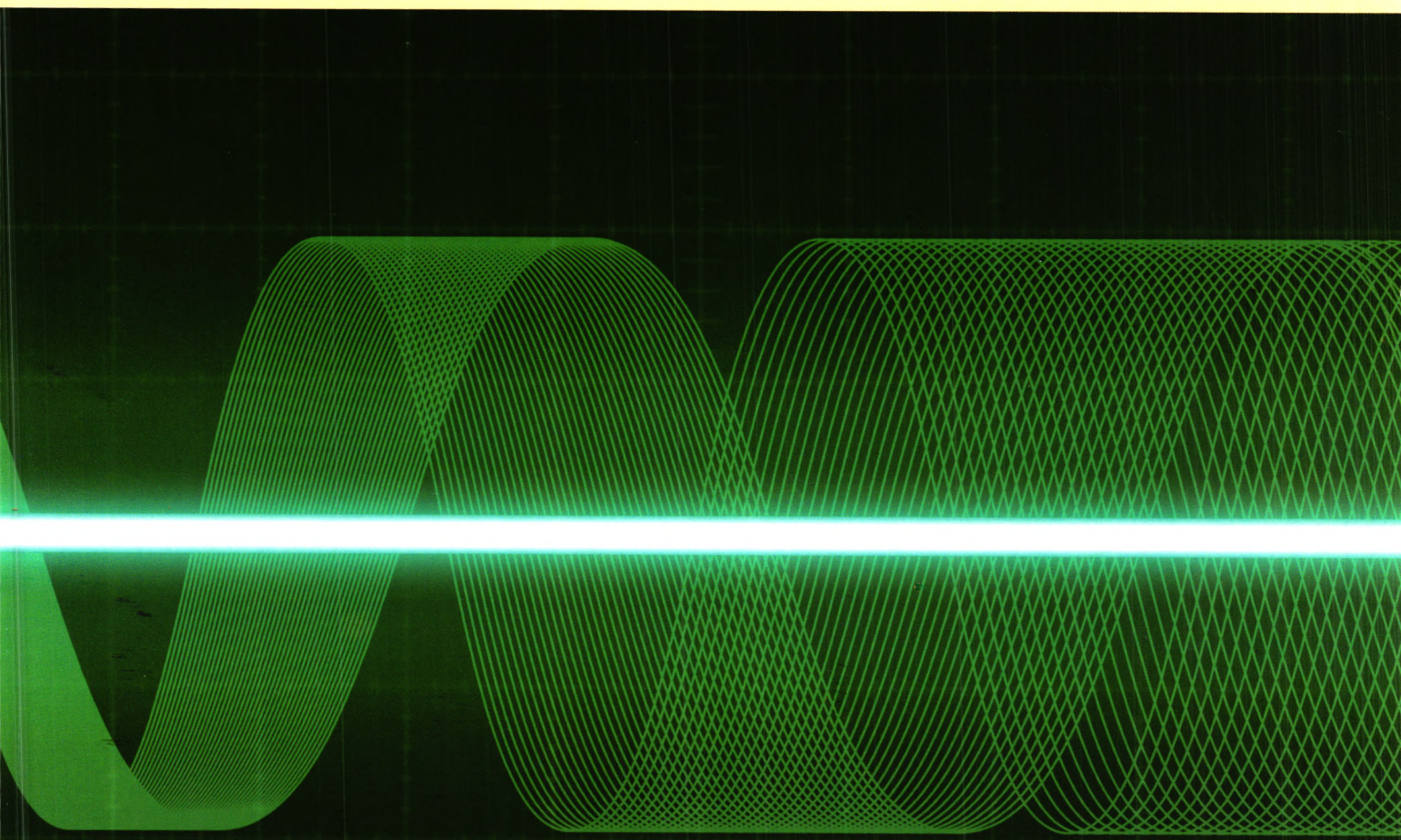


ISSN 1000-3835

CN 31-1316/TU

振动与冲击

JOURNAL OF VIBRATION AND SHOCK



ZHENDONG YU CHONGJI

半月刊 | 第32卷 | **22/2013**

ISSN 1000-3835



9 771000 383134

万方数据

中国振动工程学会
上海交通大学 主办
上海市振动工程学会

目 次

- 基于长程泄漏补偿的迭代插值 FFT 方法及应用 刁瑞朋, 孟庆丰 (1)
- 基于粉体力学模型的颗粒阻尼研究 姚 冰, 陈 前 (7)
- 超弹性橡胶材料分层圆孔蜂窝防护覆盖层动态压缩行为及性能研究 肖 锋, 湛 勇, 孙靖雅, 等 (13)
- 车轮踏面擦伤识别方法 李奕璠, 林建辉, 刘建新, 等 (21)
- 新型柔性护栏碰撞安全性仿真分析及实车验证 雷正保, 李丽红, 雷沐羲, 等 (28)
- 基于虚拟试验的冲击磨损可靠性强化试验研究 杨艳峰, 郑 坚, 狄长春, 等 (32)
- 以动柔度为目标的结构阻尼材料层拓扑优化 王 睿, 张晓鹏, 亢 战 (36)
- 梁动力学问题重心有理插值配点法 王兆清, 马 燕, 唐炳涛 (41)
- 特高压双回路输电线塔线耦联体系振动台试验模型设计理论与方法 白 杰, 谢 强, 薛松涛 (47)
- 钻柱信道内隔声体结构建模与仿真分析 李 成, 井中武, 刘 钊, 等 (53)
- 列车荷载下竖向非均匀地基波阻板主动隔振分析 高广运, 陈功奇, 张 博 (57)
- 凹版印刷机 YF93 烘箱流体分析及参数优化 武吉梅, 申宪文, 刘琳琳, 等 (63)
- 船舶宏观负泊松比蜂窝夹芯隔振器优化设计 张梗林, 杨德庆 (68)
- 频率切片小波变换在爆破振动信号时频特征精确提取中应用 郭 涛, 方 向, 谢全民, 等 (73)
- 多振子串联压电俘能器性能分析与测试 阚君武, 徐海龙, 王淑云, 等 (79)
- 优化 KNNC 算法在滚动轴承故障模式识别中应用 胡 智, 段礼祥, 张来斌 (84)
- 无限大单向加筋层合板隔声性能研究 陈 林, 庞福振, 陈海龙, 等 (88)
