

◆ 英国《科学文摘》(SA, INSPEC) 来源期刊
 ◆ 美国《剑桥科学文摘》(CSA) 来源期刊
 ◆ 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
 ◆ 中国计算机学会会刊
 ◆ 《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
 ◆ 波兰《哥白尼索引》(IC) 来源期刊
 ◆ 中国期刊方阵双效期刊
 ◆ 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 27 卷 第 11 期 2010 年 11 月

目 次

综述评论

过度规划、部分可满足规划及简单偏好综述	饶东宁, 蒋志华, 姜云飞(4001)
大规模分布式资源搜索技术研究进展	霍 林, 黄俊文, 潘英花, 王 力(4006)
分布式 OSC 研究与发展	吴元立, 张胤薰, 杨宏桥, 史殿习, 王怀民(4010)
面向并行负载均衡的数据剖分技术	汤继飞, 李 思, 张理论, 宋君强(4015)
基于供应链的协同生产调度研究发展现状与展望	李 芳, 邱俊茹, 叶春明, 郑 晴(4020)
基于模型的单通道语音分离综述	杨海滨, 张 军(4025)
计算摄影综述	徐树奎, 涂 丹, 李国辉, 张 军(4032)

算法研究探讨

专家搜索中关系证据的重要性研究	杨 柳, 张文生(4040)
传感器网络节点数目算法的比较研究	秦宁宇, 蒋敏峰, 徐保国(4044)
Hermite 插值神经网络权值和结构确定理论探讨	张雨浓, 李凌峰, 郭尔生, 杨逸文(4048)
基于遗传模拟退火算法的雷达正交信号设计	殷 华, 刘以安, 吴少鹏, 唐霜天(4052)
一种基于 fMRI 数据的脑功能网络构建方法	薛绍伟, 唐一源, 李 健, 张兰华, 曹 宸(4055)
面向综合集成研讨环境的主动信息获取方法	倪 娜, 刘 凯, 李耀东(4058)
基于替代的嵌套事务天折策略	蔡 晋(4063)
基于克隆扩增策略的免疫算法	张志惠, 田玉玲, 刘宇浩(4067)
网络环境下基于 Weka4WS 的分布式聚类算法	郑世明, 徐顺福, 宋自林, 苗 壮(4072)
基于生长竞争蚁群算法的 QoS 路由算法	朱 刚, 马 良(4076)
基于蜂群算法的移动 agent 迁移策略研究	肖 庆, 焦 健(4078)
考虑远程随机感染的复杂网络上疾病传播行为	朱晓军, 张 宁, 李季明(4081)
基于复杂网络的城市公交网络抗毁性分析	汪 涛, 吴琳丽(4084)
语义物联网: 物联网内在矛盾之对策	黄映辉, 李冠宇(4087)
一种求解 Job-Shop 调度问题的新型蚁群算法	李 胜, 周 明, 许 洋(4091)
基于免疫和模拟退火原理的柔性 Job-Shop 调度研究	余建军, 徐学军(4094)
基于受限区分矩阵的值约简方法	秦 川, 李 凯, 施化吉, 李星毅(4098)
基于灰色关联度准则的 TVARMA 模型参数估计方法	邓卫强, 王跃刚, 杨颖涛(4101)
基于函数变换的改进混沌粒子群优化	李 森(4105)
基于多目标免疫克隆进化的随机匿名化算法	王 莉, 官照煊(4108)
新的采用球面杂交的克隆选择算法	周瑞琼, 吴洪丽(4111)
改进 DE/EDA 算法在求解难约束优化问题中的应用研究	王 翔, 董晓马, 阎瑞瑞, 刘华玲(4114)
异构系统中针对通信密集型任务调度的算法	李学辉, 赵 欢, 江 文(4118)
一种新的异构网格任务调度算法	刘波涛(4122)
一种并行的信息系统属性约简算法	张忠林, 张 军, 米 伟, 杨春林(4124)
求解一类不可微多目标优化问题的社会认知算法	雍龙泉(4128)
一种基于行列法离散点边界搜索算法	袁 满, 袁志华(4130)
基于 Petri 网分解技术的自动化物流系统建模分析	侯耀彬, 李 倩(4133)
一种基于网格划分的自适应粒子群优化算法	方 冰, 李太勇, 吴 江(4136)
基于独立分量分析的自适应在线算法	吕淑平, 方兴杰(4140)
一种新的混合生产调度问题的优化求解	宋福根, 陈凌晖(4144)
基于信息熵的电路测点优化策略	贾以健, 景 博, 夏 岩(4149)
基于蚁群算法的高散救援问题出救点选址研究	陈立伟, 唐权华(4152)

