

ISSN 0258-2724

CN 51-1277/U

CODEN XJDXEW

西南交通大学学报

JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY

2016年8月 第51卷 第4期

Vol. 51 No.4 Aug. 2016



Ei Compendex 收录期刊

中文核心期刊

中国科学引文数据库(CSCD)来源期刊

中国科技论文统计源期刊

德国数学文摘(Zbl MATH)收录期刊

万方数据

4

2016

中国 成都

西南交通大学学报

第 51 卷 第 4 期 2016 年 8 月

目 次

浅埋圆形复合式衬砌隧道动应力响应研究·····	高 波,王帅帅	599
高海拔地区高速铁路隧道空气动力学特性·····	骆建军	607
公路隧道横通道人员疏散行为及通行能力实验研究·····	张玉春,向 月,何 川,等	615
考虑横向预应力效应的钢-混组合梁桥 PBL 剪力键试验研究·····	祝 兵,王学伟	621
超高车辆撞击预应力箱型梁桥上部结构的动态响应·····	田 力,冯振宁	632
主梁新细节的疲劳寿命预测及参数分析·····	廖 平,肖 林,卫 星,等	639
轮胎侧偏特性对过桥车辆行车舒适性评价的影响·····	陈 宁,李永乐,向天宇	645
山区地形对桥位风场影响的数值模拟·····	于舰涵,李明水,廖海黎	654
基于 GARCH 的短时风速预测方法·····	姜 言,黄国庆,彭新艳,等	663
考虑横观各向同性疲劳损伤的沥青路面数值模型·····	刘俊卿,李 倩,王保实	670
槽和黏层油对沥青混合料层间抗剪性能的影响·····	刘红坡,邱延峻,蒋 鑫	677
拼装式铝道面板下土基变形预测模型·····	周少辉,蔡良才,许 巍,等	684
短肢剪力墙抗震性能理论分析与数值模拟·····	刘成清,韦小丹,倪向勇	690
地震作用下加筋挡土墙稳定性分析·····	贾 亮,朱彦鹏,来春景	697
砖石结构古建筑震后破坏状态评估方法·····	潘 毅,李玲娇,姚蕴艺,等	704
一种民用气肋式膜结构建筑失效机理·····	何太碧,王 帅,晏启鹏,等	714
鱼脊型泥石流流水石分离结构中格栅跨度的研究·····	谢 涛,韦方强,杨红娟,等	721
颗粒破碎条件下的胶结砂力学行为·····	李 博,陈宇龙	729
消除相互影响的基波及谐波相量测量算法·····	梁建英,刘志明	736
新建电气化铁路牵引负荷预测·····	张丽艳,李群湛,朱 毅	743
真空管道 HTS 侧浮系统中线性电机起动特性研究·····	周大进,崔宸昱,马家庆,等	750
具有亚像素精度的冗余特征机器人视觉伺服控制·····	张国亮,王展妮,王 田,等	759
考虑传输函数特性的行波幅值比较式纵联保护原理·····	刘兴茂,林 圣,郑 高,等	767
自适应高斯遍历和声搜索物联网射频识别均衡优化·····	陈立伟,唐权华	776
基于能效的 D2D 通信系统中资源复用策略研究·····	刘衍平,方旭明	785
基于改进 SBELM 的耦合故障诊断方法·····	叶 青,刘长华,潘 昊	792
离场航空器四维航迹预测及不确定性分析·····	张军峰,葛腾腾,陈 强,等	800
基于贝叶斯估计的短时空域扇区交通流量预测·····	陈 丹,胡明华,张洪海,等	807

[期刊基本参数] CN 51-1277/U * 1954 * b * A4 * 216 * zh * P * ¥12.00 * 1000 * 28 * 2016-08

