

装甲兵工程学院学报

第 24 卷第 4 期

(总第 90 期)

2010 年 8 月

目 次

· 装备建设与保障 ·

- 军事装备铁路运输性试验仿真程序与方法 鲍平鑫, 杨永伟, 余贻荣, 等 (1)
- 作战系统 MAS 中的作战行动域与实际组元逻辑关系分析 李 雄, 董志明, 崔巖博, 等 (6)
- 装甲装备使用可用度与维修保障费用的优化模型 刘福胜, 吴 纬, 单志伟, 等 (11)
- 基于战时弹药消耗及补给数据的弹药储备量控制方法 樊胜利, 柏彦奇, 甘勤涛 (15)
- 关于信息化作战装备保障的思考 王荣辉, 金丽亚, 袁 义 (20)

· 车辆工程 ·

- 风扇蜗壳排气段结构优化研究 毕小平, 吕良栋, 索文超 (25)
- 基于倒拖过程参数测试的汽缸密封性评估 樊新海, 王战军, 安 钢, 等 (29)
- 空降车-气囊系统着地缓冲过程仿真分析 洪煌杰, 王红岩, 郝贵祥 (33)
- 测试轮直径对路面不平度测试精度的影响 何 达, 张兵志, 王红岩, 等 (37)
- 基于动力学分析和模糊综合评判的变速箱测点配置 赵丰文, 冯辅周, 戴 耀, 等 (41)

· 控制与信息技术 ·

- 材料力学性能纳米压入测试仪器发展综述 宋仲康, 马德军, 陈 伟 (45)
- 基于摆动式单线激光雷达的障碍物检测算法 赵汗青, 韩宝亮, 王珂珂 (50)
- 基于多信号模型的装甲车辆电源系统诊断策略 李光升, 陈 旦, 程延伟 (55)
- 具有全局收敛性的盲均衡算法 吕 军, 崔伟宁, 余立新, 等 (59)
- 基于定点 DSP 的计算阶次跟踪研究 温政钢, 荣军英 (62)

· 装备再制造工程 ·

- 高速精密混合陶瓷轴承套圈加工误差产生原因及工艺改进方法 田欣利, 许 森, 姚巨坤, 等 (65)
- 超音速等离子制备 Al/Ni 涂层的性能特点 郭永明, 王海军, 谢兆钱, 等 (69)
- 7A52 铝合金便携式搅拌摩擦焊接头的组织与性能分析 李 奇, 赵军军, 张 平, 等 (73)
- 添加剂对无电焊接脱渣性及焊缝成形的影响 刘吉延, 马世宁, 刘宏伟, 等 (77)

· 基础理论与应用 ·

- 压电材料中的共线非等长多裂纹问题 李永东, 张 男, 李康镛 (80)
- 重离子碰撞中的量子饱和机制 王宏民, 任志明, 王 洋, 等 (85)
- 一类二阶微分方程 Poincaré 分岔极限环的不存在性 吕宝红, 罗俊芝, 郑冬云 (88)
- 一类新型混沌动力学系统的自适应控制及同步研究 刘俊红, 杨万利, 郑素文 (91)

执行编辑: 牛燕平 英文审校: 周 倩

期刊基本参数: CN-3984/E * 1987 * A4 * 96 * zh * P * ¥12.00 * 1500 * 23 * 2010-08

JOURNAL OF ACADEMY OF ARMORED FORCE ENGINEERING

Vol. 24 No. 4

(Sum No. 90)

Aug. 2010

· Equipment Construction and Support ·

Procedure and Method of Military Equipment Railway Transportability Testing Simulation

..... BAO Ping-xin, YANG Yong-wei, YU Yi-rong, et al (1)

Analysis on Warfare Action Domain and Real Component Relationship in MAS Model for Warfare System

..... LI Xiong, DONG Zhi-ming, CUI Dian-bo, et al (6)

Optimization Models of Armored Equipment Operational Availability and Maintenance Support Cost

..... LIU Fu-sheng, WU Wei, SHAN Zhi-wei, et al (11)

Controlling Method of Ammunition Storing Quantity Based on Data of Wartime Consumption

and Supply of Ammunition FAN Sheng-li, BAI Yan-qi, GAN Qin-tao (15)

Thinking about Equipment Support for Information Warfare WANG Rong-hui, JIN Li-ya, YUAN Yi (20)

· Vehicle Engineering ·

Study on Structure Optimization for Volute Based on CFD BI Xiao-ping, LÜ Liang-dong, SUO Wen-chao (25)

Evaluation for Cylinder Sealing Based on Parameters Measurement in Reverse Dragging Process

..... FAN Xin-hai, WANG Zhan-jun, An Gang, et al (29)

Simulation and Analysis of Landing Cushion Process for Airborne Vehicle and Airbag

..... HONG Huang-jie, WANG Hong-yan, HAO Gui-xiang (33)

Precision Effect by the Diameter of Testing Tire in Road Surface Roughness Test

..... HE Da, ZHANG Bing-zhi, WANG Hong-yan, et al (37)

Gearbox Optimum Placement of Sensor Based on Dynamics Analysis and Fuzzy Comprehensive Evaluation

..... ZHAO Feng-wen, FENG Fu-zhou, DAI Yao, et al (41)

· Control and Information Technology ·

A Review of Nanoindentation Measuring Instruments for Materials Mechanical Properties

..... SONG Zhong-kang, MA De-jun, CHEN Wei (45)

An Obstacle Detection Algorithm Based on the Oscillating Single Scan LIDAR

..... ZHAO Han-qing, HAN Bao-liang, WANG Ke-ke (50)

Armored Vehicle Power System Diagnosis Strategy Based on Multi-signal Model

..... LI Guang-sheng, CHEN Dan, CHENG Yan-wei (55)

Blind Equalization Algorithm with Global Convergence LÜ Jun, CUI Wei-ning, YU Li-xin, et al (59)

Research on Computed Order Tracking Based on Fixed-point DSP

..... WEN Zheng-gang, LUAN Jun-ying (62)

· Equipment Remanufacturing Engineering ·

Analysis on Reasons Causing Mismachining Tolerance of High-speed Precision Hybrid Ceramic Bearing

Ring Machining and Process Improvement TIAN Xin-li, XU Sen, YAO Ju-kun, et al (65)

Characteristic of Supersonic Plasma Spraying Al/Ni Coatings GUO Yong-ming, WANG Hai-jun, XIE Zhao-qian, et al (69)

Structure and Property Investigation of Portable Friction Stir Welding of 7A52 Aluminum Alloy

..... LI Qi, ZHAO Jun-jun, ZHANG Ping, et al (73)

Effect of Additive on Slag-separation and Weld-seam Forming of Non-electric Welding

..... LIU Ji-yan, MA Shi-ning, LIU Hong-wei, et al (77)

· Elementary Theory and Application ·

Collinear Multiple Unequal Cracks in Piezoelectric Materials LI Yong-dong, ZHANG Nan, LEE Kang-yong (80)

Quantum Saturation in Heavy-ion Collisions WANG Hong-min, REN Zhi-ming, WANG Yang, et al (85)

Nonexistence of Limit Cycles of a Class of Second Order Differential Equations in the Case of Poincaré Bifurcation

..... LÜ Bao-hong, LUO Jun-zhi, ZHENG Dong-yun (88)

Adaptive Control and Synchronization for a Kind of New Chaotic Dynamical System

..... LIU Jun-hong, YANG Wan-li, ZHENG Su-wen (91)