软件技术研究

基于基态修正模型的时空数据动态操作	陆 琪, 周晓光, 周 辉(4155)
基于满意度和 GA 的区间系数多目标规划求解	夏吴冉, 吴 涛(4159)
领域本体方法在数据仓库元数据管理中的应用研究	徐博艺, 谢 诚, 蔡鸿明(4162)
基于 TTCN-3 底层协议测试方法研究	孙 晶, 尚星星, 赵会群, 朱鹏斌(4165)
基于 AR 规则的全路径测试数据自动生成方法	崔欢欢, 陈 利, 匡哈雷, 朱 变(4168)
模拟电路单故障的改进粒子群算法诊断	周龙甫, 师奕兵, 赵 光, 唐 红(4171)
基于集对分析的软件重构方案优选模型	张龙杰, 谢晓方(4175)

系统应用开发

港口扩建的物流规划模型及其仿真	叶芬芳, 何建佳, 徐福缘, 杨卫忠(4178)
气象计算网格模式预报系统的建立与优化	王 彬, 周 斌, 魏 敏(4182)

分布式遗传算法在智能组卷中的 Web services 实现	李广水, 马青霞, 陈爱祥, 郑 滔(4185)
汽车转向/防抱死制动系统的自调节协调控制	李 果, 冯泽斌, 王 旭(4189)
省级机动车排气检测监管系统应用研究	史 韵, 朱 云, 周 勤, 钟义龙, 陈志清(4193)

网络与通信技术

无线 Mesh 网络规则拓扑结构与容量研究	胡致远, 王 景, 邓建良, 黄 东(4197)
多用户 NC-OFDM 动态频谱分配策略研究	侯 炜, 张 林, 山秀明, 王耀希(4201)
一种动态频谱共享通信系统接入控制算法	方 飞, 毛玉明, 冷彪鹏, 毛建兵(4205)
一种新型的变长的 S-随机交织器设计	李小文, 陈振东, 陈发堂(4209)
可信网络中基于信誉和风险评估的动态信任模型	周 茜, 于 焯(4211)
3GPP 标准下的比特交织 Turbo 码高效译码方案	徐 琳, 谭 进, 吴玉成(4215)
基于区分服务的无线多媒体传感器网络 QoS 路由协议	袁柳生, 程良伦(4218)
WSN 下一种自适应多传感器协同目标跟踪策略	冯林方, 胥布工, 刘永桂(4222)
基于遗传算法的无线传感器网络路由协议研究	高德民, 钱映廷, 汪 峰, 王晓楠(4226)
无线 Mesh 网络混合策略的接口角色决定	谢桂芳, 李盛欣, 张 震(4230)
基于改进 6LoWPAN 的物联网网内性能研究	唐晋灵, 杨雪洲, 李思敏(4233)
DTN 中基于二分散发和等待路由的自适应拥塞控制策略	王贵竹, 王炳庭, 张家勇(4237)
无线电通信中的同址干扰问题研究	赵 波, 全厚德, 赵汇强(4242)
一种 TDD-LTE 随机接入检测算法	蒋友邦, 李广军, 杨海芬(4245)
异构无线网络负载均衡研究	蒋 青, 吉莉莉, 唐 伦, 柴 蓉, 吕 靖(4248)
WSN 中 LEACH 路由协议簇头数优化研究	蒋 阳, 孙柳林, 敖文钧, 袁 敏(4251)
基于互相关矢量重构的解相干实值 Root-MUSIC 算法	杨 武, 黄登山, 马振华(4254)
联合 LDPC 码与 clipping 降 OFDM 系统峰均比的方法	李春鹏, 王春华(4257)
基于网络编码的无线传感器网络数据可靠性分析	郝 静, 冯海林(4260)
最优非单位步长无向双环网络 $G(N; \pm r; \pm s)$ 的构造	刘 辉, 许武玲, 方木云, 阮婷娜(4264)
一种利用虚拟坐标的横向融合算法	张 毅, 杨 云, 陈拥军, 石婷婷, 陈 洁(4268)
WSN 中改进蚁群算法求解移动代理问题	张 胜, 贺庆全, 尹志军, 吕 莉(4272)
一种基于正弦映射的混沌交织器设计及应用	陈 朝, 汤天祐(4276)
社区网络节点可信接入算法	高 岭, 杨 威, 陈东祺, 杨建峰(4279)
DTN 中基于节点质量的自适应散发和等待路由	王贵竹, 王炳庭, 何 诚, 李夏林(4283)