[本期责任编辑] 秦萍玲

JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY

Vol. 51 No.4 Aug. 2016

CONTENTS

Dynamic Response Study on Shallow Circular Composite-Lining Tunnels	GAO Bo, WANG Shuaishuai	599
Aerodynamic Effect Induced by High-Speed Train		
Entering into Tunnel in High Altitude Area	LUO Jianjun	607
Experimental Study on Pedestrian Behavior and		
Traffic Capacity of Cross Passage in Highway Tunnel	ZHANG Yuchun, XIANG Yue, HE Chuan, et al	615
Experimental Study on PBL Shear Connectors of Steel-Concrete		
Composite Bridge Considering Transverse Prestressing	ZHU Bing, WANG Xuewei	621
Dynamic Response of Superstructure of		
Prestressed Box-Girder Bridge to Over-High Truck Impact	TIAN Li, FENG Zhenning	632
Fatigue Life Prediction and Parameter Analysis of Girder New Detail	LIAO Ping, XIAO Lin, WEI Xing, et al	639
Influence of Tire Cornering Property		
on Ride Comfort Evaluation of Vehicles on Bridge	CHEN Ning, LI Yongle, XIANG Tianyu	645
Numerical Simulation of Effect of Mountainous Topography		
on Wind Field at Bridge Site	YU Jianhan, LI Mingshui, LIAO Haili	654
Method of Short-Term Wind Speed Forecasting Based on		
Generalized Autoregressive Conditional Heteroscedasticity Model	JIANG Yan, HUANG Guoqing, PENG Xinyan, et al	663
Numerical Model of Asphalt Pavement		
Considering Transversely Isotropic Fatigue Damage	LIU Junqing, LI Qian, WANG Baoshi	670
Effect of Notch and Tack Coat on the Interface		
Shear Performance between Asphalt Layers	LIU Hongpo, QIU Yanjun, JIANG Xin	677
Predictive Model of Subgrade Deformation Beneath		
Aluminum Sandwich Panel	ZHOU Shaohui, CAI Liangcai, XU Wei, et al	684
Seismic Performance of Short-Pier Shear Walls:		
Theoretical Analysis and Numerical Simulation	LIU Chengqing, WEI Xiaodan, NI Xiangyong	690
Stability Analysis of Reinforced Earth Retaining Wall under Earthquake	JIA Liang, ZHU Yanpeng, LAI Chunjing	697
Evaluation Methods for Post-Earthquake		
Damage State of Ancient Masonry Buildings	PAN Yi, LI Lingjiao, YAO Yunyi, et al	704
Failure Mechanism of		
Civil Membrane-Structure Architecture with Gas Rib	HE Taibi, WANG Shuai, YAN Qipeng, et al	714
Research on Grids Width of Herringbone Water-Sediment		
Separation Structure for Debris Flow Defense	XIE Tao, WEI Fangqiang, YANG Hongjuan, et al	721
Mechanical Behavior of Cemented Sand Considering Particle Breakage	LI Bo, CHEN Yulong	729
Algorithm for Eliminating Interactions Between		
Fundamental Wave and Harmonics in Phasor Estimation	LIANG Jianying, LIU Zhiming	736
Prediction of Traction Load for New Electrified Railway	ZHANG Liyan, LI Qunzhan, ZHU Yi	743
Starting Characteristics of Linear Motor in		
Evacuated Tube HTS Side-Suspended Maglev System	ZHOU Dajin, CUI Chenyu, MA Jiaqing, et al	750
Robot Visual Servoing Control		
Based on Redundant Features of Sub-pixel Accuracy	ZHANG Guoliang, WANG Zhanni, WANG Tian, et al	759
Pilot Protection Principle Based on Traveling Wave Amplitude		
Comparison Considering the Characteristics of Transfer Function	LIU Xingmao, LIN Sheng, ZHENG Gao, et al	767
Adaptive Optimization of Radio Frequency Identification with		
Gauss Traversal and Harmony Search Network in Internet of Things	CHEN Liwei, TANG Quanhua	776
Energy Efficiency Resource Reuse for Device-to-Device Communication	LIU Yanping, FANG Xuming	785
Simultaneous Fault Diagnosis Method Based on		
Improved Sparse Bayesian Extreme Learning Machine	YE Qing, LIU Changhua, PAN Hao	792
4D Trajectory Prediction and Uncertainty		
Analysis for Departure Aircraft	ZHANG Junfeng, GE Tengting, CHEN Qiang, et al	800
Short-Term Traffic Flow Prediction of Airspace Sectors		
Based on Bayesian Estimation Theory	CHEN Dan, HU Minghua, ZHANG Honghai, et al	807

西南交通大学学报
XINAN JIAOTONG DAXUE XUEBAO
(双月刊, 1954 年创刊)
第 51 卷 第 4 期 (总第 230 期) 2016 年 8 月

JOURNAL OF SOUTHWEST
JIAOTONG UNIVERSITY
(Bimonthly, Started in 1954)
Vol. 51 No.4 (Sum 230) Aug. 2016

主 编 翟婉明
主管单位 中华人民共和国教育部
主办单位 西南交通大学
编辑出版 西南交通大学学报编辑部
中国 成都 邮政编码 611175
电话 (028) 66367562, 66366845
传真 (028) 66366552
电子邮箱 xbz@home.swjtu.edu.cn
网址 journal.swjtu.edu.cn
印 刷 成都勤德印务有限公司
发行范围 公开发行
国内订购 全国各地邮政局
国内发行 成都市邮政局
国外发行 中国国际图书贸易总公司
(北京 399 信箱, 邮政编码 100044)
国外发行代号 BM853

Editor in Chief: ZHAI Wanming
Competent Authority: The Ministry of Education of P. R. C.
Sponsor: Southwest Jiaotong University
Editor and Publisher: Editorial Department of Journal
of Southwest Jiaotong University,
Chengdu, China, Postcode 611175
Tel: 86-28-66367562, 66366845
Fax: 86-28-66366552
E-mail: xbz@home.swjtu.edu.cn
http://journal.swjtu.edu.cn
Printing: Chengdu Qinde Printing Co., Ltd.
Domestic Subscription Office: All Local Post Offices
Domestic Distributor: Post Bureau of Chengdu City
Overseas Distributor: China International Book Trading
Corporation (P. O. Box 399, Beijing 100044, China)
Subscription Code BM853

ISSN 0258-2724
CN 51-1277/U

国内发行代号 62-104

国内定价:12.00 元

ISSN 0258-2724

