

ISSN 1008-1194
CODEN TYKXAM

探测与控制学报

JOURNAL OF DETECTION & CONTROL

第43卷
Vol.43

第1期
No.1

1
2021

ISSN 1008-1194



9 771008 119216

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

第四十三卷

第一期

二〇二一年二月

目 次

西方国家引信触发性能及其试验用靶材分析..... 王雨时(1)

基于平衡力矩法的二维弹道修正引信摩擦力矩测试方法 何江杨,高铭泽,霍鹏飞,柳海斌(8)

引信惯性延期 MEMS 擒纵机构 王柯心,胡腾江,赵玉龙(13)

基于脉冲超声的 FAE 燃料云团浓度检测装置 潘晓建,付胜华,娄文忠,李楚宝,陈朝晖,孙 君(21)

模拟发射环境下的引信瞬态响应方法 王鹏钊,顾 强,李培英,李世中(26)

基于子空间加权的多重信号分类时延估计算法 卢 俊,张群飞,史文涛,张玲玲(30)

基于模型补偿自抗扰的弹体滚转角控制策略 吴正平,邓 聪(36)

中大口径火炮弹丸外弹道空气动力作用下引信旋松可能性
..... 冯单翔,王雨时,张志彪,闻 泉,王光宇(41)

基于线性二次型调节器的乒乓舵最优控制方法 李 旭,霍鹏飞,陈 超,雷泷杰(46)

基于层次有向图的接口时序一致性测试方法 高 亮,李 蒙,梁晨光,宫久路(51)

变参数趋近率的滑模模糊控制方法 李艳波,赵宇健,刘维宇,白 璘,惠 萌,黄伟峰(56)

基于解卷积的自适应空间谱估计方法 邱 岚,谢于晨(61)

高速隐身目标多传感器协同探测跟踪任务分解策略 孙 文,王 刚,王晶晶,付 强(68)

基于码元密度检测的帧同步码盲识别算法..... 熊 颢,雷迎科,吴子龙(73)

迫弹储备电池的小型低过载激活机构..... 贺 文,冯 欣,闫 雷(79)

基于改进相关向量机的滚动轴承剩余寿命预测方法 张 钢,谭 波,梁伟阁,田福庆(83)

对偶序列跳频通信系统的等待匹配式自同步捕获方法..... 张晓璐,全厚德,孙慧贤,刘广凯,高雪会(88)

基于惯性技术的风洞试验模型大迎角测量架构 谭强俊,程永生,唐 彬,刘显学,周 浩,李寅鑫(95)

基于 FPGA 的两级冗余编码系统 李圣昆,郝少帅,杨玉华,王淑琴,李 金(102)

中国兵工学会第二十二届引信学术年会征文通知 (107)

MAIN CONTENTS

Analysis of Impact Performance and its Test Target Materials of Fuze in Western Countries WANG Yushi (1)

Two-dimentional Trajectory Correction Fuze Friction Moment Testing Method Based on Balance Moment HE Jiangyang , GAO Mingze , HUO Pengfei , LIU Haibin (8)

A MEMS Inertial Driven Runaway Escapement Mechanism in Fuze WANG Kexin , HU Tengjiang , ZHAO Yulong (13)

FAE Fuel Cloud Concentration Detection Device Based on Pulsed Ultrasonic PAN Xiaojian ,FU Shenghua ,LOU Wenzhong ,LI Chubao ,CHEN Zhaohui ,SUN Jun (21)

Fuze Instantaneous Dynamic Response Test under Simulated Launching Environment WANG Pengzhao ,GU Qiang ,LI Peiying ,LI Shizhong (26)

Multi-signal Classification Time Delay Estimation Algorithm Based on Subspace Weighting LU Jun , ZHANG Qunfei , SHI Wentao , Zhang Lingling (30)

Roll Angle Control Strategy Based on Model Compensation ADRC WU Zhengping , DENG Cong (36)

Possibility of Large Caliber Artillery Projectile Fuze Loosen by External Aerodynamic Force of Medium FENG Danxiang ,WANG Yushi ,ZHANG Zhibiao ,WEN Quan ,WANG Guangyu (41)

Optimal Controllor Electrical Actuator Based on Linear Quadratic Regulator LI Xu ,HUO Pengfei ,CHEN Chao ,LEI Longjie (46)

A Testing Method of Interface Timing Consistency Based on Hierarchical Directed Graph GAO Liang ,LI Meng ,LIANG Chenguang ,GONG Jiulu (51)

Sliding Mode Fuzzy Control Method of Variable Parameter Approach LI Yanbo , ZHAO Yujian , LIU Weiyu , BAI Lin , HUI Meng , HUANG Weifeng (56)

An Adaptive Spatial Spectral Estimation Method Based on Deconvolution QIU Lan , XIE Yuchen (61)

The Mission Decomposition Strategy of the High-speed Stealth Target Multi-sensor Detection and Tracking SUN Wen , WANG Gang , WANG Jingjing , FU Qiang (68)

Frame Synchronization Code Blind Recognition Based on Symbol Density Detection XIONG Hao , LEI Yingke , WU Zilong (73)

Activation Device of Thermal Battery for Motar Projectile in Low Overload Fire Environment HE Wen , FENG Xin , YAN Lei (79)

Research on Remaining Useful Life Prediction Based on Enhanced Relevance Vector Machine ZHANG Gang , TAN Bo , LIANG Weige , TIAN Fuqing (83)

Waiting-matching Self-synchronous Capture Scheme for Dual-sequence Frequency Hopping Communication System ZHANG Xiaolu , QUAN Houde , SUN Huixian , LIU Guangkai , GAO Xuehui (88)

Measurements Architecture of Wind Tunnel Model Large Attack Angle Using Inertial Sensors TAN Qiangjun , CHENG Yongsheng , TANG Bin , LIU Xianxue , ZHOU Hao , LI Yinxin (95)

Two-level Redundant Coding System Based on FPGA LI Shengkun ,HAO Shaoshuai , YANG Yuhua , WANG Shuqin ,LI Jin (102)