

目 次

· 道路工程 ·

- 沥青混合料冻融损伤模型及寿命预估研究 谭忆秋 赵立东 蓝碧武 孟良 (1)
车辆荷载作用下脱空地基上 CRCP 板的挠度与应力研究 陈小兵 黄晓明 (8)
半刚性基层沥青路面车辙特性分析 胡萌 张久鹏 黄晓明 (14)
多层地基中单桩的沉降分析 赵明华 占鑫杰 邹新军 (19)
桩承式灰土路堤基底荷载效应分析 张浩 石名磊 张瑞坤 (25)
水库水位变化对某岸区公路边坡稳定性影响分析 周群华 同澍旺 邓卫东 熊伟 (32)
基于综合监测信息的类土质边坡动态施工影响分析 谭捍华 (40)
考虑侧向位移的路堤沉降分析 赵岩 (47)
基于遗传算法的高速公路纵断面节能设计 周方明 罗志明 (51)
模糊综合评判法在基坑工程风险评估中的应用 王鸣晓 (57)
水平安装误差时传力杆工作性能研究 彭鹏 田波 牛开民 (62)

· 桥隧工程 ·

- 基于全寿命周期成本分析的桥梁设计研究综述 谷音 黄威 卓卫东 (67)
应用数字散斑相关法测量结构振动位移和频率 段元锋 姜平安 叶贵如 周青松 (75)
正交异性钢桥面板横梁弧形切口周边应力分析 唐亮 黄李骥 刘高 (83)
预应力齿板锚固区拉压杆模型及配筋设计 林波 刘钊 (91)
大吨位小半径环向预应力钢束张拉伸长量综合分析法 万利军 单炜 (97)
预应力混凝土箱梁桥悬浇梁段竖向接缝强度研究 袁明 颜东煌 (103)
基于磁致伸缩技术的桥梁缆索损伤定位研究 林阳子 武新军 张宇峰 徐江 (109)
水下浅埋公路隧道施作仰拱力学效应的现场试验研究 岳健 冷伍明 赵春彦 (113)

· 智能运输系统与交通工程 ·

- 基于 CA 方法的交通流数值模拟及信号灯感应控制策略研究 陈晨 陈建桥 (122)
基于浮动车定位数据的高速公路区间平均速度估计 何兆成 卢瑞琪 聂佩林 (128)
车道线保持自校正滑模控制 李玮 王晶 段建民 (136)
求解区域公交车辆调度问题的蚁群算法研究 魏明 斯文舟 孙博 (141)

· 汽车工程 ·

- ISG型混合动力汽车粒子群优化模糊控制研究 吴晓刚 王旭东 孙金磊 崔明琦 (146)

· 运输经济 ·

- 基于食物网理论的交通运输业发展力研究 张哲 (153)

CONTENTS

Research on Freeze-thaw Damage Model and Life Prediction of Asphalt Mixture	TAN Yiqiu (1)
Research on Bending Deflection and Stress of CRCP Subjected to Concentrated Vehicle Load over Hollow Base	CHEN Xiaobing (8)
Analysis of Rutting Characteristics of Semi-rigid Base Asphalt Pavement	HU Meng (14)
Analysis on Settlement of Single Pile in Multilayer Subsoil	ZHAO Minghua (19)
Analysis on Load Action Effect of Subgrade in Pile Supported Lime-soil Embankment	ZHANG Hao (25)
Analysis of Influence of Reservoir Water Level Fluctuation on Stability of a Bank Slope	ZHOU Qunhua (32)
Analysis on Disturbing Effect of Pseudo-soil Slope Construction Based on Synthetic Monitoring Information	TAN Hanhua (40)
Analysis on Embankment Settlement Considering Lateral Displacement	ZHAO Yan (47)
Energy-saving Design of Freeway Vertical Profile Based on Genetic Algorithm	ZHOU Fangming (51)
Application of Fuzzy Comprehensive Evaluation Method in Risk Assessment of Excavation Engineering	WANG Mingxiao (57)
Study on Working Performance of Dowel Bar with Horizontal Installation Errors	PENG Peng (62)
Review of Research of Bridge Design Based on Life Cycle Cost Analysis	GU Yin (67)
Measurement of Structural Vibration Displacement and Frequency by Using Digital Speckle Correlation Method	DUAN Yuanfeng (75)
FEA of Stress along Cope Hole Edge of Crossbeam in Orthotropic Steel Deck	TANG Liang (83)
Strut-and-tie Models and Reinforcement Design for Prestressed Anchorage Plates	LIN Bo (91)
Comprehensive Analytical Method of Tensioning Elongation of Great Tonnage and Small Radius Annular Prestressing Tendons	WAN Lijun (97)
Concrete Strength of Vertical Joint in Cantilever-cast Segment of Prestressed Concrete Box Girder Bridge	YUAN Ming (103)
Research on Bridge Cable Dammification Positioning Based on Magnetostriction Technology	LIN Yangzi (109)
Field Experimental Study on Mechanical Effect of Invert Construction for Shallow Embedded Underwater Highway Tunnel	YUE Jian (113)
Cellular Automata Based Traffic Flow Simulation and Actuated Signal Control Strategy	CHEN Chen (122)
Estimation on Freeway Segment Average Speed Based on Probe Vehicle Data	HE Zhaocheng (128)
Self-tuning Sliding Mode Control for Vehicle's Lane Keeping	LI Wei (136)
Ant Colony Algorithm for Regional Bus Scheduling Problem	WEI Ming (141)
Research on Particle Swarm Optimization Fuzzy Control for ISG Hybrid Electric Vehicle	WU Xiaogang (146)
Research on the Transportation Development Power Based on the Food Chain and Econet Thought	ZHANG Zhe (153)