

目 次

*N*代斐波那契数列和*N*代黄金分割  
..... 梁昌洪, 谭康伯, 张 伟 (1)

红外头盔式眼动仪的瞳孔中心定位算法  
..... 王军宁, 刘 涛, 何 迪, 武媛媛 (7)

一种抵抗几何攻击的视频低维流形双水印方法  
..... 同 鸣, 许 婷, 张建龙 (13)

一种具有新颖电磁带隙结构的印刷电路板电源平面  
..... 路宏敏, 余志勇, 赵益民, 那 彦 (20)

判别近邻保持嵌入人脸识别  
..... 田玉敏, 云艳娥, 马天骏 (24)

利用H. 264/AVC数据分割实现GOP级视频传输的方法  
..... 冯妮娜, 常义林, 李 鹏, 杨付正, 卢朝阳 (29)

一种高重构质量低复杂度的高光谱图像压缩感知  
..... 刘海英, 李云松, 吴成柯, 吕 沛 (37)

利用分级正交幅度调制的无线视频传输方法  
..... 李 鹏, 卢朝阳, 常义林, 冯妮娜, 李志斌 (42)

一种均衡网络传输功率的移动控制算法  
..... 闫中江, 沈 中, 常义林, 杨家玮 (48)

复合运动目标微多普勒特征的分析 and 提取  
..... 陈广锋, 张林让, 王 纯, 刘高高 (55)

一种抗噪声的高效多聚焦图像融合算法  
..... 严春满, 郭宝龙, 杨秀红 (63)

虚幻面孔加工有效连通网络的非线性DCM分析  
..... 李 军, 赵继政, 冯 璐, 石光明, 梁继民 (69)

一种用于人脸检测SoC中的加速协处理器设计  
..... 焦继业, 穆 荣, 郝 跃 (76)

- 用于片上网络的准延时不敏感全异步仲裁器  
..... 管旭光, 杨银堂, 朱樟明 (83)
- 弹载 SAR 下降段成像算法研究  
..... 周松, 周鹏, 李亚超, 邢孟道, 保铮 (90)
- 低剂量 CT 图像模型参数估计及统计去噪研究  
..... 张元科, 张军英, 卢虹冰 (99)
- 一种新的红外弱小目标检测前跟踪算法  
..... 武斌, 李鹏 (107)
- 用于 GPS 接收机的快速自适应干扰抑制方法  
..... 王纯, 张林让, 陈广锋, 黄庆东, 刘高高 (114)
- 一种基于监督降维和形状分析的基因选择方法  
..... 耿耀君, 张军英 (121)
- 一种基于逆向迭代搜索的快速隐通道检测方法  
..... 张立勇, 王献青, 陈平, 邓凡, 孔德兰 (128)
- 一类围长至少为 6 的 QC-LDPC 码的存在性  
..... 张国华, 王新梅 (136)
- Schnorr 类有序多重签名中的阈下信道的封闭协议  
..... 张应辉, 李晖, 马华 (140)
- 阵列天线相位中心的校准方法及误差分析  
..... 陈曦, 傅光, 龚书喜, 阎亚丽, 刘海凤 (145)
- 利用 DT-GrowCut 的 MSTAR SAR 图像自动分割技术  
..... 崔艳鹏, 胡建伟, 杨绍全, 朱燕 (150)
- 带 Besov 忠诚项的图像去噪变分模型  
..... 张伟斌, 冯象初, 王卫卫 (155)
- 基于双频脉冲激光器的距离多普勒探测  
..... 李艳辉, 吴振森 (159)
- 一种曲面拟合图像边缘特征提取算法  
..... 杜亚勤, 洪波, 郭雷, 杨宁 (164)
- 高速广义多载波解调的低成本硬件优化设计  
..... 熊何锐, 郝学飞, 胡国荣 (169)
- 粒子群算法在阵列天线方向图综合中的应用  
..... 王维博, 冯全源 (175)
- 一种面向观点挖掘的多粒度话题情感联合模型  
..... 赵煜, 蔡皖东 (181)
- 基于字频统计的子同步码盲检测方法研究  
..... 吕喜在, 苏绍琛, 黄芝平 (189)

