

目 次

DF 协作系统中基于中断概率的功率分配算法
..... 宋 婧, 葛建华, 李 靖 (1)

一种简化的 GF(q)-LDPC 码译码算法
..... 胡树楷, 王新梅 (8)

MIMO 空间复用系统中的一种新的低复杂度球形检测算法
..... 任光亮, 段昕利, 郁光辉, 杨丽花 (13)

基于马尔科夫决策的容迟网络路由算法
..... 张文柱, 孙发勇, 王 炫 (18)

考虑包内容特性的网络语音质量评价模型
..... 李 维, 杨付正 (23)

联合模拟网络编码和信道编码的迭代设计
..... 张 冰, 王 峰 (29)

基于机会网络编码的多用户协作通信方案设计
..... 施玉晨, 白宝明, 王 静 (36)

BICM 系统中一种低复杂度的迭代解映射算法
..... 马 卓, 杜栓义, 王新梅 (42)

使用兴趣点局部分布特征及多示例学习的图像检索方法
..... 孟繁杰, 郭宝龙 (47)

基于蓝牙的 WPAN 吞吐量研究及改进
..... 张 超, 庄奕琪, 李振荣, 靳 钊, 刘伟峰 (54)

一种新的人脸归一化算法
..... 靳 薇, 张建奇, 梁建霞, 王加强 (61)

一种全局最优的非匀质图像分割算法
..... 刘建磊, 冯大政 (66)

一种模糊推理强机动目标跟踪新算法
..... 杨金龙, 姬红兵, 樊振华 (72)

一种新型低成本移相技术的研究
..... 张 厚, 殷 雄, 龚书喜, 王 剑 (77)

一种快速的基于压缩感知的多普勒高分辨方法
..... 刘 寅, 吴顺君, 张怀根, 吴明宇, 李春茂 (82)

| | |
|---------------------------------|------------------------------------|
| 机载多输入多输出雷达局域化降维杂波抑制方法 | 吕 晖, 冯大政, 和 洁, 向 聪 (88) |
| 阵元位置误差校正 Toeplitz 预处理算法 | 杨 洁, 刘聪锋 (93) |
| 采用改进粒子滤波的雷达扩展目标检测前跟踪 | 吴兆平, 朱凯然, 苏 涛, 卢 锦 (99) |
| 空间锥体目标微动特性分析与识别方法 | 关永胜, 左群声, 刘宏伟, 杜 兰, 李彦兵 (105) |
| 宽带 L 型非均匀阵的极化和到达角的联合估计 | 常 虹, 赵国庆, 石海杰 (112) |
| 一种新的宽基线图像匹配方法 | 陈 冰, 赵亦工, 李 欣 (116) |
| 附加延时线的阵列天线模式项 RCS 减缩优化 | 王文涛, 张鹏飞, 龚书喜, 王 兴, 洪 涛, 路 宝 (124) |
| 一种长整数模乘幂的改进算法与实现 | 谢元斌, 史江一, 郝 跃 (129) |
| 一种峰值电流控制模式的大功率 DC-DC 转换器芯片设计 | 刘帘曦, 杨银堂, 朱樟明 (135) |
| 二极管抽运固体激光器热效应的非对称性分析 | 林 林, 过 振, 王石语, 刘海强, 蔡德芳, 李兵斌 (141) |
| 一种面向片上网络的多时钟路由器设计 | 刘 毅, 杨银堂, 周东红 (146) |
| 支持 Stutter-不变性的命题区间时序逻辑 | 杨 琛, 段振华 (151) |
| 广义 Cauchy-Riemann 条件和 n 元调和函数 | 梁昌洪, 陈 曦, 黄 锴, 贺之莉 (157) |
| 基于子空间新型跟踪策略的 RLS 盲多用户检测算法 | 黄如浩, 何培宇, 于文君, 高 勇 (162) |
| 一种 Turbo 码编码参数的盲识别方法 | 张永光 (167) |
| 主站偏心的场面监视系统及性能分析 | 官峰勳, 雷艳萍, 马艳秋 (173) |
| 拓扑序列航迹相关的高效修正算法 | 吴泽民, 蒋叶金, 任姝婕 (180) |
| 证据推理的近似计算研究 | 苗 壮, 程咏梅, 潘 泉, 侯 俊 (187) |
| 印刷指数渐变 Vivaldi 天线研究 | 李 萍, 余嘉傲 (194) |

