

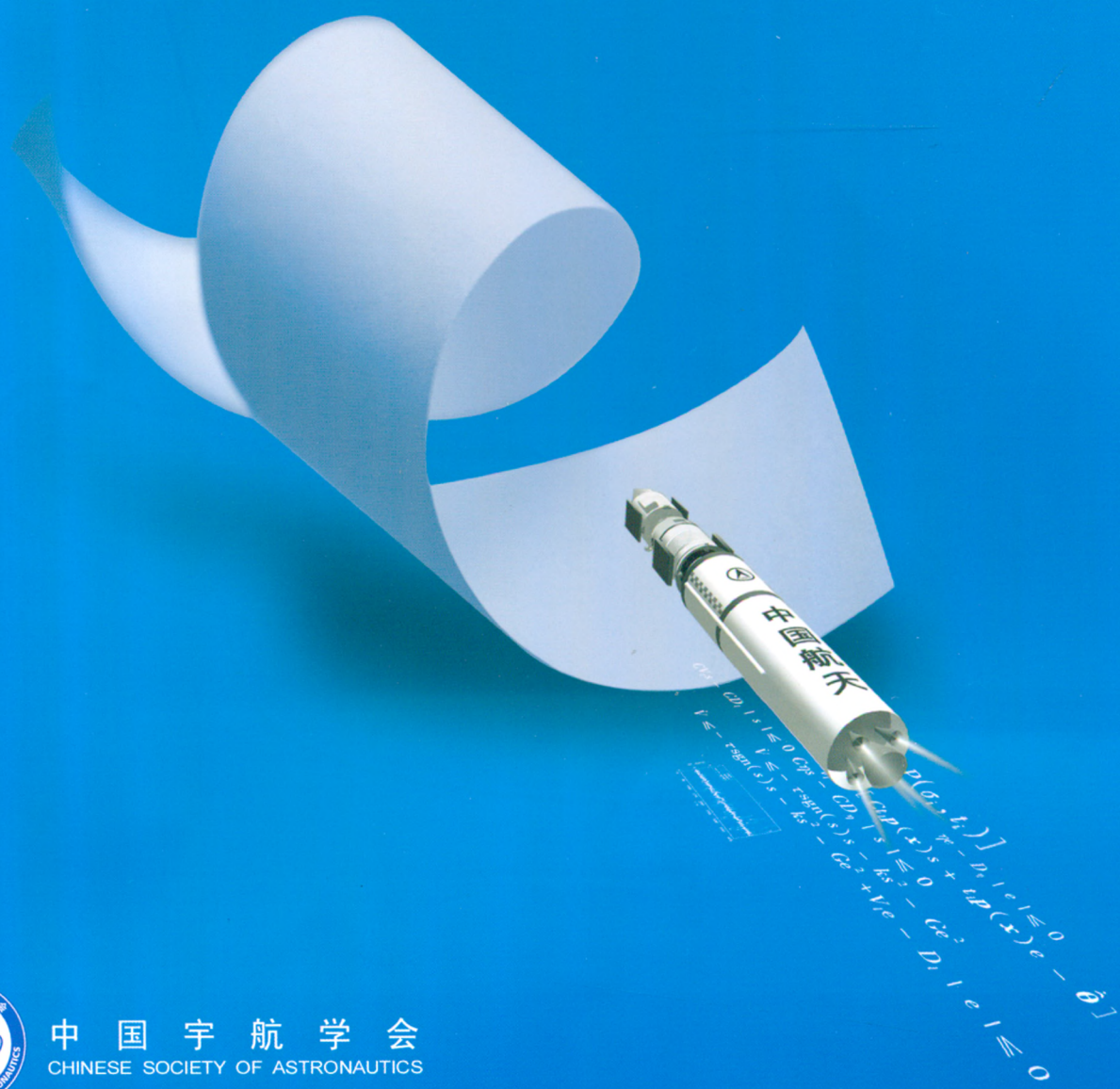
YUHAN XUEBAO 月刊 ISSN 1000-1328 2012

JOURNAL OF
ASTRONAUTICS

11

宇航学报

第33卷 第11期 Vol. 33 No. 11



中国宇航学会
CHINESE SOCIETY OF ASTRONAUTICS



宇航学报

第 33 卷第 11 期 2012 年 11 月

目 次

飞行器设计与力学

- 基于平衡滑翔的升力再入攻角设计分析及应用 张 冉, 李惠峰(1557)
空间机械臂建模方法与控制策略研究 荣吉利, 杨永泰, 李 健, 等(1564)
空间机器人抓取未知目标的质量特性参数辨识 金 磊, 徐世杰(1570)

制导、导航与控制

- 月球着陆器最终下降段的制导与控制方法研究 胡锦涛, 张洪华(1577)
基于伪谱法的固定采样实时最优制导方法研究 王丽英, 张友安(1586)
卫星定位误差椭球的几何特征研究 王 萌, 马冠一, 马利华, 等(1593)
一种星光折射卫星自主导航系统方案设计 宁晓琳, 王龙华, 白鑫贝, 等(1601)
导航星座的任务重构技术研究 李 晶, 余培军, 白 剑, 等(1611)
X 射线脉冲星导航测量延时补偿方法研究 褚永辉, 王大轶, 熊 凯, 等(1617)
精密卫星钟差分插值算法研究 刘志平, 郭广礼(1623)
受输入饱和约束的导弹直接侧向力/气动力复合控制 胥 彪, 周 荻(1630)
基于蚁群优化-模拟退火的天地测控资源联合调度 王海波, 徐敏强, 王日新, 等(1636)
BOC 信号解模糊边峰消除法通用模型的构建 陈辉华, 任嘉伟, 姚敏立(1646)

