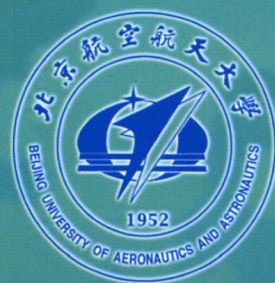




ISSN 1001-5965
CODEN BHHDE8

北京航空航天大学 学报

JOURNAL OF BEIJING UNIVERSITY OF
AERONAUTICS AND ASTRONAUTICS



2013-04

Vol.39 No.4

北京航空航天大学学报

第 39 卷 第 4 期 (总第 242 期) 2013 年 4 月

目 次

遥控模式下无人机系统纵向飞行品质评定	黄成涛	王立新	(427)
自抗扰控制技术在转台频响伺服中的应用	付永领 龙满林 郭 栋	牛建军	(432)
直升机光纤陀螺 IMU 抗振设计及实时滤波方法	任 剌 房建成	许 端	(437)
舰载直升机旋翼/机体耦合动力学稳定性	刘 洋	向锦武	(442)
基于结合力模型的自适应飞机防滑刹车控制	李丰羽	焦宗夏	(447)
飞机目标静态与动态测量的姿态一致性	李金梁 曾勇虎 周 波	付海波	(453)
一种改进的多目标粒子群优化算法	刘宝宁 章卫国 李广文	聂 瑞	(458)
基于自动有限元建模的民机机翼结构布局优化	闫伟天 罗明强 刘 虎	武 哲	(463)
不完全加速退化的三参数幂模型线性化方法	马小兵 常士华	陈云霞	(469)
基于地面实验的蒙皮换热器高空换热性能分析	党晓民 庞丽萍	林贵平	(474)
基于遗传算法的层合板分级铺层全局优化	刘振国 胡 杰	胡 龙	(478)
纳米银膏与微米银膏烧结连接对比	朱 颖 唐善平 闫剑锋	邹贵生	(484)
Monotonicity-Preserving 激波捕捉格式在湍流大尺度模拟中的评估	崔 健 方 剑 苑敬周	陆利蓬	(488)
复合材料加筋板后屈曲承载能力工程分析方法	王菲菲 崔德刚 熊 强	罗小强	(494)
模糊判别在软件可靠性加速测试中的应用	郑 峰 艾 骏 尚京威	王金辉	(498)
基于粒子滤波和不确定图的动态系统诊断方法	王 冬 李景文 冯文全	朱 楠	(503)
铝合金拉形粗晶临界预应变曲线的建立及应用	王 昆 万 敏 华 程	邵旭分	(508)
纳米改性环氧树脂固化反应及表面与摩擦性能	宋起超 周 真	杨春光	(512)
一种改进的运动目标抗遮挡跟踪算法	赵 龙	肖军波	(517)
机抖激光陀螺误差输出特性的分析	王琛琛	王新龙	(521)
不确定气动载荷计算的区间分析方法	黄 仁	邱志平	(525)
基于衬底偏置的超低耗电复用混频器	申 晶	张晓林	(531)
用于海洋磁测的芯片量子干涉磁力仪	关丽娟 康智慧	王增斌	(535)
粘弹性材料阻抗非局域特性实验验证	金中坤 王同庆 杨明媛	王 晋	(540)
高速热气流模拟风洞的供油流量控制	蔡超志 李运华	滕丰健	(544)
热处理对粉末冶金 TiAl 双态组织与性能的影响	苏美科 郑立静 张 虎	郎泽保	(549)
基于小波变换和 GM-ARMA 的导弹备件消耗预测	赵建忠 徐廷学 葛先军	尹延涛	(553)
基于性能可靠性约束的智能液压泵节能优化	黄伯超 王少萍 孟奕璇	石 健	(559)
基于 FFT 和专家系统的 BLDCM 系统故障检测与识别	王 欣 周元钧	马齐爽	(564)

期刊基本参数: CN11-2625/V * 1956 * m * A4 * 142 * zh * P * ¥ 20.00 * 1500 * 29 * 2013-04

(本期执行编辑 李 晶)

