

火力与指挥控制

HUOLI YU ZHIHUI KONGZHI

第 36 卷 第 5 期 (总第 194 期) 月刊 1976 年创刊 国内外公开发行

目 次

综 述	火炮发射过程中身管温度场及弯曲度的有限元计算
一种地面网域化微武器系统	 赵金辉, 何忠波, 傅建平, 等 (106)
..... 胡美艳, 杨 卫, 徐 薇, 等 (1)	三维空间测向定位技术
数据链仿真研究	 汤和林 (110)
..... 杨 光, 周经伦, 王文政 (4)	基于 MHD 的反舰导弹预定目标选择方法
理论研究	 卢 毅, 姜永华, 刘兴明, 等 (114)
两种改进的 m-最优多假设跟踪 (MHT) 算法	基于 m 序列和 L-G 模型的多址干扰性能分析
..... 彭冬亮, 史英杰 (8)	 赵 波, 全厚德, 赵汇强, 等 (118)
基于领域本体的指挥空间概念模型	一种改进的直扩系统频域抑制窄带干扰算法
..... 叶 挺, 凌云翔, 刘 钢 (13)	 邹 宁, 徐松涛, 刘 凯, 等 (121)
风对反潜巡逻机应召搜索延迟时间影响的仿真分析	航空反潜网络化体系作战效能
..... 蒋志忠, 杨日杰, 郭新奇, 等 (18)	 田云飞, 严建钢 (125)
一种 C ⁴ ISR 系统通信网络结构优化方法	越肩发射空空导弹大攻角飞行自动驾驶仪设计
..... 丁泽柳, 罗爱民, 罗雪山 (21)	 何素娟, 周凤岐, 周 军 (129)
自卫式干扰火控雷达网测向交叉定位精度分析	工程实践
..... 徐 宏, 韩壮志, 何 强, 等 (25)	时频分析在变加速运动目标速度测量的应用
航空发动机混沌支持向量预测模型应用	 姚金杰, 韩 焱 (133)
..... 吴 斌, 尉诤楷, 冯 悦, 等 (29)	多窗口编码激光预警系统设计
基于虚拟仓储的备件库存优化体系	 赵俊奇, 张记龙, 阎 鹤 (136)
..... 古西睿, 宋建社, 郭 军, 等 (34)	基于 1553B 总线的 MMW/IR 双模导引头实时数据传输系统
基于提升框架检测的空中强机动视频目标跟踪	 刘立全, 景占荣, 羊 彦, 等 (140)
..... 沈 贺, 程咏梅, 于 盈, 等 (38)	基于格理论的三维稀疏阵列设计
空降扼守战斗中传感器网络部署	 侯青松, 郭 英, 王布宏, 等 (143)
..... 胡 博, 沈 军, 罗 护 (43)	基于 FPGA 的模数混合采集存储系统
基于模糊贡献度的水面舰艇作战模糊推理方法	 王敏涛, 张会新, 秦 丽, 等 (146)
..... 郭 锐, 伍方明 (46)	机载通信模拟训练系统的设计与实现
基于组合平行六面体的复杂目标毁伤效能评估	 段守福, 杨 凯, 徐 慧 (149)
..... 彭星光, 高晓光 (50)	电光调制傅里叶干涉仪光谱分析及软件实现
CCSDS 接收端包处理性能分析与仿真	 杨正民, 高玉斌 (153)
..... 别玉霞, 潘成胜, 田 野, 等 (53)	基于最小负载的相控阵雷达自适应数据率更新算法
基于 SEA 评估算子的军事通信网络效能仿真评估方法	 吴 巍, 王国宏, 李世忠 (157)
..... 石福丽, 杨 峰, 李 群, 等 (56)	基于 FPGA 的火箭参数实时监测系统
基于拦截射击的阵列式高射频武器反应时间优化	 沈三民, 狄宋珍, 秦 丽, 等 (160)
..... 王 强, 王航宇, 孙世岩, 等 (60)	船舶辐射噪声奇异值特征
基于多智能体的编队协同试飞仿真与效能评估	 王易川, 孙荣光 (164)
..... 夏庆军, 张 安, 张耀中 (64)	弹炮结合系统集群防御的可靠性综合评估模型
伴飞诱饵支援对反舰导弹突防航空导弹的影响	 姜 辉, 黄大荣, 汪 鹏 (167)
..... 汪 浩, 曾家有, 罗木生 (68)	基于神经网络的机动目标自适应跟踪算法
基于局部估计误差相关的多传感器异步航迹融合	 范志明 (170)
..... 周样晶, 尹 浩, 江 晶, 等 (72)	军事情报价值评估方法
舰艇摇摆对雷达目标跟踪精度的影响分析	 余 力, 岳振军 (173)
..... 孙世岩, 张国栋 (75)	变论域策略在导弹模糊制导律设计中的应用
基于参考度的有效关联规则挖掘	 郭广明, 方 群 (177)
..... 柳景超, 宋胜锋 (79)	基于 nRF905 的智能封锁雷无线通讯技术
基于灰色关联决策的雷达组网四抗能力综合评估	 顾 强, 李晓晨, 张 亚, 等 (181)
..... 刘 健 (82)	关键备件订购决策建模与优化
装甲步兵进攻战斗队形优选模型分析与应用	 李有为, 高 峙, 冯 涛, 等 (185)
..... 孟 强, 徐克虎 (86)	大容量多总线的信息记录仪设计
基于 DWK 海洋作战建模与仿真	 梁志剑, 马铁华 (188)
..... 刘 雄, 张 绳, 韩宗真, 等 (90)	对 GMD 系统拦截时机与空域的分析与研究
基于灰色区间关联决策的海上编队反导威胁评估	 鲜 勇, 斯文辉 (192)
..... 张元瀚, 李相民, 代进进 (95)	试验技术
装备技术状态动态评估方法	基于激光靶的火炮炮口速度测速技术与试验
..... 孙 凯, 张耀辉, 王继富, 等 (99)	 王 高, 田大新, 赵 辉, 等 (195)
基于 DSP 的各向异性扩散滤波算法优化实现	研究简报
..... 刘 佳, 郭圣权 (103)	火炮伺服系统的模糊内模控制
	 柴华伟, 冯俊萍, 李志刚 (198)
	下期要目 (85) 火控年会征文通知 (1)

