

目 次

超参数优化神经网络驱动的弹炮碰撞动力学建模 罗 灿,黎科先,马 佳,等 (1)

密实装药床内燃气射流对发射药药粒运动特性影响 方海潮,陆 欣 (11)

喷管喉部直径对无后坐力枪内弹道影响分析 王瑞龙,刘朋展,申泽斌,等 (23)

双股等离子体射流在液体工质中的扩展特性研究 杨柳芯,余永刚 (31)

弹用固体燃料柱状装药冲压发动机性能分析 岳 领,史金光,任华杰,等 (40)

电磁轨道炮瞬态电磁场变步长微分求积法研究 吴 楠,何 斌,王国平,等 (51)

基于轴对称光滑有限元的身管动力学仿真 魏甜甜,姜懿俊,黄文宽 (59)

小型巡飞弹舵翼折叠形式气动特性数值研究 沈志成,易爱清,高 翔,等 (66)

基于模糊 PID 的重型无人作战系统车炮协同控制 胥昊辰,杨国来,王宗范,等 (73)

弹体高速侵彻预损伤混凝土作用过程数值模拟研究 董建才,刘 闯,谈梦婷,等 (83)

药型罩结构对环形向内切割器切割能力的影响 翁立浩,徐永杰,郑娜娜,等 (96)

基于 GA-BP 神经网络的水介质药型罩结构优化 余天晨,杜 宁,潘明然,等 (105)

基于改进 PO 算法的某供弹机动力学模型参数辨识 王 茜,徐亚栋,刘太素,等 (113)

基于黑鹰优化算法的无链式弹仓参数辨识研究 刘振波,侯保林 (122)

CONTENTS

Neural Network-based Projectile-barrel Contact/Impact Dynamics Modeling with Hyperparameter Optimization
..... LUO Can,LI Kexian,MA Jia,et al (1)

Impact of Gas Jet on the Motion Characteristics of Propellant Particles in Dense Propellant Room
..... FANG Haichao,LU Xin (11)

Analysis of Effect of Nozzle Throat Diameter on Interior Ballistics of Recoilless Gun
..... WANG Ruilong,LIU Pengzhan,SHEN Zebin,et al (23)

Simulation of Expansion Characteristics of Twin Plasma Jets in Liquid YANG Liuxin,YU Yonggang (31)

Performance Analysis of Solid Fuel Cylindrical Charge Ramjets for Projectiles
..... YUE Ling,SHI Jinguang,REN Huajie,et al (40)

Research on Transient Electromagnetic Field of Electromagnetic Rail Gun with Variable Step-size Differential Quadrature
Method WU Nan,HE Bin,WANG Guoping,et al (51)

Dynamic Simulation of Barrel Based on Axisymmetric Smoothed Finite Element Method
..... WEI Tiantian,JIANG Yijun,HUANG Wenkuan (59)

Numerical Study on the Aerodynamic Characteristics of the Folded Rudder Wing of Small Patrol Missile
..... SHEN Zhicheng,YI Aiqing,GAO Xiang,et al (66)

Vehicle-Gun Cooperative Control of Heavy Unmanned Combat System Based on Fuzzy PID
..... XU Haochen,YANG Guolai,WANG Zongfan,et al (73)

Numerical Simulation of High-speed Projectile Penetration Pre-damaged Concrete Target
..... DONG Jiancai,LIU Chuang,TAN Mengting,et al (83)

Influence of Liner Structure on Cutting Ability of Annular Inward Cutter WENG Lihao,XU Yongjie,ZHENG Nana,et al (96)

Structural Optimization of Water-medium Shaped Charge Liner Based on GA-BP Neural Network
..... YU Tianchen,DU Ning,PAN Mingran,et al (105)

Dynamic Model Parameter Identification for an Ammunition Supply Machine based on IPO
..... WANG Qian,XU Yadong,LIU Taisu,et al (113)

Research on Parameter Identification of Chainless Magazine Based on Black Eagle Optimizer
..... LIU Zhenbo,HOU Baolin (122)