



ISSN 1002-8331

CODEN JGYYAT

Vol.48 No.20 11 Jul.2012

计算机工程与应用

Computer Engineering and Applications

全国计算机类中文核心期刊

中国期刊方阵双效期刊

中国精品科技期刊

工业和信息化部精品科技期刊

中国学术期刊文摘源期刊

中国计算机学会会刊

英国SA/INSPEC收录期刊

俄罗斯《文摘杂志》收录期刊

美国《剑桥科学文摘》收录期刊

美国《乌利希期刊指南》收录期刊

波兰《哥白尼索引》收录期刊

《日本科学技术社中国文献数据库》收录期刊

20

2012年

华北计算技术研究所

计算机工程与应用

Jisuanji Gongcheng yu Yingyong

第48卷 第20期 2012年7月11日

目 次

·博士论坛·

- 遗传算法对 Powell 图像配准方法的改进 李 伟, 何鹏举, 杨 恒, 陈 明(1)
基于 EZW 算法的遥感影像网络渐进传输 卞燕山, 邹 鹏(6)
基于距离和密度的时间序列异常检测方法研究 孙梅玉(11)
复杂体制雷达辐射源信号特征的 FAHP 评价 朱 斌, 金炜东, 余志斌(18)
一种改进的 OFDM 符号定时同步算法 赵海龙, 张 健, 周 劲(23)
一种 Markov 模型在协同克里格中的新应用 张 挺, 杜 奕(28)
合作博弈下医药物流联盟节点决策模型及算法 胡正东, 李夏苗, 李利华, 王国明(32)

·研究、探讨·

- 可重构多核片上系统体系结构综述 唐 柳, 黄樟钦, 侯义斌, 方凤才(39)
基于拥挤度的参数自适应蚁群系统 牟廉明(46)
基于改进极限学习机的软测量建模方法 张东娟, 丁煜函, 刘国海, 梅从立(51)
求解矩阵特征值的捕鱼算法 陈建荣, 陈建华, 王 勇, 文志娟(55)
一种变步长双链量子遗传算法 沙林秀, 贺昱曜, 陈延伟(59)
剩余格上的 MTL-滤子及其刻画 马振明(64)

·研发、设计、测试·

- 支持向量机语音识别算法在 DM6446 上的实现 牛砚波, 张雪英, 刘晓峰(67)
基于压缩式改进迷宫算法的同构子电路提取 潘伟涛, 邱智亮(70)
一种多链式结构的 3D-SIC 过硅通孔(TSV)容错方案 王 伟, 董福弟, 陈 田, 方 芳(75)
基于 OMAP3530 的 SIP 视频监控客户端设计与实现 吕士钦, 朱晓军, 张 刚(81)
RDF 映射系统的设计与实现 吕艳辉(87)
UML 元模型图实例自动生成算法 常珊珊, 朱嘉钢, 邓跃设(91)

·网络、通信、安全·

- 考虑容量和时延约束的网络端端可靠性研究 乔晓东, 毛 志, 邓宏钟(98)
一种采用坐标交织空时编码的空间调制方案 聂仲尔, 王安国, 曲倩倩, 徐元欣(103)
Epidemic 机制下基于优先级的机会网络路由算法 孙践知, 张迎新, 陈 丹, 韩忠明(108)

数据流聚类算法在入侵检测中的应用	黄红艳,安素芳(112)
一个多级安全通道建立协议及安全性分析	曹利峰,陈性元,杜学绘,王怀鹏(117)
特殊权限下的动态门限签名方案	王建东,邹惠(123)
基于蛙跳算法的无线传感器网络节点定位	葛宇,梁静,许波,余建平(126)
无线传感器网络基于议价解的合作策略	戈军,王志超(131)
多维敏感属性隐私保护数据发布方法	王胜和,王佳俊,刘腾腾,倪巍伟(136)
移动网格环境下可靠任务调度研究	杜丽娟,鞠宏军(142)

·数据库、信号与信息处理·

一种改进的 RBF 神经网络参数优化方法	张辉,柴毅(146)
一种改进的 D-S 证据理论合成方法	杨靖,林益,洪露,李泽滔(150)
超声回波信号包络相关时延估计优化算法	王宏江,郭会军,李军怀(154)
实值信息系统的属性约简	黄小刚,陈子春(158)
一种 HHT 谱矩阵的车内噪声语音端点检测	刘柏森,卢志茂,金辉,孙美玲(164)
基于杂交粒子群算法的 FIR 数字滤波器设计	王瑞峰,孔维珍,占雪梅(168)
不完备数据下的免疫分类算法	舒才良,严宣辉,曾庆盛(172)
一种 XML 的树匹配改进方法	于亚君,姜瑛(177)

