

四川兵工学报

JOURNAL OF SICHUAN ORDNANCE

ISSN 1006-0707
CODEN SBXUFD

2013年第5期
第34卷
总第178期

5



SICHUAN BINGGONG XUEBAO

主办单位：重庆市（四川省）兵工学会 重庆理工大学

- ☆ 中国科技核心期刊
- ☆ 中国科技论文统计源期刊
- ☆ 美国化学文摘 (CA) 收录期刊
- ☆ 中国学术期刊评价数据库来源期刊
- ☆ CNKI 中国期刊全文数据库收录期刊
- ☆ 中国科技论文在线数据库来源期刊



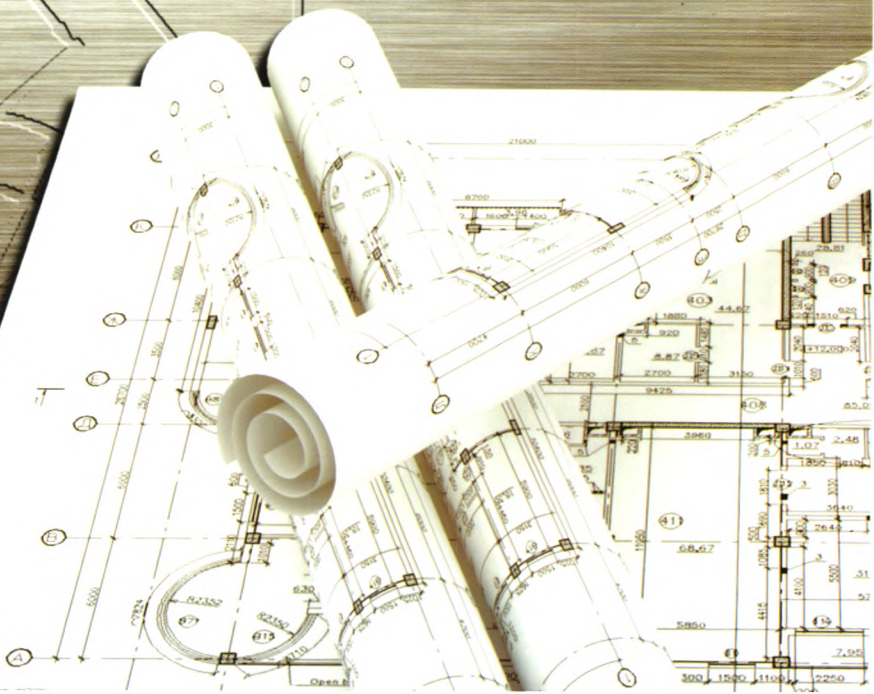
ISSN 1006-0707



05 >

9 771006 070090

万方数据



目 录

武器装备理论与技术

- 装甲战车防护技术研究 李向荣,赵海龙(1)
Three Important Protection Techniques of Armored Vehicles *Li Xiang-rong, ZHAO Hai-long*(1)
- 高功率电磁脉冲弹反导策略组合最优化研究 张跟鹏(5)
Research of the Combinatorial Optimization in the Anti-missile Strategy with EMP-Bomb *ZHANG Gen-peng*(5)
- 常规导弹部队战术模拟训练评价方法 高桂清,史重建(9)
Study on Evaluation Technology of Simulation-Based Tactical Training Performance for Missile Forces
..... *GAO Gui-qin, SHI Chong-jian*(9)
- 枪弹底火击穿爆炸成因探析 张洪星,杜永博,曹志刚,齐杏林(12)
The Analysis on the Reason of Explosion of the Bullet Perforated Primer
..... *ZHANG Hong-xing, DU Yong-bo, CAO Zhi-gang, et al*(12)
- 基于案例推理的航天发射场故障诊断系统 周辉峰,王一雄,曾少龙,张庆胜(15)
Cosmodrome Fault Diagnosis System Based on Case-Based Reasoning
..... *ZHOU Hui-feng, WANG Yi-xiong, ZENG Shao-long, et al*(15)
- 钨合金弹侵彻运动圆柱壳靶板的数值模拟 吴世永,宿德志,王 坤(20)
Numerical Simulation of Penetration of Tungsten-Alloy Projectile Penetrating Moving Cylindrical Shell Target
..... *WU Shi-yong, SU De-zhi, WANG Kun*(20)
- 临近空间攻防对抗技术发展研究 李亚轲,梁晓庚,郭正玉(24)
Research of Near Space Attack-Defense Confrontation Technology *LI Ya-ke, LIANG Xiao-geng, GUO Zheng-yu*(24)
- 三回路驾驶仪控制下的导弹静不稳定性边界 郑鹞鹞,华建林,姜殿民(27)
Static-Unstable Stability Limitation of Missile Under Control of Three Loop Autopilot
..... *ZHENG Kun-peng, HUA Jian-lin, JIANG Dian-min*(27)
- 带末端角度约束的离散滑模制导律设计 颜 博,田宏亮,许国栋(31)
Design of Discrete Sliding-Mode Guidance Law with Terminal Angle Constraint
..... *YAN Bo, TIAN Hong-liang, XU Guo-dong*(31)
- 基于 Vega 的光电制导武器电子对抗视景仿真技术 白 彬,李文生,王国民(35)
Research on Technology of Visual Simulation for Electronic Countermeasure of Photoelectric Guided Weapon Based on Vega
..... *BAI Bin, LI Wen-sheng, WANG Guo-ming*(35)
- 中远距空空导弹弹道总体规划 靳 凌(38)
Trajectory Planning of Middle-Long-Range Air-to-Air Missile *JIN Ling*(38)
- 基于遗传算法的弹道优化算法 张乐蓉,宋 龙,章惠君(40)
Trajectory Optimization Method Based on Genetic Algorithm for Air-to-Air Missiles
..... *ZHANG Le-rong, SONG Long, ZHANG Hui-jun*(40)
- 基于灰色关联度分析法的飞行控制系统故障原因分析 崔亚君,祝华远,李艳丽(44)
Flight Control System Faults Analysis Based on Grey Relation Method *CUI Ya-jun, ZHU Hua-yuan, LI Yan-li*(44)