电子信息

- 基于组合矩阵的精确修复 MDS 编码 陈 勇, 武国强, 林宝军(1654)
多载波相位编码新体制雷达研究与实现 张 卫, 顾 红, 苏卫民(1660)
一种基于小波变换的伪码跟踪环路多径抑制方法 沈 锋, 盖 猛, 贺 瑞(1667)
QStroke: 一种高阶 BOC 卫星导航信号的无模糊多径抑制算法 张 锴, 刘瀛翔, 倪少杰, 等(1674)
基于压缩感知的多基地无源雷达成像算法 吴 昊, 苏卫民, 陈 刚, 等(1681)
运动状态下多传感器群目标精细航迹起始算法 王海鹏, 董云龙, 熊 伟, 等(1690)
一种正交跳频信号动态分选方法 顾晨辉, 王论文(1699)

环境试验与器件

- 倾角对含油工质冷凝换热影响的实验研究 毕研强, 徐向华, 梁新刚(1706)

期刊基本参数: CN11-2053/V * 1980 * b * A4 * 156 * zh * P * ¥60.00 * 1000 * 21 * 2012-11

JOURNAL OF ASTRONAUTICS

Vol.33 No.11 2012

CONTENTS

Flight Vehicle Design and Mechanics

- Angle of Attack Operation Zone Analysis and Application Based on Equilibrium Glide Condition for Lifting Reentry ZHANG Ran, LI Hui-feng (1557)
- Research on Modeling and Control Scheme of Space Manipulator RONG Ji-li, YANG Yong-tai, LI Jian, *et al* (1564)
- Inertial Parameter Identification of Unknown Object Captured by a Space Robot JIN Lei, XU Shi-jie (1570)

GNC

- Guidance and Control Method for Lunar Lander's Final Descent Phase HU Jin-chang, ZHANG Hong-hua (1577)
- Fixed Sampling Real-Time Optimal Guidance Method Based on Pseudo-Spectral Method WANG Li-ying, ZHANG You-an (1586)
- A Study on Geometric Feature of Error Ellipsoid in Satellite Positioning Systems WANG Meng, MA Guan-yi, MA Li-hua, *et al* (1593)
- A Scheme Design of Satellite Autonomous Navigation System Based on Stellar Refraction NING Xiao-lin, WANG Long-hua, BAI Xin-bei, *et al* (1601)
- Strategy of Mission Reconfiguration of Navigation Constellation LI Jing, YU Pei-jun, BAI Jian, *et al* (1611)
- Research on Measurement Time-Delay Compensation on X-Ray Pulsar-Based Navigation CHU Yong-hui, WANG Da-yi, XIONG Kai, *et al* (1617)
- Fractal Interpolation Method for GPS Precise Satellite Clock Bias LIU Zhi-ping, GUO Guang-li (1623)
- Dual Aero/Propulsive Missile Control Subject to Input Saturation XU Biao, ZHOU Di (1630)
- Solving Space and Ground TT&C Resources Integrated Scheduling Problem with Ant Colony Optimization-Simulated Annealing Algorithm WANG Hai-bo, XU Min-qiang, WANG Ri-xin, *et al* (1636)
- Side-Peak Cancellation General Framework Designed for BOC Signals Unambiguous Processing CHEN Hui-hua, REN Jia-wei, YAO Min-li (1646)

Electronic and Information Engineering

- Exact-Repair MDS Code Construction Using Compound-Matrix CHEN Yong, WU Guo-qiang, LIN Bao-jun (1654)
- Research and Realization of a New Radar System Based on Orthogonal Multi-Carrier Modulated Phase-Coded Signals ZHANG Wei, GU Hong, SU Wei-min (1660)
- A Novel Method of Multipath Mitigation for PN Code Tracking Loop Based on Wavelet Transform SHEN Feng, GAI Meng, HE Rui (1667)
- QStroke: An Unambiguous Multipath Mitigation Algorithm for High Order BOC Satellite Navigation Signals ZHANG Kai, LIU Ying-xiang, NI Shao-jie, *et al* (1674)
- Passive Multistatic Radar Imaging Algorithm Based on Compressed Sensing WU Hao, SU Wei-min, CHEN Gang, *et al* (1681)
- Multi-Sensor Group Target Refined Track Initiation Algorithm Based on Moving State WANG Hai-peng, DONG Yun-long, XIONG Wei, *et al* (1690)
- A Method for Orthogonal FH Signals Dynamic Sorting GU Chen-hui, WANG Lun-wen (1699)

Environmental Test and Device

- The Experimental Research of Effect of Inclination on Oily Working Medium Condensation Heat Transfer BI Yan-qiang, XU Xiang-hua, LIANG Xin-gang (1706)