

## 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钢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 .....周铖,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)