

ISSN 0258-2724
CN51-1277/U
CODEN XJDXEW

西南交通大学学报

JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY

2015年12月 第50卷 第6期
Vol. 50 No.6 Dec. 2015



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

6
2015
中国 成都

西南交通大学学报

第 50 卷 第 6 期(卷终) 2015 年 12 月

目次

局部应力差异对压杆弹性稳定的影响 李小珍,肖 军,刘德军,等 971

自然环境混凝土徐变试验和预测模型研究 杨永清,鲁薇薇,李晓斌,等 977

刚/柔性组合墙面加筋土挡墙受力机制分析..... 柳军修,陈建峰 984

不规则结构面剪切特性试验研究..... 张菊连,沈明荣,梁志荣 993

外激励作用下斜拉桥索-梁相关振动特性 王 涛,沈锐利 1001

正交异性钢桥面板焊接接头疲劳评估方法 崔 闯,刘益铭,廖贵星,等 1011

简支组合梁收缩徐变效应的精确与近似计算方法 周东华,韩春秀,杨天元,等 1018

结构动力抗震可靠度理论的研究进展 吕大刚,宋鹏彦,于晓辉,等 1025

尼泊尔 8.1 级地震文化遗产建筑震害调查与分析 潘 毅,谢 丹,袁 双,等 1039

不同分布随机参数结构非线性地震反应的概率密度演化..... 杨俊毅,陈建兵,李 杰 1047

汶川地震中九襄断裂对汉源烈度异常的影响 李 平,薄景山,袁一凡,等 1055

钙质泥岩水岩作用特征及遇水软化机理..... 王 振,沈明荣,刘 昂 1061

固定辙叉心轨顶降低值优化 曹 洋,王 平 1067

轮轨纵向几何不平顺对直线电机地铁车辆动态行为的影响 熊嘉阳,曹亚博,吴 磊,等 1074

低频域多模态制振轨道板设计 杨吉忠,张 雷,蔡成标,等 1082

含随机干扰的车辆跟随系统滑模控制 施继忠,张继业,徐晓惠,等 1088

基于模糊扩展卡尔曼滤波的轮毂电机驱动车辆纵向速度估计算法..... 王志福,刘明春,周 杨 1094

基于瞬态边界元法的箱梁声辐射..... 尹 铨,蔡成标,陈兆玮 1100

四角互联空气悬架系统平顺性与消扭特性 江 洪,钱 宽,朱 超,等 1106

插电式四驱混合动力汽车控制策略设计及优化..... 钱立军,邱利宏,辛付龙 1114

一种新型多核判别分析方法 梁 军,张飞云,陈 龙,等 1122

4 种车轮材料与 U71Mn 热轧钢轨匹配特性 刘吉华,王文健,刘启跃 1130

基于实测数据的高铁牵引变电所负序电流概率分析 王 斌,张 民,邱忠才,等 1137

IGBT 机理建模及其基于神经网络的参数辨识方法 孙 跃,谭晶晶,唐春森 1143

动态流量平衡阀启闭过程中的线弹性不等值力 李树勋,徐娟娟,范宜霖,等 1150

基于机载 LiDAR 和 Mean Shift 算法提取森林密度 陈 伟,杨敏华,洪奕丰,等 1156

基于投影寻踪动态聚类的快速路交通状态判别 邴其春,龚勃文,杨兆升,等 1164

基于冲击响应谱的高速火箭橇滑轨路谱分析..... 董龙雷,张静静,赵建平 1170

JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY

Vol. 50 No.6 Dec. 2015

CONTENTS

Influence of Local Stress Variance on Elastic Stability of Compression Bar	LI Xiaozhen, XIAO Jun, LIU Dejun, et al	971
Experimental Study and Prediction Model for Concrete Creep in Ambient Environment	YANG Yongqing, LU Weiwei, LI Xiaobin, et al	977
Mechanical Performance Analysis of Reinforced Soil Walls with Flexible/Rigid Facings	LIU Junxiu, CHEN Jianfeng	984
Experimental Study on Shear Strength Characteristics of Irregular Rock Mass Discontinuities	ZHANG Julian, SHEN Mingrong, LIANG Zhirong	993
Cable-Beam Vibration Characteristics of Cable-Stayed Bridge under External Excitations	WANG Tao, SHEN Ruili	1001
Fatigue Evaluation Approachs of Welded Joints on Orthotropic Steel Bridge Deck	CUI Chuang, LIU Yiming, LIAO Guixing, et al	1011
Precise and Approximate Methods to Calculate Shrinkage and Creep Effects of Simply-Supported Composite Beam	ZHOU Donghua, HAN Chunxiu, YANG Tianyuan, et al	1018
State-of-the-Art of Dynamic Seismic Reliability Theories of Structures	LÜ Dagang, SONG Pengyan, YU Xiaohui, et al	1025
Investagation and Analysis of Seismic Damage to Cultural Heritage Buildings Induced by Gorkha Earthquake, Nepal	PAN Yi, XIE Dan, YUAN Shuang, et al	1039
Probability Density Evolution Analysis of Nonlinear Seismic Response of Structures with Random Parameters Following Different Distributions	YANG Junyi, CHEN Jianbing, LI Jie	1047
