

振动工程学报

JOURNAL OF VIBRATION ENGINEERING



第35卷 第2期 Vol.35 No.2 2022

ISSN 1004-4523

CODEN ZXUEEA

黏滞阻尼器联合负刚度对斜拉索减振控制的增效研究



振
动
工
程
学
报

第
三
十
五
卷
第
二
期

二
〇
二
二
年
四
月

(0255-0523)

CONTENTS

- Performance enhancement of the viscous damper combined with the negative stiffness device for cable vibration controlGAO Hui, WANG Hao, WANG Zhi-hao, et al(255)
- Damage control oriented damping ratio analytical calculation and performance design of damping structure systemWANG Bao-shun, HE Hao-xiang, YAN Wei-ming(264)
- Experimental study of static wind force on typical equal angle steels under skew winds with different inclined angles.....ZHANG Qing-hua, MA Wen-yong, YANG Jie, et al(277)
- Wind tunnel test studies on the influences of wind barrier on the aerodynamic characteristics of trains on a highway and railway same-story bridgeLIU Ye, HAN Yan, HU Peng, et al(284)
- Random vibration fatigue curve and accelerated vibration test technology of transport packageWANG Zhi-wei, LIU Bo, WANG Li-jun(297)
- Structure probabilistic seismic risk analysis based on fuzzy failure criteria under multidimensional performance limit statesJIA Da-wei, WU Zi-yan, HE Xiang(307)
- Influence of coherent bridge deck excitation from different wheels of an extra-heavy truck on random vibration of a cable-stayed bridgeCHEN Shui-sheng, ZHAO Hui, LI Jin-hua, et al(318)
- Improved wind-induced fragility assessment method of offshore wind turbines under typhoon and its applicationHUANG Guo-qing, ZHAO Chen-xu, ZHOU Xu-hong, et al(331)
- Frequency domain calculation method for transient response of a jacket offshore substationYUAN Jian-ping, SUN Zhen-zhou, CHEN Jie-feng, et al(342)
- Multi-objective sensor optimal placement for structural health monitoring based on Pareto artificial fish swarm algorithmZHANG Xiao-hua, WU Sheng-bin, FANG Sheng-en, et al(351)
- Efficient time-frequency hybrid method for predicting the subway train induced vibrations of tunnel and groundWANG Li-dong, ZHU Zhi-hui, HAN Yan, et al(359)
- Parameter design and dynamic response study of a high-order tuning gearZHANG Jia-xiong, WEI Jing, ZHANG Chun-peng, et al(369)
- Localization of vibration on a framed cylindrical shell with mass disorderly configuredJI Gang, ZHAO Peng, ZHOU Qi-dou(379)
- Electricity-structure-fluid coupled vibration of underwater elastic cantilever with partially bonded Macro Fiber Composite(MFC) actuatorsGU Ting, LOU Jun-qiang, YANG Yi-ling, et al(387)
- Double-degree-of-freedom magnetic levitation vibration energy harvester of the axle box for a railway vehicleLI Zhe-hui, YUAN Tian-chen, YANG Jian, et al(397)
- Parameter optimization and performance analysis of vibration mitigation systems with inertia and lever components.....ZHOU Zi-bo, SHEN Yong-jun, XING Hai-jun, et al(407)
- Dynamic characteristics and algorithm of an electromagnetic-hydraulic active-passive vibration isolatorZHANG Qing-wei, YU Xiang, YAN Zheng-tao, et al(417)
- Dual degrees of freedom resonance muffler and its controlCHEN Long-hu, LÜ Hai-feng, GUO Jun-na, et al(426)
- Feature proxy and convex optimization reconstruction algorithm for rolling bearing compressed fault signalLIN Hui-bin, DENG Li-fa(434)
- A deep convolutional dynamic adversarial transfer network for spindle bearing fault diagnosisLI Ji-pu, HUANG Ru-yi, CHEN Zhu-yun, et al(446)
- Rolling bearing fault diagnosis method based on improved wavelet threshold denoisingCAO Ling-ling, LI Jing, PENG Zhen, et al(454)
- Nonlinear dynamic analysis of a panel subjected to oscillating oblique shock.....YE Liu-qing, YE Zheng-yin(464)
- Reduced-order modeling research for hypersonic aerothermoelastic analysisYAN Xiao-xuan, HAN Jing-long, MA Rui-qun(475)
- The reduced-order continuum model of the ring-shaped supported truss structure of the mesh antennaWU Rui-qin, ZHU Wei, ZHANG Wei, et al(487)
- Coupling dynamics and dimensionless analysis of a planar membrane structureZHANG Yue, CONG Qiang, LIU Rong-qiang, et al(495)
- Noise reduction of a double-layer stiffened plate-cavity system based on acoustic black hole principleWANG Xiao-dong, JI Hong-li, QIU Jin-hao(503)
- Vibro-acoustic characteristics of trapezoidal and triangular corrugated sandwich panelsLI Feng-lian, YUAN Wen-hao, LÜ Mei(514)

