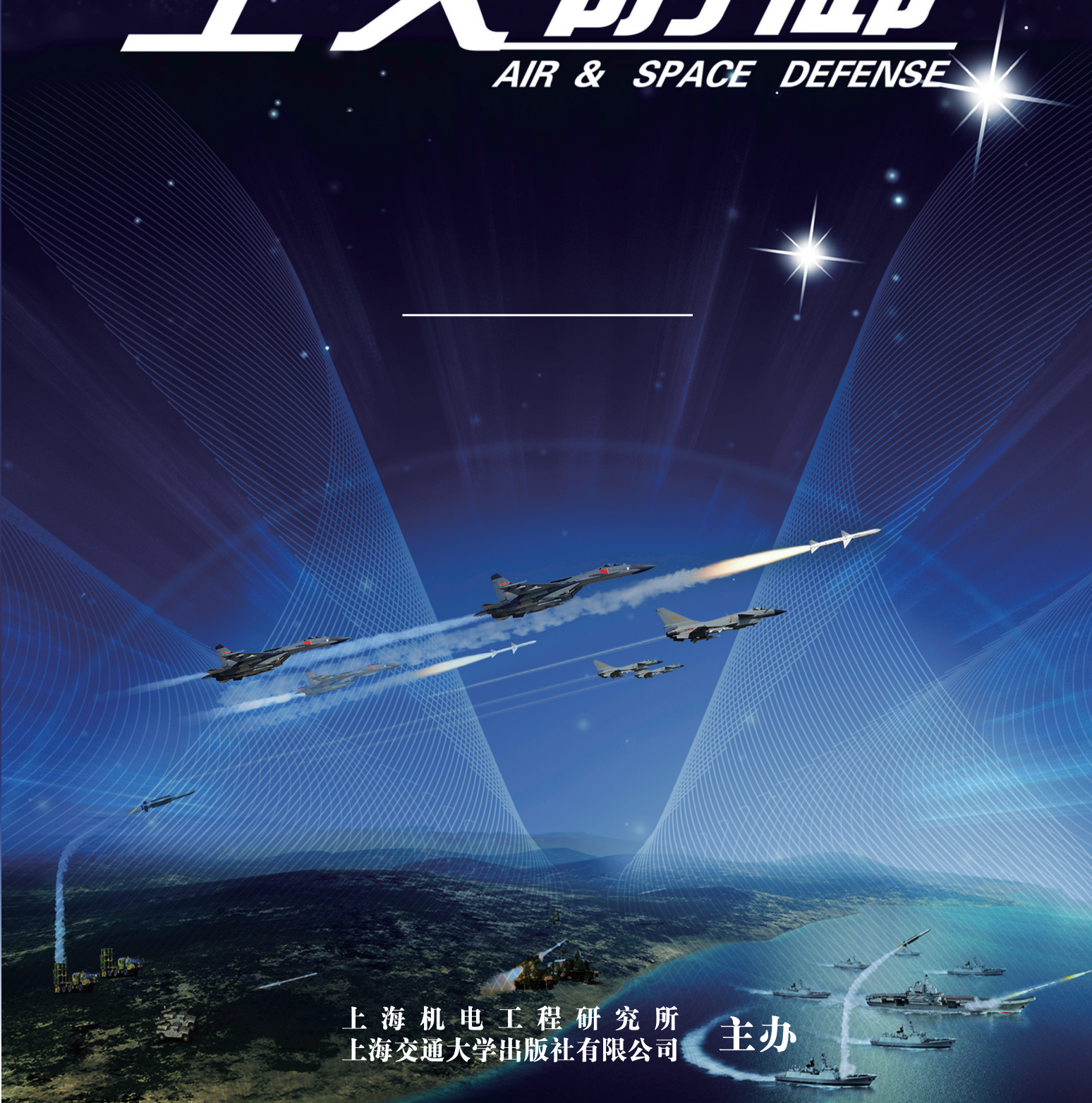




空天防御

AIR & SPACE DEFENSE



上海机电工程研究所
上海交通大学出版社有限公司

主办

空天防御

KONGTIAN FANGYU

2020年6月出版

2018年创刊·季刊

第3卷 第2期

(总第10期)

目 次

导弹武器系统与总体技术

- 轨控推力矢量技术在防空导弹上的应用研究 管再升,阮文华,刘 伟,施振兴,李欣益 (1)
- 考虑多场耦合效应的飞行器头罩热防护结构数值分析 李宗阳,李 煜,程广益,窦怡彬,张晓宏 (8)
- 柱形装药接触爆炸条件下对钢筋混凝土板的毁伤规律研究
..... 张 强,余 曜,迟德建,朱志鹏,蒋 涛 (16)

