参数辨识方法

..... 韩海涛,马红光,曹建福,张家良(66)

递推人工蜂群的模糊划分熵多阈值分割算法

..... 尹诗白,赵祥模,王卫星,王一斌(72)

重叠 Nakagami- m 信道协作通信最优功率分配方案

..... 官丰奎,叶鹏(78)

利用区域划分的合成孔径雷达图像相干斑抑制算法

..... 朱磊,水鹏朗,章为川,周忠根(83)

双层网络中一种协作博弈的动态资源分配方法

..... 宋婧,丛犁,葛建华,李靖(89)

Nakagami- m 信道下认知中继网络的中断概率上界闭式解模型

..... 刘阳,冯志勇,尉志清,张平(95)

压制干扰下雷达网点目标概率多假设跟踪算法

..... 李世忠,王国宏,白晶,吴巍(101)

纳米尺度激光紧聚焦光穿孔技术

..... 梁晓轩,王晶,张镇西(107)

三维微流道支架直接压印成形方法

..... 王焯,贺健康,刘亚雄,庞师坤,张文友,李涤尘(116)

PEGDA 水凝胶的光固化成形工艺及其性能评价

..... 朱林重,连芬,靳忠民,张维杰,李涤尘(121)

交会对接航天员训练仿真误差分析

..... 晁建刚,沈钧毅,徐晓静(127)

CONTENTS

- Measuring Technology for DC Breakdown Voltage of Gas Discharge Tubes
..... YAO Xueling, DU Zhihang, YANG Zhihao, CHEN Jingliang(1)
- Modeling and Control of Zero Sequence Current in Paralleled Three-Phase Four-Leg Inverter
..... WANG Xiamwei, ZHUO Fang(8)
- Maximum Efficiency Control for Reciprocating Linear Switched Reluctance Motor
..... CHEN Liangyuan, LI Lichuan(15)
- Measuring Operator Considering Self-Support and Mutual-Support for Estimating Consistency of Multi-Sensor Observations
..... SI Gangquan, ZHANG Yinsong, LOU Yong(20)
- Efficient Keywords Clustering Method for Topic Detection YANG Pan, GUI Xiaolin, TIAN Feng, WANG Gang(24)
- An Early Detection Algorithm for Small Flame Based on Vision System with Variant Field of View
..... ZHANG Jinhua, LI Ting, WANG Sun'an, LI Xiaohu(29)
- An Irrigation System with Short Message Remote Control
..... HUO Zhanpeng, WEI Zhengying, ZHANG Meng, XI Zhenqiang(36)
- Transformation of Process Models under True Concurrency Equivalence ZHANG Man, DUAN Zhenhua(42)
- Neighbor Peer Organization and Behavior Prediction of P2P Streaming Systems
..... SU Hang, WANG Jinlin, YOU Jiali(48)
- A Resource Search Model Using k -Means Clustering Analysis
..... SHAO Bilin, BIAN Genqing, ZHANG Weiqi, YAN Jin(55)
- A Point Cloud Segmentation Algorithm Using Local Convexity and Octree
..... FU Huan, LIANG Li, WANG Fei, ZHAO Jizhong(60)
- A Non-Parametric Identification Method of Volterra Frequency Domain Kernels for MIMO Nonlinear System
..... HAN Haitao, MA Hongguang, CAO Jianfu, ZHANG Jialiang(66)
- A Fuzzy Partition Entropy Approach for Multi-Thresholding Segmentation Based on the Recursive Artificial Bee Colony Algorithm YIN Shibai, ZHAO Xiangmo, WANG Weixing, WANG Yibin(72)
- An Optimal Power Allocation Scheme for Cooperative Communications Over Double Nakagami- m Fading Channels
..... GONG Fengkui, YE Peng(78)
- A Despeckling Algorithm for Synthetic Aperture Radar Images Using Region Subdivision
..... ZHU Lei, SHUI Penglang, ZHANG Weichuan, ZHOU Zhonggen(83)
- A Dynamic Resource Allocation Approach Using Cooperative Game Theory for Two-Tie Networks
..... SONG Jing, CONG Li, GE Jianhua, LI Jing(89)
- A Closed-Form of Upper Bound for Outage Probability in Cognitive Relay Networks Based on Nakagami- m Fading Channels
..... LIU Yang, FENG Zhiyong, WEI Zhiqing, ZHANG Ping(95)
- A Tracking Algorithm with Multiple Probabilities Hypothesis for Radar Network Point Target in the Presence of Suppressive Jamming LI Shizhong, WANG Guohong, BAI Jing, WU Wei(101)
- Nano-Scale Photoporation by Tightly Focused Lasers: A Survey
..... LIANG Xiaoxuan, WANG Jing, ZHANG Zhenxi(107)
- Direct Imprinting of Three-Dimensional Microfluidic Scaffolds
..... WANG Ye, HE Jiankang, LIU Yaxiong, PANG Shikun, ZHANG Wenyong, LI Dichen(116)
- Fabrication and Evaluation of PEGDA Hydrogel by Stereo-Lithography for Cartilage Tissue Engineering
..... ZHU Linzhong, LIAN Qin, JIN Zhongmin, ZHANG Weijie, LI Dichen(121)
- Errors Analysis of Rendezvous and Docking Training Simulation
..... CHAO Jiangang, SHEN Junyi, XU Xiaojing(127)