

## TABLE OF CONTENTS

### 目 录

#### **Study on Weighted Tolerance-Cost Model for Tolerance Allocation**

(用于公差设计的加权公差 - 成本模型研究)

X. Y. LI, Y. XU, Z. B. XIONG, Z. B. ZHANG, Q. B. ZHAO.....131

#### **Research on the Fatigue Life of the Oil Drill Collar**

(石油钻铤的疲劳寿命研究)

C. Y. YUAN, Y. H. CUI.....138

#### **Ship Power Equipment State Monitoring and Evaluation Research Based on Variable Threshold**

(基于变阈值的船舶动力装置状态监测与评估研究)

Z. J. CHEN, F. PAN, Z. T. WANG.....144

#### **The Design of Structure Optimization on Twin-Screw Compressor Rotors Based on the Fluid Simulation**

(基于流体仿真的双螺杆压缩机的转子结构优化设计)

Z. G. JIANG.....152

#### **Rheological Properties Analysis of Multiphase Lubricated Colloid in Hole**

(多相润滑胶体在孔中的流变特性分析)

Z. H. HAN, S. Y. LIU.....160

#### **Structure Intensity Analysis of Oil Heater Support Based on Oil Tank Sloshing**

(考虑液舱晃荡作用下燃油加热器支座强度分析)

D. M. LIU, L. CAI, Y. XIN.....164

#### **Type Selection Design and Case Analysis of Metro Vehicle Coupler**

(地铁车辆车钩选型设计及实例分析)

H. G. LI, X. W. WANG, X. J. WANG.....170

#### **Design of 5-DOF Manipulator Based on PMAC Motion Controller**

(基于 PMAC 的 5 自由度机械手的设计)

J. W. FAN, Y. J. LIU, L. CHEN, X. L. YI.....178

#### **The Characteristics Analysis of Magnetic Fluid Lubrication Colloid**

(磁流润滑胶体的传输的特性分析)

Z. H. HAN, S. Y. LIU.....185

#### **Moldflow-Based Molding Optimization Analysis on Pot Head**

(基于 Moldflow 的端套成型优化分析)

K. WANG, C. Y. WANG.....189