·图形、图像、模式识别·

一种改进和提取 Zernike 特征矩的方法	陈玲,李熙莹,罗玲(182)
危险源监控视频关键帧提取初步研究	王华东,刘国柱,李朝玲(187)
一种新的高精度的 L-M 基本矩阵估计算法	毛雁明,冯乔生(191)
结合 NSCT 和改进 BP 网络的超分辨率图像重建	符立梅,彭国华(195)
基于 SVD 和 Radon 变换的抗旋转攻击盲水印算法	何冰(200)
一种改进的运动目标检测方法	杨会锋,曹洁,帅立国(206)
基于模糊不变矩的复制粘贴伪造检测方法	许国栋,李峰,熊兵,殷芸茗(211)

·工程与应用·

改进型粒子群优化算法求解车辆径优化问题	李德富,郭海湘,刘龙辉,李伟伟(216)
非线性切换系统子控制器切换律设计	王霞,唐予军,王培光(224)
径向基函数网络与 GIS/RS 融合的 UGB 预测	张世良,叶必雄,肖守中(227)
带扰动和未知参数混沌系统变量函数向量同步	李宁(232)
一类不确定非线性系统自适应模糊滑模控制	吕辉,刘恒,向伟(236)
基于 Petri 网的煤矿斜巷监控系统研究	张卫武,刘卫东(240)
基于排队论的生产物流系统的仿真优化	马旭耀,秦现生,成程(244)

Computer Engineering and Applications

Vol.48 No.20 11 Jul. 2012

Contents

- Genetic algorithm improvement for Powell image registration···LI Wei, HE Pengju, YANG Heng, CHEN Ming(1)
- Progressive network transmission of remote sensing images based on EZW algorithm···BIAN Yanshan, ZOU Peng(6)
- Research on discords detect on time series based on distance and density·····SUN Meiyu(11)
- FAHP-based feature evaluation for advanced radar emitter signals·····ZHU Bin, JIN Weidong, YU Zhibin(18)
- Improved symbol timing synchronization algorithm for OFDM systems···ZHAO Hailong, ZHANG Jian, ZHOU Jie(23)
- New application of Markov model in Cokriging·····ZHANG Ting, DU Yi(28)
- Model and algorithm for nodes decision of medicine logistics alliance under cooperative game·····
..... HU Zhengdong, LI Xiamiao, LI Lihua, WANG Guoming(32)
- Reconfigurable multiprocessor system-on-chip: survey of architecture·····
..... TANG Liu, HUANG Zhangqin, HOU Yibin, FANG Fengcai(39)
- Parameter adaptive ant colony system based on crowding degree·····MOU Lianming(46)
- Soft sensor modeling based on improved extreme learning machine algorithm·····
..... ZHANG Dongjuan, DING Yuhan, LIU Guohai, MEI Congli(51)
- Simulating fishing optimization algorithm for solving matrix eigenvalues·····
..... CHEN Jianrong, CHEN Jianhua, WANG Yong, WEN Zhijuan(55)
- Variable step double chains quantum genetic algorithm·····SHA Linxiu, HE Yuyao, CHEN Yanwei(59)
- MTL-filters and their characterizations in residuated lattices·····MA Zhenming(64)
- SVMs speech recognition algorithm implementation on DM6446···NIU Yanbo, ZHANG Xueying, LIU Xiaofeng(67)
- Algorithm based on compressed improved maze-algorithm for isomorphic subcircuit recognition·····
..... PAN Weitao, QIU Zhiliang(70)
- 3D-SIC TSV fault-tolerant scheme based on multi-chains···WANG Wei, DONG Fudi, CHEN Tian, FANG Fang(75)
- SIP video monitoring client design and implementation based on OMAP3530·····
..... LV Shiqin, ZHU Xiaojun, ZHANG Gang(81)
- Design and implementation of RDF mapping system·····LV Yanhui(87)
- Algorithm for generating instances from given UML meta-model···CHANG Shanshan, ZHU Jiagang, DENG Yueshe(91)
- Study on network terminal to terminal reliability under capacity and delay constraint·····
..... QIAO Xiaodong, MAO Zhi, DENG Hongzhong(98)
- Coordinate interleaved space time coded spatial modulation scheme·····
..... NIE Zhong'er, WANG Anguo, QU Qianqian, XU Yuanxin(103)
- Routing scheme of opportunistic network with Epidemic based on priority strategy·····
..... SUN Jianzhi, ZHANG Yingxin, CHEN Dan, HAN Zhongming(108)
- Application of data stream clustering algorithm in intrusion detection·····HUANG Hongyan, AN Sufang(112)
- Multi-level secure tunnel establishment protocol and its security analysis·····
..... CAO Lifeng, CHEN Xingyuan, DU Xuehui, WANG Huapeng(117)
- Dynamic threshold signature scheme under special access right·····WANG Jiandong, ZOU Hui(123)

