



中文核心期刊 中国科技论文统计源期刊 中国科学引文数据库来源期刊
军事学核心期刊 中文科技期刊数据库 中国学术期刊(光盘版)收录期刊
RCCSE中国核心学术期刊 美国《剑桥科学文摘》美国《乌利希期刊指南》
英国《科学文摘》收录期刊

ISSN 1002-0640

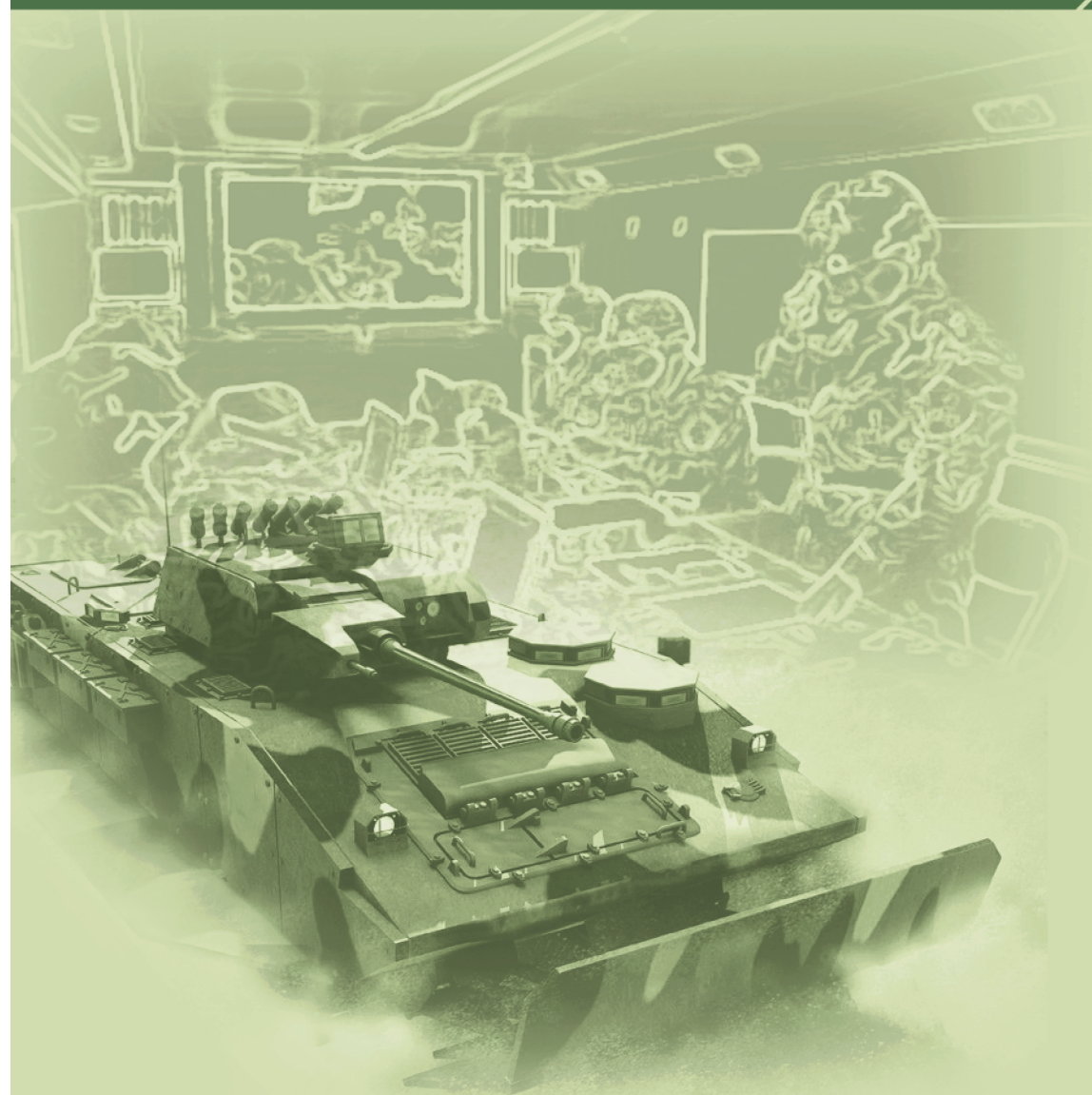
CN 14-1138/TJ

火力与指挥控制

FIRE CONTROL & COMMAND CONTROL

2017.11

第42卷 VOL42
第11期 No.11



ISSN 1002-0640



1 1>

北方自动控制技术研究所主办

火力与指挥控制

HUOLI YU ZHIHUI KONGZHI

本刊名由张爱萍将军题写

第42卷 第11期 (总第272期)

