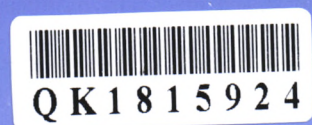


ISSN 1004-4523
CODEN ZXUEEA

振动工程学报

JOURNAL OF VIBRATION ENGINEERING

第31卷 第1期
Vol.31 No.1



1

2018

中国振动工程学会主办

ISSN 1004-4523



目次

基于移动质量梁列式的混合编组列车-多跨双线简支梁桥垂向耦合振动分析 文颖, 陶蕤, 何旭辉, 等(1)

超高结构黏滞阻尼系统风振减振优化设计方法 赵昕, 马浩佳, 丁鲲(12)

考虑CSI效应的AMD控制系统构建及其时变时滞补偿 陈朝骏, 李祚华, 滕军, 等(20)

乘客-车辆-桥梁耦合振动分析 王少钦, 彭培火, 杨淳, 等(30)

横风和轨道不平顺联合作用下的车辆-轨道系统随机分析模型 徐磊, 翟婉明(39)

随机脉动风场的谱表示降维模拟 刘章军, 刘增辉(49)

风雨激振中斜拉索倾角对水线及拉索振动的影响 王剑, 毕继红, 何旭辉, 等(57)

周期胞元平面桁架结构等效动力学分析 柳剑波, 王立峰, 金栋平(67)

激励中含有谐波成分时的工况模态参数辨识 于亮亮, 宋汉文(74)

一种非线性梁系统动载荷识别算法 宋雪刚, 白瑜芳, 程竹明, 等(82)

有限长周期支撑结构贝叶斯概率损伤识别研究 尹涛, 尹孟林, 贾晓健(91)

舰载机前起落架突伸性能试验研究 豆清波, 陈熠, 马小莉, 等(102)

一种求解干摩擦带冠叶片动力学响应的方法 谢方涛, 崔璨, 马辉, 等(110)

复杂边界条件下圆柱壳-环板耦合结构振动特性分析 石先杰, 李春丽, 蒋华兵(118)

矩形磁流变弹性薄板的动力稳定性分析 田振国, 梁金奎(125)

压电柔性臂的ARMAX模型辨识降阶及最优极点移动控制 娄军强, 周优鹏, 廖江江, 等(132)

埋置移动荷载作用下饱和成层地基-梁耦合系统动力响应分析 胡安峰, 李怡君, 付鹏, 等(140)

一种初始相位函数估计的DDTFA方法及其应用 李蓉, 李付豪, 田莉莉, 等(148)

频谱密度函数相似性比较的齿轮箱故障诊断 郭远晶, 魏燕定, 金晓航, 等(157)

双阶自适应小波聚类的航空发动机故障分类与识别 左红艳, 刘晓波, 洪连环(165)

高速列车万向轴不平衡故障检测的形态滤波方法 李奕璠, 刘伟渭, 林建辉(176)

