

ISSN 1008-1194
CODEN TYKXAM

探测与控制学报

JOURNAL OF DETECTION & CONTROL

第42卷
Vol.42

第2期
No.2

2
2020

ISSN 1008-1194



中国兵器工业集团第212研究所
机电工程与控制国家级重点实验室

万方数据

探测与控制学报

第四十二卷
第二期

二〇二〇年四月

目 次

超高速侵彻引信多层目标过载层间粘连机理····· 李 蓉,戴黎红,吴敏忠,邵志豪,梁城辉(1)

环境温度对微小型弹簧抗力的影响····· 朱文凯,王雨时,邹陈来,闻 泉,王光宇(5)

提高破甲弹破甲威力的引信帽褶台结构····· 刘 奇,李 娜,李美亚,武 澎,李安邦(10)

引信高频脉冲编码信号测试装置优化 ····· 张 鹏,谢 锐(14)

引信磁电机性能检测自动加力控制装置 ····· 赵平伟,张静静,周祖国,刘小锋(20)

磁异常信号奇异值分解的随机共振检测方法····· 李启飞,吴 芳,韩蕾蕾,范赵鹏,李沛宗(24)

毫米波探测器自旋微多普勒信号仿真方法····· 王 闽,姚金杰,韩 焱,唐 强,江润东(30)

激光束海面散射建模方法与探测性能评估····· 谢 悦,牛兰杰,董卫斌,屈鹏飞,王 刚(35)

基于数字电位器的调频引信频偏调试方法 ····· 周祖国,王伟民(41)

浅层震源定位中高精度时间差测量方法 ····· 李 剑,贺 铭,韩 焱,雍顺宁(45)

基于 RCS 起伏模型的箔条云近场实测数据分析方法····· 李 转,田 博,李 铁,苏 宏(52)

深埋环境下电磁波传播特性数值分析 ····· 何 博,李世中,张 亚,余 成(56)

基于 MQTT 的遥测数据无线传输 ····· 马鑫龙,艾冬生,孙发鱼,张景鹏(61)

基于 SURF 的图像配准改进算法 ····· 袁丽英,刘 佳,王飞越(65)

基于天空区域识别的图像去雾改进算法 ····· 王燕妮,杨小宝(71)

改进的欠定变速跳频信号盲分离算法····· 王 森,蔡晓霞,雷迎科(79)

基于深度置信网络的通信控制设备故障诊断 ····· 陈子兆,矫文成,孙慧贤,陈 旭(86)

基于压缩感知的无线通信网拓扑推断方法 ····· 邵 豪,王伦文(92)

基于改进迭代算法的阻带波形设计方法····· 张令浩,张剑云,周青松(99)

网格失配下 MIMO-STAP 稀疏字典构造方法····· 何 团,唐 波,张 进,张 玉(106)

基于主成分分析的雷达行为状态聚类分析方法 ····· 方 旂,毕太平,潘继飞,陈秋菊(112)

本期责任编辑 庞彦波

期刊基本参数:CN61-1316/TJ * 1979 * b * A4 * 118 * zh * P * ¥15.00 * 1000 * 21 * 2020-4

MAIN CONTENTS

Multi-level Target Adhesion Mechanism of High-speed Penetration Fuze Overload	
..... LI Rong, DAI Lihong, WU Minzhong, SHAO Zhihao, LIANG Jianhui (1)	
Ambient Temperature Influence on Small Springs Resistance	
..... ZHU Wenkai, WANG Yushi, ZOU Chenlai, WEN Quan, WANG Guangyu (5)	
Fuze Cap Fold Structue for Improving HEAT Armor Penetrating Power	
..... LIU Qi, LI Na, LI Meiya, WU Peng, LI Anbang (10)	
Optimized Test Device for Fuze High Frequency Pulse Coding Signal	
..... ZHANG Peng, XIE Rui (14)	
An Automatic Force Control Device for Fuze Magneto Performance Testing	
..... ZHAO Pingwei, ZHANG Jingjing, ZHOU Zuguo, LIU Xiaofeng (20)	
Stochastic Resonance Detection Method for Magnetic Anomaly Signals Singular Value Decomposition	
..... LI Qifei, WU Fang, HAN Leilei, FAN Zhaopeng, LI Peizong (24)	
Spin Micro Doppler Signal Simulation Method of Millimeter-wave Detector	
..... WANG Min, YAO Jinjie, HAN Yan, TANG Qiang, JIANG Rundong (30)	
The Detection Performance and Modeling Method of Laser Beam Sea Surface Scattering	
..... XIE Yue, NIU Lanjie, DONG Weibin, QU Pengfei, WANG Gang (35)	
Frequency Deviation Debugging Method of FM Fuze Based on Digital Potentiometer	
..... ZHOU Zuguo, WANG Weimin (41)	
A High Precision Shallow Microseismic Time Difference Measurement Method	
..... LI Jian, HE Ming, HAN Yan, YONG Shunning (45)	
Near-field Measured Data Analysis of Chaff Cloud Based on RCS Fluctuation Model	
..... LI Tuan, TIAN Bo, LI Tie, SU Hong (52)	
Numerical Analysis of Deep-buried Electromagnetic Wave Propagation Characteristicsin	
..... HE Bo, LI Shizhong, ZHANG Ya, YU Cheng (56)	
Wireless Transmission of Telemetry Data Based on MQTT	
..... MA Xinlong, AI Dongsheng, SUN Fayu, ZHANG Jingpeng (61)	
An Improved Algorithm of SURF Image Registration	
..... YUAN Liying , LIU Jia, WANG Feiyue (65)	
An Improved Algorithm of Image Dehazing Based on Sky Region Recognition	
..... WANG Yanni, YANG Xiaobao (71)	
An Improved Blind Separation Algorithm for Underdetermined Variable Speed Frequency Hopping Signals	
..... WANG Miao, CAI Xiaoxia, LEI Yingke (79)	
Fault Diagnosis Based on Wavelet Transform and Deep Belief Network	
..... CHEN Zizhao, JIAO Wencheng, SUN Huixian, CHEN Xu (86)	
Topology Inference Method for Wireless Communication Networks Based on Compressed Sensing	
..... SHAO Hao, WANG Lunwen (92)	
Stopband Waveform Design Based on Improved Iterative Algorithm	
..... ZHANG Linghao, ZHANG Jianyun, ZHOU Qingsong (99)	
MIMO STAP Sparse Dictionary Construction Method under Off-grid Condition	
..... HE Tuan, TANG Bo, ZHANG Jin, ZHANG Yu (106)	
Radar Behavior State Cluster Analysis Based on Principal Component Analysis	
..... FANG Yi, BI Daping, PAN Jifei, CHEN Qiuju (112)	