

TABLE OF CONTENTS 目 录

Magnetic Field Optimization of Magnetorheological Jet Polishing Tool for Complex Smooth Surfaces
(复杂光滑曲面的磁射流工具磁场优化)

M. HU, Y. P. FENG, Z. Y. WANG, H. YANG, H. B. CHENG.....431

Design and Research of an Automatic Traffic Cone Recovery Device
(一种交通锥自动回收装置的设计研究)

J. Z. SUN, Y. X. GU, D. N. YIN, S. YANG.....441

Optimization of a Real-Time Detection Algorithm for Surface Defects of Ceramic Tiles
(一种陶瓷砖表面缺陷实时检测算法的优化)

H. Y. XIANG, X. Y. WANG, C. J. LENG, J. Y. PAN.....448

Research on Constant Frequency Vibration Fatigue of Fender Bracket Based on Bench Test and Finite Element Analysis

(结合台架试验的挡泥板支架定频疲劳有限元分析方法研究)

Y. Q. GU, B. LIU, Y. WANG.....457

Structural Topology Optimization Based on the Improved Hybrid Filter Method

(基于混合式过滤策略的结构拓扑优化方法)

H. B. OUYANG.....466

One Kind of New Split-Type Cab Structure Design and Analysis for Agriculture Harvesting Machine

(一种农用收割机新型分体驾驶室的结构设计与分析)

J. P. LIN, L. H. CEN.....476

Practice and Discussion on Welding and Heat Treatment Process of Cable Saddle of Nansha Bridge

(南沙大桥索鞍焊接及热处理工艺实践与探讨)

X. L. DONG, Y. J. CHEN, L. CHEN, Y. LIU.....484

Research on Impact Test Simulation and Random Vibration Fatigue Life of Energy Storage Cabinet

(储能柜冲击试验仿真和随机振动疲劳寿命研究)

X. D. LI, G. S. FU, Y. B. DENG, R. R. ZHAO.....491

Floor Vibration Analysis and Vibration Reduction Treatment Caused by Vibrating Screen

(振动筛引发的楼层振动分析与减振处理)

Z. Q. ZHAO, Q. DUAN, J. H. XIANG, Y. M. XIE.....500

Research on the Subjective Evaluation of Seat Short-Term Static Comfort

(短时间座椅静态舒适性主观评价研究)

H. C. LIU, Y. L. XU, X. LI, R. AI, J. D. REN.....511

**Pressure Control of High Pressure Oil Pipe Based on Balance of Supply and Injection
(基于供喷平衡的高压油管压力控制)**

M. D. Ma, Y. D. YAO, X. X. SU.....519

**Radial Load Screw Strength Check Method
(一种受径向载荷螺钉强度校核方法)**

L. D. GUO, K. H. ZHANG, Y. LI, X. B. CAO.....526