信息安全技术

无双线性对的无证书两方密钥协商方案	刘文清, 许春香(4287)
改进的双线性插值算法在信息隐藏中的应用	任洪映, 常春武, 张 健(4290)
群上的同时签名方案	裴刚春, 隗 云, 熊国华, 张兴凯(4293)
基于差值扩展的无线传感器网络无损认证水印算法	曾文飞, 伍雁鹏(4296)
一种高效的基于身份的部分盲签名方案	李明祥, 郑艳娟, 安文广(4299)
用二分图实现数据发布的隐私保护	兰丽辉, 鞠时光, 金 华, 李 昊(4303)
基于双重离散对数 DAA 协议的设计	杨亚涛, 李子臣, 闫世斗, 郭宝安, 徐树民(4306)
防范中间人攻击的可信网络连接协议改进	杨亚涛, 李子臣, 于 培, 郭宝安, 徐树民(4309)
混合 SVM 结合信息熵检测 ICMP 隧道	王传安, 贾丙静, 贺文娟, 赵海燕(4312)
模块化免疫神经网络平衡态检测模型	侯家利(4316)
新的无证书部分盲签名方案	余 丹, 杨晓元, 黄大成(4319)
基于 VTK 的三维模型切割研究	贺毅岳, 耿国华, 周明全, 刘燕武, 高 妮(4322)
深度报文检测中基于 CPU 的正则表达式匹配引擎	王 磊, 陈曙晖, 苏金树, 许孟晋(4324)

图形图像技术

低分辨率人耳图像识别方法研究	王晓云, 苑玮琦, 郭金玉(4328)
关键点匹配三维人脸识别方法	宋顶利, 杨炳儒, 于复兴(4331)
一种新的连通区域标记算法	张云哲, 赵 海, 宋纯贺, 景 巍(4335)
新的连通域标记方法及其在医学图像中的应用	谭 利, 李 彬, 田联房(4338)
基于 RGB 分量统计的可变区域彩色图像分割算法	王志良, 高晓亮, 王 鲁(4341)
噪声信道下保护图像感兴趣区的多描述编码	陈晓雷, 张爱华, 杨欣童, 马义德(4345)
基于多尺度核函数的散乱点云数据过滤方法	刘光帅, 李柏林, 何朝明(4348)
带有高阶耦合项的各向异性扩散图像复原	黄永林, 叶玉莹, 乔周生, 王鼎元(4350)
一种基于信任传播的混凝土 CT 图像分割方法	赵 亮, 李昌华, 党发宁, 徐胜军, 陈登峰(4353)
基于视频全局光流场的交通拥堵检测	赵有婷, 李照莹, 余永业, 罗东华(4355)
盲环境下数字图像的自动修复算法研究	罗会兰, 李 静, 王 威(4358)
基于数学形态学和区域合并的医学 CT 图像分割	黄展鹏, 易法令, 周亦娟, 鲍苏苏(4360)
一种植物花瓣形态建模的新方法	杨 荣, 袁修久, 刘 栋, 赵学军(4363)
依赖模板匹配纠错的混合跟踪算法	左军毅, 张怡哲, 王正平(4366)
基于图割的矩形目标交互式分割方法	郎成刚, 朱 枫(4369)
基于 Tetrolet 变换的图像降噪新算法	李财莲, 孙即祥, 廉耀红(4373)
基于度量矩阵特征值的图像空间关系描述	张 伟, 何金国, 桑培罗布(4376)
X 线平片的骨折识别	梁 坚, 潘保昌, 黄水慧, 花晓燕(4379)
用低通滤波器改进 Brovey 融合法	吴连喜(4383)
图像配准的复制动力学方法	鄢余武, 孙亚军, 姚小强(4386)
一种基于 PCNN 的医学图像边缘提取方法	李建峰, 王国江(4389)
密集标志点集的拓扑保持变换方法	刘 霞, 杨 烜(4394)
基于多线性主元分析和 FLD 的掌纹识别	郭金玉, 孔晓光, 李 元, 曾 静(4398)

