

Q K 2 3 0 0 8 4 5



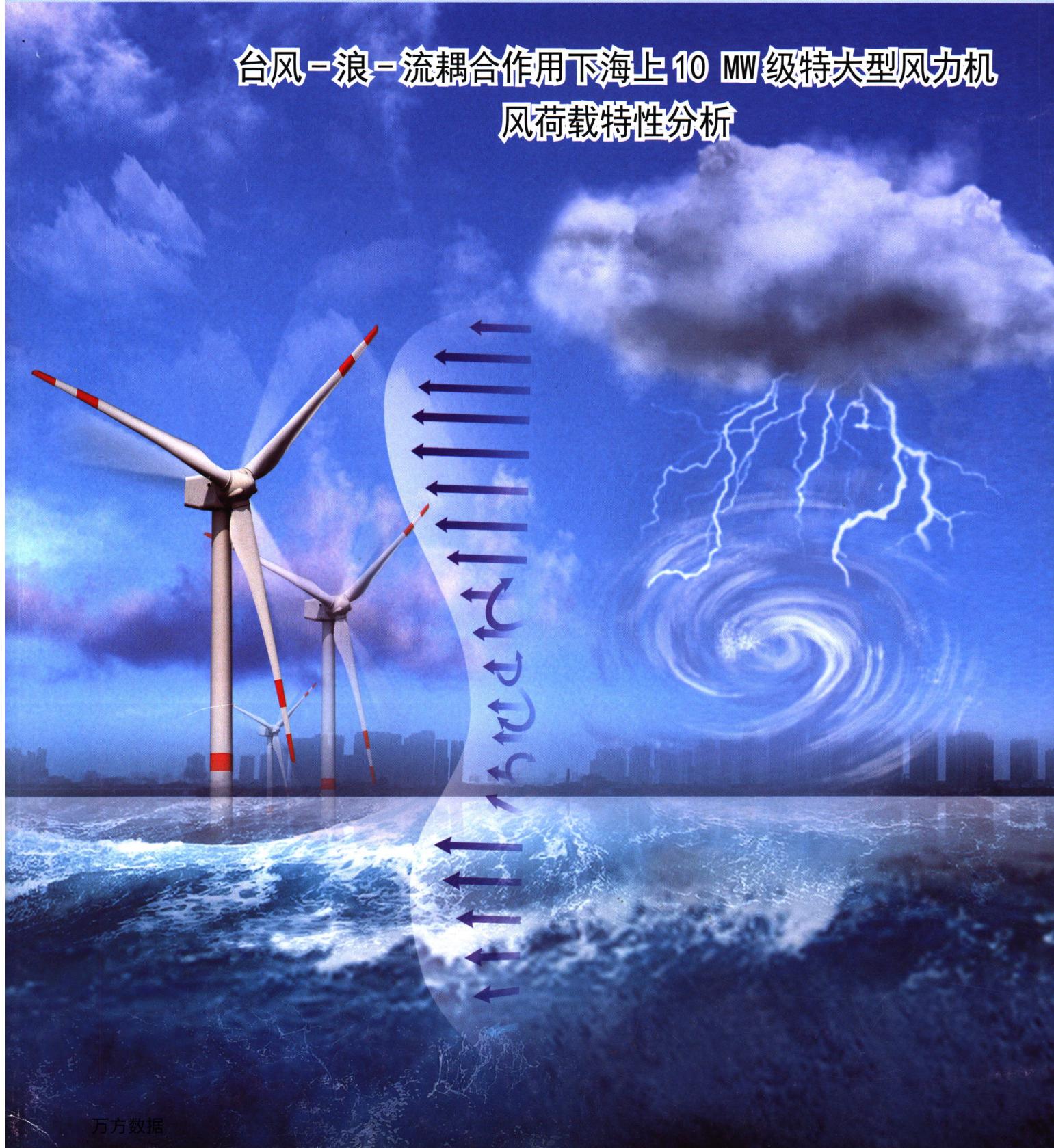
振动工程学报

JOURNAL OF VIBRATION ENGINEERING

第36卷 第2期 Vol. 36 No. 2 2023

ISSN 1004-4523
CODEN ZXUEEA

台风-浪-流耦合作用下海上 10 MW 级特大型风力机 风荷载特性分析



目 次

- 台风-浪-流耦合作用下海上10 MW级特大型风力机风荷载特性分析 柯世堂, 王硕, 赵永发, 等(299)
Scruton数对小宽高比H型断面典型攻角风致振动的影响 高广中, 韦立博, 马腾飞, 等(311)
宽高比5:1矩形断面涡激振动锁定区间内涡激力展向相关性分析 温青, 龙航, 华旭刚, 等(319)
矩形平面超高层建筑横风向气动力谱的神经网络预测 王奕可, 谢壮宁, 黄用军(326)
不同排列小间距双方柱涡激振动数值模拟研究 邬益东, 李海泉, 王晓欣, 等(334)
长周期地震动下软夹层地基的层间隔震结构振动台试验研究 吴应雄, 陈劲杨, 方泓杰, 等(345)
框架-分布摇摆芯筒-核心筒结构体系减震机理分析及应用 陈易飞, 何浩祥, 王宝顺, 等(357)
考虑损伤效应的弯曲破坏型腐蚀RC柱恢复力模型 尚志刚, 郑山锁, 郑淏, 等(369)
采用不同隔震形式的双层地铁地下车站结构地震反应分析 庄海洋, 李晨, 王伟, 等(379)
结构恢复力非参数化模型识别的改进容积卡尔曼滤波方法 杜义邦, 许斌, 赵冶, 等(389)
基于地震动加速度反应谱的三维隔震结构摇摆性能研究 石运东, 王宇辰, 王旋, 等(400)
坡形场地对海底地震动的影响 陈宝魁, 黄怡, 陈少林, 等(410)
