

目次

- 泡沫金属子弹冲击下多孔金属夹芯板动力响应研究 宋延泽, 王志华, 赵隆茂, 等 (1)
- 硝基三唑类衍生物的结构和爆轰性能的理论研究 雷锋斌, 朱佳平, 曹端林 (8)
- 基于差异投影的多类型指标综合评估方法 李明辉, 夏靖波, 韩仲祥, 等 (17)
- 线性化信号与控制信号的相位差对周期平均力影响的分析 王恩德, 朱枫, 肖阳辉, 等 (23)
- 导引头隔离度相位滞后对寄生回路稳定性影响研究 杜运理, 夏群利, 祁载康 (28)
- 地磁信号检测系统误差分析与补偿方法研究 黄学功, 王灵 (33)
- 弹用涡喷发动机风车起动过程仿真及性能分析 杨欣毅, 沈伟, 刘海峰, 等 (37)
- 柔性空间机械臂末端运动及柔性振动的模糊自适应补偿控制 梁捷, 陈力 (45)
- Mg-8% Li 合金动态断裂行为的加载速率效应 沙桂英, 于涛, 王洪顺, 等 (58)
- 等温淬火球铁热处理工艺参数的优化方法 王洪, 郭旭红, 王伟 (63)
- 瞬时相关积分法及其在线谱检测中的应用 张光普, 梁国龙, 范展, 等 (69)
- 人字齿轮均载特性的理论分析与试验研究 王成, 方宗德, 贾海涛 (74)
- 一种新的冲突证据融合方法 彭颖, 沈怀荣, 马永一 (78)
- 基于空间算子代数的星载天线机构动力学计算 游斌弟, 赵志刚, 魏承, 等 (85)
- 闪烁噪声下目标跟踪的改进粒子滤波算法 刘望生, 李亚安 (91)

研究简报

- 高速飞行器复合材料隔热层参数化设计 刘峰, 林彬, 王占彬 (96)
- 聚能装药用多点环形起爆器的设计 段卓平, 温丽晶, 申健, 等 (101)
- 结构特征参数和应变速率对泡沫铝压缩力学性能的影响 王永刚, 王春雷 (106)
- 静电纺丝技术制备 $\text{BaFe}_{12}\text{O}_{19}$ 纳米纤维与表征 范立佳, 董相廷, 高续波, 等 (112)
- 水润滑轴承推力瓦块材料摩擦磨损试验研究 吴铸新, 刘正林, 王隽, 等 (118)
- 一类切换系统切换序列的优化设计 方志明, 向峥嵘 (124)

ACTA ARMAMENTARII

(Monthly)

Vol. 32 No. 1 Jan. 2011

Series No. 166

CONTENTS

Investigation on Dynamic Response of Sandwich Plate to the Impact of Cellular Metallic Projectile	SONG Yan-ze, WANG Zhi-hua, ZHAO Long-mao, et al (1)
Theoretical Research on Structures and Detonation Performance for Nitro Derivatives of Triazole	LEI Feng-bin, ZHU Jia-ping, CAO Duan-lin (8)
Method for Solving Integrated Evaluation Problems of Multi-criteria Indicator Based on Diversity Projection	LI Ming-hui, XIA Jing-bo, HAN Zhong-xiang, et al (17)
The Effect of Phase Difference of Linear Signal and the Control Signal on the Periodical Mean Force	WANG En-de, ZHU Feng, XIAO Yang-hui, et al (23)
Research on Effect of Seeker Disturbance Rejection Rate with Phase Lag on Stability of Parasitical Loop	DU Yun-li, XIA Qun-li, QI Zai-kang (28)
Error Analysis and Compensation Methods for Geomagnetic Signal Detection System	HUANG Xue-gong, WANG Jiong (33)
Numerical Simulation and Performance Analysis on Start Process of Missile Turbojet Engine Windmill	YANG Xin-yi, SHEN Wei, LIU Hai-feng, et al (37)
Fuzzy Logic Adaptive Compensation Control of End-effect Motion and Flexible Vibration for Space-based Flexible Manipulator	LIANG Jie, CHEN Li (45)
Effect of Loading Rate on Dynamic Fracture Behavior of Mg-8% Li Alloy	SHA Gui-ying, YU Tao, WANG Hong-shun, et al (58)
Optimization Method of Heat Treatment Parameters for Austempered Ductile Iron	WANG Hong, GUO Xu-hong, WANG Wei (63)
Instantaneous Correlation Integral Algorithm and Application in the Detection of the Line Spectrum	ZHANG Guang-pu, LIANG Guo-long, FAN Zhan, et al (69)
Theoretical Calculation and Experimental Study of Load Sharing for Double Helical Gears	WANG Cheng, FANG Zong-de, JIA Hai-tao (74)
A New Fusion Method for Conflicting Evidence	PENG Ying, SHEN Huai-rong, MA Yong-yi (78)
Mechanism Dynamics for Satellite Antennas Based on Spatial Operator Algebra Theory	YOU Bin-di, ZHAO Zhi-gang, WEI Cheng, et al (85)
Target Tracking Based on Modified Particle Filter Algorithm in Clint Noise Environment	LIU Wang-sheng, LI Ya-an (91)

Research Notes

Parametric Design on High Speed Aerocraft Composite Heat Insulation Layer Based on Genetic Algorithm	LIU Feng, LIN Bin, WANG Zhan-bin (96)
Design of Multi-point Ring Initiator for Shaped Charge	DUAN Zhuo-ping, WEN Li-jing, SHEN Jian, et al (101)
Effect of Structure Characteristic Parameters and Strain Rate on the Compressive Mechanical Properties of Aluminum Foams	WANG Yong-gang, WANG Chun-lei (106)
Synthesis and Characterization of BaFe ₁₂ O ₁₉ Nanofibres Via an Electrospinning Technique	FAN Li-jia, DONG Xiang-ting, GAO Xv-bo, et al (112)
Research on Friction and Wear Testing of Pad Materials of Water-lubricated Thrust Bearings	WU Zhu-xin, LIU Zheng-lin, WANG Jun, et al (118)
Optimal Switching Sequence for a Kind of Switched Systems	FANG Zhi-ming, XIANG Zheng-rong (124)