

计算机工程与应用

Jisuanji Gongcheng yu Yingyong

第47卷 第14期 2011年5月11日

目 次

·博士论坛·

语义特征建模系统中操作局部化的研究.....	金英浩,孙立镌(1)
分布式超级节点选举算法.....	杜丽娟,余镇危(4)
无向哈密顿图的一个充分必要条件及计算公式.....	侯爱民,郝志峰(7)
基于RSSI误差分析的无线传感器网络定位研究.....	陈三风,陈万明(10)
复杂背景下的人体热图像分割.....	谭建辉,潘保昌(13)
超声电机参数摄动与广义预测控制.....	张建桃,张铁民,梁莉,文晨(17)
掌纹感兴趣区域定位与选择方法综述.....	林森,苑玮琦(21)

·研究、探讨·

参数最优化的GM(1,1)模型.....	李蔚(25)
基于差异进化的克隆选择算法.....	彭伟雄,蔡自兴,王勇,刘星宝(28)
基于协同进化的自适应遗传算法研究.....	刘文远,刘彬(31)
模拟退火蚁群算法求解二次分配问题.....	朱经纬,芮挺,蒋新胜,张金林(34)
一种自适应指导的文化粒子群算法.....	陶新民,杨立标(37)
基于蕴涵算子族 NM_p 的反向三I支持算法.....	汤磊,屈克(42)
基于隶属云模型蚁群算法与LK搜索的TSP求解.....	张煜东,吴乐南,王水花,韦耿,颜俊,朱庆(46)
改进型粒子群算法及其在选址问题中的应用.....	刘峰,王建芳,李金莱(56)
基于均匀设计的改进细菌群体趋药性算法.....	孟伟东,杨凡,黄永青,叶增炉(59)

·网络、通信、安全·

融合小生境遗传禁忌的多目标网格调度研究.....	陈友文,李智勇,任长安(62)
累积链路质量无线传感器网络路由算法研究.....	袁正午,梁均军(66)
基于RSA密码体制的门限代理签名.....	黄梅娟,胡江红,张建中(70)
基于SOM的无线通信话务量最优加权组合预测.....	魏静,李恒超,范平志(73)
一种端到端的有效带宽测量方法.....	石祥滨,谭俏男,杜玲(76)
Ad Hoc网络中改进的能量意识的多径AODV算法研究.....	沈明玉,杨帆(80)
基于SPEA2+算法的Web服务选择研究.....	李金忠,曾劲涛,夏洁武,罗文浪(83)
Rapido网络路由分配策略的优化和改进.....	蔡炜,张建东,蔡惠智(87)
射频识别系统通信链路仿真与测试.....	郭凤鸣,余波,李兵(91)
基于局域世界演化的BBV模型研究.....	周健,李世伟,程克勤(95)
利用蚁群聚类检测应用层DDoS攻击的方法.....	张纹华,贾智平,李新(99)
基于HSDPA的增强型分组调度算法研究.....	周莲英,霍婷婷(103)
一种针对节点剩余能量的组播密钥管理方案.....	范书平,马宝英,姚念民(106)
无线传感器网络中基于RSSI的加权DV-HOP定位方法.....	周小波,乔钢柱,曾建潮(109)

·数据库、信号与信息处理·

- 估计相干与非相干信源的ESPRIT方法研究..... 韩冲, 廉保旺, 莱会甫(112)
基于分形维数的非常规决策表的属性约简..... 朱颤东, 张明慧, 李红婵(115)
MCLT新型快速算法..... 王浩, 郑均安, 章品正(118)
一种认知无线电的分布式合作频谱检测方法..... 刘四喜, 何选森(121)
基于最优邻域图的等距映射流形学习算法..... 张银凤, 王晅, 马建峰(124)
一种改进的分解-合并聚类方法..... 安世全, 丁进标, 高涛(128)
基于分形维的语音去噪与音节分割..... 潘峰, 丁娜娜, 吕鹏, 申军伟(131)
基于元音检测的汉语连续语音声韵母分割..... 王艳, 冯宏伟, 张利平, 忽满利(134)
一阶自回归模型中噪声改善信号的相关性..... 王友国, 罗辑, 刘洪伟(137)
随机信息系统属性相关性及在知识约简中的应用..... 周彤, 张家录(140)
遗传优化的谱聚类方法研究..... 王会青, 陈俊杰, 郭凯(143)
子空间与维纳滤波相结合的语音增强方法..... 张雪英, 贾海蓉, 斯晨升(146)
并行的关联规则增量式更新优化算法研究..... 陈秋阳, 金连甫(149)
一种基于粒运算的文本情感分类方法研究..... 张霞, 王素贞, 许鸣珠(152)