后勤保障与装备管理

- 航空装备保障特性综合评估指标体系 祝华远,赵功伟,崔亚君,王灵芝,刘俊瀛(46)
Evaluation Index of Aviation Equipment Support Characteristics ZHU Hua-yuan, ZHAO Gong-wei, CUI Ya-jun, et al(46)
- 武器装备体系保障军事需求问题框架研究 王一波,石全,张成(50)
Research of Military Requirement Problem Frame for Weapon System of Systems Support
..... WANG Yi-bo, SHI Quan, ZHANG Cheng(50)
- JBPM workflow 技术在工程装备维修业务中的应用 武鹏,凌海风,肖毅鸿,杨炜辰(53)
Application and Research of JBPM Workflow Technology in the Engineering Equipment Repair Business
..... WU Peng, LING Hai-feng, XIAO Yi-hong, et al(53)
- 基于 DEA 的装备保障方案评估 代海飞,刘小方,张永天,赵鹏昭(58)
Research on Evaluating the Equipment Support Program Based on DEA
..... DAI Hai-fei, LIU Xiao-fang, ZHANG Yong-tian, et al(58)
- 机载设备技术保障能力评估指标体系 贾梦杰,孙荣平,董华,柏长帅(62)
Evaluation Index System for Technical Support Ability of Airborne Equipment
..... JIA Meng-jie, SUN Rong-ping, DONG Hua, et al(62)
- 弹药修理安全风险内涵分析 姜欣明,连晋峰,郭旭光(65)
Analysis of the Connotation of Ammunition Maintenance Safety Risk JIANG Xin-ming, LIAN Jin-feng, GUO Xu-guang(65)
- 一种基于 PSO 的装备战场抢修力量调度多目标决策模型 张军,江勳林,武鹏,秦一凡(69)
Multi-objective Decision-Making Model of BDAR Unit Scheduling Based on PSO
..... ZHANG Jun, JIANG Xun-lin, WU Peng, et al(69)
- 电路国产化可靠性管理 胡剑书,刘锐,唐万军(73)
Management of the Reliability for Circuits Localization HU Jian-shu, LIU Rui, TANG Wan-jun(73)
- 高频超视距雷达系统发展现状及趋势 费川,曹松棣,杨强,周传晟(76)
Current States and Trends of HF over the Horizon Radar System FEI Chuan, CAO Song-di, YANG Qiang, et al(76)

机械制造与检测技术

- 复合压电振子非轴对称优化 曾一致,陶红艳,刘天宝,余成波,王晟(79)
A Research on Non-axisymmetrical Optimization of Composite Piezoelectric Oscillator
..... ZENG Yi-zhi, TAO Hong-yan, LIU Tian-bao, et al(79)
- 高强度铝蜂窝组装设备 刘天宝,陶红艳,于文泽,王书付,王晟(83)
Research on Assembly Equipment of High Strength Aluminium Honeycomb
..... LIU Tian-bao, TAO Hong-yan, YU Wen-ze, et al(83)

