

## 目 次

- 径向基神经网络用于钢-混II型梁原始断面涡振性能的预测 李加武, 党嘉敏, 吴拓, 等(1)
- 运营状态斜拉桥考虑拉索涡激振动的钢锚箱疲劳实测研究 祝志文, 李健鹏, 蔡晶垚, 等(9)
- 主动转动惯量驱动系统用于悬吊结构摆振控制的方法研究(I):理论建模和试验验证  
..... 张春巍, 王昊(20)
- 黏滞阻尼器考虑激励频率影响的附加阻尼比简化计算 杜东升, 刘言杰, 徐庆阳(29)
- 动力荷载下传统风格建筑双梁-柱节点抗震性能试验研究 薛建阳, 马林林, 隋龑, 等(38)
- 非经典阻尼分布参数系统复振型叠加方法 陈华霆, 谭平(48)
- 考虑叶片停机位置大型风力机塔架风-沙致结构响应分析 柯世堂, 董依帆(60)
- 轨道-箱梁结构振动传递的模型试验研究 欧开宽, 罗锐, 雷晓燕(72)
- 2.5D有限元建模关键问题——边界条件、网格划分及计算域选取 王瑞, 胡志平, 任翔, 等(80)
- 车辆撞击作用下泡沫铝防撞桥墩的动态响应特性 张于晔, 潘睿阳, 蒋冬启(89)
- 考虑结构柔性的多级齿轮箱变速过程动态特性研究 许华超, 秦大同, 刘长钊, 等(99)
- 低振动旋翼桨尖代理优化设计 邓旭东, 高乐, 邓景辉(108)
- 非线性电磁振动能量采集的辨识研究 吴鹏飞, 袁天辰, 杨俭(116)
- 间接激励压电发电机的建模仿真与试验研究 王淑云, 朱雅娜, 阙君武, 等(127)
- 数据驱动下孪生贝叶斯理论非齐次泊松过程的结构损伤评估方法 朱林, 陈敏, 贾民平, 等(134)
- 利用振动响应协方差参数和数据融合的损伤识别方法 李雪艳, 刘力菖(141)
- 少量测点条件下提高结构法向振速重建精度和分辨率的方法 聂永发, 朱海潮(150)
- 压电宏纤维致动器的双极性非对称迟滞建模及补偿控制 徐金秋, 娄军强, 杨依领, 等(159)
- 混合轴承多跨转子多频轴承传递力自适应控制 徐晖, 祝长生(166)
- 两自由度含弹性约束碰撞振动系统共存吸引子转迁控制研究 李得洋, 丁旺才, 丁杰, 等(176)
- 双边刚性约束非光滑双摆的碰撞周期解 郭秀英, 张刚, 田瑞兰(185)
- 改进均衡分布适配的滚动轴承寿命阶段识别 吴昊年, 陈仁祥, 胡小林, 等(194)
- 强背景噪声振动信号中滚动轴承故障冲击特征提取 刘湘楠, 赵学智, 上官文斌(202)
- 一种应用改进符号序列熵与滑动窗奇异值的退化特征提取方法 王微, 王冰, 胡雄, 等(211)

## CONTENTS

- Radial basis function networks used in prediction of vortex-induced vibration of II-shape bridge-decks ..... LI Jia-wu, DANG Jia-min, WU Tuo, et al( 1 )
- Field investigation on fatigue of steel anchor box in cable-stayed bridge under in-service condition considering vortex-induced cable vibration ..... ZHU Zhi-wen, LI Jian-peng, Cai Jing-yao, et al( 9 )
- Structural pendulum vibration control methods based on Active Rotary Inertia Driver (ARID) system ( I ): Theoretical modeling and experimental verification ..... ZHANG Chun-wei, WANG Hao( 20 )
- Simplified calculation of supplemental damping ratio of viscous damper considering excitation frequency ..... DU Dong-sheng, LIU Yan-jie, XU Qing-yang( 29 )
- Experimental research on the seismic performance of dual-lintel column joints in traditional style buildings under dynamic loading ..... XUE Jian-yang, MA Lin-lin, SUI Yan, et al( 38 )
- Complex mode superposition method for distributed-parameter systems with non-classical damping ..... CHEN Hua-ting, TAN Ping( 48 )
- Analysis of wind-sand-induced structural response of large wind turbine considering the position of blades ..... KE Shi-tang, DONG Yi-fan( 60 )
- Model test study on vibration transmission of track-box girder structure ..... OU Kai-kuan, LUO Kun, LEI Xiao-yan( 72 )
- Key issues in modeling process of 2.5D finite element method——boundary conditions, meshing and computing range selection ..... WANG Rui, HU Zhi-ping, REN Xiang, et al( 80 )
- Dynamic response characteristics of the bridge piers with aluminum foam anti-collision devices under vehicle impact ..... ZHANG Yu-ye, PAN Rui-yang, JIANG Dong-qi( 89 )
- Dynamic characteristics of the multi-stage gearbox considering structural flexibility during the variable speed process ..... XU Hua-chao, QIN Da-tong, LIU Chang-zhao, et al( 99 )
- Rotor blade tip shape optimization for vibration reduction based on surrogate model ..... DENG Xu-dong, GAO Le, DENG Jing-hui( 108 )
- System identification of single-DOF electromagnetic vibration energy collector ..... WU Peng-fei, YUAN Tian-chen, YANG Jian( 116 )
- Performance analysis and test of a piezoelectric energy harvester based on indirect excitation ..... WANG Shu-yun, ZHU Ya-na, KAN Jun-wu, et al( 127 )
- Data driven structural damage assessment approach by the twin of Bayesian theory non-homogeneous Poisson process ..... ZHU Lin, CHEN Min, JIA Min-ping, et al( 134 )
- Adoption of vibration response covariance and data fusion for damage identification ..... LI Xue-yan, LIU Li-chang( 141 )
- Method of improving accuracy and spatial resolution of structure normal velocity reconstruction with a small amount of measurement points ..... NIE Yong-fa, ZHU Hai-chao( 150 )
- Modeling and feedforward comprehension control on the bipolar asymmetric hysteresis of marco fiber composite (MFC) actuators ..... XU Jin-qi, LOU Jun-qiang, YANG Yi-ling, et al( 159 )
- Adaptive control of multi-frequency bearing transmission force of multi-span rotors with hybrid bearings ..... XU Hui, ZHU Chang-sheng( 166 )
- Attractor migration control of a two-degree-of-freedom vibro-impact system with soft constraints ..... LI De-yang, DING Wang-cai, DING Jie, et al( 176 )
- Impact periodic solution of a non-smooth double pendulum with bilateral rigid constraint ..... GUO Xiu-ying, ZHANG Gang, TIAN Rui-lan( 185 )
- Life stage identification of rolling bearing based on improved BDA method ..... WU Hao-nian, CHEN Ren-xiang, HU Xiao-lin, et al( 194 )
- The impact features extraction of rolling bearing under strong background noise ..... LIU Xiang-nan, ZHAO Xue-zhi, SHANGGUAN Wen-bin( 202 )
- A kind of degradation feature extraction using improved symbolic sequence entropy and sliding window singular value ..... WANG Wei, WANG Bing, HU Xiong, et al( 211 )