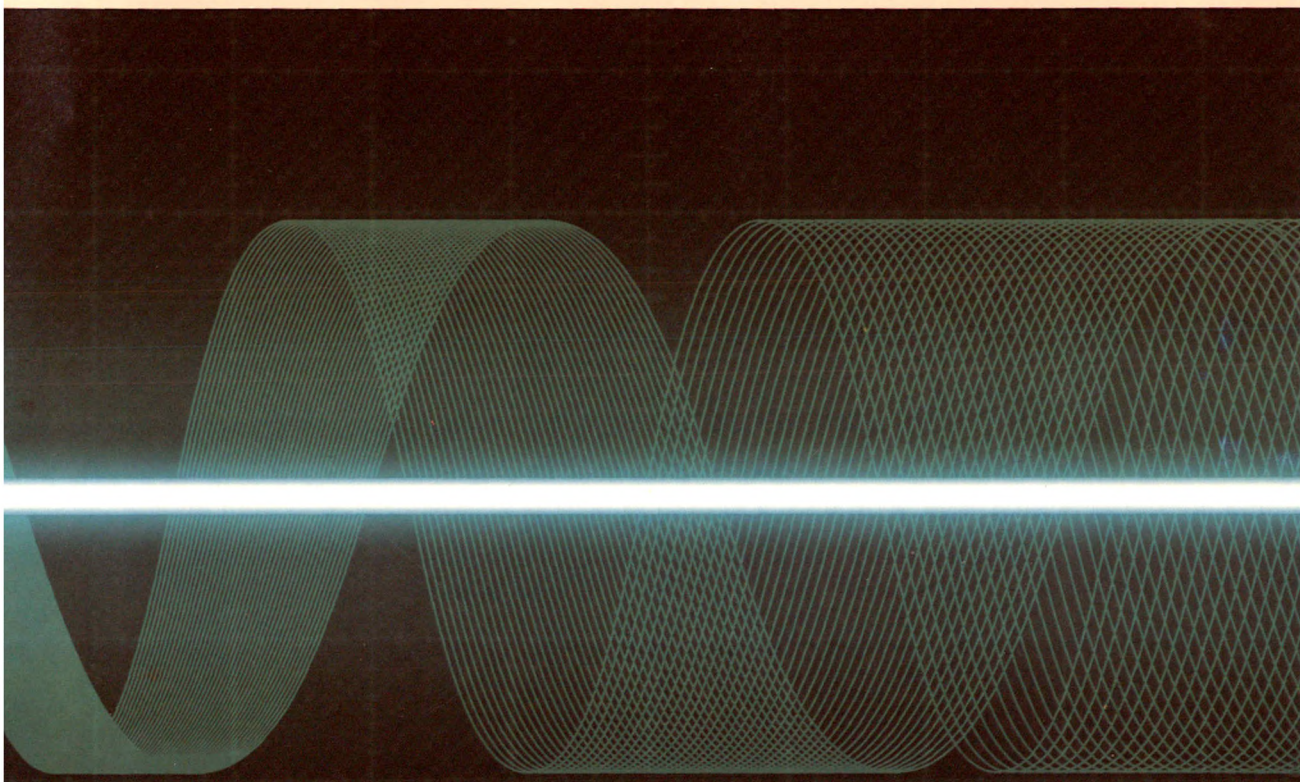


ISSN 1000-3835
CN 31-1316/TU

振动与冲击

JOURNAL OF VIBRATION AND SHOCK



ZHENDONG YU CHONGJI

半月刊 | 第31卷 | **12/2012**

ISSN 1000-3835



9 771000 383127
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

- 五自由度强非线性随机振动系统的首次穿越研究..... 张 雷,吴勇军(1)
- 基于最优 Morlet 小波和隐马尔可夫模型的轴承故障诊断 张锐戈, 谭永红(5)
- 燃气轮机拉杆转子考虑接触效应的扭转振动模态分析..... 高 进, 袁 奇, 李 浦, 等(9)
- 碳纤维混杂纤维混凝土抗冲击性能研究 王 璞, 黄 真, 周 岱, 等(14)
- 不同运动副材料对间隙机构动力学特性的影响 郝雪清, 陈江义(19)
- 闭口单箱颤振的流场机理 刘祖军, 贾明晓, 杨詠昕(22)
- 船用主汽轮机汽缸冲击响应的计算与实验研究 史冬岩, 张 成, 张 亮, 等(28)
- 基于频域盲解卷积的机械设备状态监测与故障诊断 潘 楠, 伍 星, 迟毅林, 等(34)
- 计算阶次分析中避免阶次混叠的滤波定阶方法及其应用 丛 华, 吴广平, 饶国强, 等(42)
- 含损伤梁的三维有限元压电阻抗模型及参数研究 李万春, 严 蔚, 王 骥(45)
- 基于稳健全息阶比谱提取微弱故障特征 梅检民, 陈祥龙, 肖云魁, 等(49)
- 关于上海地铁一号线轨道高低不平顺问题的探讨 单涛涛, 楼梦麟, 贾宝印(53)
- 空间时间域路面行驶车辆的演变随机响应分析 郑浩哲(59)
- 基于 Lamb 波的薄壁槽状结构损伤检测研究 陆 希, 孟 光, 李富才(63)
- 爆炸荷载作用下地铁隧道的冲击反应研究 孔德森, 孟庆辉, 张伟伟, 等(68)
- 液压冲击器流场分析 马富银 杨国平 吴伟蔚(73)