本期责任编辑 宋 微

[期刊基本参数] CN14-1138/TJ * 1976 * m * A4 * 180 * zh * P * ￥20.00 * 2 000 * 54 * 2011-05

万方数据

Fire Control & Command Control

Vol. 36 No. 5 May. 2011

Contents

SURVEY

- A Ground Network Micro-Weapon System
..... *HU Mei-yan, et al.* (1)
A Survey of Data Link Simulation Technologies
..... *YANG Guang, et al.* (4)

THEORY RESEARCH

- Two Improved m-best Multiple Hypothesis Tracking Algorithms *PENG Dong-liang, et al.* (8)
Research on Conceptual Model of Command Space Based on Domain Ontology *YE Ting, et al.* (13)
Simulation Analysis on Influence of Delay Time in Antisubmarine Call Search of Antisubmarine Patrol Aircraft by Wind *JIANG Zhi-zhong, et al.* (18)
Optimization for C⁴ISR System Communication Networks *DING Ze-liu, et al.* (21)
Performance Analysis of Direction-Finding Location Oriented to Self-Defense Jamming in Fire-Control Radar Net *XU Hong, et al.* (25)
Applications of Chaotic Support Vector Forecasting Model for Aeroengine *WU Bin, et al.* (29)
Optimization Framework of the Inventory of Spare Part Based on Virtual Warehousing *GU Xi-rui, et al.* (34)
Aero Maneuvering Video Target Tracking Based on Lifting Scheme *SHEN He, et al.* (38)
Research on Sensor Networks Deployment in the Combat of Airborne Guard *HU Bo, et al.* (43)
Fuzzy Reasoning Method of Warship Combat Problems Based on Degree of Fuzzy Offering *GUO Rui, et al.* (46)
A Damage Effectiveness Evaluation Model for Complex Target Using Combinational Parallelepiped *PENG Xing-guang, et al.* (50)
Analysis and Simulation of CCSDS Receiver Packet Processing Performance ... *BIE Yu-xia, et al.* (53)
Simulation Based Effectiveness Evaluation of Military Communication Network with SEA Evaluation Operator *SHI Fu-li, et al.* (56)
Optimization of Reaction Time for Array Weapon with High Frequency of Firing Based on Barrage Firing *WANG Qiang, et al.* (60)
Simulation and Effectiveness Evaluation Modeling of Formation Cooperative Flight-test Based on Multi-Agent System *XIA Qing-jun, et al.* (64)
Study of Escort Free-Flight Decoys Influence on Anti-ship Missile Penetration to Ship-to-Air Missile *WANG Hao, et al.* (68)
Multisensor Asynchronous Track Fusion Based on Correlated Local Estimate Error *ZHOU Yang-jing, et al.* (72)
Target Tracking Error Analysis Caused by Ship's Pitch and Roll *SUN Shi-yan, et al.* (75)
Mining Efficient Association Rules Based on Consult *LIU Jing-chao, et al.* (79)
Study of Integrated Evaluation Model of the 'Four Countering' Abilities of Networked Radars Based on Grey Incidence Decision-making *LIU Jian, et al.* (82)
Analysis of Optimum Seeking Model for Armed Infantry Offensive Combat Formation and its Application *MENG Qiang, et al.* (86)
Modeling and Simulation of Ocean Battlefield System Based on DWK *LIU Xiong, et al.* (90)
Antimissile Threat Evaluation of Naval Formation Based on Grey Interval-number Relationship Decision-making *ZHANG Yuan-han, et al.* (95)
Research on Dynamically Evaluating Methods of the Equipment Technical Condition *SUN Kai, et al.* (99)
Optimal Algorithm for Image Filtering Based on Anisotropic Diffusion and the Implementation on DSP *LIU Jia, et al.* (103)

