

中文核心期刊
原《中国科技论文在线》

ISSN 2095-2783
CN 10-1033/N
CODEN ZKLHAF

中国科技论文

ZHONGGUO KEJI LUNWEN

中华人民共和国教育部 主管 教育部科技发展中心 主办

工程技术

ENGINEERING & TECHNOLOGY



CHINA
SCIENCEPAPER

2023

第18卷 第4期 2023年4月
Vol.18 No.4 Apr. 2023

中国科技论文

CHINA SCIENCEPAPER

第十八卷

第四期

二〇二三年四月

Vol. 18 No. 4 Apr. 2023



目次

中 国 科 技 论 文

第 18 卷
第 4 期
2023

大跨度高低塔斜拉桥车-桥动力响应 王俊新, 周建庭, 吴月星, 陈兆玮, 李 轩 (351)
串联隔震构件恢复力计算模型试验研究 赵丽洁, 张子辉, 沈金生, 景烜光, 朱崎峰 (358)
红层地区基坑锚杆抗拔承载力及计算参数时变特性 刘晓明, 刘 舒, 杨 康 (366)
混凝土超声测试温度效应量化方法与实验验证 郑 昱, 陈 鹏, 彭 宇, 张后丽 (372)
体内布索立体桁架挠度简化计算及性能分析 史刘可, 贺拥军 (378)
螺旋型能量桩热-力响应原位试验研究 常 虹, 王浩全, 王 琰, 沈凤全, 朱万里 (386)
输电杆塔根键式基础抗拔承载特性 马泽慧, 王俊杰, 黄雪峰, 陈思良, 袁 俊 (393)
混掺精细钢纤维/PVA 纤维水泥基复合材料单轴拉伸试验及本构关系 刘雁宁, 李 辉, 李海旺 (400)
基于可靠度的旧水泥路面加铺层设计优化 马士宾, 刘月钊, 牛宗岳, 王 鹏, 徐梓菲 (405)
基于沥青路面温度特征的沥青混合料冻融损伤分析 司 伟, 罗 丹, 王 锐, 李 鑫, 李政雄, 刘 哲, 马 龔 (413)
长大纵坡水泥混凝土路面沥青加铺层性能 徐金枝, 马海冰, 张 扬 (422)
多空洞缺陷对隧道地震响应影响分析 尤冬梅, 高 峰, 岳善钧, 黄 亮 (430)
车轴表面缺陷位置晶体塑性本构模型及力学特性分析 周素霞, 刘静远, 张 昭 (437)
基于冲击振动疲劳分析的自动垂钻与多维减振联合提速系统冲击频率优选 崔富凯, 曹宇光, 倪红坚, 张 恒 (443)
面向离散模型的 B-rep 构建、特征简化及网格生成方法 郭宇飞, 孙科武, 赵荣利, 王英雷, 陈元培, 王智斌 (449)
双定子无刷双馈发电机电磁分析与实验研究 蒋晓东, 吕 森 (455)
一种基于机器视觉和深度残差收缩网络的智能制造缺陷检测方法 刘汉举 (462)

CONTENTS

- Train-bridge dynamic response of long-span cable-stayed bridge with unequal-height towers
..... WANG Junxin, ZHOU Jianting, WU Yuexing, CHEN Zhaowei, LI Xuan (351)
- Research on hysteretic restoring force model of series isolation components
..... ZHAO Lijie, ZHANG Zihui, SHEN Jinsheng, JING Xuanguang, ZHU Qifeng (358)
- Time-varying characteristics of pullout bearing capacity and calculation parameters of excavation anchors
in the red bed area LIU Xiaoming, LIU Shu, YANG Kang (366)
- Quantitative method and experimental verification of temperature effect in concrete ultrasonic test
..... ZHENG Gang, CHEN Peng, PENG Yu, ZHANG Houli (372)
- Simplified calculation and performance analysis for deflection of 3D truss with internal cables
..... SHI Liuke, HE Yongjun (378)
- In-situ test study on thermal-mechanical response of spiral energy pile
..... CHANG Hong, WANG Haoquan, WANG Yan, SHEN Fengquan, ZHU Wanli (386)
- Uplift bearing characteristics of root foundation of transmission pole tower
..... MA Zehui, WANG Junjie, HUANG Xuefeng, CHEN Siliang, YUAN Jun (393)
- Uniaxial tensile test and constitutive relation of reinforced cement-based composites with fine steel
fiber and PVA fiber LIU Yanning, LI Hui, LI Haiwang (400)
- Optimization of overlay design of old cement pavement based on reliability
..... MA Shibin, LIU Yuezhao, NIU Zongyue, WANG Peng, XU Zifei (405)
- Freeze-thaw degradation analysis of asphalt mixture based on the temperature characteristics of asphalt
pavement SI Wei, LUO Dan, WANG Rui, LI Xin, LI Zhengxiong, LIU Zhe, MA Biao (413)
- Performance of long longitudinal slope cement concrete pavement asphalt overlay
..... XU Jinzhi, MA Haibing, ZHANG Yang (422)
- Analysis of influence of multi-cavity defects on seismic response of tunnel
..... YOU Dongmei, GAO Feng, YUE Shanjun, HUANG Liang (430)
- Crystal plastic constitutive model and mechanical properties analysis of axle surface defects location
..... ZHOU Suxia, LIU Jingyuan, ZHANG Zhao (437)
- Shock frequency optimization of automatic vertical drilling and multi-dimensional vibration reduction
combined speed-up system based on shock and vibration fatigue analysis
..... CUI Fukai, CAO Yuguang, NI Hongjian, ZHANG Heng (443)
- B-rep construction, defeaturing and meshing algorithms for discretized models
..... GUO Yufei, SUN Kewu, ZHAO Rongli, WANG Yinglei,
CHEN Yuanpei, WANG Zhibin (449)
- Electromagnetic analysis and experimental study of double stator brushless doubly-fed generator
..... JIANG Xiaodong, LÜ Sen (455)
- An intelligent manufacturing defect detection method based on machine vision and deep residual
shrinkage networks LIU Hanju (462)