目 次

黏滞阻尼器联合负刚度对斜拉索减振控制的增效研究 部 辉, 王 浩, 汪志昊, 等(255)

面向损伤控制的减震结构体系阻尼比解析计算及性能设计 王宝顺, 何浩祥, 闫维明(264)

不同风倾角下典型等边角钢静风力风洞试验研究 张庆华, 马文勇, 杨 杰, 等(277)

风屏障对平层公铁桥上列车气动特性影响的风洞试验研究 刘 叶, 韩 艳, 胡 朋, 等(284)

运输包装随机振动疲劳曲线及加速振动试验技术 王志伟, 刘 博, 王立军(297)

多维性能极限状态下基于模糊失效准则的结构概率地震风险分析 贾大卫, 吴子燕, 何 乡(307)

特重车各轮相干桥面激励对斜拉桥随机振动的影响 陈水生, 赵 辉, 李锦华, 等(318)

改进的台风下单桩海上风机易损性分析方法及应用 黄国庆, 赵晨旭, 周绪红, 等(331)

导管架式海上升压站初始条件下瞬态响应频域计算方法研究 袁建平, 孙震洲, 陈杰峰, 等(342)

采用 Pareto 人工鱼群算法的结构健康监测传感器位置多目标优化 张笑华, 吴圣斌, 方圣恩, 等(351)

地铁车致隧道与土体振动的高效时-频混合预测方法 王力东, 朱志辉, 韩 艳, 等(359)

高阶调谐齿轮参数设计及动态响应研究 张佳雄, 魏 静, 张春鹏, 等(369)

质量无序配置加筋圆柱壳的振动局域化 纪 刚, 赵 鹏, 周其斗(379)

局部粘贴压电宏纤维致动器的水下弹性结构机-电-液耦合振动特性 顾 霆, 娄军强, 杨依领, 等(387)

磁悬浮式双自由度轨道车辆轴箱振动能量采集器研究 李哲辉, 袁天辰, 杨 俭, 等(397)

含惯容和杠杆元件的减振系统参数优化及性能分析 周子博, 申永军, 邢海军, 等(407)

电磁液压主被动复合隔振器动力学特性及算法研究 张庆伟, 俞 翔, 闫政涛, 等(417)

双自由度共振消声器及其控制研究 陈龙虎, 吕海峰, 郭俊娜, 等(426)

滚动轴承压缩故障信号的特征代理与凸优化重构算法 林慧斌, 邓立发(434)

一种用于主轴轴承故障诊断的深度卷积动态对抗迁移网络 李霖蒲, 黄如意, 陈祝云, 等(446)

基于改进小波阈值降噪的滚动轴承故障诊断方法 曹玲玲, 李 晶, 彭 镇, 等(454)

飞行器结构振动与噪声

振荡激波作用下壁板的非线性动力学特性分析 叶柳青, 叶正寅(464)

高超声速气动热弹性分析降阶研究 晏筱璇, 韩景龙, 马瑞群(475)

网架式天线环状支撑桁架结构连续体降阶模型研究 吴瑞琴, 祝 巍, 张 伟, 等(487)

平面薄膜结构耦合动力学特性研究与无量纲分析 张 月, 从 强, 刘荣强, 等(495)

声学黑洞原理的双层加筋板-腔系统降噪研究 王小东, 季宏丽, 裘进浩(503)

梯形和三角形波纹夹芯板的声振特性研究 李凤莲, 袁文昊, 吕 梅(514)