



### 学术论文

- 命名数据网络下基于 K-medoids 的簇内 Hash 路由机制 ..... 鄢欢,高德云,苏伟(2313)
- 一种增强型多目标烟花爆炸优化算法 ..... 谢承旺,许雷,汪慎文,肖驰,夏学文(2323)
- 基于合成孔径阵列的雷达辐射源被动定位技术研究 ..... 朱建丰,陈玥,郝本建,牛刚,万鹏武(2332)
- 基于多阶段学习的相关滤波目标跟踪 ..... 孙航,李晶,杜博,肖雅夫,胡云玲(2337)
- 一种基于双空间密度的多目标进化算法 ..... 王鹏,张长胜,张斌,吴嘉轩,刘婷婷(2343)
- 空域分解的机载 MIMO 雷达空时处理方法 ..... 周延,姜博,聂卫科,张万绪(2348)
- 一种快速鲁棒的视频序列运动目标检测方法 ..... 秦晓燕,袁广林,李从利,张旭(2355)
- 基于梯度双面互补特性的级联快速目标检测 ..... 谢昭,吴东涛,吴克伟,李洋(2362)
- 面向目标检测基于稀疏表示的波段选择方法 ..... 唐意东,黄树彩,薛爱军(2368)
- 基于椭圆弧扫描转换的超声波无损检测全聚焦算法 ..... 崔文凯,秦开怀(2375)
- 多层融合深度局部 PCA 子空间稀疏优化特征提取模型 ..... 胡正平,陈俊岭(2383)
- 卷积自编码器中粗粒度池化特征提取研究 ..... 罗畅,王洁,王鹏飞,肖军,肖红(2390)
- 基于修正交错网格方案的 RFG-FFT 算法 ..... 谢家焯,庞丽莉,钱晓霞,卢松玉(2402)
- 基于低频窄带的超高性能高频宽带合成源设计 ..... 王李飞,张宁,杨宜生,唐丽萍(2409)
- 云环境下面向跨域作业的调度方法 ..... 李焱,郑亚松,李婧,朱春鹤,刘欣然(2416)
- 一种基于二部图和节点角色划分的社交网络推荐方案 ..... 肖云鹏,刘瀚松,刘宴兵(2425)
- 代数商空间的同余结构研究 ..... 孙野,王加阳,张思同(2434)
- 基于费马商的  $r$  元序列的迹表示 ..... 杜小妮,李芝霞,万韞琦,李晓丹(2439)
- 基于条件独立测试的链图结构学习算法 ..... 王静云,刘三阳,朱明敏(2443)
- 场线路多耦合下电机及其驱动系统辐射电磁干扰预测方法研究 ..... 肖培,王珏,凌明祥,聂宝林,杜平安(2449)
- 面向分组密码的四维度并行处理架构研究 ..... 王寿成,李功丽,严迎建,徐进辉(2457)
- 测试不可靠条件下基于量子进化算法的测试优化选择 ..... 雷华军,秦开宇(2464)
- 一种基于 Kalman 滤波和粒子群优化的测试数据生成方法 ..... 薛猛,姜淑娟,张争光,钱俊彦,张艳梅,曹鹤玲(2473)
- 基于简单随机抽样的大数据可信性验证方法 ..... 任正伟,孙小雁,王丽娜,王骞,徐明迪,张茂胜(2484)
- 基于谱聚类集成的变压器在线故障诊断 ..... 刘荣胜,彭敏放,肖祥慧(2491)
- 基于变型空间代数的自动程序修复方法 ..... 徐勇,毋国庆,袁梦霆,黄勃(2498)
- 频谱互质重排亚奈奎斯特率采样方法 ..... 钱慧,杨超(2506)
- 规则 RC 分形分抗逼近电路的零极点分布 ..... 袁子,袁晓(2511)
- Magpie:一种高安全的轻量级分组密码算法 ..... 李浪,李肯立,贺位位,邹祎,刘波涛(2521)
- 四分组类 CLEFIA 变换簇抵抗差分密码分析的安全性评估 ..... 王念平(2528)
- 利用配价信息的语义角色标注 ..... 袁里驰(2533)
- 基于不同边界条件的 SIW 谐振腔导模场分析及应用 ..... 王树兴,张德伟,吴瑛,刘庆,周东方,张毅(2540)

