中文核心期刊
中国科技核心期刊
CSCD来源期刊
DOAJ收录期刊
Scopus收录期刊

ISSN 1673-5048
CN 41-1228/TJ
CODEN HBAIA8

航空兵器

AERO WEAPONRY

航空工业

中国空空导弹研究院　主办

第30卷 3

2023

航空兵器

Hangkong Bingqi

2023 年第 30 卷第 3 期(总第 335 期)

2023 年 6 月

目　　次

·专家讲坛·

概率密度函数信息融合概述 …… 李建勋　于兴凯(1)

气动加热的数值仿真及其地面试验模拟技术 …… 孙得川　李书月(11)

·青年论坛·

基于 MATD3 的视距内协同空战机动决策 …… 张　栋　唐俊林　熊　威　任　智　杨书恒(20)

·武器作战运用·

无人机自主航迹规划智能算法综述 …… 郭启敏　张　鹏　王应洋　王　石(29)

基于深度 Q 网络的近距空战智能机动决策研究 …… 张婷玉　孙明玮　王永帅　陈增强(41)

中小型 ISR 无人机海战场的运用与关键技术分析 …… 温　亮　孙晓路　卫国华　吕建平　王　波(49)

·航空武器技术·

美军数字工程建设发展研究及启示 …… 卫旭芳　刘　彬(56)

小速度比视角下高超声速飞行器拦截条件研究 …… 刘双喜　闫斌斌　张　通　张　旭　闫　杰(67)

截击型无人机多目标气动外形优化设计 …… 杨德敏　林三春　李　易(74)

·仿真试验技术·

高频阵列式能量沉积对超燃燃烧室性能影响的数值研究 …… 蔡子林　高　峰　王宏宇　马岑睿(80)

一种基于单星敏的人造星光定位方法 …… 郜义蒙　闵昌万　杨　锐(87)

细长体分布式载荷的缩聚及其在气动伺服弹性地面模拟中的应用 …… 吴志刚　尹烈鹏　余长坤(93)

·综合基础技术·

仿生物学无人机集群目标的雷达跟踪与辨识 …… 高　玮　饶　彬　周永坤(103)

超燃冲压发动机主动式掺混增强技术研究 …… 王文龙　蔡子林　马岑睿　王宏宇(112)

空空导弹与航空母舰和舰载机适配性研究 …… 李　斌　强艳辉　徐琰珂(122)

基于双平行互质极化敏感阵列的二维非网格 DOA 及极化参数估计

…… 曾富红　彭占立　司伟建　王庭佳　孙铭国(129)

＊＊

[期刊基本参数]：CN41－1228/TJ＊1964＊b＊A4＊135＊zh＊P＊￥30.00＊1000＊16＊2023－06

AERO WEAPONRY
Vol. 30, No. 3, 2023
Jun. 2023

Contents

· Experts Forum ·

Survey on Information Fusion of Probability Density Functions ····· *Li Jianxun*, *et al* (1)
Numerical Simulation of Aerodynamic Heating and Its Ground Test Simulation Technology ····· *Sun Dechuan*, *et al* (11)

· Youth Experts Forum ·

Maneuver Decision of Cooperative Air Combat within Visual Range Based on MATD3 ····· *Zhang Dong*, *et al* (20)

· Weaponry Operational Application ·

Review of Intelligent Algorithms for Autonomous Path Planning of UAVs ····· *Guo Qimin*, *et al* (29)
Research on Intelligent Maneuvering Decision-Making in Close Air Combat Based on Deep Q Network ····· *Zhang Tingyu*, *et al* (41)
Application and Key Technology Analysis of Small and Medium-Sized ISR UAVs in the Field of Maritime ····· *Wen Liang*, *et al* (49)

· Aviation Weapon Technology ·

Research on the Development of US Military Digital Engineering and Its Enlightenment ····· *Wei Xufang*, *et al* (56)
Research on Hypersonic Vehicle Interception Conditions from a Small Velocity Ratio Perspective ····· *Liu Shuangxi*, *et al* (67)
Optimization Design of Multi-Objective Aerodynamic Shape of a Intercepting UAV ··· *Yang Demin*, *et al* (74)

· Experiment Simulation Technology ·

Numerical Study on Effects of High-Frequency Arrayed Energy Deposition on Scramjet Combustor Performance ····· *Cai Zilin*, *et al* (80)
An Artificial Celestial Observation Navigation System Using Star Sensor ····· *Gao Yimeng*, *et al* (87)
Condensation of Distributed Loads on Slender Body and Its Application in Aeroservoelastic Ground Simulation ····· *Wu Zhigang*, *et al* (93)

· Integrated Supporting Technology ·

Analysis of Radar Tracking Performance on Biomimetic UAV Cluster Targets ····· *Gao Wei*, *et al* (103)
Summary of Active Mixing Enhancement Technology for Scramjet ····· *Wang Wenlong*, *et al* (112)
Research on Suitability of Air-to-Air Missile with Carrier and Aircraft ····· *Li Bin*, *et al* (122)
Two-Dimensional Off-Grid DOA and Polarization Parameter Estimation for Parallel Coprime Polarization Sensitive Array ····· *Zeng Fuhong*, *et al* (129)