- 船用齿轮箱系统抗冲击特性数值仿真 童水光, 魏 超, 费钟秀, 等(79)
- 基于频响函数虚部的板结构损伤检测方法研究 高海洋, 郭杏林, 吴明勇(86)
- 全矢小波包-包络分析方法及其在齿轮故障诊断中的应用 巩晓资, 韩 捷, 陈 宏, 等(92)

- 离心泵流动诱发振动特性数值计算分析 何 涛, 尹志勇, 孙玉东 (96)
- 形状记忆合金梁的建模及混沌阈值计算 葛 根, 王洪礼, 许 佳 (103)
- 基于时间序列分析的结构损伤识别 杜永峰, 李万润, 李 慧, 等 (108)
- 多点激励下绝对位移直接求解算法的误差频域分析 李永华, 卓平山, 胡远辉 (112)
- 考虑初始荷载影响下梁动力特性的有限元分析 张家玮, 刘合敏, 杨治国, 等 (120)
- 碎片云撞击声发射信号能量特征小波包分析 张 凯, 庞宝君, 林 敏 (125)
- 小波域的冲击能量相关技术及其应用 刘小峰, 秦树人, 张开飞 (129)
- 基于改进形态分量分析的齿轮箱轴承多故障诊断研究 李 辉, 郑海起, 唐力伟 (135)
- 双盘转子系统轴向-径向碰摩非线性动力学特性分析 张 娅, 王维民, 姚剑飞 (141)
- PVDF 传感器在爆炸近区超压测量中的应用研究 任新见, 陈虎林 (146)
- 弹性车体垂向运行平稳性一系最优控制研究 孙文静, 周劲松, 宫 岛 (150)
- 不同肢厚比框支短肢剪力墙斜柱式转换层结构抗震试验研究 祁 勇, 朱慈勉, 钟树生 (155)
- 两端简支输流管道共振可靠度分析 翟红波, 吴子燕, 刘永寿, 等 (160)
- 锥形非固结隔震结构理论与试验研究(II)——支座参数分析 刘文光, 何文福, 杨巧荣, 等 (165)
- 基于 LuGre 摩擦模型的叶片碰撞摩擦特性研究 刘占生, 张 敏, 张广辉, 等 (172)
- 可调阻尼减振器外特性仿真与性能分析 李仕生, 徐中明, 张志飞, 等 (179)
- 梁上附加集中质量对梁-板耦合系统功率流特性的影响 李海飞, 王敏庆, 张教超 (185)

