

❖ 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《史蒂芬斯数据库》(EBSCOhost)全文来源期刊
 ❖ 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)来源期刊
 ❖ 中国科学引文数据库来源期刊
 ❖ 《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 30 卷 第 10 期 2013 年 10 月

目 次

综述评论

群签名综述	程小刚,王 箭,杜吉祥(2881)
基于 UDP 的高速网络传输协议研究	岳兆娟,任勇毛,李 俊(2887)
流身份鉴别技术研究进展	雷 程,张红旗,孙 奕,杜学绘(2891)
无线传感器网络访问控制的研究进展	汪明伟,汪烈军,谢卫民(2896)

算法研究探讨

0-1 规划问题的元胞蝙蝠算法	李枝勇,马 良,张惠珍(2903)
存在多工序同时结束的综合调度算法	朱天浩,谢志强,郑付萍(2907)
大规模定制环境下基于模块化的产品制造时间制定研究	李 志,陈友玲,周玉杰(2912)
基于粒计算的粗糙集聚类算法	李 莲,罗 可,周博翔(2916)
汉语连续语音识别系统中三音子模型的优化	齐耀辉,潘复平,葛凤培,颜永红(2920)
求解约束优化问题的中心引力优化算法及其工程应用	朱高峰,伍铁斌,张艳蕾,成 运,刘云连(2923)
随机需求和奖惩机制下的闭环供应链决策模型	王银河,王 旭(2927)
时间递推耦合神经网络的交通路径动态诱导技术	崔铁军,马云东(2932)
基于分布式数据仓库的分类分析研究	李伟卫,李 梅,张 阳,申爱丽(2936)
基于自适应的高对比性子空间的高维离群点检测	赵保同,薛安荣,董国宾(2940)
基于消费数据挖掘的多指标客户细分新方法	曾小青,徐 秦,张 丹,林大瀚(2944)
基于小波分析的高速列车车体运行状态估计	刘林艳,金炜东,余志斌(2948)
基于改进 V-detector 算法的转子故障识别方法研究	徐新平,赵荣珍(2951)
基于划分社区和差分共邻节点贡献的链路预测	伍杰华(2954)
基于类别分布差异和特征熵的维吾尔语文本特征选择	阿力木江·艾沙,吐尔根·依布拉音,库尔班·吾布力,瓦依提·阿不力孜,艾山·吾买尔(2958)
基于偏最小二乘的鱼类超微弱发光建模方法研究	叶廷东,洪晓斌(2962)
多策略协同进化粒子群优化算法	张 洁,裴 芳(2965)
基于标签分组的 DFSA 抽样训练规则防冲突算法	李玮玮,郭志涛,张 晶,顾军华(2968)
基于桥吊迁移的集装箱码头连续泊位分配算法研究	魏晓东,杨智应(2972)
考虑碳排放的物流网络优化模型研究	吕 品(2977)
基于复形法和云模型的差分进化混合算法	潘 琦,何中市,祝华正(2981)
基于闭区域和开区域修剪的 MTRNN 过滤算法研究	曾令智,杨 颖,杨 磊,蒙才良,陈一心(2986)
基于粗糙集的大学生满意度调查应用研究	李建林(2991)
基于观点认同的群体情绪模型	殷雁君,唐卫清(2996)
统计数据轨迹模式的聚类方法研究	刘 弈,罗念龙(3001)
基于云理论和雷达图的路网综合可靠度评价	李小静,刘立舰,刘林忠(3007)

系统应用开发

基于改进型能量算子的电压暂降快速检测方法	董 娜,黄文清,周 超,孙干辉(3011)
基于视觉传感器网络的飞机识别系统	蒋君杰,马晓贤,彭 力(3015)
拖曳线列阵声呐数据录取系统的设计与实现	华香凝,段发阶,蒋佳佳,陈 劲,李彦超,李宸阳,李 骥(3022)
面向 SaaS 平台的动态表单定制技术研究	潘 华,孙林夫,刘述雅(3026)

