



ISSN 1000-1093
CODEN BIXUD9

兵工学报

BINGGONG XUEBAO

ACTA ARMAMENTARII

第33卷
Vol.33

第10期
No.10

10

2012

ISSN 1000-1093



9 771000 109062

中国兵工学会

万方数据

ACTA ARMAMENTARII

(Monthly)

Vol. 33 No. 10 Dec. 2012

Series No. 187

CONTENTS

Study on Nonlinear Vibration Behavior of Simple Single Stage Planetary Gears in Multiple Work Conditions	LIU Hui, CAI Zhong-chang, ZHU Li-jun, et al (1153)
Design of Hydrogen Enriched Compressed Natural Gas Engine Fuel System and Test Research	ZHANG Chao-shan, XIONG Shu-sheng, REN Xiao-shuai, et al (1162)
Semi-analytic Solution of Nature Frequency of Transverse Vibration of a Barrel	CHEN Guang-song, QIAN Lin-fang, XU Ya-dong, et al (1168)
Preparation and Mechanical Properties of Cellulose Nanowhisker/Nitrocellulose Nanocomposites	WANG Wen-jun, FENG Lei, SHAO Zi-qiang, et al (1173)
An Improved Isometric Mapping Algorithm Based on New Geodesic Distance and Its Application in the Feature Extraction of Acoustic Targets	LIU Hui, YANG Jun-an, WANG Yi, et al (1178)
Comparative Study of Two Velocity Update Algorithms for SINS	LIN Yu-rong, CHEN Liang, FU Zhen-xian (1185)
Dynamic Modeling and Control of an In-plane 2-DOF Morphing Wing ...	SHI Rong-qi, SONG Jian-mei, ZHANG Ming-liang (1194)
Calibration of Strapdown Three-axis Magnetometer and Measurement Error Compensation of Geomagnetic Field Based on Total Least Squares	WU Zhi-tian, WU Yuan-xin, HU Xiao-ping, et al (1202)
Research on Close Air Combat Modeling of Differential Games for Unmanned Combat Air Vehicles	FU Li, WANG Xiao-guang (1210)
Research on Environmental Factor of Exponential Product Based on F Distribution	CHENG Hong-wei, TAO Jun-yong, ZHANG Yun-an, et al (1217)
Robust Adaptive Beamforming Based on Vector Optimization	SONG Hai-yan, PIAO Sheng-chun, QIN Jin-ping (1222)
Simulation Study on Drag Reduction Characteristics of Bionic Jet Flow Based on Shark Gill	GU Yun-qing, ZHAO Gang, ZHAO Hua-lin, et al (1230)
Research on a Novel Parallel Hydraulic Haptic Master Servo Control System	FENG Shi-zhu, XU Ming, ZHAO Ding-xuan, et al (1237)
Research on Numerical Simulation and Modification of Combustion System in a Diesel	YOU Guo-dong, SU Tie-xiong, SUN Li-wei, et al (1243)
Improved-Layered-Marginal Algorithm to Optimize Initial Spare Part Configuration Project	RUAN Min-zhi, LI Qing-min, LI Cheng, et al (1251)
Research Notes	
Consumption Forecasting of Missile Spare Parts Based on Rough Set, Entropy Weight and Improved SVM	ZHAO Jian-zhong, XU Ting-xue, LIU Yong, et al (1258)
Study on Composable Modeling and Simulating Technology for Equipment Battlefield Damage	WANG Guang-yan, HU Qi-wei, LIU Wei (1266)
Configuration Parameter Identification and Error Analysis of Mobile 6-DOF Parallel Mechanism	YAN Hao, LI Chang-chun, SUN Hui-peng (1276)

目次

- 多工况条件下单级行星传动非线性振动特性研究 刘辉, 蔡仲昌, 朱丽君, 等 (1153)
- 天然气掺氢发动机燃气供给系统设计与试验研究 张朝山, 熊树生, 任晓帅, 等 (1162)
- 身管横向固有振动的半解析解法 陈光宋, 钱林方, 徐亚栋, 等 (1168)
- 纳米纤维素晶须/硝化纤维素复合材料的制备与力学性能研究 王文俊, 冯蕾, 邵自强, 等 (1173)
- 基于改进测地距离的等度规映射及其在声目标特征提取中的应用 刘辉, 杨俊安, 王一, 等 (1178)
- 捷联惯导系统两种速度更新算法的比较研究 林玉荣, 陈亮, 付振宪 (1185)
- 平面两自由度变形机翼的动力学建模与控制 史榕硕, 宋建梅, 张明亮 (1194)
- 基于总体最小二乘的捷联三轴磁力仪标定与地磁场测量误差补偿 吴志添, 武元新, 胡小平, 等 (1202)
- 无人战机近距离空战微分对策建模研究 傅莉, 王晓光 (1210)
- 基于 F 分布的指数型产品环境因子计算方法研究 程红伟, 陶俊勇, 张云安, 等 (1217)
- 基于矢量最优化的稳健波束形成方法 宋海岩, 朴胜春, 秦进平 (1222)
- 仿鲨鱼鳃部射流减阻特性的仿真研究 谷云庆, 赵刚, 赵华琳, 等 (1230)
- 新型液压并联遥操纵手力反馈伺服控制研究 冯石柱, 徐鸣, 赵丁选, 等 (1237)
- 某柴油机燃烧系统数值仿真及改进设计研究 尤国栋, 苏铁熊, 孙利魏, 等 (1243)
- 改进的分层边际算法优化备件初始配置方案 阮旻智, 李庆民, 李承, 等 (1251)

研究简报

- 基于粗糙集和熵权以及改进支持向量机的导弹备件消耗预测 赵建忠, 徐廷学, 刘勇, 等 (1258)
- 装备战斗损伤组合建模与仿真技术研究 王广彦, 胡起伟, 刘伟 (1266)
- 可移动六自由度并联机构的位姿参数辨识及误差分析 延皓, 李长春, 孙会鹏 (1276)