期刊基本参数:CN32-1349/TB*1987*b*A4*182*zh*P*¥40.00*1500*21*2018-02

CONTENTS

Vertical vibration analysis of coupled mixed vehicles and multi-span simply supported twin-line railway bridges using the moving mass beam formulation	WEN Ying, TAO Rui, HE Xu-hui, et al (1)
Optimal wind-induced vibration attenuation design of viscous damper systems for super tall structures	ZHAO Xin, MA Hao-jia, DING Kun (12)
Establishment of AMD control system considering CSI effect and its time-varying delay compensation	CHEN Chao-jun, LI Zuo-hua, TENG Jun, et al (20)
Coupling vibration analysis of passenger-vehicle-bridge system	WANG Shao-qin, PENG Pei-huo, YANG Zhun, et al (30)
The vehicle-track stochastic model considering joint effects of cross-winds and track random irregularities	XU Lei, ZHAI Wan-ming (39)
Dimension reduction based spectral representation of stochastic fluctuation wind field simulation	LIU Zhang-jun, LIU Zeng-hui (49)
The effects of cable inclination on rivulet and rain-wind induced vibration of stay cable	WANG Jian, BI Ji-hong, HE Xu-hui, et al (57)
Equivalent continuum modeling of a kind of planar lattice truss	LIU Jian-bo, WANG Li-feng, JIN Dong-ping (67)
Operational modal analysis in the presence of harmonic excitation	YU Liang-liang, SONG Han-wen (74)
A dynamic load identification method for nonlinear beam system	SONG Xue-gang, BAI Yu-fang, CHENG Zhu-ming, et al (82)
Bayesian probabilistic damage detection in a laboratory periodically-supported structure of finite-length	YIN Tao, YIN Meng-lin, JIA Xiao-jian (91)
Experimental study on the sudden-extension performance of carrier-based aircraft landing gear	DOU Qing-bo, CHEN Yi, MA Xiao-li, et al (102)
An approach to calculate the dynamic response of shrouded blade with dry friction	XIE Fang-tao, CUI Can, MA Hui (110)
Vibration characteristics of an annular plate-cylindrical shell structure with complex boundary conditions	SHI Xian-jie, LI Chun-li, JIANG Hua-bing (118)
Dynamic stability analysis of a thin rectangular magnetorheological elastic plate	TIAN Zhen-guo, LIANG Jing-kui (125)
ARMAX model identification and vibration suppression of a piezoelectric flexible manipulator using optimal pole shifting control	LOU Jun-qiang, ZHOU You-peng, LIAO Jiang-jiang, et al (132)
Dynamic response of the layered saturated foundation-beam coupling system subjected to a buried moving load	HU An-feng, LI Yi-jun, FU Peng, et al (140)
An initial phase function estimation-based data-driven time-frequency analysis method and its application	LI Rong, LI Fu-hao, TIAN Li-li, et al (148)
Gearbox fault diagnosis using similarity comparison of frequency spectrum density function	GUO Yuan-jing, WEI Yan-ding, JIN Xiao-hang, et al (157)
Aero-engines fault classification and recognition based on two-stage adaptive WaveCluster	ZUO Hong-yan, LIU Xiao-bo, HONG Lian-huan (165)
A morphology filter method for high speed train cardan shaft unbalance fault detection	LI Yi-fan, LIU Wei-wei, LIN Jian-hui (176)

中国科技论文统计用期刊
中国科技核心期刊
美国 Ei Compendex 收录用期刊
美国 Applied Mechanics Review 收录用期刊
美国 The Shock and Vibration Digest 收录用期刊
美国 International Aerospace Abstracts 收录用期刊
俄罗斯《文摘杂志》收录用期刊

振动工程学报

ZHENDONG GONGCHENG XUEBAO

(双月刊)

主编: 苏义脑 1987年11月创刊
第31卷第1期 2018年2月出版

JOURNAL OF VIBRATION ENGINEERING

(Bimonthly)

Editor-in-chief: Su Yinao
First Issue: November 1987
Vol. 31 No. 1 Feb. 2018

主 管: 中国科学技术协会
主 办: 中国振动工程学会
(南京市御道街29号, 210016)
编辑出版: 《振动工程学报》编辑部
印 刷: 南京航空航天大学印刷厂
国内发行: 江苏省报刊发行局
国外发行: 中国国际图书贸易总公司
(北京399信箱)

Supervisor: China Association for Science and Technology
Sponsor: Chinese Society for Vibration Engineering
Editor and Publication: Editorial Board of Journal of Vibration Engineering
Printing: NUAA Printing House
Distributors:
Domestic: Jiangsu Bureau for Distribution of Newspapers and Journals
Abroad: China International Book Trading Corp.
(P. O. Box 399 Beijing, China)

编辑部电话:(025)84895885 网址:<http://zdxn.nuaa.edu.cn> E-mail:zdxn@nuaa.edu.cn

刊号: ISSN1004-4523 国内邮发代号:28-249 国外发行代号:4819Q 定价:40.00元
CN32-1349/TB