

ISSN 1004-4523
CODEN ZXUEEA

振动工程学报

JOURNAL OF VIBRATION ENGINEERING

第26卷 第1期
Vol.26 No.1



1
2013

ISSN 1004-4523



中国振动工程学会主办

目次

基于统计能量法的高频集中载荷识别的理论与试验研究	谢石林, 薛永刚, 张希农(1)
利用加速度响应连续小波变换的时变系统物理参数识别	许鑫, 史治宇, Wieslaw J Staszewski, 等(8)
机载多管火箭系统振动特性研究	张驰, 芮筱亭, 戎保, 等(15)
快速重载作用下浮桥位移波传播特性研究	江召兵, 陈云鹤, 赵红亮(20)
基于 ARX 模型的复合材料加筋板结构冲击载荷时程重建	穆腾飞, 周丽, 赵林虎(25)
引发方式、铺层对纤维增强复合材料圆柱壳吸能特性影响的冲击试验研究	王璠, 何一帆, 宋毅, 等(33)
绳系太阳能发电卫星姿态机动的边界控制	周荻, 范继祥(41)
分散自适应主动控制参数优化方法	安峰岩, 孙红灵, 李晓东, 等(48)
基于 ICM 准则法的结构动力学边界拓扑优化设计	姜波澜, 闫云聚, 徐斌(55)
主动减振器结构参数优化设计	李小平, 廖飞红, 陈学东, 等(61)
三质体斜碰撞振动的动力学和减振研究	段洁, 丁千(68)
基于等效层模型的静动力抗震分析及其在剪力墙减震设计中的应用	孙广俊, 李爱群, 张志强(75)
地震激励下 20 层钢结构基准模型的非线性随机最优控制	刘中华, 文善任, 雷鹰(83)
北京气象塔湍流积分尺度的统计模型	田玉基, 杨庆山, 杨娜, 等(90)
超声速及高超声速壁板颤振中的湍流边界层效应	张兵, 韩景龙, 钱凯(98)
两种不同载荷形式下转子系统油膜失稳的数值研究	马辉, 李辉, 唐玉生, 等(105)
风力发电机用同极型磁悬浮轴承的支承性能	谢振宇, 王晓, 周红凯(112)
基于局部特征尺度分解和核最近邻凸包分类算法的滚动轴承故障诊断方法	杨宇, 曾鸣, 程军圣(118)
多小波自适应分块阈值降噪及其在轧机齿轮故障诊断中的应用	孙海亮, 訾艳阳, 何正嘉(127)
基于 FRFT 的改进多尺度线调频基稀疏信号分解方法	梅俭民, 肖云魁, 周斌, 等(135)
主频占优边缘滤波器分解信号为本征模态函数的方法	张立振, 张春兰(143)
简讯	
新书介绍:《噪声控制工程学》	(54)
书评:《噪声控制工程学》	陈克安(60)
中国振动工程学会第七届常务理事会第二次扩大会议在南京举行	(152)

CONTENTS

Theoretical and experimental studies on identification of high frequency concentrated loads based on statistical energy analysis method	XIE Shi-lin, XUE Yong-gang, ZHANG Xi-nong(1)
Time-varying system physical parameters identification using the continuous wavelet transform of acceleration response	XU Xin, SHI Zhi-yu, Wieslaw J Staszewski, et al(8)
Vibration characteristics of airborne multiple launch rocket systems	ZHANG Chi, RUI Xiao-ting, RONG Bao, et al(15)
On the displacement wave propagation of the floating bridge subjected to high-speed and heavy load	JIANG Zhao-bing, CHEN Yun-he, ZHAO Hong-liang(20)
Impact loading time history reconstruction of stiffened composite panels using ARX model	MU Teng-fei, ZHOU Li, ZHAO Lin-hu(25)
The impact experimental study of evoking type and Layup type on absorption energy of fiber reinforced composite cylindrical shell	WANG Fan, HE Yi-fan, SONG Yi, et al(33)
Boundary control in the attitude maneuvering of tethered space solar power satellite	ZHOU Di, FAN Ji-xiang(41)
Optimization of parameters in decentralized adaptive active control algorithm	AN Feng-yan, SUN Hong-ling, LI Xiao-dong, et al(48)
Topology optimal design of structural dynamic boundary condition based on ICM criterion method	JIANG Bo-lan, YAN Yun-ju, XU Bin(55)
Optimization design for structure parameters of active vibration isolator	LI Xiao-ping, LIAO Fei-hong, CHEN Xue-dong, et al(61)
Dynamics and vibration reduction of a three-mass system with oblique-impacts	DUAN Jie, DING Qian(68)
Static-dynamic earthquake analysis based on equivalent storey model and its application in vibration reduction analysis of shear wall structure ..	SUN Guang-jun, LI Ai-qun, ZHANG Zhi-qiang(75)
Nonlinear stochastic optimal control for seismically excited 20-story steel structure benchmark model	LIU Zhong-hua, WEN Shan-ren, LEI Ying(83)
Statistical model of turbulent integral length at Beijing Meteorological Tower	TIAN Yu-ji, YANG Qing-shan, YANG Na, et al(90)
Effects of turbulent boundary layer on panel flutter in supersonic and hypersonic flow	ZHANG Bing, HAN Jing-long, QIAN Kai(98)
Numerical research on oil-film instability in a rotor system under two types of load conditions	MA Hui, LI Hui, TANG Yu-sheng, et al(105)
Supporting characteristics of the homopolar active magnetic bearing for wind power generator	XIE Zhen-yu, WANG Xiao, ZHOU Hong-kai(112)
Fault diagnosis approach for rolling bearing based on local characteristic-scale decomposition and Kernel nearest neighbor convex hull classification algorithm	YANG Yu, ZENG Ming, CHENG Jun-sheng(118)
Multiwavelet denoising with adaptive block thresholding and its application in gearbox diagnosis of rolling mills	SUN Hai-liang, ZI Yan-yang, HE Zheng-jia(127)
Improved multi-scale chirplet sparse signal decomposition method based on Fractional Fourier Transform	MEI Jian-min, XIAO Yun-kui, ZHOU Bin, et al(135)
A method on preferential dominant frequency and mount edge filter decomposing signal into intrinsic mode functions	ZHANG Li-zhen, ZHANG Chun-lan(143)