

❖ 英国《科学文摘》(INSPEC)来源期刊
 ❖ 俄罗斯《文摘杂志》(AJ)来源期刊
 ❖ 美国《乌利希期刊指南(网络版)》(Ulrichsweb)收录期刊
 ❖ 第二届国家期刊奖百种重点科技期刊
 ❖ 中国科技核心期刊 ❖ 全国中文核心期刊
 ❖ 中国科技论文统计源期刊
 ❖ 中国学术期刊综合评价数据库来源期刊
 ❖ RCCSE 核心学术期刊 ❖ 中国期刊方阵双效期刊
 ❖ 《中国工程技术电子信息网》来源期刊

❖ 《日本科学技术振兴机构数据库》(JST)来源期刊
 ❖ 美国《史蒂芬斯全文数据库》(EBSCOhost)来源期刊
 ❖ 美国《剑桥科学文摘(自然科学)》(CSA(NS))来源期刊
 ❖ 波兰《哥白尼索引》(IC)(2006—2011年)来源期刊
 ❖ 中国科学引文数据库(CSCD)2015—2016 核心期刊
 ❖ 《中文科技期刊数据库》来源期刊
 ❖ 《中国期刊网》《中国学术期刊(光盘版)》来源期刊
 ❖ 台湾《中文电子期刊服务(CEPS)资料库》全文收录期刊
 ❖ 《电子科技文献数据库》来源期刊

计算机应用研究

Jisuanji Yingyong Yanjiu

第 33 卷 第 1 期 2016 年 1 月

目 次

综述评论

云取证综述	高 运, 伏 晓, 骆 斌(1)
单类支持向量机在工业控制系统入侵检测中的应用研究综述	李 琳, 尚文利, 姚 俊, 赵剑明, 曾 鹏(7)
自发表情识别方法综述	何 俊, 何忠文, 蔡建峰, 房灵芝(12)

算法研究探讨

树突细胞算法的运行时间属性分析	王 丽, 方贤进, 刘 佳(17)
通用稀疏多核学习	张仁峰, 吴小俊, 陈素根(21)
制造资源本体的概念语义相似度研究	丁 博, 苗世迪(28)
一种基于学习自动机的推荐算法改进	荆羽纯, 葛 昊, 江 文, 王伊凡(32)
基于改进的主动逻辑与元认知环的机器人常识推理的研究	王科俊, 杜同春(35)
云中心异构服务器能耗受限下的性能优化策略	何怀文, 李文生(42)
基于遗传算法的双向搜索 Chord 算法	王 挺, 吴晓军, 张玉梅(46)
基于 T 细胞调节的免疫遗传优化算法对逆变器 PWM 控制序列的优化	王永兴, 钱淑渠, 叶永强(50)
一种基于 OpenMP 的并行混合 PVS 算法	邹 竞, 马 华, 谢 鲲(56)
基于克里金插值的 SWAT 参数率定大规模并行方法	李 强, 陆忠华, 王彦桐, 陈 曦, 罗 毅(60)
一种基于累积适应度遗传算法的 SVM 多分类决策树	朱庆生, 程 柯(64)
一种实用的资源稀缺条件下的分词方法	马 宁, 李亚超, 何向真, 于洪志(68)
基于功放记忆效应的动态 X 参数模型的研究	田秀华, 王振霞, 南敬昌(71)
边效益因素下复杂供应链网络局域演化机制	曹文彬, 熊 曦(75)
时滞非线性供应链系统的复杂动态行为仿真分析	李卓群, 严广乐(78)
考虑订单发货区域的物流配送调度问题研究	王 楨, 黄 磊(82)
基于缓存层级结构的多核 Web 服务器动态请求调度算法	尤国华, 谭 杨, 赵 英(87)
云模型的布谷鸟搜索算法	李志平, 王 勇, 张呈志(92)
基于图染色问题的混合优化算法	李淑芝, 何署芳(98)
基于层次评分函数的多粒度搜索算法研究	姜 攀, 李跃新(101)
基于连续时间量子游走的链路预测方法研究	钱 菁, 杨林涛, 余泽太, 刘守印(104)
基于文档副本局部性的分布式检索算法研究	孙 伟, 吕 强(108)
基于机器学习的 MapReduce 资源调度算法	于 倩, 蔚承建, 王 开, 朱林军(111)
基于 MapReduce 的平均多项朴素贝叶斯文本分类	何 敏, 武德安, 吴 磊(115)
基于改进引力搜索的混合 K-调和均值聚类算法研究	王彩霞(118)
两种常见的云计算服务定价机制的对比研究	吴良刚, 周赛军(122)
一种改进的新型元启发式花朵授粉算法	肖辉辉, 万常选, 段艳明(126)