- 材料选型优化在结构减振中应用研究 陈炉云, 刘 勇, 张裕芳 (95)
- 水平轴风力机柔性叶片多体动力学建模与动力特性分析 莫文威, 李德源, 夏鸿建, 等 (99)

- 圆柱壳结构水下爆炸所致鞭状运动特性研究····· 刘云龙, 张阿漫, 葛亮, 等 (106)
- 机电集成超环面传动系统参数振动研究····· 郝秀红, 朱学军, 许立忠 (113)
- 高速列车横向半主动悬挂开闭环优化控制研究····· 邓力, 陈春俊, 杨伟芳 (119)
- 基于多尺度形态分解谱熵的电机轴承预测特征提取及退化状态评估····· 王冰, 李洪儒, 许葆华 (124)
- 采用摆线包络线旋转曲面轨道滚珠式动力吸振器制振特性····· 张小龙, 东亚斌, 何育民 (129)
- 压电智能结构冲击荷载有限元逆向求解方法····· 王战玺, 秦现生, 白晶, 等 (135)
- 小型航天器微振动主动控制平台建模与仿真····· 王云峰, 程伟 (140)
- 局部约束阻尼柱壳振动分析及优化设计····· 石慧荣, 高溥, 李宗刚, 等 (146)
- FRP 布约束 RC 矩形空心桥墩抗震性能试验研究····· 张冬杰, 韩强, 杜修力, 等 (152)
- 船舶振动噪声源传递路径分析及试验验证····· 曹跃云, 张磊, 杨自春, 等 (158)
- 基于自适应逆控制的随机振动控制算法研究····· 张芄, 蔡萍, 武博 (163)
- 离心泵瞬态空化流动及压力脉动特性····· 王松林, 谭磊, 王玉川 (168)
- 发动机边盖透射与辐射噪声识别研究····· 贺岩松, 黄勇, 徐中明, 等 (174)
- 耦合板在任意弹性边界条件下的自由振动分析····· 薛开, 王久法, 王威远, 等 (178)
- 液压衬套动态特性实测分析及集总参数模型研究····· 李林 (183)
- 基于支持向量机的卫星动力学多目标优化····· 袁野, 陈昌亚, 王德禹 (189)
- 隧道内爆炸作用下衬砌结构损伤机理及抗爆性能研究····· 张小勇, 龚顺风 (193)
- 单层球面网壳模型动力特性测试实验····· 聂桂波, 范峰, 支旭东, 等 (200)