Effects of Jiuxiang Fracture on Abnormal Intensity in Hanyuan during Wenchuan Earthquake	LI Ping, BO Jingshan, YUAN Yifan, et al	1055
Water-Rock Interaction Characteristics and Softening Mechanism of Calcareous Mudstone	WANG Zhen, SHEN Mingrong, LIU Ang	1061
Optimization of Nose Depth for Rigid Frog	CAO Yang, WANG Ping	1067
Effect of Longitudinal Geometric Irregularities of Wheel and Rail on Dynamic Behavior of Metro Vehicle Driven by Linear Motor	XIONG Jiayang, CAO Yabo, WU Lei, et al	1074
Multi-mode Vibration Attenuation Track in Low-Frequency Domain	YANG Jizhong, ZHANG Lei, CAI Chengbiao, et al	1082
Sliding Mode Control for Vehicle Following System with Stochastic Disturbances	SHI Jizhong, ZHANG Jiye, XU Xiaohui, et al	1088
Estimation of Longitudinal Speed of In-wheel Motor Driven Vehicle Using Fuzzy Extended Kalman Filter	WANG Zhifu, LIU Mingchun, ZHOU Yang	1094
Characteristics Analysis of Sound Radiation of Box Girder Based on Transient Boundary Element Method	YIN Qiang, CAI Chengbiao, CHEN Zhaowei	1100
Characteristics of Ride Comfort and Torsion Elimination of Four-Corner Interconnected Air Suspension System	JIANG Hong, QIAN Kuan, ZHU Chao, et al	1106
Design and Optimization of Control Strategy for Plug-in 4WD Hybrid Electric Vehicles	QIAN Lijun, QIU Lihong, XIN Fulong	1114
A New Multi-kernel Discriminant Analysis	LIANG Jun, ZHANG Feiyun, CHEN Long, et al	1122
Matching Characteristics between Four Kinds of Wheel Steels and U71Mn Hot-Rolled Rail	LIU Jihua, WANG Wenjian, LIU Qiyue	1130
Probability Analysis of Negative Phase-Sequence Current for High-Speed Railway Traction Substation Based on Measured Data	WANG Bin, ZHANG Ming, QIU Zhongcai, et al	1137
Physical Modeling of IGBT and Its Parameter Identification Method Based on Neural Network	SUN Yue, TAN Jingjing, TANG Chunsen	1143
Linear Elastic Nonequivalence Force for Dynamic Flow Balance Valve in Opening and Closing Process	LI Shuxun, XU Juanjuan, FAN Yilin, et al	1150
Extraction of Forest Density Based on Airborne LiDAR and Mean Shift Algorithms	CHEN Wei, YANG Minhua, HONG Yifeng, et al	1156
Traffic State Identification for Urban Expressway Based on Projection Pursuit Dynamic Cluster Model	BING Qichun, GONG Bowen, YANG Zhaosheng, et al	1164
Road Spectrum Analysis of High-Speed Rocket Sled Rail Based on Shock Response Spectrum	DONG Longlei, ZHANG Jingjing, ZHAO Jianping	1170

西南交通大学学报
XINAN JIAOTONG DAXUE XUEBAO
(双月刊, 1954 年创刊)
第 50 卷 第 6 期 (总第 226 期) 2015 年 12 月

JOURNAL OF SOUTHWEST
JIAOTONG UNIVERSITY
(Bimonthly, Started in 1954)
Vol. 50 No.6 (Sum 226) Dec. 2015

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
CN51-1277/U

国内发行代号 62-104

国内定价: 12.00 元

ISSN 0258-2724