软件技术研究

一种基于命名实体识别的需求跟踪方法	王金水, 薛醒思, 唐郑熠(132)
GUI 回归测试的测试脚本修复技术研究	朱 静, 曾红卫(136)

基于模糊层次分析法的社交编程网站开发者评估方法 李家豪,刘婧,吴泽群,何璐璐(141)

系统应用开发

一种基于独立任务的 POMDP 问题的解决方法 房俊恒,朱斐,刘全,伏玉琛,凌兴宏(147)
云环境下药物分子对接动态任务迁移的应用 董悦丽,郭权,孙斌,李正夫(153)
基于信息导航的三维用户界面动态构建方法 邓海岩,赵罡,于勇,陈畅宇,王伟(156)
WFEN 的贝叶斯估计及在高维预测模型中的应用 袁铭(161)

网络与通信技术

异构网络环境下的高稳定性应用层组播方案 王俊义,魏延恒,符杰林,郑霖(165)
一种基于改进加权序贯检测的协作频谱感知算法 李玉峰,黄柳舟(171)
认知网络中基于用户需求的功率控制算法研究 邓小芳,夏伟伟,赵峰(174)
基于遗传算法的时频差快速估计 逯志宇,王建辉,王大鸣,王跃(178)
非圆信号与圆信号共存下的快速方位估计算法 曾耀平,杨益新,卢光跃,黄琼丹(181)
基于深度学习的无线传感器网络数据融合 邱立达,刘天键,傅平(185)
基于 ZigBee 技术的孤立点入网算法研究 植宇,潘理虎,杨晓梅,卜创利(189)
基于 TCPN 的交叉口信号控制模型与优化 安毅生,雷甜,袁绍欣,赵祥模(194)
混合流媒体分发系统中可信合作节点选取模型 鲍序,李泽平,万明刚,杨旋,杨义(199)
无虚拟通道的 3D NoC ZoneDefense 容错路由算法 王宇飞,李光顺,吴俊华(205)
基于卡尔曼过滤的多传感器协作数据重构算法研究 宋晓虹,唐璉(210)
基于最佳中继选择的异构多媒体自适应协作分集算法 张辉(213)
无线网络冲突感知广播调度算法 安丰洋,李光顺,吴俊华(216)
基于 DEM 的滨海地区非均匀杂波模拟 吴奇,张伟(221)

信息安全技术

两个基于四粒子纠缠态的量子秘密共享方案 张建中,张文昊(225)
抵抗共谋攻击的服务器辅助验证签名方案 牛淑芬,牛灵,王彩芬,蓝才会(229)
多服务器环境下基于扩展混沌映射的认证密钥协商协议 舒剑(232)
基于公共协方差矩阵的实用模板攻击 刘飏,孙莹(236)
一种基于多层联合分析的 HTTP 隧道木马检测方法 兰景宏,刘胜利,李晔,肖达,王东霞(240)
防止差分功耗分析攻击的软件掩码方案 徐佩,傅鹏(245)
供应链环境下 UC 安全的 RFID 所有权转移协议 周洲,彭长根,杨玉龙,张晓培(249)
基于富模型的分层量化隐写分析算法 张聪,张敏情,刘佳(255)
基于局部二值模式的中值滤波检测算法 苏育挺,张天娇,张静,张承乾(258)
一种保护用户隐私的路网兴趣点 KNN 查询方法 周长利,马春光,李增鹏(262)
动态攻击网络演化分析模型 李艳,黄光球(266)
改进的签名长度固定的无证书聚合签名方案 陈明(271)
P2P 中基于云模型和灰色系统理论的信任机制研究 杨本臣,王翠琴(276)

图形图像技术

基于视觉选择性注意与 IHOG-LBP 特征组合的行人目标快速检测 刘琼,陈雯柏(281)
基于随机阵列的降维压缩感知三维成像方法 向高,张晓玲,师君,吴宗亮,韦顺军(286)
一种基于压缩感知理论的纹理分类方法 吴迪(291)
基于 DCT 域视觉显著性检测的图像缩放算法 罗雅丹,唐振华,覃团发(296)
基于低秩表示的非负张量分解算法 刘亚楠,刘路路,罗斌(300)
结合 Powell-RWACO 的图像边缘提取算法 惠晓威,常正英,林森,曹益华(304)
基于区域边界最优映射的图像分割算法 赵婕,张春美,张小勇,姚峰林(307)
模糊集与非线性增益相结合的自适应图像增强算法 全永奇,李太君,邓家先,谢凯明(311)
融合语义与几何特征的人体模型结构分割 黎琳,韩丽,徐建国,唐棣(316)

信息集萃

下期要目 (315)

期刊基本参数:CN51-1196/TP * 1984 * m * A4 * 320 * zh * P * ¥35.00 * 3840 * 73 * 2016-1 * n