JOURNAL OF BEIJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS

Vol. 39 No. 4 (Sum 242) April 2013

CONTENTS

Longitudinal flying qualities evaluation of UAV system in remote mode	Huang Chengtao Wang Lixin (427)
Application of ADRC technology in simulator frequency response servo	Fu Yongling Long Manlin Guo Dong Niu Jianjun (432)
Anti-vibration design and real-time filter methods for FOG IMU used in helicopter	Ren Yan Fang Jiancheng Xu Duan (437)
Stability analysis of coupled rotor/fuselage system of shipboard helicopter	Liu Yang Xiang Jinwu (442)
Adaptive control for aircraft anti-skid braking system based on friction force model	Li Fengyu Jiao Zongxia (447)
Gesture consistency of airplane target between static and dynamic measurements	Li Jinliang Zeng Yonghu Zhou Bo Fu Haibo (453)
Improved multi-objective particle swarm optimization algorithm	Liu Baoning Zhang Weiguo Li Guangwen Nie Rui (458)
Layout optimization of civil airplane wing structure based on automated finite element modeling	Yan Weitian Luo Mingqiang Liu Hu Wu Zhe (463)
Method for linearize power function with three parameters of incomplete accelerated degradation data	Ma Xiaobing Chang Shihua Chen Yunxia (469)
High-altitude heat transfer performance analysis for skin heat exchanger based on ground experiment	Dang Xiaomin Pang Liping Lin Guiping (474)
Global optimization of classified composite laminated structures based on genetic algorithms	Liu Zhenguo Hu Jie Hu Long (478)
Comparison of the bonding through sintering between Ag nanoparticle paste and Ag microparticle paste	Zhu Ying Tang Shanping Yan Jianfeng Zou Guisheng (484)
Assessment of monotonicity-preserving scheme for large-scale simulation of turbulence	Cui Jian Fang Jian Yuan Jingzhou Lu Lipeng (488)
Engineering analysis of post-buckling loading capability for composite stiffened panels	Wang Feifei Cui Degang Xiong Qiang Luo Xiaoqiang (494)
Application of fuzzy discrimination in reliability accelerated testing	Zheng Feng Ai Jun Shang Jingwei Wang Jinhui (498)
Approach based on particle filter and uncertainty graph to diagnosis for dynamic systems	Wang Dong Li Jingwen Feng Wenquan Zhu Nan (503)
Determination and application of coarse-grain critical pre-strain curve to aluminum alloy stretch forming	Wang Kun Wan Min Hua Cheng Shao Xufen (508)
Curing kinetics of epoxy resin modified with nano-particles and surface strength properties and friction coefficient	Song Qichao Zhou Zhen Yang Chunguang (512)
Improved algorithm of tracking moving objects under occlusions	Zhao Long Xiao Junbo (517)
Analysis of error output characteristics of DRLG	Wang Chenchen Wang Xinlong (521)
Interval analysis method for uncertain aerodynamic loads computation	Huang Ren Qiu Zhiping (525)
Ultra-low power bulk-biased mixer with current-reuse	Shen Jing Zhang Xiaolin (531)
Design of chip-scale quantum interferometric magnetometer in marine environment	Guan Lijuan Kang Zhihui Wang Zengbin (535)
Experimental validation of non-local property of impedance of viscoelastic material	Jin Zhongkun Wang Tongqing Yang Mingsui Wang Jin (540)
Control of fuel flow-rate supply system in high-speed airflow thermal simulation tunnel	Cai Chaozhi Li Yunhua Teng Fengjian (544)
Effect of heat treatment on duplex microstructure and mechanical properties of PM TiAl alloy	Su Meike Zheng Lijing Zhang Hu Lang Zebao (549)
Consumption forecasting of missile spare parts based on wavelet transform and revised GM-ARMA model	Zhao Jianzhong Xu Tingxue Ge Xianjun Yin Yantao (553)
Energy-saving optimization for intelligent pumps based on performance reliability restriction	Huang Bochao Wang Shaoping Meng Yixuan Shi Jian (559)
Fault detection and identification for dual-redundant BLDCM system using FFT algorithm and expert system approach	Wang Xin Zhou Yuanjun Ma Qishuang (564)