## Contents

- N*-generation Fibonacci sequence and the *N*th-generation golden section  
 ..... LIANG Changhong, TAN Kangbo, ZHANG Wei (1)
- Pupil center localization algorithm used for the IR head-mounted eye tracker  
 ..... WANG Junning, LIU Tao, HE Di, WU Yuanyuan (7)
- Video dual watermarking method for resisting geometric attacks based on low-dimensional manifold  
 ..... TONG Ming, XU Ting, ZHANG Jianlong (13)
- Power plan of the printed circuit board with novel electromagnetic band-gap structures  
 ..... LU Hongmin, YU Zhiyong, ZHAO Yimin, NA Yan (20)
- Discriminant neighborhood preserving embedding algorithm for face recognition  
 ..... TIAN Yumin, YUN Yan'e, MA Tianjun (24)
- GOP-level video transmission method using data partitioning in H. 264/AVC  
 ..... FENG Ni'na, CHANG Yilin, LI Peng, YANG Fuzheng, LU Zhaoyang (29)
- Compressed hyperspectral image sensing based on interband prediction  
 ..... LIU Haiying, LI Yunsong, WU Chengke, LÜ Pei (37)
- Unequal error protection strategy for video transmission over wireless channels with hierarchical QAM  
 ..... LI Peng, LU Zhaoyang, CHANG Yilin, FENG Ni'na, LI Zhibin (42)
- Movement control algorithm for balancing transmission power  
 ..... YAN Zhongjiang, SHEN Zhong, CHANG Yilin, YANG Jiawei (48)
- Micro-Doppler feature analysis and extraction of the complex motion target  
 ..... CHEN Guangfeng, ZHANG Linrang, WANG Chun, LIU Gaogao (55)
- High efficiency algorithm with antinoise properties for multi-focus image fusion  
 ..... YAN Chunman, GUO Baolong, YANG Xiuhong (63)
- Investigation of effective connectivity of the illusory face detection network based on nonlinear dynamic  
 causal models analysis ..... LI Jun, ZHAO Jizheng, FENG Lu, SHI Guangming, LIANG Jimin (69)
- Co-processor implementation for fast face detection in a system-on-chip  
 ..... JIAO Jiye, MU Rong, HAO Yue (87)
- Quasi delay-insensitive full asynchronous arbiter for the network on chips  
 ..... GUAN Xuguang, YANG Yintang, ZHU Zhangming (83)

- Research on the imaging algorithm for missile-borne SAR with downward movement  
 ..... ZHOU Song, ZHOU Peng, LI Yachao, XING Mengdao, BAO Zheng (90)
- Parameter estimation and statistical noise reduction for low-dose CT sinogram  
 ..... ZHANG Yuanke, ZHANG Junying, LU Hongbing (99)
- Novel track-before-detect algorithm for small infrared target  
 ..... WU Bin, LI Peng (107)
- Fast adaptive interference suppression method in the GPS receiver  
 ..... WANG Chun, ZHANG Linrang, CHEN Guangfeng, HUANG Qingdong, LIU Gaogao (114)
- Gene selection method based on supervised dimension reduction and procrustes analysis  
 ..... GENG Yaojun, ZHANG Junying (121)
- Fast reverse searching method for covert channels identification  
 ..... ZHANG Liyong, WANG Xianqing, CHEN Ping, DENG Fan, KONG Delan (128)
- On the existence of a class of QC-LDPC codes with girth at least six  
 ..... ZHANG Guohua, WANG Xinmei (136)
- Free protocol for the subliminal channels in the Schnorr-type ordinal multi-signature schemes  
 ..... ZHANG Yinghui, LI Hui, MA Hua (140)
- Study of calibration of the phase center of array antennas and its error analysis  
 ..... CHEN Xi, FU Guang, GONG Shuxi, YAN Yali, LIU Haifeng (145)
- SAR image automatic segmentation based on DT-GrowCut  
 ..... CUI Yanpeng, HU Jianwei, YANG Shaoquan, ZHU Yan (150)
- Variational model with the Besov fidelity term for image denoising  
 ..... ZHANG Weibin, FENG Xiangchu, WANG Weiwei (155)
- Range Doppler detection based on the pulsed two-frequency laser  
 ..... LI Yanhui, WU Zhensen (159)
- Novel curve fitting edge feature extraction algorithm  
 ..... DU Yaqin, HONG Bo, GUO Lei, YANG Ning (164)
- Low-cost hardware optimization design for high-speed GMC demodulation  
 ..... XIONG Herui, HAO Xuefei, HU Guorong (169)
- Application of PSO algorithm in pattern synthesis for antenna arrays  
 ..... WANG Weibo, FENG Quanyuan (175)
- Multi-grain joint model of topic and sentiment for opinion mining  
 ..... ZHAO Yu, CAI Wandong (181)
- Research on blind detection of the sub synchronous sequence based on word frequency statistic  
 ..... LÜ Xizai, SU Shaojing, HUANG Zhiping (189)