



目 次

综述

- 涡升力乘波体发展研究综述 易怀喜,王逗,李珺,罗世彬(1)
- 点阵夹芯主动冷却结构发展现状与展望 袁运飞,廖俊,宋佳文,罗世彬,刘建(13)
- 空中交通管制员疲劳检测与管理综述 沈志远,魏义涛,闫永刚,赫海园(26)

论文

- 带连续变弯度后缘操纵面机翼的动态失速减缓 欧阳炎,寇西平,郭洪涛,杨智春(39)
- 先进战斗机纵向飞行特性与放宽静稳定度研究 皇甫乃章,杨蓓,但之华,孙鹏辉(50)
- 一种飞行迎角和侧滑角解算方法研究 温庆(62)
- 应用惯性释放方法的静气动弹性发散分析 章飞,程芳(68)
- 主动重心控制系统目标重心位置研究 杨俊,张超,赵跃明,王洋(73)
- 飞行器栖落机动轨迹可达域分析 杜昕,黄江涛,章胜(79)
- RF航段衔接ILS进近程序的最大下降角设计方法 赖欣,赵得存(86)

工程应用

- 机载拖曳体动力学建模及分析 张戈,刘南,侯良学,杨希明(91)
- 风洞分布式支撑天平测力试验技术研究 闫万方,张晨凯,蒋坤,张江(101)
- 高锁螺栓孔进R区的对接结构疲劳试验研究 黄志荣,张学友,殷姿,刁春涛,闻捷(110)
- 基于B/S的民用飞机结构修理方案平台的设计与实现 冯蕴雯,严浩,路成,薛小锋,徐志斌(117)
- 基于EBOM的航空发动机设计构型单台管理方法研究 罗海东,陈芝来,肖金彪(127)
- 飞机零组件材料选用和替代管理程序研究 李红蕊,种煜(134)
- 航向姿态参考系统磁航向误差偏大故障分析 薛永生,宋立廷(142)
- W型封严环表面粗糙度对间隙泄漏流动的影响 何少飞,王云,丁相玉,张呈,王金伟(147)
- C919民用飞机飞控系统鉴定试验环境设计 刘艳,陈经纬(153)
- 基于DO-178C的机载软件质量保证与管理 周培(161)



CONTENTS

Review

- Overview on the Development Research of Vortex Lift Waverider
..... YI Huaixi, WANG Dou, LI Jun, LUO Shibin (1)
- Development Status and Prospect of Lattice Sandwich Active Cooling Structure
..... YUAN Yunfei, LIAO Jun, SONG Jiawen, LUO Shibin, LIU Jian (13)
- A Review on Fatigue Detection and Management for Air Traffic Controllers
..... SHEN Zhiyuan, WEI Yitao, YAN Yonggang, HE Haiyuan (26)

Paper

- Alleviation of Dynamic Stall Moments by Morphing Flap
..... OUYANG Yan, KOU Xiping, GUO Hongtao, YANG Zhichun (39)
- Study on Longitudinal Flight Characteristics and Relaxed Static Stability of Advanced Fighter
..... HUANGFU Naizhang, YANG Bei, DAN Zhihua, SUN Penghui (50)
- A Method for Calculating Angle of Attack and Sideslip Angle WEN Qing (62)
- Aeroelastic Divergence Analysis by Introducing Inertia Relief Method ZHANG Fei, CHENG Fang (68)
- Research on Target Center-of-gravity Position for Active Center-of-gravity Control System
..... YANG Jun, ZHANG Chao, ZHAO Yueming, WANG Yang (73)
- Analysis of Reachable Set for Aircraft Perching Trajectory DU Xin, HUANG Jiangtao, ZHANG Sheng (79)
- Maximum Descent Angle Design Method for RF segment to ILS Precision Approach LAI Xin, ZHAO Decun (86)

Engineering Application

- Dynamic Modeling and Analysis of Airborne Towed Objects
..... ZHANG Ge, LIU Nan, HOU Liangxue, YANG Ximing (91)
- Experimental Investigation on Technology of Force Measurement Using a Distributed-sting-balance in Wind Tunnel
..... YAN Wanfang, ZHANG Chenkai, JIANG Kun, ZHANG Jiang (101)
- Investigation of Fatigue Test of Joint Structure for Hi-lock Bolt Interferes with Bend Radius
..... HUANG Zhirong, ZHANG Xueyou, YIN Zi, DIAO Chuntao, WEN Jie (110)
- Design and Implementation of Civil Aircraft Structure Maintenance Platform Based on B/S
..... FENG Yunwen, YAN Hao, LU Cheng, XUE Xiaofeng, XU Zhibin (117)
- Study on the Single Management Method of Aero-engine Design Configuration based on Engineering Bills of Material
..... LUO Haidong, CHEN Zhilai, XIAO Jinbiao (127)
- Research on Management Procedure of Material Selection and Substituting for Aircraft Parts
..... LI Hongrui, CHONG Yu (134)
- Failure Analysis on Magnetic Heading Error of AHRS XUE Yongsheng, SONG Liting (142)
- Influence of the Surface Roughness of W-shaped Sealing Ring on Leakage Flow in the Gap
..... HE Shaofei, WANG Yun, DING Xiangyu, ZHANG Cheng, WANG Jinwei (147)
- Environment Design of Qualification Test of C919 Civil Aircraft Flight Control System
..... LIU Yan, CHEN Jingwei (153)
- Airborne Software Quality Assurance and Management Based on DO-178C ZHOU Pei (161)