

目 次

黄文熙讲座

污染场地测试评价与处理技术 刘松玉 (1)

论 文

MICP 胶结钙质砂动力特性试验研究 刘汉龙, 肖 鹏, 肖 杨, 王建平, 陈育民, 楚 剑 (38)

20 万吨级卸荷式板桩码头离心模型试验研究 徐光明, 刘 阳, 任国峰, 顾行文 (46)

横观各向同性土的三维强度准则 路德春, 梁靖宇, 王国盛, 杜修力 (54)

飞机主起落架移动荷载作用下道基动力响应分析 凌道盛, 王云龙, 赵 云, 黄 博, 周燕国 (64)

基于赤平极射投影和 K-均值聚类算法的优势结构面分析 王俊杰, 冯 登, 柴贺军, 刘云飞 (74)

冻土二元介质模型探讨——以-6℃冻结粉土为例 张 德, 刘恩龙, 刘星炎, 宋丙堂 (82)

基于土体的大变形分析钻井船插桩对邻近桩的影响 范怡飞, 王建华, 戴笑如 (91)

考虑风速影响的土表蒸发计算方法 滕继东, 单 锋, 张 升, 童 军 (100)

堆石体的填筑标准与级配优化研究 朱 晟, 钟春欣, 郑希镭, 高庄平, 湛正刚 (108)

黄土 (Q₃) 横观各向同性强度准则研究 许 萍, 邵生俊, 张 帅 (116)

弹性索理论在加筋土挡墙结构设计中的应用研究 王宗建, 马书文, 唐小双, 吴近明, 智贤平, 卢 谅 (122)

考虑有效应力的钻屑量理论分析及试验研究 唐巨鹏, 陈 帅, 李卫军 (130)

柱状节理玄武岩松弛圈尺寸效应及地应力影响 王 鹏, 洪望兵, 宋 刚 (139)

考虑多尺度结构的贯通节理岩体损伤摩擦耦合模型 刘 武 (147)

硫酸盐渍土水泥加固盐胀抑制剂研究 张佳兴, 裴向军, 韦 璐 (155)

短 文

坑内预留土作用下多支点支护结构的变形内力计算 张 浩, 郭院成, 石名磊, 马珍珍 (162)

某古建筑砖土结构基座病害探测分析 朱才辉, 李 宁, 郭炳焯, 刘钦佩 (169)

砂土地层土压盾构隧道施工掌子面稳定性研究 王 俊, 何 川 (177)

土工格栅纵横肋的筋土承载特性分析 王家全, 陆梦梁, 周岳富, 张亮亮 (186)

Coulomb 模型下考虑墙体侧向位移的土压力计算 谢 涛, 罗 强, 张 良, 蒋良滩, 连继峰 (194)

简 讯

向审稿人致谢 (201)

第十届全国基坑工程研讨会第 1 号通知 (征文) (73)

岩土及地下工程教育部重点实验室 (同济大学) 2018 年度开放课题申请指南 (90)

《岩土工程学报》征订启事 (129)

本期广告索引 (185)

《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)

CONTENTS

HUANG WEN-XI LECTURE

Geotechnical investigation and remediation for industrial contaminated sites LIU Song-yu (1)

PAPERS

Dynamic behaviors of MICP-treated calcareous sand in cyclic tests
..... LIU Han-long, XIAO Peng, XIAO Yang, WANG Jian-ping, CHEN Yu-min, CHU Jian (38)

Centrifuge modeling of 200000 tonnage sheet-pile wharfs with relief platform
..... XU Guang-ming, LIU Yang, REN Guo-feng, GU Xing-wen (46)

Three-dimensional strength criterion for transverse isotropic geomaterials
..... LU De-chun, LIANG Jing-yu, WANG Guo-sheng, DU Xiu-li (54)

Dynamic response of subgrade under moving loads of main landing gears
..... LING Dao-sheng, WANG Yun-long, ZHAO Yun, HUANG Bo, ZHOU Yan-guo (64)

Dominant discontinuities based on stereographic projection and *K*-means clustering algorithm
..... WANG Jun-jie, FENG Deng, CHAI He-jun, LIU Yun-fei (74)

Investigation on binary medium model taking frozen silt soils under -6°C for example
..... ZHANG De, LIU En-long, LIU Xing-yan, SONG Bing-tang (82)

Effects of spudcan penetration on adjacent piles based on large deformation of soils
..... FAN Yi-fei, WANG Jian-hua, DAI Xiao-ru (91)

New method for calculating soil surface evaporation considering effect of wind speed
..... TENG Ji-dong, SHAN Feng, ZHANG Sheng, TONG Jun (100)

Filling standards and gradation optimization of rockfill materials
..... ZHU Sheng, ZHONG Chun-xin, ZHENG Xi-lei, GAO Zhuang-pin, ZHAN Zhen-gang (108)

Strength criterion of cross-anisotropic Q_3 loess XU Ping, SHAO Sheng-jun, ZHANG Shuai (116)

Application of elastic cable theory in design of reinforced earth structure
..... WANG Zong-jian, MA Shu-wen, TANG Xiao-shuang, WU Jin-ming, ZHI Xian-ping, LU Liang (122)

Theoretical and experimental studies on drilling cutting weight considering effective stress
..... TANG Ju-peng, CHEN Shuai, LI Wei-jun (130)

Influences of size effect and in-situ stress of columnar jointed basalt relaxation zone
..... WANG Peng, HONG Wang-bing, SONG Gang (139)

Coupled damage and friction model for persistent fractured rocks considering multi-scale structures LIU Wu (147)

Salt expansion inhibitors for sulphated salty soil ZHANG Jia-xing, PEI Xiang-jun, WEI Lu (155)

NOTES

Calculation of deformation and internal force of multi-pivot retaining structure considering influence of earth berm
..... ZHANG Hao, GUO Yuan-cheng, SHI Ming-lei, MA Zhen-zhen (162)

Defect detection of an ancient building with brick-clay structure base ZHU Cai-hui, LI Ning, GUO Bing-xuan, LIU Qin-pei (169)

Face stability analysis of EPB shield tunnel in sand WANG Jun, HE Chuan (177)

Bearing characteristics of reinforced soil with longitudinal and transverse ribs of geogrids
..... WANG Jia-quan, LU Meng-liang, ZHOU Yue-fu, ZHANG Liang-liang (186)

Relationship between earth pressure and wall displacement based on Coulomb earth pressure model
..... XIE Tao, LUO Qiang, ZHANG Liang, JIANG Liang-wei, LIAN Ji-feng (194)

NEWS (73, 90, 129, 185, 201)

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

Invitation for original papers (head page II)