



ISSN 1001-5965
CODEN BHHDE8

北京航空航天大学 学报

JOURNAL OF BEIJING UNIVERSITY OF
AERONAUTICS AND ASTRONAUTICS



2018-05

Vol.44 No.5

目 次

基于统计 α 算法的过程挖掘 余建波, 董晨阳, 李传锋, 程辉, 孙习武 (895)

基于形态学的自动驾驶仪振动信号基线漂移去噪 张景元, 何玉珠 (907)

微小空间内电磁干扰要素检测与辨识方法 凌波, 林贲, 孙宏涛, 苏东林 (914)

强噪声环境下自适应 CRPF 故障诊断方法 王进花, 曹洁, 李伟, 黄玲 (923)

基于 CPS 方法的工业机器人系统 陈友东, 常石磊, 冯强国 (931)

航空燃油柱塞泵滑靴副混合润滑特性数值仿真 符江锋, 李华聪, 曾夏青, 刘显为 (939)

采用 FRM 的窄过渡带奇型排列结构改进方法 张文旭, 赵文童, 陈涛, 陈亚静 (951)

基于欧拉壁面液膜模型的三维热气防冰腔数值仿真 李延, 郭涛, 常红亮 (959)

随机和区间变量共存条件下的模型确认指标 赵录峰, 吕震宙, 阚丽娟 (967)

基于系统 PSN 曲线的齿轮箱疲劳可靠度评估 马洪义, 谢里阳 (975)

基于自适应强跟踪 CQKF 的目标跟踪算法 刘畅, 杨锁昌, 汪连栋, 张宽桥 (982)

基于混合地图的护理机器人室内导航方法 张立志, 陈殿生, 刘维惠 (991)

基于 RS-TOPSIS 的空中目标威胁评估 杨远志, 于雷, 周中良, 阮铖巍 (1001)

两种典型低空风切变对火箭弹弹道特性的影响 陈健伟, 王良明, 李子杰 (1008)

脉冲多普勒引信抗周期调制干扰性能研究 刘少坤, 闫晓鹏, 栗苹, 于洪海 (1018)

基于标校源辅助的不相交多目标到达时差定位 秦兆涛, 王俊, 陶磊岩, 魏少明 (1026)

直线驱动电静液作动器的匹配设计规则 王子蒙, 焦宗夏, 李兴鲁 (1037)

导航卫星双频复用信号模拟失真的仿真 蔚小龙, 寇艳红 (1048)

基于 PCE 的谐波减速器动态精度不确定性分析 张金洋, 张建国, 彭文胜, 刘育强, 汪龙 (1056)

硒掺杂锗碲相变存储材料的第一性原理研究 方治乾, 缪奶华, 周健 (1066)

一种基于深度学习的交互式电话号码识别方法 韩京冶, 许福, 陈志泊, 刘辉 (1074)

基于 Wiener 过程的发动机多阶段剩余寿命预测 黄亮, 刘君强, 贡英杰 (1081)

一种考虑共因失效的 PMS 可靠性建模分析方法 吴欢, 焦健, 赵廷弟 (1088)

多维力加载装置动力学建模及加载试验 侯立果, 王丹, 安大卫, 郭江真, 陈五一, 樊锐 (1095)

来流导致的高超声速气动热不确定度量分析 张伟, 王小永, 于剑, 阎超 (1102)

龙卷风维持特性的探索 邸浩宇, 徐晶磊, 高歌 (1110)

期刊基本参数: CN 11-2625/V * 1956 * m * A4 * 222 * zh * P * ¥50.00 * 900 * 26 * 2018-05

CONTENTS

Process mining based on statistical α -algorithm
..... YU Jianbo, DONG Chenyang, LI Chuanfeng, CHENG Hui, SUN Xiwu (895)

Removing baseline drift in vibration signal of autopilot based on morphology
..... ZHANG Jingyuan, HE Yuzhu (907)

Detection and identification method of electromagnetic interference elements in limited-space
..... LING Bo, LIN Yun, SUN Hongtao, SU Donglin (914)

An adaptive CRPF fault diagnosis method under strong noise condition
..... WANG Jinhua, CAO Jie, LI Wei, HUANG Ling (923)

Industrial robot system based on CPS approach
..... CHEN Youdong, CHANG Shilei, FENG Qiangguo (931)

Numerical simulation of hybrid lubrication characteristics of slipper pair of aviation fuel piston pump
..... FU Jiangfeng, LI Huacong, ZENG Xiaqing, LIU Xianwei (939)

An improved approach for odd-arrangement structure with narrow transition band based on FRM
..... ZHANG Wenxu, ZHAO Wentong, CHEN Tao, CHEN Yajing (951)

Numerical simulation of 3D hot-air anti-icing chamber based on Eulerian wall film model
..... LI Yan, GUO Tao, CHANG Hongliang (959)

A validation metric for model with mixture of random and interval variables
..... ZHAO Lufeng, LYU Zhenzhou, KAN Lijuan (967)

Assessment of gearbox fatigue reliability based on system PSN curve
..... MA Hongyi, XIE Liyang (975)

Target tracking algorithm based on adaptive strong tracking CQKF
..... LIU Chang, YANG Suochang, WANG Liandong, ZHANG Kuanqiao (982)

Care robot indoor navigation method based on hybrid map
..... ZHANG Lizhi, CHEN Diansheng, LIU Weihui (991)

Air target threat evaluation based on RS-TOPSIS
..... YANG Yuanzhi, YU Lei, ZHOU Zhongliang, RUAN Chengwei (1001)

Influence of two typical kinds of low-level wind shear on ballistic performance of rockets
..... CHEN Jianwei, WANG Liangming, LI Zijie (1008)

Anti-periodic modulation jamming performance of pulse Doppler fuze
..... LIU Shaokun, YAN Xiaopeng, LI Ping, YU Honghai (1018)

TDOA localization of multiple disjoint sources based on a calibration emitter
..... QIN Zhaotao, WANG Jun, TAO Leiyan, WEI Shaoming (1026)

Matching design rules of linear-driven electro-hydrostatic actuator
..... WANG Zimeng, JIAO Zongxia, LI Xinglu (1037)

Simulation of analog distortion of dual-frequency multiplexing signal generated by navigation satellite
..... YU Xiaolong, KOU Yanhong (1048)

Dynamic accuracy uncertainty analysis of harmonic reducer based on PCE
..... ZHANG Jinyang, ZHANG Jianguo, PENG Wensheng, LIU Yuqiang, WANG Long (1056)

First-principles study of Se doped GeTe phase-change material
..... FANG Zhiqian, MIAO Naihua, ZHOU Jian (1066)

A deep learning based interactive recognition method for telephone numbers
..... HAN Jingye, XU Fu, CHEN Zhibo, LIU Hui (1074)

Multi-phase residual life prediction of engines based on Wiener process
..... HUANG Liang, LIU Junqiang, GONG Yingjie (1081)

A reliability modeling and analysis method for PMS considering common cause failure
..... WU Huan, JIAO Jian, ZHAO Tingdi (1088)

Dynamic modeling and loading experiment of multi-dimensional loading device
..... HOU Liguang, WANG Dan, AN Dawei, GUO Jiangzhen, CHEN Wuyi, FAN Rui (1095)

Uncertainty quantification analysis in hypersonic aerothermodynamics due to freestream
..... ZHANG Wei, WANG Xiaoyong, YU Jian, YAN Chao (1102)

Exploration of tornado maintenance features
..... 万方数据 DI Haoyu, XU Jinglei, GAO Ge (1110)