

西南交通大学学报

第 54 卷 第 3 期 2019 年 6 月

目 次

新型装配式 UHPC 华夫型上翼缘组合梁受力性能	张清华, 韩少辉, 贾东林, 等	445
基于相位差谱的非平稳地震波合成及应用	贾宏宇, 蓝先林, 陈航, 等	453
盾构施工对盾尾浆液压力波动变化的影响	王明年, 黄海斌, 汤渊, 等	461
钢管混凝土柱徐变稳定性分析	赵人达, 吴德宝, 王永宝, 等	468
基于磁悬浮技术的建筑隔震研究进展	潘毅, 周盟, 郭瑞, 等	475
矩形钢管高强混凝土框架抗震性能分析	管民生, 黄献奇, 杜宏彪, 等	483
解析型 Timoshenko 梁有限单元	许晶, 李世尧, 王斌泰, 等	492
基于 CDEM 的砂卵石地层盾构开挖面稳定性分析	薛亚东, 张森, 李兴, 等	499
浅埋盾构穿越渗透性地层时极限支护压力分析	曹利强, 张顶立, 李新宇, 等	507
牵引式滑坡后缘破裂面计算方法	孙立娟, 崔凯, 杨涛, 等	516
大理岩真三轴单面卸荷条件下加卸载试验研究	许文松, 赵光明, 孟祥瑞, 等	526
高速列车传动系可靠性的外部影响因素评估	刘玉梅, 陈云, 赵聪聪, 等	535
深切峡谷桥址区高空风特性现场实测研究	张明金, 李永乐, 余传锦, 等	542
钢筋混凝土梁托柱转换结构节点耐火性能分析	孔维一, 傅传国, 刘伟庆	548
布敦岩沥青无机粉粒微观特征及改性机理	吴怀睿, 叶奋, 徐骁龙	556
随机时变车辆路径问题的多目标鲁棒优化方法	段征宇, 雷曾翔, 孙硕, 等	565
基于形式化方法的道口控制系统规范建模与验证	王恪铭, 王峥	573
高铁运营安全监督博弈演化的系统动力学分析	李科宏, 张亚东, 郭进, 等	579
考虑客流引导和小群体行为的地铁车站疏散模型	李芳, 狄月, 陈绍宽, 等	587
大规模定制环境下基于公理设计的物流系统评价	陈茂禄, 王增强, 蒲云	595
基于粒子滤波联合算法的地磁室内定位	黄鹤, 仇凯悦, 李维, 等	604
动态环境感知的多目标室内路径规划方法	周艳, 陈红, 张叶廷, 等	611
我国重载货车转向架曲线性能对比仿真	杨春雷, 黄运华, 李芾	619
铁路货车车体线路动态响应仿真与验证	于跃斌, 赵尚超, 李向伟, 等	626
基于 EEMD-Hilbert 和 FWA-SVM 的滚动轴承故障诊断方法	张敏, 蔡振宇, 包珊珊	633
基于高斯混合部件模型的铁路扣件检测	何彪, 李柏林, 罗建桥, 等	640
基于深度学习的文本情感分析并行化算法	翟东海, 侯佳林, 刘月	647
磷受控对酿酒废水-微藻培育耦合体系的影响	余江, 陶红群, 王亚婷, 等	655

[期刊基本参数] CN 51 - 1277/U * 1954 * b * A4 * 218 * zh * P * ¥ 12.00 * 1000 * 28 * 2019-06
[本期责任编辑] 秦瑜 李永辉

JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY

Vol. 54 No. 3 Jun. 2019

CONTENTS

Mechanical Performance of Novel Prefabricated Composite Girder with Top Flange of Ultra High Performance Concrete Waffle Deck Panel	ZHANG Qinghua, HAN Shaohui, JIA Donglin, et al	445
Synthesis of Non-Stationary Seismic Waves Based on Phase Difference Spectrum and Its Application	JIA Hongyu, LAN Xianlin, CHEN Hang, et al	453
Influence of Shield Construction on Pressure Fluctuation of Segment Grout	WANG Mingnian, HUANG Haibin, TANG Yuan, et al	461
Creep Buckling Analysis of Concrete-Filled Steel Tubular Columns	ZHAO Renda, WU Debao, WANG Yongbao, et al	468
Research Progress on Building Isolation Based on Electromagnetic Levitation Techniques	PAN Yi, ZHOU Meng, GUO Rui, et al	475
Seismic Behavior of Rectangular High-Strength Concrete-Filled Steel Tube Frame Structure	GUAN Minsheng, HUANG Xianqi, DU Hongbiao, et al	483
Analytical Finite Element for Timoshenko Beams	XU Jing, LI Shiyao, WANG Bintai, et al	492
Face Stability of Shield Tunnel in Sandy Cobble Stratum with Continuum-Based Discrete Element Method	XUE Yadong, ZHANG Sen, LI Xing, et al	499
Analysis of Limit Support Pressure due to Shield Tunnelling with Shallow Overburden under Seepage	CAO Liqiang, ZHANG Dingli, LI Xinyu, et al	507
Calculation Method of Trailing Edge Failure Surface of Retrogressive Landslide	SUN Lijuan, CUI Kai, YANG Tao, et al	516
Test Study on True-Triaxial Loading and Unloading for Marble with Unloaded Single Face	XU Wensong, ZHAO Guangming, MENG Xiangrui, et al	526
Assessment for External Influence Factors of High-Speed Train Transmission Reliability	LIU Yumei, CHEN Yun, ZHAO Congcong, et al	535
Field Measurements Study on High-Altitude Wind Characteristics of Bridge Site in Deep Gorge	ZHANG Mingjin, LI Yongle, YU Chuanjin, et al	542
Fire Resistance Analysis of RC Beam Supporting Column Transfer Structure Joints	KONG Weiyi, LIU Weiqing, FU Chuanguo	548
Microstructural Characteristics and Modification Mechanism of Inorganic Fine Particles in Buton Rock Asphalt	WU Huairui, YE Fen, XU Xiaolong	556
Multi-Objective Robust Optimisation Method for Stochastic Time-Dependent Vehicle Routing Problem	DUAN Zhengyu, LEI Zengxiang, SUN Shuo, et al	565
Modeling and Verification of Control System Specification for Railway Level Crossings Based on Formal Method	WANG Keming, WANG Zheng	573
System Dynamics Analysis Method of Evolutionary Game Dynamics for Supervision of High-Speed Railway Operation Safety	LI Kehong, ZHANG Yadong, GUO Jin, et al	579
Modelling Passenger Evacuation from Metro Platforms Considering Passenger Flow Guidance and Small Group Behaviour	LI Fang, DI Yue, CHEN Shaokuan, et al	587
Axiomatic Design Based Logistics System Evaluation in Mass Customization Context	CHEN Maolu, WANG Zengqiang, PU Yun	595
Indoor Geomagnetic Positioning Based on Joint Algorithm of Particle Filter	HUANG He, QIU Kaiyue, LI Wei, et al	604
Multi-objective Indoor Path Planning Method with Dynamic Environment Awareness	ZHOU Yan, CHEN Hong, ZHANG Yeting, et al	611
Comparative Study on the Curving Performance of Chinese Railway Heavy Haul Freight Bogies	YANG Chunlei, HUANG Yunhua, LI Fu	619
Simulation and Verification of Dynamic Response of Railway Wagon on Railway Track	YU Yuebin, ZHAO Shangchao, LI Xiangwei, et al	626
Fault Diagnosis of Rolling Bearing Based on EEMD-Hilbert and FWA-SVM	ZHANG Min, CAI Zhenyu, BAO Shanshan	633
Railway Fastener Detection Using Gaussian Mixture Part Model	HE Biao, LI Bailin, LUO Jianqiao, et al	640
Parallel Algorithms for Text Sentiment Analysis Based on Deep Learning	ZHAI Donghai, HOU Jialin, LIU Yue	647
Influence of Phosphorus Control on Coupling System of Winery Wastewater and Microalgae Cultivation	YU Jiang, TAO Hongqun, WANG Yating, et al	655