

ISSN 1004-4523

CODEN ZXUEEA

振动工程学报

JOURNAL OF VIBRATION ENGINEERING

第26卷 第4期

Vol.26 No.4



4

2013

中国振动工程学会主办

ISSN 1004-4523



目次

| | |
|------------------------------------|-----------------------|
| 考虑敏感性和鲁棒性相协调的多维传感器优化布置方法 | 伊廷华, 王相, 李宏男(467) |
| 索网玻璃幕墙结构抗震性能研究 | 冯若强, 王鑫, 叶继红(477) |
| 高层隔震结构多阶振型减震机理与倾覆问题研究 | 祁皓, 徐翔(487) |
| 高耸结构动力特性分析的 Adomian 分解法 | 陈鑫, 李爱群, 程文灏, 等(493) |
| 振动台混合试验平台的验证性研究 | 周惠蒙, 吴斌(500) |
| 利用强震记录识别场地的总体非线性动力特性 | 梁建文, 何颖(506) |
| 环形桁架结构动力分析的等效力学模型 | 刘福寿, 金栋平, 陈辉(516) |
| 平行双幅斜拉桥涡振特性气弹模型试验研究 | 周奇, 朱乐东(522) |
| 路面破损的桥梁在车辆作用下冲击系数分析 | 殷新锋, 刘扬, 彭晖, 等(531) |
| 桥上移动车辆车轴识别小波变换方法 | 王宁波, 任伟新, 贺文宇(539) |
| 人行天桥结构振动舒适度量化与振动特性实测研究 | 冯鹏, 金飞飞, 叶列平, 等(545) |
| 深空探测气囊着陆缓冲系统的原理样机冲击动力学相似问题研究 | 何欢, 何成, 陈国平, 等(554) |
| 引入各向同性虚拟材料的固定结合部模型 | 田红亮, 刘芙蓉, 方子帆, 等(561) |
| 利用桨叶后缘小翼运动的旋翼桨毂振动载荷优化控制 | 王荣, 夏品奇(574) |
| CFD/CSD 耦合声气动弹性时域仿真研究 | 裴曦, 徐敏, 韩冰(583) |
| 板簧支撑结构的三自由度超声波电机驱动模型研究 | 傅平, 郭吉丰, 胡锡幸(591) |
| 带钢-辊子-柔性支承混杂系统动力学建模与耦合振动研究 | 王洋, 许飞, 李勇, 等(599) |
| VPMCD 和改进 ITD 的联合智能诊断方法研究 | 杨宇, 李杰, 潘海洋, 等(608) |
| 基于近场声全息声像图纹理特征的机械故障诊断方法 | 鲁文波, 蒋伟康, 潘思伟, 等(617) |
| 大型振动筛弹簧故障识别的自由响应法 | 刘初升, 彭利平, 王宏, 等(624) |
| 锚固边坡地震动力稳定性计算方法 | 董建华, 朱彦鹏, 马巍(633) |

CONTENTS

Optimal multi-dimensional sensor placement in consideration of the coordination of sensitivity and robustness *YI Ting-hua, WANG Xiang, LI Hong-nan* (467)

Seismic behavior of cable net facade *FENG Ruo-qiang, WANG Xin, YE Ji-hong* (477)

Research on multi-modal damping effect and overturning problem of high-rise isolated buildings *QI Ai, XU Xiang* (487)

The Adomian decomposition method for dynamic characteristics of high-rise buildings *CHEN Xin, LI Ai-qun, CHENG Wen-rang, et al* (493)

Validation study of shaking table hybrid test platform *ZHOU Hui-meng, WU Bin* (500)

Using strong earthquake recordings to estimate overall nonlinearity of sites *LIANG Jian-wen, HE Ying* (506)

An equivalent mechanics model for the dynamic analysis of hoop truss structures *LIU Fu-shou, JIN Dong-ping, CHEN Hui* (516)

Study on vortex-induced oscillation of parallel bridge with twin-decks via aeroelastic model test *ZHOU Qi, ZHU Le-dong* (522)

Impact factors of a bridge with poor road roughness under moving vehicular loads *YIN Xin-feng, LIU Yang, PENG Hui, et al* (531)

Wavelet transform method for identification of vehicle axles on a bridge *WANG Ning-bo, REN Wei-xin, HE Wen-yu* (539)

Quantification of pedestrian's comfort level and dynamic properties of footbridge vibration based on in-situ measurement *FENG Peng, JIN Fei-fei, YE Lie-ping, et al* (545)

Similarity problem of the impact response of the deep space exploration airbag cushion landing system and its prototype *HE Huan, HE Chen, CHEN Guo-ping, et al* (554)

Immovable joint surface's model using isotropic virtual material *TIAN Hong-liang, LIU Fu-rong, FANG Zi-fan, et al* (561)

Optimal control of rotor hub vibration loads by using motion of trailing edge flap *WANG Rong, XIA Pin-qi* (574)

CFD/CSD coupling aeroelastic-acoustics research in time domain *PEI Xi, XU Min, HAN Bing* (583)

A novel type of 3DOF spherical traveling-wave type ultrasonic motor based on a spiral form of spring *FU Ping, GUO Ji-feng, HU Xi-xing* (591)

Dynamic modeling and coupling vibration analysis of hybrid systems consisting of strip, rolls and flexible supports *WANG Yang, XU Fei, LI Yong, et al* (599)

Research on combined intelligent diagnostic method based on VPMCD and improved ITD *YANG Yu, LI Jie, PAN Hai-yang, et al* (608)

Mechanical fault diagnosis based on texture features of acoustic images by near-field acoustic holography *LU Wen-bo, JIANG Wei-kang, PAN Si-wei, et al* (617)

Fault identification for spring of large vibrating screen using free response *LIU Chu-sheng, PENG Li-ping, WANG Hong, et al* (624)

Dynamic stability calculation method for anchor slope under earthquake *DONG Jian-hua, ZHU Yan-peng, MA Wei* (633)