Finite Element Calculation of Barrel's Temperature Field and Flexure in Gun Fire Condition

- *ZHAO Jin-hui, et al.* (106)
Research on Location Technique by Direction Finding in 3-D Space *TANG Kou-lin, et al.* (110)
A Destined Target Selection Method for Anti-ship Missile Based on Mean Hausdorff Distance *LU Yi, et al.* (114)
Performance Analysis of the MAI Based on the M Sequence and L-G Model ... *ZHAO Bo, et al.* (118)
An Improved Frequency-Domain Algorithm for Narrowband Interference Suppression in DSSS *ZOU Ning, et al.* (121)
Research on Operation Effectiveness of Air Anti-submarine Network Centric System *TIAN Yun-fei, et al.* (125)
Design of Pitch Autopilot for High Angle of Attack of Over the Shoulder of Air-to-Air Missile *HE Su-juan, et al.* (129)

ENGINEERING PRACTICE

- Application of Time-frequency Analysis to Velocity Measurement of Varying Accelerated Moving Target *YAO Jin-jie, et al.* (133)
Design of Multi-window Code Laser Warning System *ZHAO Jun-qi, et al.* (136)
A Design of Real-time Data Transmitting System of MMW/IR Dual-mode Seeker Based on 1553B Bus *LIU Li-guan, et al.* (140)
3D Sparse Array Design Based on Lattice Theory *HOU Qing-song, et al.* (143)
The Analog Digital Hybrid Data Acquisition and Storage System Based on FPGA *WANG Min-tao, et al.* (146)
Design and Realization of Simulation and Training System in Airborne Communication *DUAN Shou-fu, et al.* (149)
Spectral Analysis and Software Realization for Electro-optic Modulation Fourier Interferometer *YANG Zheng-min, et al.* (153)
Study on Adaptive Variable Update Rate for a Phased Array Radar Based on Minimum Load *WU Wei, et al.* (157)
Design of Real-time Monitoring System Based on FPGA for Rocket Parameters *SHEN San-min, et al.* (160)
A Study of Singular Value Characteristic of Ship Noise *WANG Yi-chuan, et al.* (164)
Reliability Evaluation Model of Object-Group Defense for Integrated Missile and Antiaircraft Gun System *JIANG Hui, et al.* (167)
Adaptive Tracking Algorithm of Mobile Target Based on Neural Network *FAN Zhi-ming, et al.* (170)
Research on Evaluation Method of Military Intelligence Value *YU Li, et al.* (173)
Design of Fuzzy Logic Guidance Law for Missiles using the Strategy of Variable Universe *GUO Guang-ming, et al.* (177)
Study on Wireless Communication Technology of Intelligent Blockade Land Mine Based on nRF905 *GU Qiang, et al.* (181)
Decision Modeling and Optimization of Critical Spare Parts Purchasing *LI You-wei, et al.* (185)
The Design of High Capacity and Multibus Information Recorder *LIANG Zhi-jian, et al.* (188)
Study and Analyses of the Time and Airspace of Interception for National Missile Defense *XIAN Yong, et al.* (192)
- ### TEST TECHNIQUE
- The Velocity Testing Technology and Experiment Research of Gun Muzzle Velocity Based on Laser Target *WANG Gao, et al.* (195)
- ### RESEARCH NULIEING
- Fuzzy Internal Mode Control of Rocket Gun Servo System *CHAI Hua-wei, et al.* (198)