月刊 1976年创刊 国内外公开发行

目次

综 述

- 基于图像信息的坦克目标姿态估计技术研究
..... 刘泓佚,胡林亭,史圣兵,侯习平(1)

理论研究

- 基于动态贝叶斯网络的复杂网络抗毁性分析
..... 胡鑫,王刚,马润年(5)
- 基于跨层协议模型的机间自组织网络优化研究
..... 黄松华,赵靖,梁维泰,徐欣(10)
- 基于流程仿真的物资接收系统可靠性预计方法
..... 胡斌,狄鹏,刘刚(14)
- 装备经济性分析中的结构制造复杂度参数建模
..... 周舟,郭基联,李媛,沈安慰(19)
- 基于态势预测的无人机防相撞控制方法
..... 毛厚晨,宋敏,高文明,甘旭升(25)
- 舰艇防空反导自适应干扰HDP算法分析与仿真
..... 万福,周红波,朱智平(31)
- 基于PageRank算法的武器装备体系重要节点评估
..... 李锴,吴纬,刘福胜,陈庚申,陈守华(34)
- 基于排队论的防空兵力部署优化模型
..... 赵鹏蛟,李建国(38)
- 基于黑板模型的分布式协同任务决策方法研究
..... 刘杰,张耀中(43)
- 环境温度对导弹发动机点火时机的影响及控制策略
..... 肖沿海(49)
- 一种基于视觉的目标舷角实时测量方法
..... 任继昌,杨晓东(52)
- 随队支援干扰目标选择辅助决策方法
..... 齐锋,成晓鹏,王泉(56)
- 基于噪声调相干扰寄生扩频的隐蔽信息传输
..... 石荣,胡苏,徐剑韬(60)
- 离散作战模型的连续化兰切斯特模型研究
..... 严建钢,孙守福,沙基昌(65)
- 维护条件下产品寿命分布规律分析
..... 李大伟,方勇,孙兴(68)
- 光纤通道调度算法研究
..... 丁永强,王勇,谭小虎,褚文奎,方挺(77)
- 一种新的系统生存性量化分析方法
..... 刘伟,陈前明,周义程,郝继刚(82)
- 基于概率影响图的空战能力评估模型
..... 许建锐,李战武,欧建军,徐安(86)
- 基于定时Petri网的舰艇保障能力仿真与评估
..... 顾滨兵,郭亚东(91)
- 基于多群体改进萤火虫算法的装配序列规划
..... 张琦,程培源,程月蒙(97)

- 基于威胁联网环境的一种无人机航迹重规划方法
..... 张辉明,鲁艺,张振中(103)
- 基于协同相关度的作战任务分解优化
..... 王伟,刘付显(107)
- 基于有限条件的多波束雷达干扰系统目标分配算法
..... 李玉胜,殷堂春,王成威,贺齐辉(111)
- 基于IGAHP-IEW-GT-MCGC的装备体系方案质量评价模型
..... 魏兆磊,陈春良,代应强,程城今(115)
- 基于BP和Hopfield神经网络的航空燃料保障安全评价
..... 胡宗顺,黄之杰,朱倩,吴满洁(121)

工程实践

- 基于边界相切拟合的轴对称工件缺陷重构方法
..... 陈友兴,刘茜慧,吴其洲,李海洋,王召巴(126)
- 蚁群算法在智能LED路灯控制中的应用 王保成(131)
- 直流位置伺服系统改进型IMC-PI控制方法
..... 贾彦斌,任永胜,孔秀文,赵志涛,赵志诚(137)
- 航空集群系统构建机理研究
..... 胡利平,梁晓龙,张佳强,刘芊妮(142)
- 基于Pareto排序法的战时装备维修任务多目标调度方法
..... 温海骏,李清,邵廷君,刘永姜(146)
- 基于模糊物元分析法的坦克作战效能评估
..... 魏燕明,张雪艳,岳奕丹,张嘉嘉(151)
- 基于广义回归神经网络的单位运营状况分类
..... 崔霞霞,胡红萍,白艳萍(156)
- 电子干扰条件下基于攻击区指挥引导效能评估
..... 董肖杰,杨杰,余敏建(159)
- 火控系统BIT设计与实现
..... 赵刚,任永胜,刘瑞,孙战,孔秀文(165)
- 基于DSP+FPGA的飞控系统硬件平台设计
..... 单彦虎,谢璐,杨玉华,王大伟(169)
- 基于Nios II的SPIHT算法图像压缩卡的设计
..... 彭晴晴,邱丽霞,张辉,唐杰,刘辉(174)
- 精确制导弹药低成本制导控制系统设计
..... 陈法扬,薛琥(178)
- 基于三方动态博弈模型的网络生存防御策略优化配置
..... 伍文,杨发亮,张兆忠,刘长乐(181)
- 下期要目(130)

