

## 目次

### 高速铁路技术

- 高速铁路无砟轨道膨胀土地基膨胀量计算模型.....薛彦瑾,王起才,张戎令,王冲,王炳忠,李进前(1347)
- 高速铁路空沟减隔振效果及影响因素数值分析.....张雷刚,刘晶磊,宋绪国,侯恩品,赵敏(1354)
- 高铁长大隧道洞内 CPII 网分段建网方案探讨.....王建成,刘成龙,杨思山,刘志(1361)
- 基于灰主成分分析法的变形信息提取研究.....张拯,张献州,罗保林,刘伟,吴开岩(1369)

### 轨道与基础

- 高承台桩基的动力屈曲分析.....熊辉,陈国开(1376)
- 煤矸石组合式加筋挡土墙现场试验研究.....杨果林,张梓振,杜勇立,林宇亮(1382)
- 养护条件对矿物掺合料混凝土碳化性能的影响.....罗果,刘宝举,贺益田(1391)
- 细砂型泥石流诱发机制试验研究及数值分析.....姚志雄(1398)
- 横观各向同性岩体内时损伤本构模型研究.....刘运思,王世鸣,郭志广,岳健,颜世军(1407)
- 纤维水泥土无侧限抗压强度试验研究.....阮波,邓林飞,马超,李方星,邓威(1415)
- 不同特征滤膜真空预压处理吹填土的模型试验研究.....罗斌,雷金山,唐晶(1420)
- 基于 GA 算法与有限元耦合的岩土力学参数应力反分析方法研究.....袁振华,卢伟(1428)
- 非饱和黏性土土水特征曲线的分形特性研究.....冯君,巫锡勇,孟少伟(1435)

## 桥梁隧道与结构

- 考虑车辆运行参数变化的悬索桥车激振动分析·····王贵春,张校卫(1442)
- 公路桥梁 2 种车桥耦合振动分析方法的对比研究·····陈代海,李整,刘琼,曹恒涛,张超(1449)
- 山区非等高三塔斜拉桥纵向抗震约束体系研究·····陈应高,盖永斌,何旭辉,杨健,杨鸿波(1457)
- 三塔四跨单索面大翼缘矮塔斜拉桥塔墩梁固结区域局部应力分析·····彭定成,杨孟刚,孟栋梁(1465)
- 连续刚构桥主梁设计参数优化方法研究·····吴俊骥,刘汉锡,王惠队,邓海波,肖和华(1473)
- 拼宽 T 梁桥基础容许沉降差分析·····王阳,王威,邬晓光,贺攀,钱若霖(1481)
- 盾构下穿流塑状残积粉质黏土地层扰动规律研究·····梁新权,傅鹤林,蒋华春,张加兵,陈琛(1489)
- 盾构隧道环向接头等效刚度修正计算及其影响因素研究·····杨春山,莫海鸿,魏立新(1497)
- 基于翘曲位移函数的框筒结构剪力滞后效应研究·····李耀庄,翟治鹏,项正良(1505)
- 基于能量原理的空间结构无应力状态平衡方程推导·····孙志伟,杜仕朝,康春霞,刘仲洋,邬晓光(1512)

## 机车车辆与设备

- 基于综合评价指数的捣固维修作业时机决策方法·····邱俊兴,许玉德,李海锋,沈坚锋(1519)
- 钢轨铣磨车非对称成型铣削方法研究·····潘超(1526)
- 基于铁道 OFDM 系统的信道估计改进算法的研究·····金咪,徐岩(1531)

## 运输·物流·工程管理

- 基于时间序列的编组站中时排异重塑预测方法·····张晓栋,董宝田,陈光伟(1538)
- 普铁和高速巴士竞争下旅客出行选择行为机理·····李晓伟,王伟,杨敏,王昊,徐铖铖(1546)
- 现代有轨电车时刻表与操纵节能协同优化·····李佳杰,柏 ,邱宇,曹耘文,贾文峥(1552)
- 区域城市化下高速公路改建策略·····杨春风,苗大萍,靳灿章(1559)

---

责任编辑:蒋学东 英文编审:肖源杰 封面设计:刘 谊

期刊基本参数:CN43-1423/U\*2004\*m\*A4\*218\*zh\*P\*¥20.00\*1500\*30\*2017-07

## CONTENTS

### High-speed Rail Technology

- Calculation model of expansive soil foundation for ballastless track of high-speed railway  
.....XUE Yanjin, WANG Qicai, ZHANG Rongling, WANG Chong, WANG Bingzhong, LI Jinqian(1347)
- The numerical analysis of effect and influencing factor of vibration reduction by open trench on high-speed railway  
.....ZHANG Leigang, LIU Jinglei, SONG Xuguo, HOU Enpin, ZHAO Min(1354)
- A discussion of multi-segments networking of CPII control network in the long high-speed railway tunnels  
.....WANG Jiancheng, LIU Chenglong, YANG Sishan, LIU Zhi(1361)
- Research on the extraction of deformation information with gray principal component analysis  
.....ZHANG Zheng, ZHANG Xianzhou, LUO Baolin, LIU Wei, WU Kaiyan(1369)