信息荟萃

下期要目	(4039)
征订启事	(4267)

期刊基本参数: CN51-1196/TP * 1984 * m * A4 * 400 * zh * P * ¥30.00 * 4800 * 113 * 2010-11 * n

本期责任编辑 洪志全

Application Research of Computers

Vol. 27 No. 11 Nov. 2010

Contents

Survey

Survey on over-subscription planning, partial satisfaction planning and simple preferences	RAO Dong-ning,JIANG Zhi-hua,JIANG Yun-fei(4001)
Survey on resource search technology in large-scale distributed network	HUO Lin,HUANG Jun-wen,PAN Ying-hua, <i>et al.</i> (4006)
Research and development of distributed OSGi	WU Yuan-li,ZHANG Zhu-xi,YANG Hong-qiao, <i>et al.</i> (4010)
Research of data partitioning technique for parallel load balancing	TANG Ji-fei,LI Si,ZHANG Li-lun, <i>et al.</i> (4015)
Studies on collaborative production scheduling in supply chain	LI Fang, QIU Jun-ru, YE Chun-ming, <i>et al.</i> (4020)
Survey of model-based single-channel speech separation	YANG Hai-bin, ZHANG Jun(4025)
Review of computational photography	XU Shu-kui, TU Dan, LI Guo-hui, <i>et al.</i> (4032)

Algorithm Research & Explorer

Research on importance of relationship evidences in expert search	YANG Liu, ZHANG Wen-sheng(4040)
Comparison between node number algorithms in wireless sensor networks	QIN Ning-ning,JIANG Min-feng, XU Bao-guo(4044)
On weights and structure determination of Hermite-interpolation neural network	ZHANG Yu-nong, LI Ling-feng, GUO Dong-sheng, <i>et al.</i> (4048)
Design of radar orthogonal signal based on genetic algorithm and simulated algorithm	YIN Hua, LIU Yi-an, WU Shao-peng, <i>et al.</i> (4052)
Method for constructing brain functional networks based on fMRI data	XUE Shao-wei, TANG Yi-yuan, LI Jian, <i>et al.</i> (4055)
Active information retrieval method for CWME	NI Na, LIU Kai, LI Yao-dong(4058)
Abortion strategy of nested transaction based on function alternative	CAI Jin(4063)
Immune algorithm based on clonal expansion strategy	ZHANG Zhi-hui, TIAN Yu-ling, LIU Yu-hao(4067)
Research on distributed clustering algorithm Weka4WS-based in grid environment	ZHENG Shi-ming, XU Shun-fu, SONG Zi-lin, <i>et al.</i> (4072)
QoS routing algorithm based on growing competitive ant algorithm	ZHU Gang, MA Liang(4076)
Application for artificial bee algorithm in migration of mobile agent	XIAO Qing, JIAO Jian(4078)
Behavior of disease propagation with random long-distance spreading on complex networks	ZHU Xiao-jun, ZHANG Ning, LI Ji-ming(4081)
Research on invulnerability of urban transit network based on complex network	WANG Tao, WU Lin-li(4084)
Semantic Web of things: strategy for Internet of things' intrinsic contradiction	HUANG Ying-hui, LI Guan-yu(4087)
Novel ant colony optimization algorithm for Job-shop scheduling problem	LI Sheng, ZHOU Ming, XU Yang(4091)
Flexible Job-shop scheduling based on immune and simulated annealing	YU Jian-jun, XU Xue-jun(4094)
Method of value reduction based on discernibility matrix	QIN Chuan, LI Kai, SHI Hua-ji, <i>et al.</i> (4098)
Parameter estimation methods of TVARMA model based on grey correlation criteria	DENG Wei-qiang, WANG Yue-gang, YANG Ying-tao(4101)
Improved chaotic particle swarm optimization based on function transform	LI Yan(4105)
Random anonymization via multi-objective immune cloning evolution	WANG Li, GONG Zhao-xuan(4108)
New clone selection algorithm used sphere crossover	ZHOU Rui-qiong, WU Hong-li(4111)
Improved DE/EDA algorithm for difficult COPs	WANG Xiang, DONG Xiao-ma, YAN Rui-xia, <i>et al.</i> (4114)
Task scheduling algorithm for communication-intensive task graph in heterogeneous system	LI Xue-hui, ZHAO Huan, JIANG Wen(4118)
Novel scheduling algorithm for heterogeneous grid meta-task	LIU Bo-tao(4122)
Parallel algorithm of attributes reduction of information system	ZHANG Zhong-lin, ZHANG Jun, MI Wei, <i>et al.</i> (4124)
Social cognitive optimization algorithm for class of non-differentiable multi-objective optimization problems	YONG Long-quan(4128)
Boundary searching algorithm for discrete points based on rows and columns method	YUAN Man, YUAN Zhi-hua(4130)
Modeling and analysis of automatic logistics system based on decomposition of Petri nets techniques	HOU Yuan-bin, LI Qian(4133)
Grid-based adaptive particle swarm optimization	FANG Bing, LI Tai-yong, WU Jiang(4136)
Adaptive on-line algorithm based on independent component analysis	LV Shu-ping, FANG Xing-jie(4140)
Optimization solution to new hybrid production scheduling problem	SONG Fu-gen, CHEN Ling-hui(4144)
Optimal strategy of test point selection for circuit based on information entropy	HUANG Yi-feng, JING Bo, XIA Yan(4149)
Research on depot location of discrete emergency aid based on ACO	CHEN Li-wei, TANG Quan-hua(4152)

