

目 次

一种多输入多输出非高斯随机振动试验方法	郑荣慧, 陈怀海, 贺旭东, 等(697)
气浮台-复合材料层合板多体系统的刚-柔耦合动力学研究	周宇航, 刘锦阳, 武 泽, 等(703)
热环境下弹性边界约束 FGM 圆环板面内振动特性分析	吕 朋, 杜敬涛, 邢 雪, 等(713)
拉杆转子界面局部脱开识别的改进广义柔度矩阵法	赵 博, 徐自力, 阚选恩(724)
散射对近水面有限长圆柱壳自振特性影响	郭文杰, 李天匀, 朱 翔, 等(730)
整流罩有效负载填充效应变化规律及形成机理研究	郑 玲, 陈媛媛, 邓 杰, 等(738)
空间单质体双机同轴线振动系统的自同步特性	陈晓哲, 闻邦椿, 李凌轩(747)
D形断面柱体驰振耦合气动力特性试验研究	马文勇, 邓然然, 卢金玉(755)
非线性刚度非线性阻尼隔振系统功率流研究	邵 栋, 陆泽琦, 陈立群(764)
基于机理的磁流变减震器滞回特性魔术公式模型	薛 兵, 杜永昌, 刘 源, 等(774)
机敏约束层阻尼薄板的 μ 综合鲁棒控制研究	王 攀, 王正亚, 孔德飞, 等(781)
框架-剪力墙结构地震响应分析的 Laplace 变换法	刘良坤, 谭 平, 刘彦辉, 等(790)
半无限弹性空间中移动荷载动力响应的频域-波数域比例边界有限元法分析	雷晓燕, 徐 斌, 徐满清(798)
长周期地震动作用下高层隔震结构减震性能试验研究	吴应雄, 颜桂云, 石文龙, 等(806)
软弱地基上隔震结构地震反应及隔震效果的预测方法研究	于 旭, 庄海洋, 陈国兴, 等(817)
考虑舒适度的大跨楼盖 MTMD 系统混合优化设计	陈 鑫, 李爱群, 张志强, 等(827)
移动车辆作用对公路连续梁桥地震反应特性的影响	黄新艺, 卓卫东, 魏祥湘, 等(837)
PMA-ASTFA 及其在齿轮裂纹定量诊断中的应用	杨 宇, 欧龙辉, 吴家腾, 等(849)
基于时时能量阶比谱的变转速工况滚动轴承微弱故障诊断研究	唐贵基, 庞 彬(856)
变转速下基于广义解调算法的滚动轴承故障诊断	赵德尊, 李建勇, 程卫东, 等(865)
加噪样本扩展深度稀疏自编码神经网络的滚动轴承寿命阶段识别	陈仁祥, 黄 鑫, 杨黎霞, 等(874)

CONTENTS

A method for MIMO non-Gaussian random vibration test	ZHENG Rong-hui, CHEN Huai-hai, HE Xu-dong, et al(697)
Rigid-flexible coupling dynamics of air-bearing test bed-composite laminate multi-body system	ZHOU Yu-hang, LIU Jin-yang, WU Ze, et al(703)
Study on in-plane vibration characteristics of elastically restrained FGM annular panel in thermal environment	LÜ Peng, DU Jing-tao, XING Xue, et al(713)
Method of detection of partial separation of interface in rod-fastened rotors with modified generalized flexible matrix	ZHAO Bo, XU Zi-li, KAN Xuan-en(724)
Scattering effects on vibration characteristics of a finite cylindrical shell near the free surface	GUO Wen-jie, LI Tian-yun, ZHU Xiang, et al(730)
Investigation of payload fill effect on a large launch vehicle fairing	ZHENG Ling, CHEN Yuan-yuan, DENG Jie, et al(738)
Self-synchronization characteristic of two eccentric rotors with same rotational axis in a mass vibration system of spatial motion	CHEN Xiao-zhe, WEN Bang-chun, LI Ling-xuan(747)
Characteristics of coupled aerodynamic forces of a galloping cylinder with D-section	MA Wen-yong, DENG Ran-ran, LU Jin-yu(755)
Power flow characteristics of a two-stage nonlinear vibration isolation system	SHAO Dong, LU Ze-qi, CHEN Li-qun(764)
A mechanism-based magic formula model for hysteretic characteristics of magneto rheological damper	XUE Bing, DU Yong-chang, LIU Yuan, et al(774)
Study on μ -synthesis control of the thin plate with smart constrained layer damping	WANG Pan, WANG Zheng-ya, KONG De-fei, et al(781)
The seismic response analysis of frame-shear wall structures based on Laplace transformation	LIU Liang-kun, TAN Ping, LIU Yan-hui, et al(790)
Using the frequency-wave domain scaled boundary finite element method for the dynamic response of the elastic half-space due to moving loads	LEI Xiao-yan, XU Bin, XU Man-qing(798)
Experimental study on the seismic-reduction performance of high-rise isolated structure under long-period ground motions	WU Ying-xiong, YAN Gui-yun, SHI Wen-long, et al(806)
Prediction method research of seismic response and seismic isolation effect of isolated structure on soft soil foundation	YU Xu, ZHUANG Hai-yang, CHEN Guo-xing, et al(817)
Hybrid optimization of the multiple tuned mass dampers in long-span floor for human comfort	CHEN Xin, LI Ai-qun, ZHANG Zhi-qiang, et al(827)
Effect of moving vehicular loading on seismic response characteristics of highway continuous girder bridge	HUANG Xin-yi, ZHUO Wei-dong, WEI Xiang-xiang, et al(837)
PMA-ASTFA and its application on the quantitative diagnosis of gear tooth crack	YANG Yu, OU Long-hui, WU Jia-teng, et al(849)
Research on fault diagnosis of rolling bearing's weak fault under variable speed conditions based on time-time energy order spectrum	TANG Gui-ji, PANG Bin(856)
Rolling element bearing fault diagnosis based on generalized demodulation algorithm under variable rotational speed	ZHAO De-zun, LI Jian-yong, CHENG Wei-dong, et al(865)
Bearing life state recognition using deep sparse auto-encoder neural network with noise adding sample expansion	CHEN Ren-xiang, HUANG Xin, YANG Li-xia, et al(874)