

TABLE OF CONTENTS

目 录

绝缘横梁压制成型过程温度场模拟与分析

Simulation and Analysis of Temperature Field in the Compression Forming of Insulating Crossbeam

陈少克, 孔嘉斌.....1

船用折叠式舱口盖液压系统故障树分析

Fault Tree Analysis of Hydraulic System of Marine Folding Hatch Cover

郭靖, 王昊, 徐扬.....13

美军武器装备维修与健康管理技术发展分析

Research on the Development of Health Management and Maintenance Technology for American Military Equipment

靳莹, 赵秀玉, 乔新勇, 顾程.....20

激光选区熔化制备外太空轻质钻具的研究进展

Research Progress of Selective Laser Melting to Fabricate Outer Space Lightweight Drilling Tools

胡宇博, 黄西娜, 丁首斌.....33

基于 MATLAB 的近似直线机构的解析分析与实现

Analysis and Implement of an Approximate Straight-Line Mechanism Based on MATLAB

李克勤, 姜翠香.....44

基于 PLC 的自动化柔性夹具设计

Design of Automatic Flexible Fixture Based on PLC

揭晓.....52

基于网格辅助技术的车轴强度计算与可视化方法

The Calculation and Visualization Method of the Rail Vehicle's Axle Strength Based on Grid Assisted Technology

徐德山, 付茂海, 安琪, 刘思达, 张家梁.....60

基于深度神经网络的旋转机械故障预测模型的研究

Research on Fault Prediction Model of Rotating Machinery Based on Deep Neural Network

潘莉丽, 饶楚楚.....68

某船用低压叶片泵顺序阀流场及动态特性仿真优化 CFD and Dynamic Simulating Optimization of Sequence Valve in Marine Low Pressure Vane Pump	
吴建磊, 朱江森, 赵天梁, 袁艳艳.....	74
玉米收获机械化技术研究进展 Research Progress of Corn Harvest Mechanization Technology	
程永辉, 黄彪, 褚澳, 王星博, 陈玮珩.....	83
基于布局优化的转子车间生产效率提升研究 Production Efficiency Improvement of Workshop Based on Layout Optimization	
刘俊艳, 李栋, 王畅, 钱雨希, 刘芑宇.....	92
基于 DOE 的液力变矩器进出口角对性能的影响分析 Analysis of the Influence of the Inlet and Outlet Angles of the Torque Converter on Performance Based on DOE	
曾星, 张涛.....	104
超声振动对 H13 钢表面激光熔覆 TiC 增强 Cr12MoV 的影响 Effect of Ultrasonic Vibration on Laser Cladding TiC Enhanced Cr12MoV on H13 Steel Surface	
靳继波, 李金华, 姚芳萍.....	113
STEP 格式钣金模型特征识别 Feature Recognition for Sheet Metal Model in STEP Format	
吴祥宇, 王雪飞, 华顺刚.....	121