

目次

专题:高速宽带航空通信关键技术

基于最大后验概率准则的宽带航空通信频域干扰检测算法

..... 王 鹏, 向 新, 赖建萍, 董鹏宇, 梁 源, 王 瑞(2)

有限域 $\mathbb{F}_{2^q}$ 上多元 LDPC 码的高效 ADMM 译码算法

..... 郭晓蒙, 张 涛, 王勇超(9)

基于确定性过采样的不平衡航空通信信号调制识别

..... 李浩然, 王艺然, 白 静, 肖 竹(18)

基于时频特征融合和无锚检测机制的高效语音信号检测框架

..... 李春辉, 向 新, 杨思力, 律国仓, 魏景璇, 李 桥(26)

一种基于残差估计的译码反馈均衡算法

..... 李晓辉, 卫晓博, 石明利, 吕思婷(35)

军用航空

基于两阶段的民转军运输机军用装备载重平衡优化

..... 李云飞, 徐吉辉, 吴文君, 赵向领, 张传龙(42)

基于贝叶斯更新的整体加筋壁板裂纹扩展寿命动态预测方法

..... 张力文, 宁 宇, 张彦军, 赵天娇(52)

空天防御

基于超网络的合成旅武器装备体系贡献率评估

..... 曹冠平, 王淑卉, 楚敏南, 陈财森(62)

混合现实指控界面人机工效综合评价方法研究

..... 王 威, 张靖韬, 陈 同, 朱野山, 瞿 珏(69)

电子信息与通信导航

基于工艺波动的单粒子串扰效应研究

..... 刘保军, 雍霄驹, 张 爽, 陈名华(79)

无人作战

基于改进贝叶斯网络的察打一体无人机使用安全评估

..... 周昱林, 刘树光, 王 柯(86)

基于 Light Reverse Transformer 的空中目标意图识别方法

..... 王 科, 郭相科, 王亚男, 倪 鹏, 权 文, 李成海(96)

基于 YOLOv8 的红外无人机小目标检测研究

..... 李 燕, 曲 毅, 胡健生(106)

军事智能

基于窗口扩展的空间耦合 LDPC 码滑窗译码算法设计

..... 刘 洋, 钱燕芝, 王希阳, 孙 莎(112)

基于 NadaMax 更新与动态正则化的对抗样本迁移性增强方法

..... 宋亚飞, 仇文博, 王艺菲, 冯存前(119)

CONTENTS

Subject: Key Technologies of High-Speed Broadband Airborne Communication

A Jamming Detection Algorithm Based on Maximum Posterior Probability in Frequency Domain for Broad-band Aeronautical Communications
..... WANG Peng,XIANG Xin,LAI Jianping,DONG Pengyu,LIANG Yuan,WANG Rui(2)

An Efficient ADMM Decoder for Non-Binary LDPC Codes in $\mathbb{F}_{2^q}$
..... GUO Xiaomeng,ZHANG Tao,WANG Yongchao(9)

A Signal Modulation Classification for Unbalanced Aviation Communication Signals Based on Deterministic Oversampling
..... LI Haoran,WANG Yiran,BAI Jing,XIAO Zhu(18)

An Efficient Voice Signal Detection Framework Based on Time-Frequency Feature Fusion and Anchor-Free Detection Mechanism
..... LI Chunhui,XIANG Xin,YANG Sili,LYU Guocang,WEI Jingxuan,LIANG Yuan,LI Qiao(26)

A Decoding Feedback Equalization Algorithm Based on Residual Estimation
..... LI Xiaohui,WEI Xiaobo,SHI Mingli,LYU Siting(35)

Military Aviation

A Load Balance Optimization for Civil-to-Military Transport Aircraft Military Equipment Based on Two-Stage
..... LI Yunfei,XU Jihui,WU Wenjun,ZHAO Xiangling,ZHANG Chuanlong(42)

A Method of Dynamically Predicting Crack Propagation Life of Integrally on Stiffened Panels Based on Bayesian Updating
..... ZHANG Liwen,NING Yu,ZHANG Yanjun,ZHAO Tianjiao(52)

Aerospace Defense

A Contribution Evaluation Method in Weaponry Systems for Synthetic Brigade Based on Super-Network
..... CAO Guanping,WANG Shuhui,CHU Minnan,CHEN Caisen(62)

Research on Comprehensive Evaluation Method of Ergonomics of Mixed Reality Charging Interface
..... WANG Wei,ZHANG Jingtao,CHEN Tong,ZHU Yeshan,QU Jue(69)

Electronic Information and Communication Navigation

Research on Single Event Crosstalk with Process Variations of Interconnect Lines
..... LIU Baojun,YONG Xiaoju,ZHANG Shuang,CHEN Minghua(79)

Unmanned Combat

An Assessment on Use and Safety of Reconnaissance-Strike UAV Based on Improved Bayesian Network
..... ZHOU Yulin,LIU Shuguang,WANG Ke(86)

A Method of Recognizing Air Target Intent Based on Light Reverse Transformer
..... WANG Ke,GUO Xiangke,WANG Yanan,NI Peng,QUAN Wen,LI Chenghai(96)

Research on Small Target Detection of Infrared UAV Based on YOLOv8
..... LI Yan,QU Yi,HU Jiansheng(106)

Military Intelligence

A Sliding Window Decoding Algorithm Based on Window Extension for Spatially Coupled LDPC Codes
..... LIU Yang,QIAN Yanzhi,WANG Xiyang,SUN Sha(112)

A Method of Enhancing Adversarial Example Transferability Based on NadaMax Update and Dynamic Regularization
..... SONG Yafei,QIU Wenbo,WANG Yifei,FENG Cunqian(119)