·图形、图像、模式识别·

- 一种由轮廓线重建物体表面的方法..... 陈学工, 黄伟, 季兴, 李楠(157)
两相邻带参四次Bézier曲线的近似合并..... 岳丽, 秦新强, 胡钢, 李凯(160)
帧差累积和减背景相结合的运动对象分割方法..... 韩亚伟, 张有志, 李庆涛, 熊春彬(164)
一种多特征融合的外观设计专利图像检索方法..... 张国宏, 蔡念, 楼朋旭, 戴青云(166)
基于改进SIFT算法的双目视觉SLAM研究..... 朱代先, 王晓华(170)
三维烟雾的实时模拟..... 隋连升, 葛靖青, 程荣刚(174)
PCNN和最大相关准则相结合的图像分割方法..... 邓成锦, 聂仁灿, 周冬明, 赵东风(177)
应用于聚焦窗口自适应选择的人工鱼群算法改进..... 王彦芳, 姜威(180)
长视频序列拼接..... 郭李云, 欧阳宁, 莫建文(183)
基于自适应预处理和PCA的人脸识别方法的研究..... 秦宏伟, 孙劲光, 王强, 林媛媛(186)
点与三角形位置关系对三角网格拓扑的影响..... 徐永安, 武杰, 梁卫松, 陈峻(189)
基于自由度分析的几何约束凝聚计算方法的改进..... 戴春来(193)
基于多尺度特征融合的SAR图像分割..... 宁慧君, 李映, 胡杰(196)

·工程与应用·

- 量子粒子群优化算法在摄像机标定中的应用..... 郁钱, 孙俊, 须文波(200)
经验模态分解和AR模型在飞行器健康诊断中的应用..... 崔建国, 郑新起, 李忠海, 李跃中, 刘利秋(204)
跨通道停止信号任务中反应抑制的实现..... 陆洁茹, 王苏弘, 董选(207)
改进GSA算法在协同制造任务分配中的应用..... 郭志明, 莫蓉, 孙惠斌, 常智勇(210)
轮对纵向蠕滑率对动车传动系统振动的影响..... 陈哲明, 曾京, 罗仁, 丁建明(214)
装卸联盟车辆路径问题及两阶段优化方法..... 杨皎平, 高雷阜, 王俊(217)
多主体组织化语义结构建模方法..... 肖清滔, 钱猛, 刘忠, 黄金才(222)
用IGA优化的直流电机的仿人智能控制..... 李楠, 陈韶飞, 薛方正, 许威(226)
多目标跟踪的混合高斯PHD滤波..... 吴盈龙, 任开创, 蔡亚东(230)
主成分在输电线路可听噪声预测中的应用研究..... 李静雅, 曹洁, 姜梅(233)
Minitab质量控制在炼钢车间的应用研究..... 侯世旺, 刘永姜, 温海骏(237)
面向钢铁企业能源流程的逐步形式化建模方法..... 赵斐, 韩旭, 乔非, 许维胜, 吴启迪(242)
贷款组合优化决策问题研究..... 许圣良, 马慧民(246)