### Track and Foundation

- Dynamic bucking analysis of pile foundations with elevated caps.....XIONG Hui, CHEN Guokai(1376)
- Study of coal gangue composite reinforced retaining wall embankment slope by using site tests  
.....YANG Guolin, ZHANG Zizhen, DU Yongli, LIN Yuliang(1382)
- Effect of curing conditions on the carbonation properties of concrete with mineral admixtures  
.....LUO Guo, LIU Baoju, HE Yitian(1391)
- Experimental study and numerical analysis on triggering mechanism of fine-grained sand debris flow.....YAO Zhixiong(1398)
- Endochronic damage constitutive model of transversely isotropic rock  
.....LIU Yunsi, WANG Shiming, GUO Zhiguang, YUE Jian, YAN Shijun(1407)
- Experimental study on unconfined compressive strength of fiber reinforced cement soil  
.....RUAN Bo, DENG Linfei, MA Chao, LI Fangxing, DENG Wei(1415)
- Model test of dredger fill of treatment using vacuum preloading method base on different equivalent opening size  
.....LUO Bin, LEI Jinshan, TANG Jing(1420)
- Study on the stress inverse method of mechanical parameters based on coupling of genetic algorithm and finite element  
.....YUAN Zhenhua, LU Wei(1428)
- Study on the fractal characteristics of soil water characteristic curves of unsaturated clay soil  
.....FENG Jun, WU Xiyong, MENG Shaowei(1435)

## Bridge, Tunnel and Structure

- The analysis on vehicle-excited vibration of suspension bridge considering variation of vehicle operational parameters  
.....WANG Guichun, ZHANG Xiaowei(1442)
- Comparative research on two analysis methods for vehicle-bridge coupling vibration of highway bridges  
.....CHEN Daihai, LI Zheng, LIU Qiong, CAO Hengtao, ZHANG Chao(1449)
- Research on the longitudinal seismic constraint systems of mountain cable-stayed bridge with three different-height pylons  
.....CHEN Yinggao, GAI Yongbin, HE Xuhui, YANG Jian, YANG Hongbo(1457)
- Analysis on stress of pylon-pier-girder rigid region of four-span extradosed cable-stayed bridge with three pylons, single cable plane and long flange.....PENG Dingcheng, YANG Menggang, MENG Dongliang(1465)
- Study on optimization method for design parameters of main beam of continuous rigid frame bridge  
.....WU Junguo, LIU Hanxi, WANG Huidui, DENG Haibo, XIAO Hehua(1473)
- Analysis of allowable settlement difference of widening T-beam bridge  
.....WANG Yang, WANG Wei, WU Xiaoguang, HE Pan, QIAN Ruolin(1481)
- Research on ground disturbance induced by shield tunneling in flow plastic residual silty clay stratum  
.....LIANG Xinquan, FU Helin, JIANG Huachun, ZHANG Jiabing, CHEN Chen(1489)
- Correction calculation for circumferential equivalent bolt stiffness of shield tunnel and the analysis of its influencing factors  
.....YANG Chunshan, MO Haihong, WEI Lixin(1497)
- Research on shear lag effect of frame tube structure based on warping displacement function  
.....LI Yaozhuang, ZHAI Zhipeng, XIANG Zhengliang(1505)
- Derivation of equilibrium equation of space beam element based on principle of potential energy  
.....SUN Zhiwei, DU Shizhao, KANG Chunxia, LIU Zhongyang, WU Xiaoguang(1512)

## Vehicles and Equipment

- Maintenance decision method based on the tamping comprehensive evaluation index  
.....QIU Junxing, XU Yude, LI Haifeng, SHENG Jianfeng(1519)
- Method of asymmetric profile forming milling for rail milling train.....PAN Chao(1526)
- The improved channel estimation algorithm for railway OFDM system.....JIN Mi, XU Yan(1531)

## Transportation · Logistics · Engineering Management

- Marshalling yard transit time rejection recast forecast method based on time series analysis  
.....ZHANG Xiaodong, DONG Baotian, CHEN Guangwei(1538)
- The passenger travel choice behavior mechanism under the competition of common rail and express bus  
.....LI Xiaowei, WANG Wei, YANG Min, WANG Hao, XU Chengcheng(1546)
- Coordinated optimization of modern tram control and timetable for energy saving  
.....LI Jiajie, BAI Yun, QIU Yu, CAO Yunwen, JIA Wenzheng(1552)
- Strategy of freeway reconstruction under regional urbanization  
.....YANG Chunfeng, MIAO Daping, JIN Canzhang(1559)