Web 病毒式营销核心群体挖掘与推荐策略	夏秀峰, 张晓飞(3030)
一种多核指令集仿真器构建技术	罗汉青, 梁利平, 叶甜春(3035)
用 SiInikov 定理构造一个新的混沌系统	邓奎彪, 禹思敏(3038)
带有模糊特征值的铁路集装箱中心站进出系统分析	林炳焜, 程文明(3041)
基于 SCADE 与 QNX 平台的列车测速定位安全软件	李 耀, 陈荣武, 谢 刚(3044)

网络与通信技术

改进的聚合组播算法	徐 剑, 倪 宏, 邓浩江, 刘 磊(3048)
基于 IPv6 的城市车载网移动协议	王晓喃, 钱焕延(3051)
高带宽无线局域网中 PI 速率控制算法	赵伟丰, 郭 涛, 舒炎泰, 刘春风(3053)
用于多用户大规模 MISO 信号检测的改进主动禁忌搜索算法	康 凯, 钟子发, 燕 展, 李 宁(3057)
基于传输分集信号检测的 TD-LTE 系统 PDCCH 解资源映射的算法研究	李小文, 罗 佳(3061)
遥测 PCM/FM 信号的低复杂度多符号检测算法	王 莉, 袁 福, 郑林华, 向良军(3065)
ZigBee 网络性能指标客观赋权方法研究	程小辉, 梁启亮, 何军权(3068)
基于 Smith 的自适应模糊网络拥塞控制算法	史永宏, 高世界(3071)
基于网络编码的分布式无线光网络在线优化	刘元君(3075)
加密 MANET 端到端流的推断与识别研究	常慧君, 单 洪, 黄 郡(3079)
低复杂度 PDCCH 盲检测算法	周 游, 胡捍英, 陈国军(3084)
一种用于秩损信道下的 MIMO 检测算法	蒋攀攀, 赵卫波, 徐 尧, 王大鸣(3088)
一种流量预测的服务质量区分 MAC 退避算法	苏海武, 程良伦(3091)

信息安全技术

空间延迟容忍网络安全通信模型	杜学绘, 陈性元, 曹利峰, 徐国愚(3096)
一种基于多移动 agent 的分布式恶意进程协同识别机制	徐小龙, 唐 瑀, 杨 庚(3101)
基于对象语义的恶意代码检测方法	任 李, 潘晓中(3106)
基于超混沌序列的图像加密方案	钟厚桥, 李建民, 林振荣, 王 振(3110)
基于奇异值分解的彩色图像水印算法	曾文权, 熊祥光, 余爱民(3114)
基于 OPM 的安全起源模型	刘 通, 王凤英(3117)

图形图像技术

基于灰度相关性的裂缝检测算法	董安国, 梁苗苗(3121)
一种评估颅骨和颅面相似性的方法	晋武侠, 李 康, 耿国华, 刘伦椿(3124)
实时界定雷达电磁互扰区域的三维可视化方法	尚忠良, 李林橙, 张 利(3128)
基于扩展格框架标注的视频事件多维关联规则挖掘方法	柯 佳, 詹永照, 陈潇君, 汪满容(3133)
基于 MapReduce 的 H.264/AVC 并行视频编码	郑莉华, 曾 雪(3139)
基于双变换的红外与可见光图像融合增强	李艳梅, 陈雷霆, 饶云波, 罗 建, 周 骏(3142)
SAR 图像 RCS 模型的对数-正态分布参数估计	孙增国(3146)
复脊波变换 SAR 图像去噪算法	佟建锋, 康宝生, 李洪安, 张 雷(3149)
基于物理散射模型的全极化 SAR 图像增强滤波算法	单子力, 谷宏志, 陈金勇, 王 超(3152)
汉字部件的无失真缩放变换方法研究	孙 浩, 唐英敏, 连宙辉, 肖建国(3155)
基于视觉注意机制的彩色图像显著性区域提取	孟 璟(3159)
基于特征保持的曲面网格简化	偶春生, 张佑生(3162)
基于交互式感兴趣区域的教学视频编码	刘俊宏, 陈耀武(3165)
噪声图像的快速二维 Otsu 阈值分割	刘 金, 金炜东(3169)
非子采样变换域的方向向量约束图像融合算法	柳翠寅, 雷 欢, 王翠伟(3172)
三维模型孔洞修补方法的研究	谢倩茹, 耿国华(3175)
基于各向异性的二维云模型滤波	周 喆, 王树良(3178)
改进的 LB 图像修复模型及其算法	刘作楚, 陈翰林, 鲜大权(3181)
基于改进 Census 变换的立体匹配算法	雷 磊, 郑江滨, 宋雪梅(3185)
基于特征块角点检测的电子稳像方法	徐一鸣, 顾菊平, 刘晓利, 陆 观(3189)
复合多边形求差的高效矢量算法	闫浩文, 张黎明, 李茜茜, 李双元(3192)
基于 Bézier 曲线的虚拟手术切割新算法	朱 玲, 叶秀芬, 希吉尔, 孙 明(3195)