CONTENTS

- First-passage of a 5 - DOF strongly nonlinear random vibration system ZHANG Lei, WU Yong-jun (1)
- Fault diagnosis of rolling element bearings based on optimal morlet wavelet and hidden markov model
..... ZHANG Rui-ge, TAN Yong-hong (5)
- Torsional vibration modal analysis for a rod-fastened gas turbine rotor considering contact effects
..... GAO Jin, YUAN Qi, LI Pu, et al (9)
- Impact mechanical properties of concrete reinforced with hybrid carbon fibers
..... WANG Pu, HUANG Zhen, ZHOU Dai, et al (14)
- Effects of different materials in joints on dynamic characteristics of a mechanism with clearance
..... HAO Xue-qing, CHEN Jiang-yi (19)
- Flow field mechanism for flutter of a box section LIU Zu-jun, JIA Ming-xiao, YANG Yong-xin (22)
- Shock response calculation and test for marine main turbine cylinder
..... SHI Dong-yan, ZHANG Cheng, ZHANG Liang, et al (28)
- Mechanical equipment condition monitoring and fault diagnosis based on frequency-domain blind deconvolution
..... PAN Nan, WU Xing, CHI Yi-lin, et al (34)
- A method to avoid order aliasing in COT based on filtering
..... CONG Hua, WU Guang-ping, RAO Guo-qiang, et al (42)
- Three-dimensional finite element EMI model for a damaged beam and its parameters
..... LI Wan-chun, YAN Wei, WANG Ji (45)
- Weak fault characteristic extraction based on steady holographic-order spectrum
..... MEI Jian-min, CHEN Xiang-long, XIAO Yun-kui, et al (49)
- Preliminarily exploring a problem of track vertical profile irregularity of Shanghai metro line 1
..... SHAN Tao-tao, LOU Meng-lin, JIA Bao-yin (53)
- Evolutionary stochastic response analysis for a road vehicle in spatial-time domain ZHENG Hao-zhe (59)
- Lamb wave-based damage detection for a channel-like thin-wall structure
..... LU Xi, MENG Guang, LI Fu-cai (63)
- Shock responses of a metro tunnel subjected to explosive loads
..... KONG De-sen, MENG Qing-hui, ZHANG Wei-wei, et al (68)
- Fluid field analysis for a hydraulic impactor MA Fu-yin, YANG Guo-ping, WU Wei-wei (73)
- Numerical simulation for anti-shock characteristic of a marine gearbox system
..... TONG Shui-guang, WEI Chao, FEI Zhong-xiu, et al (79)
- Damage detection for a plate based on imaginary part of frequency response function
..... GAO Hai-yang, GUO Xing-lin, WU Ming-yong (86)
- Application of full vector wavelet packet and envelope analysis method in gear fault diagnosis
..... GONG Xiao-yun, HAN Jie, CHEN Hong, et al (92)

-
- Numerical analysis for flow induced vibration of a centrifugal pump HE Tao, YIN Zhi-yong, SUN Yu-dong (96)
- Modeling and chaotic motion calculation of a shape memory alloy beam GE Gen, WANG Hong-li, XU Jia (103)
- Structural damage identification based on time series analysis DU Yong-feng, LI Wan-run, LI Hui, et al (108)
- Error analysis of seismic response obtained by directly solving absolute displacement in frequency domain under multi-support earthquake excitations LI Yong-hua, ZHUO Ping-shan, HU Yuan-hui (112)
- Finite element analysis for effect of initial load on dynamic characteristic of a beam
..... ZHANG Jia-wei, LIU He-min, YANG Zhi-guo, et al (120)
- Wavelet packet analysis for acoustic emission signals caused by debris cloud impact
..... ZHANG Kai, PANG Bao-jun, LIN Min (125)
- Corrlative technique for wavelet-domain impact energy and its application
..... LIU Xiao-feng, QIN Shu-ren, ZHANG Kai-fei (129)
- Bearing multi-fault diagnosis based on improved morphological component analysis
..... LI Hui, ZHENG Hai-qi, TANG Li-wei (135)
- Nonlinear dynamic behavior of a double-disk isotropic rotor system with axial and radial rub-impacts
..... ZHANG Ya, WANG Wei-min, YAO Jian-fei (141)
- Application of PVDF sensors in shock wave measurement of near zone of explosion
..... REN Xin-jian, CHEN Hu-lin (146)
- Vertical ride quality of a flexible car body of railway vehicles with optimal control of primary suspension
..... SUN Wen-jing, ZHOU Jin-song, GONG Dao (150)
- Experimental study on seismic performance of inclined column-shaped transferFloor structure of frame-supported short-leg shearwall based with various ratio leg-thickness QI Yong, ZHU Ci-mian, ZHONG Shu-sheng (155)
- Analysis of resonance reliability for a simply supported pipe conveying fluid
..... ZHAI Hong-bo, WU Zi-yan, LIU Yong-shou, et al (160)
- Theoretical and experimental study on a non-consolidation isolated structure (II)—mechanical parameters of bearings
..... LIU Wen-guang, HE Wen-fu, YANG Qiao-rong, et al (165)
- Characteristics of impact-contact and friction between tips of blades based on LuGre model
..... LIU Zhan-sheng, ZHANG Min, ZHANG Guang-hui, et al (172)
- External characteristic simulation and performance analysis for an adjustable damper
..... LI Shi-sheng, XU Zhong-ming, ZHANG Zhi-fei, et al (179)
- Effects of added point masses on power flow features of a mass-loaded beam-plate coupled system
..... LI Hai-fei, WANG Min-qing, ZHANG Jiao-chao (185)
-

JOURNAL OF VIBRATION AND SHOCK

Vol. 31, No. 12, JUNE 2012

Editorial Office: 1954 Huashan Rd, Shanghai 200030, China

Issuer Abroad: China National Publishing Industry Trading Corporation

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