信息科学与控制工程

- 电子凸轮控制器设计 刘学鹏,郝晓红,张东升,黄晓东(87)
The Design of Electronic Cam Controller LIU Xue-peng, HAO Xiao-hong, ZHANG Dong-sheng, et al(87)
- 高瞬态响应指标的伺服系统设计方法 周文,李长红,韩耀鹏,杨执中,蔺韬,张汇博(91)
Design Method of Servo System Possess of Fast Transient Response
..... ZHOU Wen, LI Chang-hong, HAN Yao-peng, et al(91)

双通道单脉冲跟踪快速校相改进算法 仇三山(96)
An Improved Fast Phase Adjusting Algorithm for Dual-Channel Monopulse IF Tracking Receivers QIU San-shan(96)
雷达目标跟踪模拟技术 许文忠,张阳阳,王梓斌,王 勇,赵乐至(99)
Research of Tracking and Simulating Techniques for Radar Targets
..... XU Wen-zhong, ZHANG Yang-yang, WANG Zi-bin, et al(99)
嵌入式软件实时动态仿真系统设计 张 萍(102)
Design of Real-Time Dynamic Simulation System of Embedded Software ZHANG Ping(102)
频谱细化算法分析 赵宏强(105)
Analysis of Spectrum Zoom Algorithms ZHAO Hong-qiang(105)
卫星测量数据电离层延迟误差多频修正方法 吴胤霖,战 杰(110)
Multi-Frequency Correction Method for Ionosphere Error in Satellite Measurements WU Yin-lin, ZHAN Jie(110)
基于S3C2410的嵌入式Linux开发环境的搭建 朱 黎(113)
The Building of Embedded Linux Development Environment Based on the S3C2410 ZHU Li(113)

化学工程与材料科学

陶瓷/金属复合装甲抗侵彻研究进展 尹志新,李言语,梁兴华,陆 辉(116)
Research Progress of Ceramic/Metal Composite Armor Against Ballistic Penetration
..... YIN Zhi-xin, LI Yan-yu, LIANG Xiong-hua, et al(116)
1-甲基-4,5-二硝基咪唑包覆钝感CL-20研究
..... 王小军,尚凤琴,王 霞,鲁志艳,秦 亮,杨学斌,苏 强,杨彩云,曹端林(120)
Study on Insensitivity CL-20 Coated with 4,5-MDNI WANG Xiao-jun, SHANG Feng-qin, WANG Xia, et al(120)
高速鱼雷水冲压发动机用金属/水反应燃料研究进展 张亚俊,王 伟,李吉祯,刘芳莉,齐晓飞(123)
Review on the Hydroreactive Metal Fuel Used in Water Ramjet Engine of High Speed Torpedo
..... ZHANG Ya-jun, WANG Yi, LI Ji-zhen, et al(123)

基础理论与应用研究

机电产品材料成本的控制方法 周康渠,郭东东,李 晓(127)
Mechatronics Material Cost Control Method ZHOU Kang-qu, GUO Dong-dong, LI Xiao(127)
基于时空LBP特征的自适应运动目标提取算法 黄存东,杨思春,刘仁金(130)
Temporal-Spatial LBP Based on Adaptive Moving Object Extracing HUANG Cun-dong, YANG Si-chun, LIU Ren-jin(130)
线性跟踪系统Lyapunov函数性质及其应用 凡国龙,梁晓庚(134)
The Nature of the Lyapunov Function and Its Application in the Linear Tracking System..... FAN Guo-long, LIANG Xiao-geng(134)
数字化侦察营指挥控制系统作战使用效能评估 张继春,吴伟泽(137)
Usefulness Assessment of Digitalization Reconnaissance Command and Control System Battle ... ZHANG Ji-chun, WU Wei-ze(137)
空间信息支援导弹防御系统作战需求论证的反向分析方法 杨 娟,刘 欣(141)
Inverse Analysis Method of Operational Requirements Demonstration of Missile Defense System Supported
by Space Information YANG Juan, LIU Xin(141)
正交试验法在制导算法优化中的应用 王纪兵,花文华,张金鹏,兰 勇(145)
Application of Orthogonal Design in Guidance Algorithm Optimization
..... WANG Ji-bing, HUA Wen-hua, ZHANG Jin-peng, et al(145)