Software Technology Research

Dynamic operation for spatio-temporal data based on base state with amendments model	LU Qi, ZHOU Xiao-guang, ZHOU Hui(4155)
Solution of multi-objective programming with interval coefficients based on satisfactory degree and GA	XIA Hao-ran, WU Tao(4159)
Application of domain-ontology method in meta-data management of data warehouse	XU Bo-yi, XIE Cheng, CAI Hong-ming(4162)
Study on method of testing low layer protocols based on TTCN-3	SUN Jing, SHANG Xing-xing, ZHAO Hui-qun, <i>et al.</i> (4165)
Approach of automatic test data generation of all path based on AR rules	CUI Huan-huan, CHEN Li, KUANG Ha-lei, <i>et al.</i> (4168)
Improved PSO method for single soft fault diagnosis in analog circuit	ZHOU Long-fu, SHI Yi-bing, ZHAO Guang, <i>et al.</i> (4171)
Software refactoring scheme optimization model based on set pair analysis	ZHANG Long-jie, XIE Xiao-fang(4175)

System Development & Application

Logistic planning model and computer simulation of port expansion	YE Fen-fang, HE Jian-jia, XU Fu-yuan, <i>et al.</i> (4178)
Establishment and optimization of model prediction system based on meteorological computational grid	WANG Bin, ZHOU Bin, WEI Min(4182)
Intelligent test paper with distributed genetic algorithm realizing on Web services	LI Guang-shui, MA Qing-xia, CHEN Ai-ping, <i>et al.</i> (4185)
Self-regulating cooperative control of steering/antilock braking system of vehicles	LI Guo, FENG Ze-bin, WANG Xu(4189)
Case study of provincial vehicle emission detecting monitoring and management system	SHI Yun, ZHU Yun, ZHOU Qin, <i>et al.</i> (4193)

Network & Communication Technology

Architecture and capacity research of wireless Mesh network with regular topology	HU Zhi-yuan, WANG Jing, DENG Jian-liang, <i>et al.</i> (4197)
NC-OFDM based multi-user dynamic spectrum allocation strategies	HOU Wei, ZHANG Lin, SHAN Xiu-ming, <i>et al.</i> (4201)

