

CONTENTS

Multi-source heterogeneous monitoring data fusion and dynamic displacement reconstruction of lattice tower structures	ZHANG Qing, FU Xing, REN Liang, et al(1)
Rapid damage identification of structure based on local transmissibility function and pattern matching	SHEN Qing-wei, NIE Zhen-hua, MA Hong-wei(10)
Rapid damage evolution assessment of seismic-damaged structure by using dynamic response derivation and energy dissipation difference ratio	CHENG Shi-tao, HE Hao-xiang, CHEN Yi-fei(20)
Efficient structural dynamic analysis and fragility solution methods for frame using adaptive Woodbury method	YU Ding-hao, LI Gang, LI Hong-nan(32)
Research on double-objective synchronous optimization distribution of linear viscous dampers for frame structures	ZHOU Yu-xian, WANG Shu-guang(44)
Identification of time-varying modal parameters of pedestrian bridges using computer vision	ZHU Qian-kun, CUI De-peng, ZHANG Qiong, et al(52)
Identification of statistical moments of moving loads on bridge structures with spatial random fields	RAO Yong-ping, ZHANG Fu-bo, LEI Ying(62)
Research on sub-structure hybrid modeling method based on frequency response function for butted cylindrical shell structures	LI Xu-long, ZHANG Zhong, DONG Jun-hui, et al(70)
Generalized thermoelastic coupling analysis of thermoelastic damping of Levinson micro beam resonator	ZHANG Zhi-chao, CAO Jing, GAO Pei-feng(76)
Thermoelastic damping in microbeam resonators partially covered by coatings	YANG Long-fei, LI Pu, YE Yi-zhou(86)
Calculation and analysis of inherent properties of stiffened cylindrical shells with longitudinal stiffeners of arbitrary cross section under typical boundary conditions	NIU Ning, SUN Ling-ling, XING Ze-zhi, et al(96)
Two-parameter non-smooth bifurcations of a 2-DOF impact oscillator	LÜ Xiao-hong, ZHANG Kai-cheng, ZHU Xi-feng, et al(107)
Dynamic characteristics of planetary gear-rotor system with bearing tilt misalignment	WANG Peng-fei, XU Hong-yang, MA Hui, et al(116)
Finite time robust stabilization control for vibration-based manipulators with payload uncertainty	MEI Rui-lin, GUO Yu-fei, WANG Zhi-gang, et al(128)
Method of association ambiguity elimination for multi-source localization	LIU Hai-tao, CHEN Yong-hua, ZHOU Jia-sheng, et al(138)
Vibration analysis of a modern building caused by metro and research on vibration reduction measures	YANG Wei-guo, LI Hao, XI Jing-kai(147)
Effects analysis of curve geometric parameters on wheel/rail dynamic interactions between different freight bogies	YANG Chun-lei, HUANG Yun-hua, DING Jun-jun(159)
Effect of local moving surface on hydrodynamic characteristics of hydrofoil	GUO Tao, WANG Wen-quan, WANG Xin-yu(170)
Buffeting numerical simulation of streamlined steel box girder of long-span cable-supported bridge using fluid-structural interaction	XU Zi-dong, WANG Hao, LIU Zhen-qing(179)
Vector form intrinsic finite element based simulation on parametric vibration of cables	DUAN Yuan-feng, HUANG Jia-si, DENG Nan, et al(188)
Simulations of size effect on dynamic shear failure of BFRP-reinforced concrete deep beam	JIN Liu, LEI Yu-shuang, DU Xiu-li(196)
Compressive stress-strain constitutive relationship of seawater and marine aggregates fabricated concrete under dynamic response	XU Jin-jun, ZHAO Xu-ling, TANG Yue-yue, et al(207)
Effects of the inertia forces of pier shaft on the seismic shear at pier bottom and its calculation method	JIANG Xiang-ping, SHEN Yu, LI Jian-zhong, et al(217)
Impact performance of precast concrete columns with grouted sleeve connection	ZHAO Wu-chao, YE Ji-hong, ZHOU Zhi(225)
Dynamic response characteristics and safety control of mortar bolts under the action of tunnel blasting excavation	ZHU Bin, ZHOU Chuan-bo, JIANG Nan(235)
Horizontal vibration of partially embedded piles in unsaturated foundation	YANG Zi-jian, LIU Hao, ZHANG Yun-peng, et al(247)
Iterative time-rearrangement synchrosqueezing transform and its application to mechanical equipment fault diagnosis	ZHOU Cheng, WANG Xiang-sheng, CAO Hong-rui(256)
Tacho-less order tracking method of wind turbine gearbox under time-varying conditions	WAN Shu-ting, WANG Yan-jie, ZHANG Xiong, et al(266)
Rolling bearing fault diagnosis method based on parameter optimized VMD	LI Ke, NIU Yuan-yuan, SU Lei, et al(280)
Optimal design of robust sensing matrix and its application in mechanical fault diagnosis	LIN Hui-bin, CHEN Wei-liang(288)