Contents

| | |
|---|--|
| Power allocation algorithm based on outage probability for DF cooperative systems | SONG Jing, GE Jianhua, LI Jing (1) |
| Simplified decoding algorithm for LDPC over GF(q) | HU Shukai, WANG Xinmei (8) |
| Novel low complexity sphere detection algorithm for MIMO spatial multiplex systems | REN Guangliang, DUAN Xinli, YU Guanghui, YANG Lihua (13) |
| Study of the DTN routing algorithm based on the Markov decision | ZHANG Wenzhu, SUN Fayong, WANG Xuan (18) |
| No-reference quality assessment model for networked speech based on the content feature of packets | LI Wei, YANG Fuzheng (23) |
| Iterative design for the joint analog network and channel coding | ZHANG Bing, WANG Feng (29) |
| Multi-user cooperative communications scheme design based on opportunistic network coding | SHI Yuchen, BAI Baoming, WANG Jing (36) |
| Low complexity iterative demapping algorithm in BICM systems | MA Zhuo, DU Shuanyi, WANG Xinmei (42) |
| Image retrieval by using local distribution features of interest points and multiple-instance learning | MENG Fanjie, GUO Baolong (47) |
| Study and improvement of bluetooth-based WPAN throughput | ZHANG Chao, ZHUANG Yiqi, LI Zhenrong, JIN Zhao, LIU Weifeng (54) |
| New algorithm for normalization of the face image | JIN Wei, ZHANG Jianqi, LIANG Jianxia, WANG Jiaqiang (61) |
| Non-homogenous image segmentation with global optimization | LIU Jianlei, FENG Dazheng (66) |
| Novel algorithm for high maneuvering target tracking based on fuzzy reasoning MIE | YANG Jinlong, JI Hongbing, FAN Zhenhua (72) |
| Research on novel low cost phase shifting technology | ZHANG Hou, YIN Xiong, GONG Shuxi, WANG Jian (77) |
| Low complexity compressed sensing based Doppler high resolution algorithm | LIU Yin, WU Shunjun, ZHANG Huaigen, WU Mingyu, LI Chunmao (82) |
| Localized reduced-dimension clutter suppression method for the airborne MIMO radar | LÜ Hui, FENG Dazheng, HE Jie, XIANG Cong (88) |

- Array location error calibrating algorithm based on toeplitz pre-processing
 YANG Jie, LIU Congfeng (93)
- Extended radar target tracking before detection using the modified particle filter
 WU Zhaoping, ZHU Kairan, SU Tao, LU Jin (99)
- Micro-motion characteristic analysis and recognition of cone-shaped targets
 GUANG Yongsheng, ZUO Qunsheng, LIU Hongwei, DU Lan, LI Yanbing (105)
- Joint estimation of polarization and direction of arrival based on the wideband L-shaped sparse array
 CHANG Hong, ZHAO Guoqing, SHI Haijie (112)
- Wide baseline image matching based on a new local descriptor
 CHEN Bing, ZHAO Yigong, LI Xin (116)
- Antenna-mode RCS reduction optimization for array antennas with additional delay lines
 WANG Wentao, ZHANG Pengfei, GONG Shuxi, WANG Xing, HONG Tao, LU Bao (124)
- Improved modular exponentiation and VLSI implementation for RSA cryptosystem
 XIE Yuanbin, SHI Jiangyi, HAO Yue (129)
- Design of a high output power step down DC/DC converter with the peak current control mode
 LIU Lianxi, YANG Yintang, ZHU Zhangming (135)
- Analysis of thermal axial symmetry in the LD side-pumped laser
 LIN Lin, GUO Zhen, WANG Shiyu, LI Haiqiang, CAI Defang, LI Bingbin (141)
- Multi-clock router designed for the network-on-chip
 LIU Yi, YANG Yintang, ZHOU Donghong (146)
- Stutter-invariant propositional interval temporal logic
 YANG Chen, DUAN Zhenhua (151)
- Generalized Cauchy-Riemann equations and the n -variate harmonic function
 LIANG Changhong, CHEN Xi, HUANG Kai, HE Zhili (157)
- RLS blind multiuser detection based on a novel subspace tracking strategy
 HUANG Ruhao, HE Peiyu, YU Wenjun, GAO Yong (162)
- Blind recognition method for the Turbo coding parameter
 ZHANG Yongguang (167)
- Surface surveillance system of main station off-center and performance analysis
 GONG Fengxun, LEI Yanping, MA Yanqiu (173)
- Effectively modified topology sequence track correlation algorithm
 WU Zemin, JIANG Yejin, REN Shujie (180)
- Research on the approximation algorithm of the evidential theory
 MIAO Zhuang, CHENG Yongmei, PAN Quan, HOU Jun (187)
- The Research of Printed Vivaldi antenna
 LI Ping, YU Jia'ao (194)