- Wireless sensor network node localization based on shuffled frog leaping algorithm.....GE Yu, LIANG Jing, XU Bo, YU Jianping(126)
- Cooperation strategy based on bargaining solution in wireless sensor networks.....GE Jun, WANG Zhichao(131)
- Privacy-preserving data publishing method for dataset with multi-dimensional sensitive attributes.....WANG Shenghe, WANG Jiajun, LIU Tengteng, NI Weiwei(136)
- Reliable task scheduling in mobile grid.....DU Lijuan, JU Hongjun(142)
- Improved method for RBF neural network parameters optimization.....ZHANG Hui, CHAI Yi(146)
- Improved method to D-S evidence theory based on weight and matrix.....YANG Jing, LIN Yi, HONG Lu, LI Zetao(150)
- Optimization algorithm of TDE based on ultrasonic echo envelope correlation.....WANG Hongjiang, GUO Huijun, Li Junhuai(154)
- Attribute reduction in real-valued information systems.....HUANG Xiaogang, CHEN Zichun(158)
- Voice activity detection with vehicle interior noise based on Hilbert-Huang transform spectral matrix.....LIU Baisen, LU Zhimao, JIN Hui, SUN Meiling(164)
- FIR digital filter design based on crossbreeding particle swarm optimization algorithm.....WANG Ruijing, KONG Weizhen, ZHAN Xuemei(168)
- Immune classification algorithm under incomplete data.....SHU Cailiang, YAN Xuanhui, ZENG Qingsheng(172)
- Improved method of tree matching using XML.....YU Yajun, JIANG Ying(177)
- Method of modification and feature selection of Zernike moment.....CHEN Ling, LI Xiying, LUO Ling(182)
- Study of key frame extraction from hazard installation monitoring video.....WANG Huadong, LIU Guozhu, LI Zhaoling(187)
- New L-M algorithm with high accuracy for estimating fundamental matrix.....MAO Yanming, FENG Qiaosheng(191)
- Super-resolution reconstruction of image via NSCT and improved BP network.....FU Limei, PENG Guohua(195)
- Blind watermarking algorithm against rotation attack based on SVD and radon transform.....HE Bing(200)
- Improved method for moving target detection.....YANG Huifeng, CAO Jie, SHUAI Liguo(206)
- Method of copy-move forgery detection based on blur moment invariants.....XU Guodong, LI Feng, XIONG Bing, YIN Changming(211)
- Resolving vehicle routing problem with improved sweep-particle swarm optimization algorithm.....LI Defu, GUO Haixiang, LIU Longhui, LI Weiwei(216)
- Switching law design for candidate controllers of switched nonlinear systems.....WANG Xia, TANG Yujun, WANG Peiguang(224)
- Prediction UGB based on integration of GIS/RS and radial basis function network.....ZHANG Shiliang, YE Bixiong, XIAO Shouzhong(227)
- Function vector synchronization of a class of uncertain chaotic systems with disturbance and uncertain parameters.....LI Ning(232)
- Adaptive fuzzy sliding mode control scheme for a class of uncertain nonlinear systems.....LV Hui, LIU Heng, XIANG Wei(236)
- Research of inclined shaft monitoring and control system of coal mine based on Petri net.....ZHANG Weiwu, LIU Weidong(240)
- Simulation optimization based on production of queuing theory of logistics system.....MA Xuyao, QIN Xiansheng, CHENG Cheng(244)