Computer Engineering and Applications

Vol.47 No.14 11 May 2011

Contents

Research on manipulation localizing in semantic feature modeling system.....	JIN Yinghao, SUN Lijuan(1)
Algorithm for distributed super-node election.....	DU Lijuan, YU Zhenwei(4)
Sufficient and necessary condition for undirected Hamiltonian graph and its formula.....	HOU Aimin, HAO Zhifeng(7)
Localization algorithm based on analysis of RSSI error for Wireless Sensor Networks.....	CHEN Sanfeng, CHEN Wanming(10)
Algorithm of human thermal image segmentation under complicated background.....	TAN Jianhui, PAN Baochang(13)
Parameter perturbation and generalized predictive control of ultrasonic motor.....	ZHANG Jiantao, ZHANG Tiemin, LIANG Li, WEN Sheng(17)
Survey on orientation and selection methods for palmprint Region of Interest.....	LIN Sen, YUAN Weiqi(21)
GM(1,1) model with optimal parameters.....	LI Wei(25)
Clonal selection algorithm based on differential evolution.....	PENG Weixiong, CAI Zixing, WANG Yong, LIU Xingbao(28)
Adaptive genetic algorithm based on co-evolution.....	LIU Wenyuan, LIU Bin(31)
Simulated annealing ant colony algorithm for QAP.....	ZHU Jingwei, RUI Ting, JIANG Xinsheng, ZHANG Jinlin(34)
Cultural particle swarm optimization algorithm with adaptive guidance.....	TAO Xinmin, YANG Libiao(37)
Inverted triple I sustaining methods based on implication operators NM.....	TANG Lei, QU Ke(42)
Improved ant colony algorithm based on membership cloud models.....	ZHANG Yudong, WU Lenan, WANG Shuihua, WEI Geng, YAN Jun, ZHU Qing(46)
Novel particle swarm optimization algorithm and its application in solving min-max location problem.....	LIU Feng, WANG Jianfang, LI Jinlai(56)
Improved algorithm of bacterial colony chemotaxis based on uniform design.....	MENG Weidong, YANG Fan, HUANG Yongqing, YE Zenglu(59)
Multi-objective grid task scheduling algorithms based on combined strategy of Niche genetic algorithm and Tabu search.....	CHEN Youwen, LI Zhiyong, REN Chang'an(62)
Cumulative link quality routing algorithm research on WSN.....	YUAN Zhengwu, LIANG Junjun(66)
Threshold signature scheme based on RSA cryptosystems.....	HUANG Meijuan, HU Jianghong, ZHANG Jianzhong(70)
Combined prediction with optimal weight for wireless communication traffic based on SOM.....	WEI Jing, LI Hengchao, FAN Pingzhi(73)
End-to-end available bandwidth measurement methodology.....	SHI Xiangbin, TAN Qiaonan, DU Ling(76)
Improved energy-aware multi-path AODV algorithm for Ad Hoc network.....	SHEN Mingyu, YANG Fan(80)
Research on Web services selection based on SPEA2+ algorithm.....	LI Jinzhong, ZENG Jintao, XIA Jiewu, LUO Wenlang(83)
Optimization and improvement of Rapdio network routing strategy.....	CAI Wei, ZHANG Jiandong, CAI Huiyi(87)
Simulation on communication link of RFID system and measurement.....	GUO Fengming, YU Bo, LI Bing(91)
BBV weighted network evolving model research based on local-world.....	ZHOU Jian, LI Shiwei, CHENG Keqin(95)
One method for application layer DDoS detection using ant clustering.....	ZHANG Wenhua, JIA Zhiping, LI Xin(99)
Research on enhanced packet scheduling algorithm based on HSDPA.....	ZHOU Lianying, HUO Tingting(103)
Multicast key management scheme for remaining energy of nodes.....	FAN Shuping, MA Baoying, YAO Nianmin(106)
RSSI based weighted DV-HOP localization algorithm for Wireless Sensor Networks.....	ZHOU Xiaobo, QIAO Gangzhu, ZENG Jianchao(109)
Study of ESPRIT method for estimating non-coherent and coherent source.....	HAN Chong, LIAN Baowang, CAI Huiyu(112)
Attribute reduction on abnormal decision table based on fractal dimension.....	ZHU Haodong, ZHANG Minghui, LI Hongchan(115)
Fast algorithm for Modulated Complex Lapped Transform.....	WANG Hao, ZHENG Jun'an, ZHANG Pinzheng(118)
Method for detecting cognitive radio spectrum based on distributed cooperation.....	LIU Sixi, HE Xuansen(121)
Improved isometric mapping algorithm for manifold learning based on optimal neighborhood graph.....	ZHANG Yinfeng, WANG Xuan, MA Jianfeng(124)