本期责任编辑 洪志全

Application Research of Computers

Vol. 33 No. 1 Jan. 2016

Contents

Survey

- Survey on cloud forensics Gao Yun, Fu Xiao, Luo Bin(1)
- Overview of one-class support vector machine in intrusion detection of industrial control system Li Lin, Shang Wenli, Yao Jun, *et al.* (7)
- Survey of spontaneous facial expression recognition He Jun, He Zhongwen, Cai Jianfeng, *et al.* (12)

Algorithm Research & Explore

- Analysis on runtime essences of dendritic cells algorithm Wang Li, Fang Xianjin, Liu Jia(17)
- General sparse multiple kernel learning Zhang Renfeng, Wu Xiaojun, Chen Sugan(21)
- Research on concept semantic similarity of manufacturing resource ontology Ding Bo, Miao Shidi(28)
- Learning automata-based improvement for recommendation algorithm Jing Yuchun, Ge Hao, Jiang Wen, *et al.* (32)
- Research on robot commonsense reasoning based on improved active logic and metacognitive loop Wang Kejun, Du Tongchun(35)
- Optimal performance strategy of cloud center under power constraint with heterogeneous servers He Huaiwen, Li Wensheng(42)
- Improved Chord-based method based on genetic algorithm Wang Ting, Wu Xiaojun, Zhang Yumei(46)
- Immune genetic optimization algorithm based on T cell-mediated for sequence optimization of PWM inverter
..... Wang Yongxing, Qian Shuqu, Ye Yongqiang(50)
- Parallel hybrid PVS algorithm based on OpenMP Zou Jing, Ma Hua, Xie Kun(56)
- Large scale parallel method for SWAT calibration based on Kriging interpolation Li Qiang, Lu Zhonghua, Wang Yangang, *et al.* (60)
- SVM decision-tree multi-classification strategy based on genetic algorithm with cumulative fitness Zhu Qingsheng, Cheng Ke(64)
- Practical approach of word segmentation in poor resource situation Ma Ning, Li Yachao, He Xiangzhen, *et al.* (68)
- Research of dynamic X parameter model based on memory effects of power amplifier Tian Xiuhua, Wang Zhenxia, Nan Jingchang(71)
- Local-world evolution model of complex supply chain network under edge benefit Cao Wenbin, Xiong Xi(75)
- Complex and dynamics behavior analysis of nonlinear and time-delay supply chain system Li Zhuoqun, Yan Guangle(78)
- Research of logistics scheduling problem based on order regions Wang Zhen, Huang Lei(82)
- Cache hierarchy-based scheduling algorithm for dynamic requests in multi-core Web servers You Guohua, Tan Yang, Zhao Ying(87)
- Cloud model cuckoo search algorithm Li Zhiping, Wang Yong, Zhang Chengzhi(92)
- Hybrid optimization algorithm based on graph coloring problem Li Shuzhi, He Shufang(98)
- Hierarchical scoring function based multi-granularity searching method Jiang Pan, Li Yuexin(101)
- Link prediction using continuous-time quantum walk Qian Jing, Yang Lintao, Yu Zetai, *et al.* (104)
- Document replication locality based distributed query method Sun Wei, Lyu Qiang(108)
- Resource scheduling algorithm for MapReduce based on machine learning Yu Qian, Wei Chengjian, Wang Kai, *et al.* (111)
- Average multinomial naive Bayesian text classification based on MapReduce He Min, Wu Dean, Wu Lei(115)
- Mixed K-harmonic means clustering algorithm with improved gravitational search Wang Caixia(118)
- Comparative study of two common cloud computing service pricing mechanism Wu Lianggang, Zhou Saijun(122)
- Improved novel metaheuristic flower pollination algorithm Xiao Huihui, Wan Changxuan, Duan Yanming(126)

Software Technology Research

- Recovering traceability links using named entity recognition Wang Jinshui, Xue Xingsi, Tang Zhengyi(132)
- Research on repairing technique of test scripts for GUI regression testing Zhu Jing, Zeng Hongwei(136)
- Evaluation method of developers in Github based on fuzzy analytic hierarchy process Li Jiahao, Liu Jing, Wu Zequn, *et al.* (141)

System Development & Application

Solution based on independent-tasks POMDP problems	Fang Junheng, Zhu Fei, Liu Quan, <i>et al.</i> (147)
Dynamic task migration of molecule docking in cloud environment	Dong Yueli, Guo Quan, Sun Bin, <i>et al.</i> (153)
Dynamic construction method of 3D user interface based on information navigation	Deng Haiyan, Zhao Gang, Yu Yong, <i>et al.</i> (156)
Bayesian estimation of WFEN and its application in high dimensional prediction model	Yuan Ming (161)