### 科研通信

- 正则化预条件方法在矩量法中的应用 ..... 袁浩波,杨蒙,党晓杰,王楠(2549)
- 全新卫星双向时间比对调制解调器设计 ..... 王学运,王海峰,张升康,袁媛,王宏博,王超,王亮(2555)
- $l_0$ -范数约束的稀疏多径信道 RLS 常模盲均衡算法 ..... 马思扬,王彬,彭华(2561)



Supported by the National Natural Science Foundation of China

# ACTA ELECTRONICA SINICA

( Monthly )

Vol. 45 No. 10

Oct. 2017

## PAPERS

- K-medoids Based Intra-Cluster Hash Routing for Named Data Networking ..... YAN Huan, GAO De-yun, SU Wei (2313)
- An Enhanced Multi-objective Fireworks Explosion Optimization Algorithm  
..... XIE Cheng-wang, XU Lei, WANG Shen-wen, XIAO Chi, XIA Xue-wen (2323)
- Passive Radar Source Localization Using Synthetic Aperture Antenna Array  
..... ZHU Jian-feng, CHEN Yue, HAO Ben-jian, NIU Gang, WAN Peng-wu (2332)
- Correlation Filtering Target Tracking Based on Online Multi-lifespan Learning  
..... SUN Hang, LI Jing, DU Bo, XIAO Ya-fu, HU Yun-ling (2337)
- A Two-Space-Density Based Multi-objective Evolutionary Algorithm for Multi-objective Optimization  
..... WANG Peng, ZHANG Chang-sheng, ZHANG Bin, WU Jia-xuan, LIU Ting-ting (2343)
- The Space-Time Processing Method Based on the Spatial Decomposition in Airborne MIMO Radar  
..... ZHOU Yan, JIANG Bo, NIE Wei-ke, ZHANG Wan-xu (2348)
- An Approach to Fast and Robust Detecting of Moving Target in Video Sequences  
..... QIN Xiao-yan, YUAN Guang-lin, LI Cong-li, ZHANG Xu (2355)
- The Cascaded Rapid Object Detection with Double-Sided Complementary in Gradients  
..... XIE Zhao, WU Dong-tao, WU Ke-wei, LI Yang (2362)
- Sparse Representation Based Band Selection for Hyperspectral Imagery Target Detection  
..... Tang Yi-dong, Huang Shu-cai, Xue Ai-jun (2368)
- Total Focusing Method for Ultrasonic Non-Destructive Inspection of Homogenous Objects Based on  
Elliptical Arc Scan Conversion ..... CUI Wen-kai, QIN Kai-huai (2375)
- Feature Extraction Model Based on Multi-layered Deep Local Subspace Sparse Optimization ..... HU Zheng-ping, CHEN Jun-ling (2383)
- Coarse-Grained Pooled Features Learning in Convolutional Autoencoders  
..... LUO Chang, WANG Jie, WANG Peng-fei, XIAO Jun, XIAO Hong (2390)
- The RFG-FFT Based on Modified Dislocated Grids Scheme ..... XIE Jia-ye, PANG Li-li, QIAN Xiao-xia, LU Song-yu (2402)
- The Ultra-high Performance and Wide-Band Frequency Synthesizer Design Based on  
Low-Frequency and Narrow-Band ..... WANG Li-fei, ZHANG Ning, YANG Yi-sheng, TANG Li-ping (2409)
- A Scheduling Strategy for Jobs Across Geo-Distributed Datacenters in Cloud Computing  
..... LI Yan, ZHENG Ya-song, LI Jing, ZHU Chun-ge, LIU Xin-ran (2416)
- A Social Network Recommendation Scheme Based on Bipartite Graph and Node Role Division  
..... XIAO Yun-peng, LIU Han-song, LIU Yan-bing (2425)