Access control algorithm for dynamic spectrum sharing communication system	FANG Fei, MAO Yu-ming, LENG Su-peng, <i>et al.</i> (4205)
New design of flexible-length S-random interleaver	LI Xiao-wen, CHEN Zhen-dong, CHEN Fa-tang (4209)
Dynamic trust model based on reputation and risk evaluation for trustworthy network	ZHOU Qian, YU Jiong (4211)
Turbo codes for bit-interleave efficient encoding and decoding scheme based on 3GPP standards	XU Lin, TAN Jin, WU Yu-cheng (4215)
QoS routing protocol for WMSNs based on differentiated services	ZHONG Liu-sheng, CHENG Liang-lun (4218)
Adaptive multi-sensor collaborative strategy for target tracking in WSNs	FENG Lin-fang, XU Bu-gong, LIU Yong-gui (4222)
Genetic algorithm based routing protocol for wireless sensor networks	GAO De-min, QIAN Huan-yan, WANG Zheng, <i>et al.</i> (4226)
Interface role decision in hybrid strategy for wireless Mesh network	XIE Gui-fang, LI Sheng-xin, ZHANG Xia (4230)
Research of Internet of things based on improved 6LoWPAN	TANG Zhi-ling, YANG Xue-zhou, LI Si-min (4233)
Adaptive congestion control strategy based on binary spray and wait routing in DTN	WANG Gui-zhu, WANG Bing-ting, ZHANG Jia-yong (4237)
Research on co-site interference problem of radio communication	ZHAO Bo, QUAN Hou-de, ZHAO Hui-qiang (4242)
Algorithm of random access detection in TDD-LTE	JIANG You-bang, LI Guang-jun, YANG Hai-fen (4245)
Research of load balancing in heterogeneous wireless network	JIANG Qing, JI Li-li, TANG Lun, <i>et al.</i> (4248)
Research on optimal cluster-head number of LEACH routing protocol for WSN	JIANG Yang, SUN Liu-lin, AO Wen-jun, <i>et al.</i> (4251)
Root-MUSIC with real-valued eigen-decomposition for coherent signals based on cross-correlation vector reconstruction	YANG Wu, HUANG Deng-shan, MA Zhen-hua (4254)
Method of reducing PAPR with LDPC coding and clipping in OFDM system	LI Chun-peng, WANG Chun-hua (4257)
Wireless sensor network data reliability analysis based on network coding	HAO Jing, FENG Hai-lin (4260)
Research on construction of best bidirectional double-loop networks $G(N; \pm r, \pm s)$	LIU Hui, XU Wu-ling, FANG Mu-yun, <i>et al.</i> (4264)
Horizontal data fusion algorithm using virtual polar coordinate	ZHANG Jing, YANG Yun, CHEN Yong-jun, <i>et al.</i> (4268)
Improved ant colony algorithm to solve mobile agent in wireless sensor networks	ZHANG Sheng, HE Qing-quan, YIN Zhi-jun, <i>et al.</i> (4272)
Design and application of sine-map chaotic interleaver	CHEN Zhao, TANG Tian-hao (4276)
Trusted access algorithm of node in community network	GAO Ling, YANG Wei, CHEN Dong-qi, <i>et al.</i> (4279)
Adaptive spray and wait routing based on quality of node in DTN	WANG Gui-zhu, WANG Bing-ting, HE Cheng, <i>et al.</i> (4283)

Information Security Technology

Certificateless two-party key agreement scheme without bilinear pairing	LIU Wen-hao, XU Chun-xiang (4287)
Application of data hiding based on improved bilinear interpolation algorithm	REN Hong-e, CHANG Chun-wu, ZHANG Jian (4290)
Concurrent signature scheme over braid groups	PEI Li-chun, WEI Yun, XIONG Guo-hua, <i>et al.</i> (4293)
Lossless authentication watermarking algorithm based on difference expansion wireless sensor network	ZENG Wen-fei, WU Yan-peng (4296)
Efficient identity-based partially blind signature scheme	LI Ming-xiang, ZHENG Yan-juan, AN Wen-guang (4299)
Privacy-preserving data publishing using bipartite graph	LAN Li-hui, JU Shi-guang, JIN Hua, <i>et al.</i> (4303)
Design of DAA protocol based on dual discrete logarithm	YANG Ya-tao, LI Zi-chen, YAN Shi-dou, <i>et al.</i> (4306)
Improved trusted network connect protocol to prevent middle attack	YANG Ya-tao, LI Zi-chen, YU Pei, <i>et al.</i> (4309)
ICMP covert channel detection by information entropy and mixture SVM	WANG Chuan-an, JIA Bing-jing, HE Wen-juan, <i>et al.</i> (4312)
Research on equilibrium state in modularization immunity neural network model	HOU Jia-li (4316)
New certificateless partially blind signature scheme	YU Dan, YANG Xiao-yuan, HUANG Da-wei (4319)
Research on cutting for 3D model based on VTK	HE Yi-yue, GENG Guo-hua, ZHOU Ming-quan, <i>et al.</i> (4322)
GPU-based regular expression match engine for deep packet inspection	WANG Lei, CHEN Shu-hui, SU Jin-shu, <i>et al.</i> (4324)