目 次

格构式塔架结构多源异构监测数据融合及动态位移重构研究	张 庆, 付 兴, 任 亮, 等(1)
局部传递率函数与模式匹配的结构损伤快速识别方法	沈清伟, 聂振华, 马宏伟(10)
采用动力响应推演及耗能差率的震损结构损伤演变快速评估	程时涛, 何浩祥, 陈易飞(20)
采用自适应 Woodbury 公式的框架结构高效动力分析与易损性计算方法	余丁浩, 李 钢, 李宏男(32)
框架结构线性黏滞阻尼器双目标同步优化布置研究	周玉娴, 王曙光(44)
利用计算机视觉识别人行桥时变模态参数	朱前坤, 崔德鹏, 张 琼, 等(52)
基于结构随机场的桥梁移动荷载统计矩识别	饶勇平, 张富博, 雷 鹰(62)
对接圆柱壳结构的频响函数子结构混合建模方法研究	李旭龙, 张 忠, 董俊辉, 等(70)
Levinson 微梁谐振器热弹性阻尼的广义热弹耦合分析	张志超, 曹 静, 高配峰(76)
非完全覆盖双层微梁谐振器热弹性阻尼建模	杨龙飞, 李 普, 叶一舟(86)
典型边界条件下任意截面纵肋加筋圆柱壳固有特性计算与分析	牛 宁, 孙玲玲, 邢泽智, 等(96)
两自由度碰撞振动系统的两参数非光滑分岔	吕小红, 张开成, 朱喜锋, 等(107)
含轴承倾斜不对中的行星轮系-转子系统动态特性研究	王鹏飞, 徐宏阳, 马 辉, 等(116)
负载不确定振动基机械臂的有限时间鲁棒镇定控制	梅瑞麟, 郭宇飞, 王志刚, 等(128)
多声源定位的关联模糊消除方法研究	刘海涛, 陈永华, 周家盛, 等(138)
地铁致某近代建筑振动分析及减隔振措施研究	杨维国, 李 昊, 郝景凯(147)
曲线几何参数对不同类型货车转向架轮轨动力作用的影响分析	杨春雷, 黄运华, 丁军君(159)
局部翼面运动对水翼水动力学特性的影响研究	郭 涛, 王文全, 王欣宇(170)
大跨索承桥梁流线型钢箱梁抖振响应流固耦合数值模拟	徐梓栋, 王 浩, 刘震卿(179)
采用向量式有限元的拉索参数振动模拟	段元锋, 黄嘉思, 邓 南, 等(188)
BFRP 筋混凝土深梁动态剪切破坏尺寸效应模拟	金 浏, 雷宇霜, 杜修力(196)
动态响应下海水海洋骨料混凝土受压应力-应变本构关系研究	徐金俊, 赵旭凌, 唐月月, 等(207)
墩身惯性力对墩底地震剪力的影响及计算方法	蒋湘平, 沈 禹, 李建中, 等(217)
灌浆套筒连接装配式混凝土柱抗撞性能研究	赵武超, 叶继红, 周 知(225)
隧道爆破开挖作用下砂浆锚杆动力响应特征及安全控制研究	朱 斌, 周传波, 蒋 楠(235)
非饱和地基中部分埋入桩的水平振动问题	杨紫健, 刘 浩, 张云鹏, 等(247)
迭代时间重排同步压缩变换及其在机械故障诊断中的应用	周 钺, 王翔生, 曹宏瑞(256)
时变工况的风电机组齿轮箱无转速计阶次跟踪方法研究	万书亭, 王燕杰, 张 雄, 等(266)
参数优化 VMD 的滚动轴承故障诊断方法	李 可, 牛园园, 宿 磊, 等(280)
鲁棒性观测矩阵优化设计及其在机械故障诊断中的应用	林慧斌, 陈伟良(288)