- A Study of Congruence Structure in Algebraic Quotient Space ..... SUN Ye, WANG Jia-yang, ZHANG Si-tong (2434)
- Trace Representation of  $r$ -ary Sequences Derived from Fermat Quotients ..... DU Xiao-ni, LI Zhi-xia, WAN Yun-qi, LI Xiao-dan (2439)
- Structure Learning of Chain Graphs Using the Conditional Independence Tests ..... WANG Jing-yun, LIU San-yang, ZHU Ming-min (2443)
- An Efficient Approach for Predicting Electromagnetic Interference Emission of Motor and Its Driver System  
Under Field-Circuit and TL Coupling ..... XIAO Pei, WANG Jue, LING Ming-xiang, NIE Bao-lin, DU Ping-an (2449)
- Four Dimensions Parallel Processing Architecture for Block Cipher ..... WANG Shou-cheng, LI Gong-li, YAN Ying-jian, XU Jin-hui (2457)
- Optimal Selection of Imperfect Tests Based on Improved Quantum-Inspired Evolutionary Algorithm ..... LEI Hua-jun, QIN Kai-yu (2464)
- A Test Data Generation Method Based on Kalman Filter and Particle Swarm Optimization Algorithm  
..... XUE Meng, JIANG Shu-juan, ZHANG Zheng-guang, QIAN Jun-yan, ZHANG Yan-mei, CAO He-ling (2473)
- A Trustworthiness Verification Approach for Big Data Based on Simple Random Sampling  
..... REN Zheng-wei, SUN Xiao-yan, WANG Li-na, WANG Qian, XU Ming-di, ZHANG Mao-sheng (2484)
- The Transformer On-line Fault Diagnosis Based on Spectral Clustering Ensemble  
..... LIU Rong-sheng, PENG Min-fang, XIAO Xiang-hui (2491)
- Automatic Program Repair Based on Version-Space Algebra ..... XU Yong, WU Guo-qing, YUAN Men-ting, HUANG Bo (2498)
- Sub-Nyquist Sampling on Spectrum Co-prime Permutation ..... QIAN Hui, YANG Chao (2506)
- On Zero-Pole Distribution of Regular RC Fractal Fractance Approximation Circuits ..... YUAN Zi, YUAN Xiao (2511)
- Magpie: a High-Security Lightweight Block Cipher ..... LI Lang, LI Ken-li, HE Wei-wei, ZOU Yi, LIU Bo-tao (2521)
- Security Evaluation Against Differential Cryptanalysis for Four-Block CLEFIA-Like Transform Cluster ..... WANG Nian-ping (2528)
- Semantic Role Labeling Utilizing Valence Information ..... YUAN Li-chi (2533)
- Guided-Mode Field Analysis of SIW Resonator with Different Boundary Conditions and Its Applications  
..... WANG Shu-xing, ZHANG De-wei, WU Ying, LIU Qing, ZHOU Dong-fang, ZHANG Yi (2540)

## CORRESPONDENCE

- Application of the Regularization Preconditioning to the Moment Methods ..... YUAN Hao-bo, YANG Meng, DANG Xiao-jie, WANG Nan (2549)
- Design of a New Two-Way Satellite Time and Frequency Transfer Modem  
..... WANG Xue-yun, WANG Hai-feng, ZHANG Sheng-kang, YUAN Yuan, WANG Hong-bo, WANG Chao, WANG Liang (2555)
- $l_0$ -norm Constraint RLS Constant Modulus Algorithm for Sparse Channel Equalization ..... MA Si-yang, WANG Bin, PENG Hua (2561)