联合指挥控制与发射技术

- 一种基于滑动铰点的快速起竖方法及优化设计 王兰志,李书新 (24)
- 发控设备 CSD 串口板卡上电复位可靠性研究 张 帅,丁立平,王志德,唐晓峰,范文晶 (29)

导航制导与控制技术

- 基于神经网络观测器的容错控制技术研究 荆家玮,王 伟,牛智奇,赵良玉 (37)

电子综合对抗与信息技术

- 基于正交偶极子阵列的混合信号波达方向与极化参数联合估计 王嘉宁,司伟建,乔玉龙 (44)
- MIMO 雷达在防空系统中的应用分析 马跃华,王 磊,孙海涛,余 科 (52)
- 基于遗传算法的 SVM 自适应干扰样式选择 戴少怀,王 磊,李 旻,余 科,罗 晨 (59)

系统建模与仿真技术

- 萨德导弹拦截防御作战弹道设计与仿真分析 雍恩米,赵良玉,赵 瞰 (65)
- 基于有机/无机复合材料的航天环境下高效热电转换技术研究 胡济珠,周 俊,李云云 (72)

国际空天防御发展态势

- 美先进反辐射导弹发展与应用分析 杨 艺,崔 宇,李 勇,王世超,王爱华 (77)
- 临近空间太阳能无人机在现代战争中的应用 赵 炜,赵 钱,黄江流,侯振乾,杜泽弘 (85)

AIR & SPACE DEFENSE

Jun . 2020 (Quarterly)

Vol .3 No .2 (Series 10)

CONTENTS

Missile Weapon System and General Technology

- Study of Trajectory-controlled Thrust Vector Technology Application in Air Defense Missile
..... GUAN Zaisheng , RUAN Wenhua , LIU Wei , SHI Zhenxing , LI Xinyi (1)
- Numerical Analysis of Thermal Protection Structure of Aircraft Hood Considering Multi-field Coupling Effect
..... LI Zongyang , LI Yu , CHENG Guangyi , DOU Yibin , ZHANG Xiaohong (8)
- Study on the Damage Effect of Cylindrical Charge on Reinforced Concrete Slabs
..... ZHANG Qiang , YU Yao , CHI Dejian , ZHU Zhipeng , JIANG Tao (16)

Joint Command & Control and Launching Technology

- A Fast Erecting Method and Optimization Design Based on Sliding Hinge Point
..... WANG Lanzhi , LI Shuxin (24)
- Research on Reliability of Power-on Reset of CSD Serial Board in Launch Control Equipment
..... ZHANG Shuai , DING Liping , WANG Zhide , TANG Xiaofeng , FAN Wenjing (29)

Navigation , Guidance and Control Technology

- Research on Fault-tolerant Control Technology Based on Neural Network Observer
..... JING Jiawei , WANG Wei , NIU Zhiqi , ZHAO Liangyu (37)

Integrated Electronic Countermeasures and Information Technology

- Joint Estimation of Direction of Arrival and Polarization Parameters of Mixed Signals Based on
Orthogonal Dipole Array WANG Jianing , SI Weijian , QIAO Yulong (44)
- Analysis of MIMO Radar Application in Air Defense System
..... MA Yuehua , WANG Lei , SUN Haitao , YU Ke (52)
- Selection of SVM Adaptive Interference Mode Based on Genetic Algorithm
..... DAI Shaohuai , WANG Lei , LI Min , YU Ke , LUO Chen (59)

System Modeling and Simulation Technology

- Design and Simulation of THAAD Missile Defence Trajectory
..... YONG Enmi , ZHAO Liangyu , ZHAO Tun (65)
- Research on Thermoelectric Conversion Technology Under Aerospace Environment Based
on Organic/Inorganic Composites HU JiZhu , ZHOU Jun , LI Yunyun (72)

International Air & Space Defense Development

- Analysis of U .S . Advanced Anti-Radiation Missile Development and Application
..... YANG Yi , CUI Yu , LI Yong , WANG Shichao , Wang Aihua (77)
- Application of Near Space Solar Powered UAV in Modern War
..... ZHAO Wei , ZHAO Qian , HUANG Jiangliu , HOU Zhenqian , DU Zehong (85)