Improved separate-and-amalgamate clustering methodology.....	AN Shiquan, DING Jinbiao, GAO Tao(128)
Speech denoising and syllable segmentation based on fractal dimension.....	PAN Feng, DING Nana, LV Peng, SHEN Junwei(131)
I/F segmentation for Chinese continuous speech based on vowel detection.....	WANG Yan, FENG Hongwei, ZHANG Liping, HU Manli(134)
Noise-improved signal correlation in autoregressive model of order one.....	WANG Youguo, LUO Ji, LIU Hongwei(137)
Relativity of attributes in random information systems and its application to knowledge reduction.....	ZHOU Tong, ZHANG Jialu(140)
Research of spectral clustering based on genetic algorithm.....	WANG Huiqing, CHEN Junjie, GUO Kai(143)
Speech enhancement method based on combination of subspace and Winner filter.....	ZHANG Xueying, JIA Hairong, JIN Chensheng(146)
Research on optimization of parallel incremental updating algorithm for association rules.....	CHEN Qiuyang, JIN Lianfu(149)
Research of Chinese text sentiment classification based on granule computing.....	ZHANG Xia, WANG Suzhen, XU Mingzhu(152)
Solution to surface reconstruction from contours.....	CHEN Xuegong, HUANG Wei, JI Xing, LI Nan(157)
Approximate merging of a pair of quartic Bézier curve with shape parameters.....	YUE Li, QIN Xinqiang, HU Gang, LI Kai(160)
Moving object segmentation method using accumulated frame difference and background subtraction.....	HAN Yawei, ZHANG Youzhi, LI Qingtao, XIONG Chunbin(164)
Image retrieval method for design patent based on multi-feature fusion.....	ZHANG Guohong, CAI Nian, LOU Pengxu, DAI Qingyun(166)
Research of Binocular vision SLAM algorithm based on improved SIFT.....	ZHU Daixian, WANG Xiaohua(170)
Real-time simulation of 3D smoke.....	SUI Liansheng, GE Jingqing, CHENG Ronggang(174)
Image segmentation algorithm combined PCNN with maximal correlative criterion.....	DENG Chengjin, NIE Rencan, ZHOU Dongming, ZHAO Dongfeng(177)
Application of artificial fish swarm algorithm on adaptive auto-focusing window selection.....	WANG Yanfang, JIANG Wei(180)
Mosaic of long video sequence.....	GUO Liyun, OUYANG Ning, MO Jianwen(183)
Research of face recognition method based on adaptive pre-processing and PCA.....	QIN Hongwei, SUN Jinguang, WANG Qiang, LIN Yuanyuan(186)
Relationship of point and triangle's influence on topology of Delaunay triangulation.....	XU Yong'an, WU Jie, LIANG Weisong, CHEN Ling(189)
Improvement of concurrent geometry constraints problem based on DOF analysis.....	DAI Chunlai(193)
SAR image segmentation based on multi-scale feature fusion.....	NING Huijun, LI Ying, HU Jie(196)
Application of Quantum-Behaved Particle Swarm Optimization in camera calibration.....	YU Qian, SUN Jun, XU Wenbo(200)
Application of EMD and AR model in health diagnosis for aircraft.....	CUI Jianguo, ZHENG Xinqi, LI Zhonghai, LI Yuezhong, LIU Liqiu(204)
Implementation of response inhibition in cross-model stop signal task.....	LU Jieru, WANG Suhong, DONG Xuan(207)
Collaborative manufacturing task assignment based on modified Genetic Simulated Annealing algorithm.....	GUO Zhiming, MO Rong, SUN Huibin, CHANG Zhiyong(210)
Effect of wheelset longitudinal slip on transmission vibration of motor car.....	CHEN Zheming, ZENG Jing, LUO Ren, DING Jianming(214)
Multiple enterprise alliance vehicle routing problem with backhauls and a two-phase approach.....	YANG Jiaoping, GAO Leifu, WANG Jun(217)
Semantic approach for modeling multi-agent-based organization.....	XIAO Qingtao, QIAN Meng, LIU Zhong, HUANG Jincai(222)
Human-simulated intelligent control of DC motor based on Improved Genetic Algorithm.....	LI Nan, CHEN Shaofei, XUE Fangzheng, XU Wei(226)
Gaussian mixture Probability Hypothesis Density filter for multiple target tracking.....	WU Panlong, REN Kaichuang, CAI Yadong(230)
Applied research of PCA method to transmission line audible noise prediction.....	LI Jingya, CAO Jie, JIANG Mei(233)
Application study on Minitab-based quality control in steelmaking plant.....	HOU Shiwang, LIU Yongjiang, WEN Haijun(237)
Gradual formalization modeling method for energy process system in iron and steel enterprises.....	ZHAO Fei, HAN Xu, QIAO Fei, XU Weisheng, WU Qidi(242)
Research of decision problem for loans combinatorial optimization.....	XU Shengliang, MA Huimin(246)