

ISSN 1004-4523  
CODEN ZXUEEA

# 振动工程学报

JOURNAL OF VIBRATION ENGINEERING

第26卷 第2期  
Vol.26 No.2



2  
2013

ISSN 1004-4523



9 771004 452072

中国振动工程学会主办

## 目 次

- 数字滤波器群时延对颤振控制系统稳定性的影响 ..... 于明礼, 胡海岩(153)  
船用柴油发电机组主动减振试验研究 ..... 杨铁军, 李新辉, 朱明刚, 等(160)  
区间参数压电智能桁架结构/控制的多目标非概率可靠性拓扑优化 ..... 徐斌, 赵普猛, 黎莹(169)  
非平稳地震下巨子型有控结构非线性随机振动研究 ..... 吴昊, 张洵安, 张军(178)  
螺栓联接梁结构结合部非线性特性参数辨识 ..... 孙伟, 李星占, 韩清凯(185)  
转向架稳态曲线运行的混沌行为 ..... 高学军, 李映辉, 乐源(192)  
桥梁自激力的状态空间模型的时频特性 ..... 郭增伟, 葛耀君(199)  
台风风场下角钢塔风振特性风洞试验研究 ..... 楼文娟, 蒋莹, 金晓华, 等(207)  
济南奥体馆屋盖结构风振响应和等效静力风荷载 ..... 柯世堂, 陈少林, 葛耀君(214)  
人体跳跃及落地激励下的楼板动力响应研究 ..... 何浩祥, 闫维明(220)  
特高压干式平波电抗器的抗震性能试验研究 ..... 范书立, 陈健云, 李静(226)  
微重力下颗粒阻尼特性仿真研究 ..... 姚冰, 陈前(232)  
平面3-RRR柔性并联机器人动力学建模与分析 ..... 张清华, 张宪民(239)  
含关节滚动轴承的多体系统碰撞动力学研究 ..... 许立新, 李永刚(246)  
滚动轴承故障诊断的阶比多尺度形态学解调方法 ..... 徐亚军, 于德介, 孙云嵩, 等(252)  
转定子静态不对中条件下碰摩故障仿真 ..... 马辉, 太兴宇, 牛和强, 等(260)  
小波相关排列熵和HMM在故障预测中的应用 ..... 冯辅周, 司爱威, 江鹏程(269)  
船体低噪声复合基座水下振动声辐射试验研究 ..... 计方(277)  
声学灵敏度分析的分布源边界点法理论及实验研究 ..... 陈立涛, 陈剑, 张炳荣(283)  
船舶噪声源的传递率矩阵识别方法及试验验证 ..... 张磊, 曹跃云, 杨自春, 等(291)  
复杂腔体四极子矩阵的三维CFD计算方法 ..... 刘联鳌, 郝志勇, 郑旭(298)

## CONTENTS

- Effects of group delay in digital filter on stability of an active flutter suppression system ..... YU Ming-li, HU Hai-yan(153)
- Experimental investigation of active vibration control for diesel engine generators in marine applications ..... YANG Tie-jun, LI Xin-hui, ZHUMING-gang, et al(160)
- Multi-objective optimization for structural topology and control of piezoelectric smart truss with interval parameter considering non-probability reliability constrains ..... XU Bin, ZHAO Pu-meng, LI Ying(169)
- Nonlinear random vibration analysis of mega-sub controlled structure subjected to non-stationary seismic excitation ..... WU Hao, ZHANG Xun-an, ZHANG Jun(178)
- Nonlinear joint parameter identification for bolted beam structure ..... SUN Wei, LI Xing-zhan, HAN Qing-kai(185)
- Chaotic behaviors of a railway bogie in curve motion ..... GAO Xue-jun, LI Ying-hui, YUE Yuan(192)
- Time and frequency response characteristics of self-excited force of bridge in state space domain ..... GUO Zeng-wei, GE Yao-jun(199)
- Wind tunnel test research on wind-induced vibration characteristics of angle steel tower in typhoon field ..... LOU Wen-juan, JIANG Ying, JIN Xiao-hua, et al(207)
- Wind-induced response and equivalent static wind load for suspended dome roof structure of Jinan Olympic Sports Hall ..... KE Shi-tang, CHEN Shao-lin, GE Yao-jun(214)
- Floor vibrations induced by human jumping and landing ..... HE Hao-xiang, YAN Wei-ming(220)
- Experimental investigation on aseismic behavior of ultra-high voltage dry type smoothing reactor ..... FAN Shu-li, CHEN Jian-yun, LI Jing(226)
- Simulation study on micro-gravity behavior of particle dampers ..... YAO Bing, CHEN Qian(232)
- Dynamic modeling and analysis of planar 3-RRR flexible parallel robots ..... ZHANG Qing-hua, ZHANG Xian-min(239)
- A study on impact dynamics of multibody systems with rolling element bearing joints ..... XU Li-xin, LI Yong-gang(246)
- Roller bearing fault diagnosis using order multi-scale morphology demodulation ..... XU Ya-jun, YU De-jie, SUN Yun-song, et al(252)
- Rub-impact fault simulation of a rotor system under static misalignment conditions ..... MA Hui, TAI Xing-yu, NIU He-qiang, et al(260)
- Application of wavelet correlation permutation entropy and hidden Markov model to fault prognostic ..... FENG Fu-zhou, SI Ai-wei, JIANG Peng-cheng(269)
- Underwater vibration and sound radiation test for composite low-noise hull base ..... JI Fang(277)
- Theoretical and experimental investigation of the distributed source boundary point method for acoustic sensitivity analysis ..... CHEN Li-tao, CHEN Jian, ZHANG Bing-rong(283)
- Transmissibility matrix method for identification of ship noise source and corresponding test verification ..... ZHANG Lei, CAO Yue-yun, YANG Zi-chun, et al(291)
- A three-dimensional CFD computation method of the 4-pole matrix for complex chamber ..... LIU Lian-yun, HAO Zhi-yong, ZHENG Xu(298)