

中国铁道科学

第 31 卷第 5 期(总第 113 期)2010 年 9 月

目 次

青藏铁路多年冻土区路基人为上限的变化特点及其与稳定性的关系	王小军, 米维军, 魏永梁, 等(1)
基于属性数学理论的岩土边坡地震稳定性评价	文畅平, 杨果林(8)
戈壁铁路沿线风沙灾害特征与挡风沙措施功效研究	程建军, 蒋富强, 杨印海, 等(15)
跨座式单轨列车与轨道梁系统的动力响应分析	刘羽宇, 葛玉梅, 杨翊仁(21)
侧贴预应力 CFRP 板加固混凝土梁抗弯性能的试验研究	邓朗妮, 陈 华, 燕柳斌, 等(28)
不锈钢钢筋混凝土梁抗震性能试验研究	张国学, 赵 峰, 张志浩, 等(35)
900 t 大型预制箱梁早期张拉抗裂性能研究	卢文良, 李劲松, 张兰青, 等(41)
基于支持向量机的静力损伤识别方法	付春雨, 单德山, 李 乔(47)
铁路双线隧道围岩爆破松动范围测试分析	傅洪贤, 赵 勇, 谢晋水(54)
隧道洞口坡段落石灾害危险性等级评价方法	叶四桥, 陈洪凯(59)
基于蠕滑机理的车轮磨损模型分析	丁军君, 李 蒂, 黄运华(66)
抖振反应谱理论在列车抖振分析中的应用	陈锐林, 曾庆元, 黄云清(73)
采用轮毂电机的独立车轮轮对上的主动导向控制	任利惠, 周劲松, 沈 钢(77)
高速铁路 GSM-R 系统无线信道特性仿真	熊 磊, 路晓彤, 钟章队, 等(84)
高速铁路环境电磁兼容测试场地衰减的修正	吴 荻, 熊 杰, 朱 刚, 等(90)
CTCS-3 级列控系统无线通信系统链路质量检测方法	蒋云翔, 王亚民, 朱 刚(95)
CTCS-3 级列控系统动态测试优化方法	周 晔, 程先东, 赵洪军, 等(102)
基于正弦内插的 UM2000 信号解码算法	贺广宇, 范 明(108)
基于模糊评判的计算机联锁系统维修备件库存控制方法	张雪松(114)
基于 IEEE 802.11g 标准的 CBTC 车地通信系统设计	朱 力, 宁 滨(119)
CBTC 越区切换中断时间分析	陈黎洁, 唐 涛, 吕继东(125)
基于不同检修能力的动车组运用计划研究	张才春, 陈建华, 花 伟(130)
北京地铁 5 号线高架结构的辐射噪声分析与实验研究	高 飞, 夏 禾, 安 宁(134)
青藏铁路站区给水系统防冻融工程实验	王三反, 徐 静, 吕文博, 等(140)

· 科技信息 ·

机车和动车组牵引与控制国家重点实验室建设计划通过可行性论证	(27)
中国铁道科学研究院 2009 年科技成果简介(续一)	徐 上(58)

期刊基本参数:CN 11-2480/U * 1979 * b * A4 * 144 * zh * P * ￥18.00 * 1200 * 24 * 2010-09

CHINA RAILWAY SCIENCE

Vol. 31 No. 5 (Series No. 113) September 2010

CONTENTS

- The Change Characteristics of the Artificial Upper Limit of the Roadbed and Its Relationship with the Stability for Qinghai-Tibet Railway in the Permafrost Region **WANG Xiaojun, et al** (1)
- The Seismic Stability Evaluation of the Rock and Soil Slope Based on the Attribute Mathematical Theory **WEN Changping, et al** (8)
- Study on the Hazard Characteristics of the Drifting Sand along the Railway in Gobi Area and the Efficacy of the Control Engineering Measures **CHENG Jianjun, et al** (15)
- The Dynamic Response Analysis of the Coupled System of the Straddle Type Monorail Train and the Track Beam **LIU Yuyu, et al** (21)
- Experimental Study on the Flexural Behavior of the Strengthened Reinforced Concrete Beam Side-Bonded with Prestressed CFRP Plates **DENG Langni, et al** (28)
- Experimental Study on the Seismic Performance of the Stainless Steel Reinforced Concrete Beams **ZHANG Guoxue, et al** (35)
- Research on the Cracking Resistance Behavior of 900 t Large-Scale Precast Box Girders during the Early Stage Tensioning **LU Wenliang, et al** (41)
- The Static Damage Identification Method Based on the Support Vector Machine **FU Chunyu, et al** (47)
- Test Analysis on the Broken Rock Zone of the Surrounding Rock Blasting for Railway Double-Line Tunnel **FU Hongxian, et al** (54)
- The Evaluation Method for the Hazard Grading of the Rockfall at the Slope Segment of the Tunnel Entrance **YE Siqiao, et al** (59)
- Analysis of the Wheel Wear Model Based on the Creep Mechanism **DING Junjun, et al** (66)
- The Application of the Buffeting Response Spectrum Theory in Train Buffeting Analysis **CHEN Ruilin, et al** (73)
- The Active Steering Control of the Independent Wheelset with the Hub Motors **REN Lihui, et al** (77)
- Simulation on the Characteristics of the Wireless Channel for High-Speed Railway GSM-R System **XIONG Lei, et al** (84)
- The Correction to the Site Attenuation of the EMC Test Site in High-Speed Railway Environment **WU Di, et al** (90)
- The Link Quality Test Method of the Wireless Communication System Based on CTCS-3 Level Train Control System **JIANG Yunxiang, et al** (95)
- The Optimization Method for the Dynamic Testing of CTCS-3 Level Train Control System **ZHOU Wei, et al** (102)
- The UM2000 Signal Decoding Algorithm Based on Sine Interpolation **HE Guangyu, et al** (108)
- The Stock Control Method Based on the Fuzzy Evaluation for the Maintenance Spare Parts of the Computer Interlocking System **ZHANG Xuesong** (114)
- The Design of the CBTC Train-Ground Communication System Based on IEEE 802. 11g Standard **ZHU Li, et al** (119)
- Analysis on the Interruption Time for CBTC Handover **CHEN Lijie, et al** (125)
- Research on the EMU Operation Plan Based on Different Maintenance Capacity **ZHANG Caichun, et al** (130)
- Analysis and Experimental Study on the Radiation Noise of the Elevated Structures of Beijing Metro Line 5 **GAO Fei, et al** (134)
- The Anti-Freeze-Thaw Engineering Experiment on the Water Supply System at the Station Area of Qinghai-Tibet Railway **WANG Sanfan, et al** (140)