

目 次

黄文熙讲座

河谷场地地震波传播解析模型及放大效应 高玉峰 (1)

论 文

大石峡砂砾石坝料渗透特性及其影响因素研究 陈生水, 凌 华, 米占宽, 苗 喆, 梅世昂 (26)

往复水平荷载作用下不同桩型单桩水平承载性能足尺对比试验研究 郑 刚, 刘 畅, 刘永超, 胡秋斌, 王成博, 康谷贻, 刘彦坡 (32)

饱和软黏土固结过程中的不排水抗剪强度特性 雷国辉, 高 翔, 徐 可, 郑泽宇 (41)

基于特征应力的正常固结土三维弹塑性本构模型 路德春, 李晓强, 梁靖宇, 杜修力 (50)

土石混合体三维细观结构随机重构及其力学特性颗粒流数值模拟研究 张 强, 汪小刚, 赵宇飞, 刘立鹏, 林兴超 (60)

降雨诱发膨胀土边坡渐进破坏研究 张良以, 陈铁林, 张顶立 (70)

密砂中圆形锚上拔承载力尺寸效应分析 陈 榕, 符胜男, 郝冬雪, 史旦达 (78)

考虑阻尼修正的 Pyke 滞回模型研究 刘方成, 杨 峻, 吴孟桃 (86)

基于突变理论的高压岩溶隧道掌子面稳定性研究 王志杰, 高靖遥, 张 鹏, 关 笑, 季晓峰 (95)

考虑加载速率影响的冻结含盐砂土强度准则研究 高 娟, 赖远明, 常 丹, 牛亚强 (104)

竖向正方形锚板水平拉拔极限承载力三维统一理论解研究 胡 伟, 高文华, 赵 璞, 刘顺凯, 龙诚璧 (111)

离子固化剂改性蒙脱土吸附水特性及持水模型研究 黄 伟, 刘清秉, 项 伟, 张云龙, 王臻华, DAO Minh Huan (121)

两层三跨框架式地铁地下车站结构弹塑性工作状态与抗震性能水平研究 庄海洋, 任佳伟, 王 瑞, 苗 雨, 陈国兴 (131)

冻土与结构接触面冻结强度压桩法测定系统研制及试验研究 石泉彬, 杨 平, 谈金忠, 汤国毅 (139)

短 文

不同填料土工织物散体桩桩体单轴压缩试验 陈建峰, 花嘉嘉, 冯守中 (148)

围压对 TBM 滚刀破岩影响的数值模拟研究 翟淑芳, 曹世豪, 周小平, 毕 靖 (154)

低温环境下南海海底泥流的流变试验及模型 郭兴森, 年廷凯, 范 宁, 焦厚滨, 贾永刚 (161)

南宁地铁区域饱和圆砾土大型动三轴试验研究 马少坤, 王 博, 刘 莹, 邵 羽, 王洪刚, 王艳丽 (168)

含水率变化下压实路基土动态回弹模量试验研究与预估模型 刘维正, 曾奕珺, 姚永胜, 张军辉 (175)

考虑砂土渗透性变化的吸力锚沉贯及土塞特性研究 王 胤, 朱兴运, 杨 庆 (184)

讨 论

关于“关于《建筑边坡工程技术规范》(GB50330—2013)的讨论”的讨论 李广信 (191)

简 讯

向审稿人致谢 (193)

“我与《岩土工程学报》”征文通知 (49)

《岩土工程学报》征订启事 (77)

本期广告索引 (120)

其它简讯 (147)

《岩土工程学报》第十二届编委会名单 (扉页 I)

征稿简则 (扉页 II)

愿《岩土工程学报》的明天更美好——学报创刊 40 周年主编寄语 (封 2)

CONTENTS

HUANG WEN-XI LECTURE

Analytical models and amplification effects of seismic wave propagation in canyon sites GAO Yu-feng (1)

PAPERS

Experimental study on permeability and its influencing factors for sandy gravel of Dashixia dam CHEN Sheng-shui, LING Hua, MI Zhan Kuang, MIAO Zhe, MEI Shi-ang (26)

