

百种中国杰出学术期刊

ISSN1002-0268

GJKEER

公路交通科技

JOURNAL OF HIGHWAY AND TRANSPORTATION
RESEARCH AND DEVELOPMENT

2019年1月 第36卷 第1期

Vol. 36 No. 1

ISSN 1002-0268



9 771002 026190

中华人民共和国交通运输部 主管
交通运输部公路科学研究所 主办

目 次

· 道路工程 ·

蒙脱土/SBS 复合改性沥青混合料路用性能研究	徐明非	郭 平	李 俊 (1)
TS 高黏度改性沥青的制备和 OGFC 混合料的路用性能	冯新军	解明卫	陈安迪 (8)
橡胶沥青混合料的动态弯拉模量研究	周梓豪	刘朝晖	王旭东 张晨晨 (16)
预湿轻细骨料内养护混凝土微观结构与渗透性能	袁英杰	郭为强	王坤林 魏 亚 (22)
基于支持向量机和改进 BP 神经网络的路基边坡稳定性研究	史笑凡	杨春风	王可意 (31)
基于上限分析法的含夹层边坡地震稳定性分析	牛 涌	杨兴振	赵建林 季文魁 (38)
含黏土封层泥岩路堤含水率变化规律及预估模型	刘 凯	戴冬凌	张明伟 王 芳 孙志彬 (46)
考虑 D - P 边界退化的冻风积土蠕变损伤规律研究	张向东	李 军	周军霞 孙汉东 杨宇婷 (55)

· 桥隧工程 ·

考虑全截面剪切变形效应的波形钢腹板箱梁挠度计算	柳兴成	蔺鹏臻	何志刚 (63)
紊流风特性参数对近流线形桥梁表面风压分布影响	白 桦	姬乃川	张亮亮 刘健新 何晗欣 (70)
自锚式悬索桥先斜拉后悬索的体系转换模拟			张海顺 王玉银 (78)
沥青混凝土小梁开裂损伤影响因素分析			张兰峰 庞立果 (87)
车辆荷载作用下损伤开裂筒支空心板的断裂力学特征			周术明 颜东煌 (94)
自然风对射流风机临界风速的影响	姜学鹏	张红新	景 安 (102)
盾构机前舱设备可视化检测系统研究与应用	石振明	刘 蓠	管圣功 吴全立 石新栋 (109)

· 交通工程 ·

事故再现复合形优化算法及其应用	张诗波	刘 澜	李平飞 王 琰 肖凌云 (117)
基于动态规划的信号配时滚动优化算法	姚志洪	蒋阳升	王 逸 赵 斌 谭 宇 (124)
欠发达地区中长距离出行方式选择行为机理研究			孙连娇 戴晓峰 陈 方 (131)
基于运行速度的高海拔地区一级公路长直线路段限速值	田 林	许金良	贾兴利 房建宏 (138)

· 汽车工程 ·

整体式梯形转向机构最优区域值计算和优化	胡亚辉	董 皓	张君安 (143)
---------------------------	-----	-----	-----------

· 运输经济 ·

城际货物运输联系的网络特性及空间组织优化研究	张 玲	郝京京	戴晓峰 (150)
------------------------------	-----	-----	-----------

CONTENTS

Study on Road Performance of Asphalt Mixture Composite Modified with Montmorillonite and SBS	XU Ming-fei, GUO Ping, LI Jun (1)
Preparation of TS High Viscosity Modified Asphalt and Pavement Performance of OGFC Mixture	FENG Xin-jun, XIE Ming-wei, CHEN An-di (8)
Study on Dynamic Flexural Modulus of Rubber Asphalt Mixture	ZHOU Zi-hao, LIU Zhao-hui, WANG Xu-dong, ZHANG Chen-chen (16)
Microstructure and Permeability of Internally Cured Concrete Made with Pre-wetted Lightweight Fine Aggregate	YUAN Ying-jie, GUO Wei-qiang, WANG Kun-lin, WEI Ya (22)
Study on Stability of Roadbed Slope Based on SVM and Improved BP Neural Network	SHI Xiao-fan, YANG Chun-feng, WANG Ke-yi (31)
Analysis on Seismic Stability of Slope Containing Interlayer Based on Upper Bound Analysis Method	NIU Yong, YANG Xing-zhen, ZHAO Jian-lin, JI Wen-kui (38)
Variation Rule and Prediction Model of Moisture Content of Mudstone Embankment Containing Clay Seal Coat	LIU Kai, DAI Dong-ling, ZHANG Ming-wei, WANG Fang, SUN Zhi-bin (46)
Study on Creep Damage Rule of Frozen Aeolian Soil Considering D - P Boundary Degradation	ZHANG Xiang-dong, LI Jun, ZHOU Jun-xia, SUN Han-dong, YANG Yu-ting (55)
Calculation of Deflection of Box Girder with Corrugated Steel Webs Considering Shear Deformation Effect of Whole Section	LIU Xing-cheng, LIN Peng-zhen, HE Zhi-gang (63)
Influence of Turbulent Wind Characteristic Parameters on Wind Pressure Distribution on Approximate Streamlined Bridge Surface	BAI Hua, JI Nai-chuan, ZHANG Liang-liang, LIU Jian-xin, HE Han-xin (70)
Simulation of System Transformation from Temporary Cable-stayed Bridge to Self-anchored Suspension Bridge	ZHANG Hai-shun, WANG Yu-yin (78)
Analysis on Influencing Factors of Asphalt Concrete Beam Crack Damage	ZHANG Lan-feng, PANG Li-guo (87)
Fracture Mechanical Characteristics of Simply Supported Hollow Slab with Cracks under Vehicle Load	ZHOU Shu-ming, YAN Dong-huang (94)
Influence of Natural Wind on Critical Velocity of Jet Fan	JIANG Xue-peng, ZHANG Hong-xin, JING An (102)
Study on Visualized Detector of Shield Machine Forecabin Equipment and Its Application	SHI Zhen-ming, LIU Liu, GUAN Sheng-gong, WU Quan-li, SHI Xin-dong (109)
A Complex Optimization Algorithm for Accident Reconstruction and Its Application	ZHANG Shi-bo, LIU Lan, LI Ping-fei, WANG Yan, XIAO Ling-yun (117)
A Traffic Signal Timing Rolling Optimization Algorithm Based on Dynamic Programming	YAO Zhi-hong, JIANG Yang-sheng, WANG Yi, ZHAO Bin, TAN Yu (124)
Study on Travel Mode Choice Mechanism of Middle and Long Distance in Underdeveloped Areas	SUN Lian-jiao, JI Xiao-feng, CHEN Fang (131)
Speed Limit of Long Straight Section of First Class Highway Based on Operating Speed in High-altitude Area	TIAN Lin, XU Jin-liang, JIA Xing-li, FANG Jian-hong (138)
Calculation and Optimization of Optimal Region Value of Integral Trapezoidal Steering Mechanism	HU Ya-hui, DONG Hao, ZHANG Jun-an (143)
Study on Network Characteristics and Spatial Organization Optimization of Inter-city Freight Transport Connection	万方数据 ZHANG Ling, HAO Jing-jing, JI Xiao-feng (150)