Graphics & Image Technology

Study of low-resolution human ear image recognition	WANG Xiao-yun, YUAN Wei-qi, GUO Jin-yu (4328)
Method of 3D face recognition based on keypoint matching	SONG Ding-li, YANG Bing-ru, YU Fu-xing (4331)
New method for component-labeling in binary image	ZHANG Yun-zhe, ZHAO Hai, SONG Chun-he, <i>et al.</i> (4335)
New connected components labeling algorithm and relevant applications on medical image processing	TAN Li, LI Bin, TIAN Lian-fang (4338)
Variable-domain approach for color image segmentation based on RGB statistical model	WANG Zhi-liang, GAO Xiao-liang, WANG Lu (4341)
Multiple description coding for protecting regions of interest in images over noisy channels	CHEN Xiao-lei, ZHANG Ai-hua, YANG Xin-zhu, <i>et al.</i> (4345)
Filtering methods of scattered point set based on multi-scale kernel function	LIU Guang-shuai, LI Bai-lin, HE Chao-ming (4348)
Anisotropic diffusion with high-order coupling term for image restoration	HUANG Yong-lin, YE Yu-tang, QIAO Nao-sheng, <i>et al.</i> (4350)
Concrete CT image segmentation method based on belief propagation	ZHAO Liang, LI Chang-hua, DANG Fa-ning, <i>et al.</i> (4353)
Traffic congestion detection based on global optical flow field	ZHAO You-ting, LI Xi-ying, SHE Yong-ye, <i>et al.</i> (4355)
Research on arithmetic of automatic inpainting for digital image in blind environment	LUO Hui-lan, LI Jing, WANG Wei (4358)
Medical CT image segmentation based on mathematical morphology and region merging	HUANG Zhan-peng, YI Fa-ling, ZHOU Su-juan, <i>et al.</i> (4360)
New method for modeling plant petal	YANG Rong, YUAN Xiu-jiu, LIU Dong, <i>et al.</i> (4363)
Hybrid tracking algorithm recoverable from missing track by template matching	ZUO Jun-yi, ZHANG Yi-zhe, WANG Zheng-ping (4366)
Interactive segmentation of rectangle object via graph cut	LANG Xian-peng, ZHU Feng (4369)
New image denoising approach based on Tetrolet transform	LI Cai-lian, SUN Ji-xiang, KANG Yao-hong (4373)
Spatial relation descriptor based on metric matrix's eigenvalue	ZHANG Wei, HE Jin-guo, SANGPEI Luo-bu (4376)
Fracture identification of X-ray image	LIANG Jian, PAN Bao-chang, HUANG Yong-hui, <i>et al.</i> (4379)
Improved Brovey transform by low-pass filter	WU Lian-xi (4383)
Replicator equation based image registration approach	YAN Yu-wu, SUN Ya-jun, YAO Xiao-qiang (4386)
PCNN-based medical image edge extraction	LI Jian-feng, XIN Guo-jiang (4389)
Preserving-topology transformation based on densely landmarks	LIU Xia, YANG Xuan (4394)
Palmprint recognition based on multilinear principal component analysis and FLD	GUO Jin-yu, KONG Xiao-guang, LI Yuan, <i>et al.</i> (4398)

Information

Important Contents of Next Issue	(4039)
Subscription	(4267)

Serial parameters: CNS1-1196/TP * 1984 * m * A4 * 400 * zh * P * ¥30.00 * 4800 * 113 * 2010-11 * n

Responsible Editor HONG Zhi-quan