试验技术

- DPCA和GRNN在燃气轮机故障诊断的方法
..... 崔建国,刘瑶,郑蔚,蒋丽英,于明月(186)
- 弹丸脱靶量及速度测量的高速摄影试验
..... 焦志刚,杜宁,范龙刚,黄维平(191)
- 2017火力与指挥控制学术年会简讯(125)
- 《火力与指挥控制》编委会会议简讯(155)

本期责任编辑 宋薇,姚庆辉

[期刊基本参数] CN14-1138/TJ * 1976 * m * A4 * 194 * zh * P * ¥20.00 * 1500 * 41 * 2017-11

Fire Control & Command Control

Vol. 42 No. 11 Nov. 2017

Contents

SURVEY

Research Summary on Pose Estimation of Tank Target Based on Image Information *LIU Hong-yi, HU Lin-ting, SHI Sheng-bing, HOU Xi-ping*(1)

THEORY RESEARCH

Complex Network Invulnerability Based on Dynamic Bayesian Network *HU Xin, WANG Gang, MA Run-nian*(5)

Research on Optimization for Intra-flight Ad Hoc Networks Based on Cross-Layer Protocol Model

..... *HUANG Song-hua, ZHAO Jing, LIANG Wei-tai, XU Xin*(10)

Reliability Prediction Method of Ship Supplies Receive System Based on Flow Simulation *HU Bin, DI Peng, LIU Gang*(14)

Comprehensive Parametric Modeling of Parameters Estimation Method Based on TruePlanning

..... *ZHOU Zhou, GUO Ji-lian, LI Yuan, SHEN An-wei*(19)

Controlling Method of UAV Collision Avoidance Based on Prediction of State - - - *MAO Hou-chen, SONG Min, GAO Wen-ming, GAN Xu-sheng*(25)

Analysis And Simulation of Adaptive Electronic Jamming HDP Algorithm in Warship Anti-air and Anti-missile

..... *WAN Fu, ZHOU Hong-bo, ZHU Zhi-ping*(31)

Evaluating Nodes Importance in Equipment System-of-Systems Based on PageRank Algorithm

..... *LI Kai, WU Wei, LIU Fu-sheng, CHEN Geng-shen, CHEN Shou-hua*(34)

An Optimization Model for Air Defense Troops Deployment Based on Queuing Theory *ZHAO Peng-jiao, LI Jian-guo*(38)

A Collaborative Task Decision-making Method Based on Blackboard Framework *LIU Jie, ZHANG Yao-zhong*(43)

Influence of Ambient Temperature on Ignition Timing of Engine and Its Control Strategy *XIAO Yan-hai*(49)

A Method for Target's Bearing Real-time Measurement Based on Visual Sensing *REN Ji-chang, YANG Xiao-dong*(52)

Research on Target Selection Method of Jamming with Team Basing on Dynamic Programming *QI Feng, CHENG Xiao-peng, WANG Xiao*(56)

Concealed Information Transmission Based on Spread Spectrum Parasitizing on Noise Phase Modulated Jamming Signal

..... *SHI Rong, HU Su, XU Jian-tao*(60)

Research on Continuous Lanchester Model of Discrete Operation Model *YAN Jian-gang, SUN Shou-fu, SHA Ji-chang*(65)

Analysis of Life Distribution Rule for Product on Servicing *LI Da-wei, FANG Yong, SUN Xing*(68)

Research on Fiber Channel Scheduling Algorithm *DING Yong-qiang, WANG Yong, TAN Xiao-hu, CHU Wen-kui, FANG Ting*(77)

A New Performance Analysis Method for Quantitative Analysis System Survivability

..... *LIU Wei, CHEN Qian-ming, ZHOU Yi-cheng, HAO Ji-gang*(82)