信息集萃

下期要目	(2950)
期刊基本参数: CN51-1196/TP * 1984 * m * A4 * 320 * zh * P * ¥35.00 * 3840 * 80 * 2013-10 * n	

Application Research of Computers

Vol. 30 No. 10 Oct. 2013

Contents

Survey

Survey on group signature	CHENG Xiao-gang, WANG Jian, DU Ji-xiang(2881)
Research on UDP-based high-speed network transport protocols	YUE Zhao-juan, REN Yong-mao, LI Jun(2887)
Survey of network flow identification technology	LEI Cheng, ZHANG Hong-qi, SUN Yi, <i>et al.</i> (2891)
Survey of access control in wireless sensor networks	WANG Ming-wei, WANG Lie-jun, XIE Wei-min(2896)

Algorithm Research & Explorer

Cellular bat algorithm for 0-1 programming problem	LI Zhi-yong, MA Liang, ZHANG Hui-zhen(2903)
Integrated scheduling algorithm of multi-procedures ended together	ZHU Tian-hao, XIE Zhi-qiang, ZHENG Fu-ping(2907)
Research on product modular manufacturing time formulation method under mass customization environment	LI Zhi, CHEN You-ling, ZHOU Yu-jie(2912)
Rough clustering algorithm based on granular computing	LI Lian, LUO Ke, ZHOU Bo-xiang(2916)
Refining triphone model in mandarin continuous speech recognition	QI Yao-hui, PAN Fu-ping, GE Feng-pei, <i>et al.</i> (2920)
Central force optimization algorithm for constrained optimization problems and its engineering applications	ZHU Gao-feng, WU Tie-bin, ZHANG Yan-lei, <i>et al.</i> (2923)
Decision model of closed-loop supply chain under stochastic demand and premium-penalty mechanism	WANG Yin-he, WANG Xu(2927)
Traffic route dynamic guidance technology based on coupling of time recursive and artificial neuron network	CUI Tie-jun, MA Yun-dong(2932)
Research of classification analysis for distributed data warehouse	LI Wei-wei, LI Mei, ZHANG Yang, <i>et al.</i> (2936)
Mining outlier in high dimensional space based on adaptive high contrast subspace	ZHAO Bao-tong, XUE An-rong, DONG Guo-bin(2940)
New multi-indicator customer segmentation method based on consuming data mining	ZENG Xiao-qing, XU Qin, ZHANG Dan, <i>et al.</i> (2944)
Running state estimation of high-speed train based on wavelet analysis	LIU Lin-yan, JIN Wei-dong, YU Zhi-bin(2948)
Research on fault data classification based on improved V-detector algorithm	XU Xin-ping, ZHAO Rong-zhen(2951)
Link prediction based on partitioning community and differentiating role of common neighbors	WU Jie-hua(2954)
Feature selection based on class distribution difference and term entropy for Uyghur text	Alimjan AYSA, Turgun IBRAHIM, Kurban OBUL, <i>et al.</i> (2958)
Modeling method research of ultra-weak photon emission of fish based on PLS	YE Ting-dong, HONG Xiao-bin(2962)
Multi-strategy cooperative evolutionary particle swarm optimization	ZHANG Jie, PEI Fang(2965)
DFS sampling training rules anti-collision algorithm based on tags grouped	LI Wei-wei, GUO Zhi-tao, ZHANG Jing, <i>et al.</i> (2968)
Algorithm for continuous berth allocation based on QCs transfer	WEI Xiao-dong, YANG Zhi-ying(2972)
Study of logistics network optimization model considering carbon emissions	LV Pin(2977)
Hybrid differential evolution algorithm based on complex method and cloud model	PAN Qi, HE Zhong-shi, ZHU Hua-zheng(2981)
Study on filter-MTRNN algorithm based on closed and open region pruning	ZENG Ling-zhi, YANG Ying, YANG Lei, <i>et al.</i> (2986)
College students satisfaction survey application research based on rough set	LI Jian-lin(2991)
Emotion model of crowd based on opinion identity	YIN Yan-jun, TANG Wei-qing(2996)
Research on pattern clustering in statistical data trajectories	LIU Yi, LUO Nian-long(3001)
Evaluation of road network comprehensive reliability based on cloud theory and radar graph model	LI Xiao-jing, LIU Li-jian, LIU Lin-zhong(3007)