转动地震动作用对结构动力响应影响分析 韩森, 刘永波, 杜红凯, 等(419)
锚索肋板式拦石墙结构稳定性及动力响应研究 刘奇, 刘先峰, 李建国, 等(427)
考虑桩土非完全粘结及桩底土波动效应的浮承桩纵向振动特性研究 孟坤, 崔春义, 许成顺, 等(435)
非饱和土地基中P₁波通过复合多层波阻板的传播特性研究 舒进辉, 马强, 张吾渝(445)
中小跨径桥梁结构健康监测系统轻量化设计方法 伊廷华, 郑旭, 杨东辉, 等(458)
桥梁车辆荷载识别的贝叶斯方法研究 茅建校, 庞振浩, 王浩, 等(467)
利用模态应变能变化率的结构损伤识别优化方法 缪炳荣, 张盈, 黄仲, 等(477)
随机车载激励的斜拉索非线性振动响应极值预测 赵辉, 陈水生, 李锦华, 等(487)
利用改进交叉模型交叉模态的随机模型修正方法 王炎, 陈辉, 黄斌, 等(498)
随机振动下产品包装系统传递路径分析 陈俊菲, 张元标, 林聪(507)
应用Python-GPU求解的实时混合试验方法研究 董晓辉, 唐贞云, 李振宝, 等(517)
热环境下功能梯度圆柱壳振动特性分析 石先杰, 左朋(526)
正交球面波源的近场声全息射线波函数波叠加法 石梓玉, 向宇, 陆静, 等(534)
三维自由空间中指向性信息未知偶极声源的等效源识别方法 徐滢, 张小正, 王帅, 等(545)
磁悬浮流体机械喘振控制研究 关旭东, 周瑾, 金超武, 等(554)
深度嵌入度量学习的机械跨工况故障识别方法 韩特, 刘超, 沈长青, 等(565)
无限隐Markov模型在缺失数据轴承退化趋势预测中的应用 李志农, 李舒扬, 柳宝, 等(574)
一种用于滚动轴承故障诊断的脉冲增强提取方法 冯坤, 李业政, 胡明辉(582)

