

铁 道 学 报

TIEDAO XUEBAO

第 40 卷 第 8 期 2018 年 8 月

目 次

铁道运输

- 基于 FPSO 灰色 Verhulst 模型的铁路货运量预测 贺政纲,黄 娟(1)
- 基于多目标的丹大城际停站方案优化研究 张 旭,陈秉智,孟 璐(9)
- 考虑动车组接续的列车运行图智能调整方法 周晓昭,张 琦,许 伟,王 涛,宋鹏飞(19)
- 基于随机延误情景的城轨网络末班车时刻表调整模型 徐文恺,赵 鹏,宁丽巧,张 辉(28)

铁道机车车辆、电气化

- 基于多导体回路法的牵引网电气参数计算研究 邓云川,刘志刚,黄 可,宋小翠,张桂南(34)
- 城市轨道交通多车协作节能控制方法研究 步 兵,滕昌敏,陈尔超,秦国英(43)
- 一系悬挂对重载货车运行影响研究 李春胜,罗世辉,Colin Cole,Maksym Spiryagin(52)
- 动车组过吸上线时保护接地电流分布特性 高国强,郑 玥,曹保江,袁德强,张国芹(60)
- 基于两相三线制变流器的高速铁路新型同相供电系统仿真计算 夏焰坤(68)

铁道通信信号、信息化

- 基于半马尔可夫过程的铁路时间同步网协议安全量化分析 兰 丽,张友鹏(73)
- 高速铁路光传送网络链路故障定位的研究 刘天阳,王仲凯,孙 强(83)
- 基于循环码的 LWT-DCT 半脆弱音频水印算法 杨志疆(91)
- 基于隐马尔科夫模型的道岔故障诊断方法 许庆阳,刘中田,赵会兵(98)

铁道工程

- 轨道交通槽形梁结构低频噪声预测与优化 刘林芽,秦佳良,刘全民,宋 瑞(107)
- 蒸养混凝土轨道板劣化机理研究 马昆林,龙广成,谢友均(116)
- 轴向温度力影响下周期离散支承钢轨竖向振动特性分析 冯青松,汪 玮,刘庆杰,雷晓燕(122)
- CRTS II 型板式无砟轨道层间传力规律及离缝破坏研究 陈 龙,陈进杰,王建西(130)
- 非达西渗流效应对深埋圆形隧洞弹塑性解的影响 张丙强,王启云,臧万军(139)
- 往复荷载下钢筋增强 ECC 梁的抗剪性能研究 袁 方,陈梦成,王文波(146)
- 锈蚀钢筋混凝土黏结滑移试验研究 李福海,靳贺松,胡丁涵,张桂斌,李星烨(154)
- 饱和地基地铁盾构隧道车致动应力响应特征 狄宏规,周顺华,何 超,肖军华,罗 喆(160)

科技信息

- 中国铁道学会 华东交通大学 中国铁道出版社拟定联合举办“《铁道学报》理事会成立大会暨高铁基础设施安全保障技术高峰论坛” (封三)
- 中国科协发布 12 个领域的 60 个重大科学问题和工程技术难题 (18)
- 中铁上海设计院集团有限公司重大科技项目及成果 (168)

JOURNAL OF THE CHINA RAILWAY SOCIETY

(Monthly) Vol.40 No.8 August 2018

CONTENTS

- Prediction of Railway Freight Volumes Based on FPSO Grey
Verhulst Model HE Zhenggang ,HUANG Juan(1)
- Optimization Study of Dandong-Dalian Intercity Railway Stop
Schedule Plan Based on Multi-targets ZHANG Xu ,CHEN Bingzhi ,MENG Lu(9)
- Intelligent Adjustment Method for Train Operation Diagram with Consideration of
Motor Train Set Connection ... ZHOU Xiaozhao ,ZHANG Qi ,XU Wei ,WANG Tao ,SONG Pengfei(19)
- A Timetable Rescheduling Model Based on Random Delay Scenarios for Last Trains in
an Urban Rail Transit Network XU Wenkai ,ZHAO Peng ,NING Liqiao ,ZHANG Hui(28)
- Study on Electrical Parameters Calculation of Traction Network Based on the Multi-Conductor Loop Circuit
Method DENG Yunchuan ,LIU Zhigang ,HUANG Ke ,SONG Xiaocui ,ZHANG Guinan(34)
- Research on Method of Cooperation among Trains for Energy Saving in
Urban Rail Transportation BU Bing ,TENG Changmin ,CHEN Erchao ,QIN Guoying(43)
- Evaluation of Primary Suspension Benefits for Heavy Haul Wagons
..... LI Chunsheng ,LUO Shihui ,Colin Cole ,Maksym Spiryagin(52)
- Distribution Characteristics of Protective Earthing Current When High-speed EMU Passes through
Boosting Cable GAO Guoqiang ,ZHENG Yue ,CAO Baojiang ,YUAN Deqiang ,ZHANG Guoqin(60)
- Simulative Calculation of Novel Cophase Power Supply System Based on
Two-phase Three-wire Converter for High-speed Railway XIA Yankun(68)
- Security Quantifying Method of Railway Time Synchronization
Network Protocol Based on Semi-Markov Process LAN Li ,ZHANG Youpeng(73)
- Research on Link Failure Location in High-speed Railway Optical
Transport Network LIU Tianyang ,WANG Zhongkai ,SUN Qiang(83)
- Semi-fragile Audio Watermarking Algorithm Based on Cyclic Codes in LWT-DCT YANG Zhijiang(91)
- Method of Turnout Fault Diagnosis Based on Hidden Markov Model
..... XU Qingyang ,LIU Zhongtian ,ZHAO Huibing(98)
- Prediction and Optimization of Structure-borne Low-frequency Noise from
a Rail Transit Trough Girder LIU Linya ,QIN Jialiang ,LIU Quanmin ,SONG Rui(107)
- Deterioration Mechanism of Steam-cured Concrete Track Slab
..... MA Kunlin ,LONG Guangcheng ,XIE Youjun(116)
- Analysis of Vertical Vibration Characteristics of Periodic Discrete Supported
Rail under Axial Temperature Force FENG Qingsong ,WANG Wei ,LIU Qingjie ,LEI Xiaoyan(122)
- Study on Stress Transfer and Interface Damage of CRTS II Slab Ballastless
Track CHEN Long ,CHEN Jinjie ,WANG Jianxi(130)
- Influence of Non-Darcy Seepage Effect on Elastoplastic Solution of
a Deep-buried Circular Opening ZHANG Bingqiang ,WANG Qiyun ,ZANG Wanjun(139)
- Study on Shear Behavior of Steel Reinforced ECC Beams under
Reversed Cyclic Loading YUAN Fang ,CHEN Mengcheng ,WANG Wenbo(146)
- Experimental Study on Bond-slip Performance of Corroded Reinforced
Concrete LI Fuhai ,JIN Hesong ,HU Dinghan ,ZHANG Guibin ,LI Xingye(154)
- Response of Dynamic Stress in Saturated Soil Induced by Moving Metro Train in
Shield Tunnel DI Honggui ,ZHOU Shunhua ,HE Chao ,XIAO Junhua ,LUO Zhe(160)