System Development & Application

Novel method voltage sag rapid detection based on energy operator	DONG Na, HUANG Wen-qing, ZHOU Chao, <i>et al.</i> (3011)
Airplane recognition system for visual sensor networks	JIANG Jun-jie, MA Xiao-xian, PENG Li(3015)
Design and implementation of towed linear array sonar data recording system	HUA Xiang-ning, DUAN Fa-jie, JIANG Jia-jia, <i>et al.</i> (3022)
Research on personality customizable dynamic form technology for SaaS platform	PAN Hua, SUN Lin-fu, LIU Shu-ya(3026)
Mining and recommending strategies based on core groups in Web viral marketing	XIA Xiu-feng, ZHANG Xiao-fei(3030)
Technique for multi-core instruction-set simulator	LUO Han-qing, LIANG Li-ping, YE Tian-chun(3035)

Constructing new chaotic system based on Si'Inikov theorem	DENG Kui-biao, YU Si-min(3038)
Analysis on in-out system of railway container terminal with fuzzy eigenvalues	LIN Bing-kun, CHENG Wen-ming(3041)
Safety software of speed and position determination system based on SCADE and QNX platform	LI Yao, CHEN Rong-wu, XIE Gang(3044)

Network & Communication Technology

Advanced aggregated multicast algorithm	XU Jian, NI Hong, DENG Hao-jiang, <i>et al.</i> (3048)
Mobility handover scheme for vehicular Ad hoc networks	WANG Xiao-nan, QIAN Huan-yan(3051)
PI rate control algorithm for high-bandwidth WLAN	ZHAO Wei-feng, GUO Tao, SHU Yan-tai, <i>et al.</i> (3053)
Enhanced reactive tabu search algorithm for multi-user massive MISO signal detection	KANG Kai, ZHONG Zi-fa, YAN Zhan, <i>et al.</i> (3057)
Research of de-resource mapping algorithm for PDCCH based on transmit diversity signal detection in LTE system	LI Xiao-wen, LUO Jia(3061)
Low-complexity multi-symbol detection algorithm for telemetry PCM/FM signal	WANG Li, YUAN Fu, ZHENG Lin-hua, <i>et al.</i> (3065)
Research on objective weight determine method of ZigBee network performance index	CHENG Xiao-hui, LIANG Qi-liang, HE Jun-quan(3068)
Network congestion control algorithm based on Smith's adaptive fuzzy	SHI Yong-hong, GAO Shi-jie(3071)
Distributed wireless optical network online optimization based on network coding	LIU Yuan-jun(3075)
End-to-end traffic inference of encrypted MANET	CHANG Hui-jun, SHAN Hong, HUANG Jun(3079)
Low complexity PDCCH blind detection algorithm	ZHOU You, HU Han-ying, CHEN Guo-jun(3084)
MIMO detection algorithm for rank-deficient channels	JIANG Pan-pan, ZHAO Wei-bo, XU Yao, <i>et al.</i> (3088)
Backoff algorithm of MAC protocol with flow predicted and quality of service distinguished	SU Hai-wu, CHENG Liang-lun(3091)