CONTENTS

Wind load characteristics of 10 MW-level super-large offshore wind turbine under the coupling effect of typhoon-wave-current..... <i>KE Shi-tang, WANG Shuo, ZHAO Yong-fa, et al</i> (299)
Influence of Scruton number on wind-induced vibration of H-section with a small side ratio under large wind angles of attack <i>GAO Guang-zhong, WEI Li-bo, MA Teng-fei, et al</i> (311)
Spanwise correlation of aerodynamic forces in the lock-in region of VIV for 5:1 rectangular cylinder <i>WEN Qing, LONG Hang, HUA Xu-gang, et al</i> (319)
Neural network prediction of across-wind aerodynamic spectrum of rectangular plane super high-rise buildings <i>WANG Yi-ke, XIE Zhuang-ning, HUANG Yong-jun</i> (326)
Numerical simulation on vortex-induced vibration of two square cylinders with small spacing in different arrangement <i>WU Yi-dong, LI Hai-quan, WANG Xiao-xin, et al</i> (334)
Shaking table test of inter-story isolation structure on a soft interlayer ground under long-period ground motion <i>WU Ying-xiong, CHEN Jin-yang, FANG Hong-jie, et al</i> (345)
Damping mechanism analysis and application of frame-distributed rocking tube-core tube structure system <i>CHEN Yi-fei, HE Hao-xiang, WANG Bao-shun, et al</i> (357)
Restoring force model of corroded RC columns with bending failure considering damage effects <i>SHANG Zhi-gang, ZHENG Shan-suo, ZHENG Hao, et al</i> (369)
Comparative analysis on seismic performance of two-story subway underground station structures with different isolating systems <i>ZHUANG Hai-yang, LI Sheng, WANG Wei, et al</i> (379)
Nonparametric identification of structural nonlinear restoring force based on an updated cubature Kalman filter <i>DU Yi-bang, XU Bin, ZHAO Ye, et al</i> (389)
Rocking performance of three-dimensional base isolated structures based on acceleration response spectra <i>SHI Yun-dong, WANG Yu-chen, WANG Xuan, et al</i> (400)
Influence of slope sites on offshore ground motion <i>CHEN Bao-kui, HUANG Yi, CHEN Shao-lin, et al</i> (410)
Analysis of the influence of rotational ground motion on the dynamic response of the structure <i>HAN Miao, LIU Yong-bo, DU Hong-kai, et al</i> (419)
Structural stability and dynamic response of anchor cable ribbed rockfall embankments <i>LIU Qi, LIU Xian-feng, LI Jian-guo, et al</i> (427)
Vertical vibration characteristics for floating pile considering the incomplete bonding condition of pile-soil and the wave propagation effect of soil beneath pile <i>MENG Kun, CUI Chun-yi, XU Cheng-shun, et al</i> (435)
Propagation behavior of P ₁ -wave passing through composite multilayer wave impeding block in unsaturated soil <i>SHU Jin-hui, MA Qiang, ZHANG Wu-yu</i> (445)
Lightweight design method for structural health monitoring system of short- and medium-span bridges <i>YI Ting-hua, ZHENG Xu, YANG Dong-hui, et al</i> (458)
Research on Bayesian method for identifying the vehicle loads on the bridge <i>MAO Jian-xiao, PANG Zhen-hao, WANG Hao, et al</i> (467)
Structural damage identification optimization method using change rate of modal strain energy <i>MAO Bing-rong, ZHANG Ying, HUANG Zhong, et al</i> (477)
Extreme prediction of nonlinear vibration response of stay cable under random vehicle excitation <i>ZHAO Hui, CHEN Shui-sheng, LI Jin-hua, et al</i> (487)
Stochastic model updating method using the improved cross-model cross-mode technique <i>WANG Yan, CHEN Hui, HUANG Bin, et al</i> (498)
Transfer path analysis of product packaging system under random vibration <i>CHEN Jun-fei, ZHANG Yuan-biao, LIN Cong</i> (507)
Research on real-time hybrid simulation by Python-GPU computing <i>DONG Xiao-hui, TANG Zhen-yun, LI Zhen-bao, et al</i> (517)
Vibration analysis of functionally graded cylindrical shell under thermal environment <i>SHI Xian-jie, ZUO Peng</i> (526)
Wave superposition method with ray wave functions for near-field acoustic holography based on orthogonal spherical wave sources <i>SHI Zi-yu, XIANG Yu, LU Jing, et al</i> (534)
The equivalent source method for identifying dipoles with unknown directivity in three-dimensional free space <i>XU Ying, ZHANG Xiao-zheng, WANG Shuai, et al</i> (545)
Surge control of magnetic suspension fluid machinery <i>GUAN Xu-dong, ZHOU Jin, JIN Chao-wu, et al</i> (554)
Deep embedding metric learning for machinery fault identification across different working conditions <i>HAN Te, LIU Chao, SHEN Chang-qing, et al</i> (565)
Infinite hidden Markov model and its application in the prediction of bearing degradation trends with missing data <i>LI Zhi-nong, LI Shu-yang, LIU Bao, et al</i> (574)
A pulse enhancement extraction method for fault diagnosis of rolling bearing <i>FENG Kun, LI Ye-zheng, HU Ming-hui</i> (582)

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：胡海岩 1987 年 11 月创刊

第 36 卷第 2 期 2023 年 4 月出版

JOURNAL OF VIBRATION ENGINEERING

(Bimonthly)

Editor-in-chief: Hu Hai-yan

First Issue: November 1987

Vol. 36 No. 2 Apr. 2023

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：南京百花彩色印刷广告制作有限责任公司

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: Nanjing Baihua Print Advertising Limited
Liability Company

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://zdxb.nuaa.edu.cn>

E-mail: zdxb@nuaa.edu.cn

刊号：ISSN1004-4523
CN32-1349/TB

国内邮发代号：28-249

国外发行代号：4819Q

定价：40.00 元

ISSN 1004-4523