Evaluation Model of Air Combat Capability Based on Probability Influence Diagram *XU Jian-rui, LI Zhan-wu, OU Jian-jun, XU An*(86)

TPN-Based Simulation and Evaluation of Logistics Support Ability for Naval Warships *GU Bin-bing, GUO Ya-dong*(91)

Assembly Sequence Planning Based on Multi- Intelligence Improved Glowworm Swarm Optimization Algorithm

..... *ZHANG Qi, CHENG Pei-yuan, CHENG Yue-meng*(97)

A Path Replanning's Method for UAV Based on Threat Netting *ZHANG Hui-ming, LU Yi, ZHANG Zhen-zhong*(103)

Operation Task Decomposition Optimization Based on Cooperative Correlation Degree *WANG Wei, LIU Fu-xian*(107)

A Target Assignment Algorithm for Multi-beam Radar Jamming System Based on Finite Conditions

..... *LI Yu-sheng, YIN Tang-chun, WANG Cheng-wei, HE Qi-hui*(111)

Research on Quality Evaluation of Scheme for Equipment System Based on IGAP-IEW-GT-MCGC

..... *WEI Zhao-lei, CHEN Chun-liang, DAI Ying-qiang, CHENG Cheng-jin*(115)

Research of Aerial Hydrazine Fuel Safety Assessment Based on BP and Hopfield Neural Network

..... *HU Zong-shun, HUANG Zhi-jie, ZHU Qian, WU Xiao-jie*(121)

ENGINEERING PRACTICE

Reconstruction for Flaw in Axisymmetric Workpiece Based on Boundary Tangent Principle and Fitting Technology

..... *CHEN You-xing, LIU Lin-hui, WU Qi-zhou, LI Hai-yang, WANG Zhao-ba*(126)

Research on Ant Colony Algorithm Application on Intelligent LED Street Light Control *WANG Bao-cheng*(131)

Improved IMC-PI Control for DC Position Servo System

..... *JIA Yan-bin, REN Yong-sheng, KONG Xiu-wen, ZHAO Zhi-tao, ZHAO Zhi-cheng*(137)

Research on Aircraft Swarms System Construction Mechanism *HU Li-ping, LIANG Xiao-long, ZHANG Jia-qiang, LIU Ping-ni*(142)

Multi-objective Scheduling Method of Wartime Equipment Maintenance Task Based on Pareto Sorting

..... *WEN Hai-jun, LI Qing, SHAO Yan-jun, LIU Yong-jiang*(146)

Research on Evaluation of Tank Combat Effectiveness Based on Fuzzy Matter Element Analysis Method

..... *WEI Yan-ming, ZHANG Xue-yan, YUE Yi-dan, ZHANG Jia-jia*(151)

Classification of Company Operation Condition Based on the Generalized Regression Neural Network

..... *CUI Xia-xia, HU Hong-ping, BAI Yan-ping*(156)

Effectiveness Evaluation of Command and Guide Based on Attack Area in Electronic Interference Condition

..... *DONG Xiao-jie, YANG Jie, YU Min-jian*(159)

Design for Fire Control System BIT *ZHAO Gang, REN Yong-sheng, LIU Rui, SUN Zhan, KONG Xiu-wen*(165)

Design of Hardware Platform for Flight Control System Based on DSP and FPGA *SHAN Yan-hu, XIE Lu, YANG Yu-hua, WANG Da-wei*(169)

Design of Image Compression of SPIHT Algorithm Card Based on Nios II *PENG Qing-qing, DI Li-xia, ZHANG Hui, TANG Jie, LIU Hui*(174)

Design of Low Cost Guidance and Control System For Precision Guided Munitions *CHEN Fa-yang, XUE hu*(178)

Strategy Optimizing Selection of Network Survivability Based on Three Players' Dynamic Game Model

..... *WU Wen, YANG Fa-liang, ZHANG Zhao-zhong, LIU Chang-le*(181)

TEST TECHNIQUE

DPCA and GRNN in Gas Turbine Fault Diagnosis Method of Research

..... *CUI Jian-guo, LIU Yao, ZHENG Wei, JIANG Li-ying, YU Ming-yue*(186)

Experimental Investigation of Projectile Miss Distance and Velocity Measurement with High-speed Photography

..... *JIAO Zhi-gang, Du Ning, FAN Long-gang, HUANG Wei-ping*(191)