Experimental study on horizontal bearing behaviors of different types of full-scale piles under reciprocating horizontal loads ZHENG Gang, LIU Chang, LIU Yong-chao, HU Qiu-bin, WANG Cheng-bo, KANG Gu-yi, LIU Yan-po (32)

Behavior of undrained shear strength of saturated soft clay under consolidation LEI Guo-hui, GAO Xiang, XU Ke, ZHENG Ze-yu (41)

3D elastoplastic constitutive model for normally consolidated soils based on characteristic stress LU De-chun, LI Xiao-qiang, LIANG Jing-yu, DU Xiu-li (50)

3D random reconstruction of meso-structure for soil-rock mixture and numerical simulation of its mechanical characteristics by particle flow code ZHANG Qiang, WANG Xiao-gang, ZHAO Yu-fei, LIU Li-peng, LIN Xing-chao (60)

Progressive failure of expansive soil slopes under rainfall ZHANG Liang-yi, CHEN Tie-lin, ZHANG Ding-li (70)

Scale effects of uplift capacity of circular anchors in dense sand CHEN Rong, FU Sheng-nan, HAO Dong-xue, SHI Dan-da (78)

Modified Pyke's hysteretic model considering damping ratio LIU Fang-cheng, YANG Jun, WU Meng-tao (86)

Stability analysis of tunnel face in high-pressure karst tunnels based on catastrophe theory WANG Zhi-jie, GAO Jing-yao, ZHANG Peng, GUAN Xiao, JI Xiao-feng (95)

Strength criterion for frozen saline sand considering effects of loading rates GAO Juan, LAI Yuan-ming, CHANG dan, NIU Ya-qiang (104)

Three-dimensional unified theoretical researches on ultimate horizontal pullout capacity of vertical square anchors HU Wei, GAO Wen-hua, ZHAO Pu, LIU Shun-kai, LONG Cheng-bi (111)

Water adsorption characteristics and water retention model for montmorillonite modified by ionic soil stabilizer HUANG Wei, LIU Qing-bing, XIANG Wei, ZHANG Yun-long, WANG Zhen-hua, DAO Minh Huan (121)

Elasto-plastic working states and seismic performance levels of frame-type subway underground station with two layers and three spans ZHUANG Hai-yang, REN Jia-wei, WANG Rui, MIAO Yu, CHEN Guo-xing (131)

Development of measuring system by pile-pressing method and experimental study on adfreezing strength at interface between frozen soil and structure SHI Quan-bin, YANG Ping, TAN Jin-zhong, TANG Guo-yi (139)

NOTES

Uniaxial compression tests on geosynthetic-encased stone columns with different fills CHEN Jian-feng, HUA Jia-jia, FENG Shou-zhong (148)

Numerical study on effects of confining stress on rock fragmentation by TBM cutters ZHAI Shu-fang, CAO Shi-hao, ZHOU Xiao-ping, BI Jing (154)

Rheological tests and model for submarine mud flows in South China Sea under low temperatures GUO Xing-sen, NIAN Ting-kai, FAN Ning, JIAO Hou-bin, JIA Yong-gang (161)

Large-scale dynamic triaxial tests on saturated gravel soil in Nanning metro area MA Shao-kun, WANG Bo, LIU Yin, SHAO Yu, WANG Hong-gang, WANG Yan-li (168)

Experimental study and prediction model of dynamic resilient modulus of compacted subgrade soils subjected to moisture variation LIU Wei-zheng, ZENG Yi-jun, YAO Yong-sheng, ZHANG Jun-hui (175)

Installation of suction caissons and formation of soil plug considering variation of permeability of sand WANG Yin, ZHU Xing-yun, YANG Qing (184)

DISCUSSIONS

Discussion on "Discussion on 'Technical code for building slope engineering' second edition (2013)" LI Guang-xin (191)

NEWS (49, 77, 120, 147)

Members of Editorial Board of Chinese Journal of Geotechnical Engineering (head page I)

Invitation for original papers (head page II)

Wish Chinese Journal of Geotechnical Engineering a better tomorrow: Editor-in-chief's words for its inauguration for 40 years ... (cover No. 2)