



ISSN 1000-1093
CODEN BIXUD9

兵工学报

BINGGONG XUEBAO

ACTA ARMAMENTARII

第33卷

Vol.33

第11期

No.11

11

2012

ISSN 1000 -1093



9 771000 109062

中国兵工学会

ACTA ARMAMENTARII

(Monthly)

Vol. 33 No. 11 Nov. 2012

Series No. 188

CONTENTS

Improved Design for Top Carriage of a Gun	SUN Quan-zhao, YANG Guo-lai, GE Jian-li (1281)
Dynamics Analysis for Wheeled and Tracked Multiple Launch Rocket System	WANG Guo-ping, RUI Xiao-ting, YANG Fu-feng, et al (1286)
Simulation Study on Residual Stress in Cold Radial Forged Barrel	LIU Li-li, FAN Li-xia, XU Cheng (1291)
Research on Residual Stress of Hydraulic Autofrettaged Barrel in Practice Firing	LI Kui-wu, ZENG Zhi-yin, NING Bian-fang, et al (1298)
Study on Preparation and Luminescence Performance of $\text{SrMoO}_4 : \text{Eu}^{3+}$ Fluorescent Powder Used in White-light LED	ZHANG Chi-jun, LI Xi-lin, LONG Dan-dan, et al (1303)
Calculation and Image Simulation of Aircraft Infrared Radiation Characteristic	LI Jian-xun, TONG Zhong-xiang, WANG Chao-zhe, et al (1310)
Simulation on Detection Range of Infrared Detector for Flying Projectile	ZHANG Bao-hui, ZHANG Jun-ju, CHANG Ben-kang, et al (1319)
Static Pose Measurement of Gun Barrel Based on Monocular Vision	ZHU Yao-xuan, DUAN Xiu-sheng, WANG Chun-ping, et al (1324)
Iterative Filter and Optical Flow Estimation Matching of Feature Points in Rotary Jitter Compensation	WANG Bin-rui, XU Yin, JIN Ying-lian, et al (1329)
Inversion Identification of Constitutive Model of Cohesive Zone in HTPB Propellant	HAN Bo, JU Yu-tao, ZHOU Chang-sheng (1335)
A Kind of Conserved Quantity Induced by Lie Symmetry of Nonholonomic Mechanical System	SHEN Yue, ZHANG Ling-tan (1342)
Restrain Effect of Hollow Cone Striker Bar on Incident Pulse Dispersion of Split Hopkinson Pressure Bar	ZOU Guang-ping, WANG Xin-zheng, CHEN Jian-jie, et al (1346)
A Damage Assessment Model Based on Adaptive Neuro-fuzzy Inference System	WU Zheng-long, ZHAO Zhong-shi (1352)
Damage Probability Calculation Model of Rapid-fire Gun Based on Common Component Decomposition	TAO De-jin, SHI Hui-min, WANG Jun, et al (1358)
Adaptive Path-following Control for Miniature Autonomous Helicopter	WANG Qiang, HUO Wei (1364)
Research Notes	
Research on Output Regulation of Rocket Launcher Subjected to Platform Disturbance	ZHUANG Wen-xu, MA Da-wei, LE Gui-gao (1373)
Research on Torque Control of Servo System Load Simulator Based on Grey Prediction Fuzzy-PID Controller	WANG Li, QIAN Lin-fang, GAO Qiang, et al (1379)
An Improved Method for Rapid Ambiguity Calculation Using Single Frequency GPS Receiver	PANG Chun-lei, ZHAO Xiu-bin, LU Yan-e, et al (1387)
Service Selection of Network Simulation Task Community Based on Improved Particle Swarm Optimization Algorithm	SUN Li-yang, LIN Jian-ning, MAO Shao-jie, et al (1393)
Simulation on Mechanical Properties of Composite Directional Pipe	LI Pei-zhen, LI Zhi-gang (1404)

目次

- 某火炮上架结构改进设计 孙全兆, 杨国来, 葛建立 (1281)
轮式与履带式多管火箭动力学分析 王国平, 芮筱亭, 杨富锋, 等 (1286)
身管冷径向锻造残余应力的模拟研究 刘力力, 樊黎霞, 徐诚 (1291)
液压自紧身管残余应力随实弹射击的变化规律研究 李魁武, 曾志银, 宁变芳, 等 (1298)
白光 LED 用 $\text{SrMoO}_4:\text{Eu}^{3+}$ 荧光粉的制备及发光性能研究 张赤军, 李西林, 龙丹丹, 等 (1303)
飞机目标红外特性计算与图像仿真 李建勋, 童中翔, 王超哲, 等 (1310)
红外探测器对飞行弹丸探测距离的仿真研究 张宝辉, 张俊举, 常本康, 等 (1319)
基于单目视觉的火炮身管指向静态测量 朱耀轩, 段修生, 王春平, 等 (1324)
旋转视频中特征点的迭代筛选与光流估计匹配研究 王斌锐, 徐崟, 金英连, 等 (1329)
HTPB 推进剂粘聚区本构模型反演识别研究 韩波, 鞠玉涛, 周长省 (1335)
非完整力学系统的 Lie 对称性直接导致的一种守恒量 沈跃, 张令坦 (1342)
空心锥撞击杆对分离式霍普金森压杆入射脉冲弥散的抑制效果分析
..... 邹广平, 王新征, 陈剑杰, 等 (1346)
基于自适应模糊神经网络系统的射击毁伤评估模型研究 吴正龙, 赵忠实 (1352)
基于共有分量分解的速射火炮毁伤概率计算模型 陶德进, 史慧敏, 王军, 等 (1358)
微型无人直升机自适应路径跟踪控制 王强, 霍伟 (1364)

研究简报

- 火箭炮在安装平台耦合干扰下的输出调节问题研究 庄文许, 马大为, 乐贵高 (1373)
基于灰预测模糊 PID 的随动系统负载模拟器力矩控制研究 王力, 钱林方, 高强, 等 (1379)
一种改进型的 GPS 单频整周模糊度快速解算方法 庞春雷, 赵修斌, 卢艳娥, 等 (1387)
基于改进粒子群优化算法的网络化仿真任务共同体服务选择 孙黎阳, 林剑柠, 毛少杰, 等 (1393)
复合材料定向管力学特性仿真 李培珍, 李志刚 (1404)