

## 目 次

- 支撑刚度对飞翼模型固有模态和体自由度颤振特性的影响 ..... 刘基海, 谷迎松, 杨智春(727)
- 考虑初始条件影响的移动荷载识别稀疏正则化方法 ..... 潘楚东, 余 岭, 刘焕林, 等(734)
- 时间约束下帆板挠性振动抑制的预测与反演控制 ..... 谭天乐(744)
- 一个类 Lorenz 混沌系统 Hopf 分岔反控制 ..... 张 良, 唐驾时(752)
- 啤酒瓶周转箱随机振动响应的实验研究 ..... 孙 君, 王志伟(759)
- 非自伴随动力学系统的工况模态分析 ..... 陈 伟, 宋汉文(772)
- 非平整曲面隔震结构的双自由度动力模型及地震响应研究 ..... 孙 实, 刘文光, 田 坤, 等(780)
- 球形储罐罐底附加黏弹性阻尼器减震研究 ..... 吕 远, 孙建刚, 孙宗光, 等(789)
- 近断层地震动作用下大底盘单塔楼隔震结构振动台试验研究 ..... 颜桂云, 肖晓菲, 吴应雄, 等(799)
- 武都盆地效应三维有限元数值模拟 ..... 章小龙, 李小军, 周正华, 等(811)
- 小振幅振动屋盖风压特性研究 ..... 张 建, 胡剑箫, 李 天, 等(821)
- 基于 Jacobi-Ritz 法的旋转组合结构自由振动特性分析 ..... 庞福振, 李海超, 霍瑞东, 等(827)
- 直升机桨叶扬起下坠过程碰撞模型影响研究 ..... 吴世杰, 韩 东, 林长亮(837)
- 滚动碰撞式调制质量阻尼器及其减振性能研究 ..... 李书进, 杨微婷, 杜政康, 等(845)
- 直井抽油杆柱在屈曲位移激励下横向振动的仿真研究 ..... 孙秀荣, 江少波, 黄有泉, 等(854)
- 势阱深度可调 bistable 电路及其在结构监测中的应用 ..... 杨 恺, 苏克玮(862)
- 固定-阻尼边界定长轴向移动绳振动的行波边界反射叠加法 ..... 陈恩伟, 张 凯, 王 军, 等(870)
- 基于时变接触刚度的球轴承双冲击现象动力学建模 ..... 罗茂林, 郭 瑜, 伍 星(875)
- 基于卷积神经网络和离散小波变换的滚动轴承故障诊断 ..... 陈仁祥, 黄 鑫, 杨黎霞, 等(883)
- 流形学习和 M-KH-SVR 的滚动轴承衰退预测 ..... 许 迪, 葛江华, 王亚萍, 等(892)
- 基于改进排列熵的滚动轴承故障特征提取 ..... 陈祥龙, 张兵志, 冯辅周, 等(902)

## CONTENTS

- Influence of support stiffness on natural mode and body freedom flutter characteristics of a flying wing model ..... LIU Ji-hai, GU Ying-song, YANG Zhi-chun (727)
- Sparse regularization based moving force identification under unknown initial conditions ..... PAN Chu-dong, YU Ling, LIU Huan-lin, et al (734)
- Model predictive and inversive control with timing constraint for flexible vibration suppression of solar arrays ..... TAN Tian-le (744)
- Anti-control of Hopf bifurcation for a Lorenz-like chaotic system ..... ZHANG Liang, TANG Jia-shi (752)
- Experimental investigation of dynamic response of beer bottle-turnover boxes in random vibration ..... SUN Jun, WANG Zhi-wei (759)
- Operational modal analysis of non-self-adjoint dynamic system ..... CHEN Wei, SONG Han-wen (772)
- Study on two-degree-of-freedom dynamic model and seismic response of uneven curved-surface isolated structure ..... SUN Shi, LIU Wen-guang, TIAN Kun, et al (780)
- Research on the vibration absorption of viscoelastic dampers on the bottom of a spherical tank ..... LÜ Yuan, SUN Jian-gang, SUN Zong-guang, et al (789)
- Shaking table test of isolated single-tower structures with a large chassis under near-fault ground motions ..... YAN Gui-yun, XIAO Xiao-fei, WU Ying-xiong, et al (799)
- Three-dimensional simulations of seismic-wave propagation in the Wudu basin with realistic topography based upon the finite-element method ..... ZHANG Xiao-long, LI Xiao-jun, ZHOU Zheng-hua, et al (811)
- Wind pressure analysis of small-amplitude vibrating roof ..... ZHANG Jian, HU Jian-xiao, LI Tian, et al (821)
- Jacobi-Ritz method for analysis of free vibration characteristics of combined shells in revolution ..... PANG Fu-zhen, LI Hai-chao, HUO Rui-dong, et al (827)
- The effect of contact models between the blade and droop stop on the dynamic response of the blade droop stop impact ..... WU Shi-jie, HAN Dong, LIN Chang-liang (837)
- Study on a pounding tuned rotary mass damper and its vibration reduction performance ..... LI Shu-jin, YANG Wei-ting, DU Zheng-kang, et al (845)
- Simulation research of transverse vibration of sucker rod string under buckling deformation excitation in vertical wells ..... SUN Xiu-rong, JIANG Shao-bo, HUANG You-quan, et al (854)
- Bistable circuitry with tunable potential well depth and its application to structural detection ..... YANG Kai, SU Ke-wei (862)
- A superposition method for vibration of travelling string with constant length based on moving waves reflected at fixed-dashpot boundaries ..... CHEN En-wei, ZHANG Kai, WANG Jun, et al (870)
- Dynamic modeling for double impulses behavior of a spalled ball bearing based on time-varying contact stiffness ..... LUO Mao-lin, GUO Yu, WU Xing (875)
- Rolling bearing fault identification based on convolution neural network and discrete wavelet transform ..... CHEN Ren-xiang, HUANG Xin, YANG Li-xia, et al (883)
- Prediction for rolling bearing performance degradation based on manifold learning and M-KH-SVR ..... XU Di, GE Jiang-hua, WANG Ya-ping, et al (892)
- Fault feature extraction of rolling bearings based on an improved permutation entropy ..... CHEN Xiang-long, ZHANG Bing-zhi, FENG Fu-zhou, et al (902)