

## 目 次

- 超低频柔性负载伺服控制系统的半物理试验方法 ..... 赵 真, 马 超, 王 碧, 等(557)
- 利用耦合系统自由振动响应识别结构被控模态和 TMD 参数 ..... 温 青, 华旭刚, 王修勇, 等(565)
- 多项式混沌展开和最大熵原理的结构动力特性不确定性量化 ..... 万华平, 邱永敢, 钟 剑, 等(574)
- 轧机主传动系统在双源扰动作用下的动力学特性研究 ..... 吴继民, 张义方, 朱小龙, 等(581)
- 声-固耦合系统高频局部能量响应的 FEM-SmEdA 分析 ..... 王 攀, 陈 强, 李彦斌, 等(590)
- 一种逆结构滤波法的轨道车辆轮轨力识别 ..... 王明猛, 朱 涛, 王小瑞, 等(602)
- 含不同桨尖的无轴承旋翼直升机气动机械稳定性 ..... 张俊豪, 夏品奇(609)
- 水-椭圆柱体相互作用分析的精确和简化模型 ..... 王丕光, 黄义铭, 赵 密, 等(619)
- 一类弹性碰撞振动系统周期倍化分岔预测及其神经网络控制 ..... 张 惠, 卫晓娟, 丁旺才(626)
- 叶轮转子碰摩响应的分岔与稳定性 ..... 张华彪, 李欣业, 梁艳书, 等(635)
- 基于智能可穿戴设备的 Human Shaker 结构动力测试方法 ..... 陈 隽, 韩紫平, James Brownjohn(644)
- 测量模态不确定的梁式结构随机有限元模型修正 ..... 陈 辉, 张 衡, 李烨君, 等(653)
- 遗传智能采样技术的贝叶斯理论识别滑动轴承-转子系统不平衡量 ..... 毛文贵, 李建华, 刘桂萍(660)
- 油膜内外环部分接触的同心型挤压油膜阻尼器减振特性试验研究 ..... 祝长生, 毛 川(668)
- 双环永磁体型高静低动刚度隔振器设计、建模与试验研究 ..... 李 爽, 楼京俊, 杨庆超, 等(675)
- 地震模拟振动台试件与台面相互作用的力反馈补偿控制 ..... 李芳芳, 纪金豹, 李小军, 等(685)
- 北京地铁采用调频式钢轨减振器治理钢轨波磨的试验研究 ..... 刘卫丰, 张厚贵, 陈嘉梁, 等(695)
- 二维均质弹性地基 Duxseal 材料主动隔振研究 ..... 田抒平, 高 盟, 王 澄, 等(701)
- 参数随机 Lamb 波频散特性的非嵌入式多项式混沌方法 ..... 于保华, 胡小平, 杨世锡(712)
- 不均衡最大软间隔 SVDD 轴承故障检测模型 ..... 陶新民, 李晨曦, 李 青, 等(718)
- MOMED 和双谱熵在液压泵退化特征提取中的应用 ..... 田再克, 李洪儒, 王卫国, 等(730)

## CONTENTS

- Semi-physical test method of ultra-low frequency flexible load servo control system ..... ZHAO Zhen, MA Chao, WANG Bi, et al (557)
- Parameter identification of controlled structural mode and TMD based on the free vibration tests of the coupled system ..... WEN Qing, HUA Xu-gang, WANG Xiu-yong, et al (565)
- Uncertainty quantification for structural dynamic characteristics using polynomial chaos expansion and maximum entropy principle ..... WAN Hua-ping, TAI Yong-gan, ZHONG Jian, et al (574)
- Research on dynamic characteristics of main drive system in rolling mill under double source disturbance ..... WU Ji-min, ZHANG Yi-fang, ZHU Xiao-long, et al (581)
- The high-frequency local energy response for structural-acoustic coupling system by using FEM-SmEdA ..... WANG Pan, CHEN Qiang, LI Yan-bin, et al (590)
- An inverse structural filter method for wheel-rail contact forces identification of railway vehicles ..... WANG Ming-meng, ZHU Tao, WANG Xiao-rui, et al (602)
- Aeromechanical stability of bearingless rotor helicopter with different blade tip shapes ..... ZHANG Jun-hao, XIA Pin-qi (609)
- An accurate and simple added mass model for fluid-elliptical cylinder interaction analysis ..... WANG Pi-guang, HUANG Yi-ming, ZHAO Mi, et al (619)
- The doubling bifurcation prediction and RBF neural network control of a soft-impact vibration system ..... ZHANG Hui, WEI Xiao-juan, DING Wang-cai (626)
- Bifurcation and stability on the rubbing response of blade rotor system ..... ZHANG Hua-biao, LI Xin-ye, LIANG Yan-shu, et al (635)
- Human shaker modal testing technology via wearable inertial measurement units ..... CHEN Jun, HAN Zi-ping, BROWNJOHN James (644)
- Stochastic finite element model updating of beam structure based on uncertain measurement modes ..... CHEN Hui, ZHANG Heng, LI Ye-jun, et al (653)
- Bayesian theory using genetic intelligent sampling technique to identify the unbalance parameters of a sliding bearing-rotor system ..... MAO Wen-gui, LI Jian-hua, LIU Gui-ping (660)
- An experimental investigation on vibration isolation behavior of a centralized squeeze film damper with partial contact between the oil-film rings ..... ZHU Chang-sheng, MAO Chuan (668)
- Design and experiment of a vibration isolator using double-ring permanent magnets springs with negative stiffness ..... LI Shuang, LOU Jing-jun, YANG Qing-chao, et al (675)
- Force feedback compensation control of shaking table system with interaction between shaking table and specimen ..... LI Fang-fang, JI Jin-bao, LI Xiao-jun, et al (685)
- A test of treating rail corrugation by tuned rail damper for Beijing metro ..... LIU Wei-feng, ZHANG Hou-gui, CHEN Jia-liang, et al (695)
- Two dimensional analysis of Duxseal material as active vibration isolation in homogeneous elastic foundation ..... TIAN Shu-ping, GAO Meng, WANG Ying, et al (701)
- Non-intrusive polynomial chaos method for dispersion characteristics of Lamb wave considering random parameter influence ..... YU Bao-hua, HU Xiao-ping, YANG Shi-xi (712)
- Rolling bearings fault detection model using imbalanced maximum soft margin support vector domain description ..... TAO Xin-min, LI Chen-xi, LI Qing, et al (718)
- Application of MOMED and bispectral analysis to degradation feature extraction for hydraulic pumps ..... TIAN Zai-ke, LI Hong-ru, WANG Wei-guo, et al (730)