Technology of Network & Communication

Highly stable scheme of application layer multicast in heterogeneous networks	Wang Junyi, Wei Yanheng, Fu Jielin, <i>et al.</i> (165)
Cooperative spectrum sensing algorithm based on improved weighted sequential probability ratio test	Li Yufeng, Huang Liuzhou (171)
Research on power control algorithm based on user requirements in cognitive networks	Deng Xiaofang, Xia Weiwei, Zhao Feng (174)
Fast algorithm for estimation of TDOA and FDOA based on genetic algorithm	Lu Zhiyu, Wang Jianhui, Wang Daming, <i>et al.</i> (178)
Fast DOA estimation under coexistence of both noncircular and circular sources	Zeng Yaoping, Yang Yixin, Lu Guangyue, <i>et al.</i> (181)
Data aggregation in wireless sensor networks based on deep learning	Qiu Lida, Liu Tianjian, Fu Ping (185)
Network algorithm of isolated nodes based on ZigBee technology	Zhi Yu, Pan Lihu, Yang Xiaomei, <i>et al.</i> (189)
Traffic signal control model and optimization based on timed colored Petri nets	An Yisheng, Lei Tian, Yuan Shaoxin, <i>et al.</i> (194)
Credible cooperative node selection model in hybrid streaming system	Bao Xu, Li Zeping, Wan Minggang, <i>et al.</i> (199)
3D NoC ZoneDefense fault-tolerant routing algorithm without virtual channels	Wang Yufei, Li Guangshun, Wu Junhua (205)
Collaboration data reconstruction algorithm based on Kalman filtering for multi-sensor	Song Xiaohong, Tang Jin (210)
Heterogeneous multimedia adaptive cooperative diversity algorithm based on the best relay selection	Zhang Hui (213)
Conflict-aware broadcast scheduling algorithm in wireless networks	An Fengyang, Li Guangshun, Wu Junhua (216)
Modeling of heterogeneous clutter in littoral environment based on DEM	Wu Qi, Zhang Wei (221)

Technology of Information Security

Two quantum secret sharing scheme based on four-qubit entangled states	Zhang Jianzhong, Zhang Wenhao (225)
Server-aided verification scheme against collusion attack	Niu Shufen, Niu Ling, Wang Caifen, <i>et al.</i> (229)
Authenticated key agreement protocol based on extended chaotic maps for multi-server environments	Shu Jian (232)
Practical template attacks based on pooled covariance matrix	Liu Biao, Sun Ying (236)
HTTP tunnel Trojan detection method based on multi-layer conjoint analysis	Lan Jinghong, Liu Shengli, Li Ye, <i>et al.</i> (240)
Software-implemented mask scheme against differential power analysis attack	Xu Pei, Fu Li (245)
Universally composable secure ownership transfer protocol for RFID tags in supply chains	Zhou Zhou, Peng Changgen, Yang Yulong, <i>et al.</i> (249)
Layered quantitative steganalysis using rich model	Zhang Cong, Zhang Mingqing, Liu Jia (255)
Median filtering detection based on local binary patterns	Su Yuting, Zhang Tianjiao, Zhang Jing, <i>et al.</i> (258)
Privacy-preserving method for KNN query in road networks	Zhou Changli, Ma Chunguang, Li Zengpeng (262)
Dynamic attack network evolution and analysis model	Li Yan, Huang Guangqiu (266)
Improved certificateless aggregate signature with constant length	Chen Ming (271)
Research on trust mechanism based on cloud model and gray system theory for P2P network	Yang Benchen, Wang Cuiqin (276)

Technology of Graphic & Image

Fast pedestrian detection method based on combinatory features IHOG-LBP and visual selective attention computation	Liu Qiong, Chen Wenbai (281)
Compressed sensing 3D imaging method with dimension reduction for random array	Xiang Gao, Zhang Xiaoling, Shi Jun, <i>et al.</i> (286)
Texture classification method based on theory of compressed sensing	Wu Di (291)
Image resizing algorithm based on visual saliency detection in DCT domain	Luo Yadan, Tang Zhenhua, Qin Tuanfa (296)
Non-negative tensor factorization algorithm based on low rank representation	Liu Ya'nan, Liu Lulu, Luo Bin (300)
Image edge extraction combined with Powell-RWACO algorithms	Hui Xiaowei, Chang Zhengying, Lin Sen, <i>et al.</i> (304)
Image segmentation algorithm based on optimal region boundary map	Zhao Jie, Zhang Chunmei, Zhang Xiaoyong, <i>et al.</i> (307)
Image enhancement algorithm based on fuzzy sets and nonlinear gain	Quan Yongqi, Li Taijun, Deng Jiaxian, <i>et al.</i> (311)
Structural segmentation of human models based on semantic and geometric characteristics	Li Lin, Han Li, Xu Jianguo, <i>et al.</i> (316)