Information Security Technology

Space delay-tolerant network secure communication model	DU Xue-hui, CHEN Xing-yuan, CAO Li-feng, <i>et al.</i> (3096)
Distributed collaborative malicious process identification mechanism based on multi-mobile-agent	XU Xiao-long, TANG Yu, YANG Geng(3101)
Object-semantics based malware detection method	REN Li, PAN Xiao-zhong(3106)
Image encryption scheme based on hyper-chaotic sequence	ZHONG Hou-qiao, LI Jian-min, LIN Zhen-rong, <i>et al.</i> (3110)
Color image watermarking algorithm based on singular value decomposition	ZENG Wen-quan, XIONG Xiang-guang, YU Ai-min(3114)
Security provenance model based on OPM	LIU Tong, WANG Feng-ying(3117)

Graphics & Image Technology

Crack detection algorithm based on gray correlation	DONG An-guo, LIANG Miao-miao(3121)
Similarity measurement method of skull and craniofacial data	JIN Wu-xia, LI Kang, GENG Guo-hua, <i>et al.</i> (3124)
3D visualization method on real-time division of radars mutual electromagnetic interference	SHANG Zhong-liang, LI Lin-cheng, ZHANG Li(3128)
Annotation used expansion of case framework for video event with multi-dimensional association rules mining method	KE Jia, ZHAN Yong-zhao, CHEN Xiao-jun, <i>et al.</i> (3133)
H. 264/AVC parallel video coding based on MapReduce	ZHENG Li-hua, ZENG Xue(3139)
Infrared and visual image fusion enhancement by dual-transform	LI Yan-mei, CHEN Lei-ting, RAO Yun-bo, <i>et al.</i> (3142)
Parameter estimation of log-normal distribution of RCS model for SAR images	SUN Zeng-guo(3146)
SAR image denoising based on complex ridgelet transform	TONG Jian-feng, KANG Bao-sheng, LI Hong-an, <i>et al.</i> (3149)
Improved scattering-model-based speckle filter of polarimetric SAR data	SHAN Zi-li, GU Hong-zhi, CHEN Jin-yong, <i>et al.</i> (3152)
Research on distortionless resizing method for components of Chinese characters	SUN Hao, TANG Ying-min, LIAN Zhou-hui, <i>et al.</i> (3155)
Saliency detection for color image based on visual attention mechanism	MENG Lu(3159)
Mesh simplification method based on preserving shape features	OU Chun-sheng, ZHANG You-sheng(3162)
Interactive region-of-interest based lecture video encoding	LIU Jun-hong, CHEN Yao-wu(3165)
Fast thresholding algorithm of 2D Otsu for low SNR image	LIU Jin, JIN Wei-dong(3169)
Direction vector constraints image fusion algorithm based on NSCT	LIU Cui-yin, LEI Huan, WANG Cui-wei(3172)
Research on hole-filling algorithm for 3D models	XIE Qian-ru, GENG Guo-hua(3175)
Anisotropy-based filter with two dimensional cloud model	ZHOU Zhe, WANG Shu-liang(3178)
Improved Lattice-Boltzmann method and algorithm for image inpainting	LIU Zuo-chu, CHEN Han-lin, XIAN Da-quan(3181)
Improved Census transform for stereo matching	LEI Lei, ZHENG Jiang-bin, SONG Xue-mei(3185)
Digital image stabilization algorithm based on corner detection in feature blocks	XU Yi-ming, GU Ju-ping, LIU Xiao-li, <i>et al.</i> (3189)
Vector-based efficient algorithm for computing differences between two complex polygons	YAN Hao-wen, ZHANG Li-ming, LI Qian-qian, <i>et al.</i> (3192)
Novel cutting algorithm based on Bézier curve in virtual surgery	ZHU Ling, YE Xiu-fen, XI Ji-er, <i>et al.</i> (3195)