CONTENTS

- An iterative interpolation FFT method based on long-range leakage compensation
 DIAO Rui-peng, MENG Qing-feng (1)
- Behavior of particle dampers based on a micromeritic model YAO Bing, CHEN Qian (7)
- Dynamic crush behavior and performance of layered honeycomb hyperelastic rubber claddings
 XIAO Feng, CHEN Yong, SUN Jing-ya, et al (13)
- Identification method of wheel tread flat LI Yi-fan, LIN Jian-hui, LIU Jian-xin, et al (21)
- Simulation analysis and real car validation for crashworthiness of a new flexible safe fence
 LEI Zheng-bao, LI Li-hong, LEI Mu-xi, et al (28)
- Reliability enhancement test of shock abrasion based on virtual testing
 YANG Yan-feng, ZHENG Jian, DI Chang-chun, et al (32)
- Topology optimization of damping layer in structures for minimizing dynamic compliance
 WANG Rui, ZHANG Xiao-peng, KANG Zhan (36)
- Barycentric rational interpolation collocation method for solving dynamic problems of Euler-Bernoulli beams
 WANG Zhao-qing, MA Yan, TANG Bing-tao (41)
- Design theory and method of shaking table test model for a UHV double circuit transmission tower-line coupled system
 BAI Jie, XIE Qiang, XUE Song-tao (47)
- Modeling and simulation analysis for an acoustic isolation structure in a drillstring channel
 LI Cheng, JING Zhong-wu, LIU Zhao, et al (53)
- Active vibration isolation using WIB in non-uniform ground under train loadings
 GAO Guang-yun, CHEN Gong-qi, ZHANG Bo (57)
- Oven fluid analysis and parameter optimization for gravure printing machine YF93
 WU Ji-mei, SHEN Xian-wen, LIU Lin-lin, et al (63)
- Optimization design of an auxetic honeycomb isolator in a ship ZHANG Geng-lin, YANG De-qing (68)
- Application of FSWT in accurate extraction of time-frequency features for blasting vibration signals
 GUO Tao, FANG Xiang, XIE Quan-min, et al (73)
- Performance analysis and test of an energy harvester with serial-connected piezodiscs
 KAN Jun-wu, XU Hai-long, WANG Shu-yun, et al (79)
- Application of improved KNNC method in fault pattern recognition of rolling bearings
 HU Zhi, DUAN Li-xiang, ZHANG Lai-bin (84)
- Sound insulation performance of an infinite single stiffened laminated plate
 CHEN Lin, PANG Fu-zhen, CHEN Hai-long, et al (88)
- Application of metal-composite material selection optimization in vibration reduction of a structure
 CHEN Lu-yun, LIU Yong, ZHANG Yu-fang (95)
- Multibody dynamic modeling and dynamic characteristics analysis of flexible blades for a horizontal axis wind turbine
 MO Wen-wei, LI De-yuan, XIA Hong-jian, et al (99)

Whipping response of a cylindrical shell structure subjected to underwater explosion	LIU Yun-long, ZHANG A-man, GE Liang, et al (106)
Parametric vibration of an electromechanical integrated toroidal drive	HAO Xiu-hong, ZHU Xue-jun, XU Li-zhong (113)
Open/closed-loop optimal control for lateral semi-active suspension systems of a high speed train	DENG Li, CHEN Chun-jun, YANG Wei-fang (119)
Motor bearing forecast feature extracting and degradation status identification based on multi-scale morphological decomposition spectral entropy	WANG Bing, LI Hong-ru, XU Bao-hua (124)
Vibration isolation characteristic of a ball type of dynamic vibration absorber with an orbit formed due to revolution of a cycloidal envelope	ZHANG Xiao-long, DONG Ya-bin, HE Yu-min (129)
Finite element inverse solving method of impact identification for a piezoelectric smart structure	WANG Zhan-xi, QIN Xian-sheng, BAI Jing, et al (135)
Modelling and simulation of a mini micro-vibration active control platform for spacecrafts	WANG Yun-feng, CHENG Wei (140)
Vibration analysis and optimization design of a cylindrical shell treated with constrained layer damping	SHI Hui-rong, GAO Pu, LI Zong-gang, et al (146)
Tests for aseismic performance of RC rectangular hollow bridge piers constrained with FRP	ZHANG Dong-jie, HAN Qiang, DU Xiu-li, et al (152)
A new OPA model for ship noise sources and test validation ...	CAO Yue-yun, ZHANG Lei, YANG Zi-chun, et al (158)
Random vibration control algorithm based on adaptive inverse control	ZHANG Peng, CAI Ping, WU Bo (163)
Characteristics of transient cavitation flow and pressure fluctuation for a centrifugal pump	WANG Song-lin, TAN Lei, WANG Yu-chuan (168)
Identification of transmission and radiation noise of an engine side cover	HE Yan-song, HUANG Yong, XU Zhong-ming, et al (174)
Free vibration analysis of coupled rectangular plates with general elastic boundary conditions	XUE Kai, WANG Jiu-fa, WANG Wei-yuan, et al (178)
Test and lumped parameter modeling analysis for dynamic characteristics of a hydraulic bushing	LI Lin (183)
Multi-objective dynamic optimization of a satellite based on support vector machine	YUAN Ye, CHEN Chang-ya, WANG De-yu (189)
Damage mechanism and anti-explosion behavior of tunnel lining structures under internal blast loading	ZHANG Xiao-yong, GONG Shun-feng (193)
Dynamic characteristics test of a single-layer reticulated dome model	NIE Gui-bo, FAN Feng, ZHI Xu-dong, et al (200)

JOURNAL OF VIBRATION AND SHOCK

Vol. 32 No. 22 NOVEMBER 2013

Editorial Office: 1954 Huashan Rd. Shanghai, 200030, China

Issuer Abroad: China National Publishing Industry Trading Corporation

(Post-Office Box No. 728, Beijing, China)
