

主管部门:河北省教育厅
 业务指导:国家交通战备办公室
 主办单位:石家庄铁道大学
 承办单位:石家庄铁道大学国防交通研究所

GUOFANG JIAOTONG GONGCHENG YU JISHU

国防交通工程与技术

通信

(2003年创刊,双月刊)

第9卷 第2期(总第47期)

主任编委:王岳森

副主任编委:丁光 王海龙 孟平

杨忠民 杨国华 聂秋祥

路建文

特约编委:张鸿彦 张增勤 陈发智

黄植初 潘川庚

编委:王海良 王道斌 王新敏

牛学勤 邓可祥 杜彦良

陈云鹤 陈进杰 陈晓明

高占军 莫勋涛 徐关尧

贾粮棉 崔海强 蒋凯辉

鲍林栋 葛强林 蔡良才

主编:韩同银

常务副主编:王海林

副主编:刘嘉武 彭兴山 刘明月

编辑:廖元裳 张建华(外语)

编辑/出版:《国防交通工程与技术》编辑部

地址:河北省石家庄市北二环东路17号

石家庄铁道大学内

邮编:050043

电话:0311-87935805 87939595

电子信箱:gjft@sjzri.edu.cn

网址:http://gjft.stdu.edu.cn

中国标准 ISSN 1672-3953

连续出版物号:CN 13-1333/U

CODEN:GJGYAT

发行范围:国内外公开发行

国外代号:Q1966

国内发行:河北省报刊发行局

邮发代号:18-349

广告经营许可证号:1301024D00084

印刷:河北科技大学印刷厂

出版日期:2011年3月20日

定价:7.50元

万方数据



目次

论坛

“跨越—2009”跨区机动暴露的问题与对策……魏巍 吴峥(1)

飞艇在执行多样化军事任务中的作用……葛强林 葛强胜(4)

研究与设计

层内混杂纤维布约束混凝土柱轴压性能试验研究……

徐永朝 李建辉 邓宗才(7)

裂隙岩体隧道排水影响范围数值试验研究……

刘志春 孙明磊 高新强(12)

公路飞机跑道净空要求分析探讨……赵磊 王鹏 邵斌(18)

岩石蠕变对隧道二衬结构影响的研究……李建军 张志强(22)

冻融作用下水泥改良土的静力特性研究……

李清宪 于海兵 王天亮(29)

运用矩阵结构分析法进行军交运输快速反应力量量化评估……

海军 王春颖(33)

东北地区高速铁路路基及桥梁冬季施工技术……顾红新(37)

铁路新型转线装置工作原理与施工技术研究……武振亚(40)

大跨度连续钢桁梁振动远程监测系统建立研究……张海龙(43)

实例分析

TBM 主轴承故障成因分析及维保技术……王雁军(46)

武广客运专线狮公岩二号隧道施工技术研究……王必军(50)

TBM 通过部分断面开挖段的状态监测与分析……曹海涛(54)

竹坑山隧道施工空洞影响分析……周伟天(57)

成果与应用

后压浆技术在石家庄隧道钻孔灌注桩中的应用……管泽英(60)

65 m 跨连续梁节段悬臂拼装施工技术……潘大鹏(64)

山区公路桥梁现浇箱梁支架体系的设计与应用……李运涛(67)

隧道开挖中楔形掏槽施工技术研究……龙树娟(70)

某高架桥加固技术研究……李伟(74)

数字化地形图在高铁制梁场建设中的应用……孙炎(78)

信息荟萃

《国防交通工程与技术》变更网址的启事……(39)



CONTENTS

- Problems in the Inter-War-Zone Maneuver of "Stride 2009" and Our Solutions to Them Wei Wei, Wu Zheng(1)
- On the Roles of Airships in Carrying Out Various Military Tasks Ge Qianglin, Ge Qiangsheng(4)
- An Experimental Study of the Mechanical Properties of Concrete Columns Confined with IFRP Under Axial Pressure Xu Yongchao, Li Jianhui, Deng Zongcai(7)
- Numerical Experimentation Research of Drainage Influence Range in Fractured Rock Tunnel Liu Zhichun, Sun Minglei, Gao Xinqiang(12)
- An Exploration into and the Analysis of the Requirements in the Clearance of Highway Runways Zhao Lei, Wang Peng, Shao Bin(18)
- Study of the Effects of Rock Creep on the Structure of the Second Lining of a Tunnel Li Jianjun, Zhang Zhiqiang(22)
- On the Static Properties of Cement-Modified Soil Under the Action of Freezing and Thawing Li Qingxian, Yu Haibing, Wang Tianliang(29)
- The Quantitative Evaluation of the Fast Response Capability in Military Transportation by the Matrix Structure Analytical Method Hai Jun, Wang Chunying(33)
- Winter Construction of the Roadbed and Bridges of the High-speed Railways in the Northeast of China Gu Hongxin(37)
- A Study of the Working Principles of and Construction Techniques for the New Type Line-Converting Device Wu Zhenya(40)
- On the Remote Monitoring System for the Vibration of Large-Span Continuous Steel Truss Bridges Zhang Hailong(43)
- Analysis of the Causes of Failures of the Main Bearing of the TBM and Maintenance Techniques for It Wang Yanjun(46)
- Study of the Construction Techniques for the 2nd Tunnel at Sigongyan of the Wu-Guang Passengers-Oriented Railway Wang Bijun(50)
- State Monitoring of the TBM Through the Partial-Faced Excavated Section Cao Haitao(54)
- Analysis of the Effects of the Construction Void on the Zhukengshan Tunnel Zhou Weitian(57)
- Application of the Post-grouting Technique to Bored Piles of the Shijiazhuang Tunnel Guan Zeying(60)
- Cantilevering Assembling Techniques for Sections of the Continuous Girder of 3-65 m-Spans Pan Dapeng(64)
- Design and Application of the Supporting System for Cast-In-Place Box Girders of Highway Bridges in Mountainous Regions Li Yuntao(67)
- Study of the Techniques for the Slotting Construction in Tunneling Long Shujuan(70)
- Study of the Strengthening Techniques for a Certain Viaduct Li Wei(74)
- On the Application of Digitalized Topographic Maps to the Construction of the Beam-Making Lot for High-Speed Railways Sun Yan(78)

TRAFFIC ENGINEERING AND TECHNOLOGY FOR NATIONAL DEFENCE

(Bimonthly, Started in 2003)

Vol. 9 No. 2(Sum No. 47)

Authorized: Hebei Education Department
Sponsor: Shijiazhuang Teidao University
Chief Editor: Han Tongyin
Edited & Published:
Editorial Department of Traffic Engineering and
Technology for National Defence
Address: 17 Beihuan Eastern Road Shijiazhuang
Post Code: 050043 Tel: (86-311)87935805
<http://gfjt.stdu.edu.cn> E-mail: gfjt@sjzri.edu.cn
CODEN: GJGYAT

ISSN 1672-3953
Publishing Code: CN 13-1333/U

Distribution Scope: Public at Home and Abroad
Domestic Distributing Code: 18-349

General Distributor for Foreign Subscribers:
China International Book Trading Corporation

Foreign Service Distribution Code: Q1966

Printer: Printing House of Hebei University of
Science and Technology

Published on: Mar, 2011