

目次

论 文

考虑颗粒破碎影响的珊瑚砂临界状态与本构模型研究 蔡正银, 侯贺营, 张晋勋, 张 雷, 关云飞, 曹永勇 (989)

深厚松软场地卓越周期与地面峰值加速度的空间变异特征: 以苏州为例 陈国兴, 刘薛宁, 朱 姣, 金丹丹, 许汉刚 (996)

高岭-蒙脱混合黏土渗透各向异性的微观机理研究 周 建, 徐 杰, 余良贵, 罗凌晖 (1005)

海水侵蚀下钢渣粉+水泥固化土强度劣化试验研究 吴燕开, 史可健, 胡晓士, 韩 天, 于佳丽, 李丹丹 (1014)

基于非线性 M-C 准则的深埋土质隧道三维塌落破坏上限分析 于 丽, 吕 城, 王明年 (1023)

深基坑内支撑支点水平刚度系数的解析解计算方法研究 金亚兵, 刘 动 (1031)

伊犁黄土总吸力和基质吸力土水特征曲线拟合模型 张爱军, 王毓国, 邢义川, 于春亮, 赵庆玉 (1040)

初始静孔隙水压力对砂土静动力剪切特性影响的试验研究 许成顺, 李艳梅, 潘 霞, 耿 琳 (1050)

基于 Kötter 方程的盾构掘进面上被切削土体受力研究 苏伟林, 李兴高, 金大龙 (1058)

场地放大系数的理论解答 李瑞山, 袁晓铭 (1066)

岩石单轴压缩下损伤表征及演化规律对比研究 张国凯, 李海波, 王明洋, 李 杰, 邓树新 (1074)

考虑地层变异性和土体参数空间变异性的边坡可靠度全概率设计方法 邓志平, 牛景太, 潘 敏, 彭友文, 崔 猛 (1083)

深部直墙拱形隧洞围岩板裂破坏的模拟试验研究 官凤强, 罗 勇, 刘冬桥 (1091)

季节性冻土中土工格栅加筋特性试验研究 陈 榕, 王喜强, 郝冬雪, 宋洋洋, 薛 楠 (1101)

考虑渣土特征的盾构施工力学动态耦合仿真研究 肖 超, 谭立新, 陈仁朋, 钟志全, 阳军生 (1108)

浅埋房式采空区下长壁采场动载矿压发生机制 霍丙杰, 荆雪冬, 范张磊, 谢 伟, 段志华, 解振华 (1116)

基于不完整边界先验信息的跨孔电阻率 CT 反演方法研究 刘征宇, 庞永昊, 王传武, 杨为民, 刘沈华, 王 宁 (1124)

低温条件微生物 MICP 沉淀产率试验研究 孙潇昊, 缪林昌, 吴林玉, 王呈呈, 陈润发 (1133)

真空预压的最终负压分布模式 胡亚元, 钱镜林, 张超杰 (1139)

短 文

黄土-碎石毛细阻滞覆盖层储水能力实测与分析 焦卫国, 詹良通, 季永新, 贺明卫, 刘振男 (1149)

多孔介质中晶体的结晶压力分析 周凤玺, 应 赛, 蔡袁强 (1158)

裂隙岩体渗流溶质运移耦合离散裂隙模型数值计算方法 李馨馨, 徐 轶 (1164)

土体干缩裂隙发育方向及演化特征的层间摩擦效应研究 曾 浩, 唐朝生, 林 奎, 徐金鉴, 刘俊东, 荣德政, 王东伟, 施 斌 (1172)

简 讯

中国土木工程学会第十三届全国土力学及岩土工程学术大会第二号通知 (1013)

《岩土工程学报》征订启事 (1171)

本期广告索引 (1180)

土壤生物工程技术在水利生态修复中应用——评《污染土壤生物修复原理与技术》 (插页 I)

水利工程中的岩土地质勘察分析——评《岩土工程勘察》 (插页 II)

《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

PAPERS

- Critical state and constitutive model for coral sand considering particle breakage CAI Zheng-yin, HOU He-ying, ZHANG Jin-xun, ZHANG Lei, GUAN Yun-fei, CAO Yong-yong (989)
- Spatial variation of predominant periods of site and amplifications of peak ground accelerations for deep sediment layers: case study of Suzhou City CHEN Guo-xing, LIU Xue-ning, ZHU Jiao, JIN Dan-dan, XU Han-gang (996)
- Microscopic mechanism regarding permeability anisotropy of kaolin-montmorillonite mixed clays ZHOU Jian, XU Jie, YU Liang-gui, LUO Ling-hui (1005)
- Experimental study on strength degradation of steel slag + cement-solidified soil under seawater erosion WU Yan-kai, SHI Ke-jian, HU Xiao-shi, HAN Tian, YU Jia-li, LI Dan-dan (1014)
- Three-dimensional upper bound limit analysis of deep soil tunnels based on nonlinear Mohr-Coulomb criterion YU Li, LÜ Cheng, WANG Ming-nian (1023)
- Analytical methods for horizontal stiffness coefficient at pivots of inner support structures in deep foundation pits JIN Ya-bing, LIU Dong (1031)
- Fitting models for soil-water characteristic curve of total and matrix suctions of Yili loess ZHANG Ai-jun, WANG Yu-guo, XING Yi-chuan, YU Chun-liang, ZHAO Qing-yu (1040)
- Experimental study on effect of initial static pore water pressure on static and dynamic shear properties of sand XU Cheng-shun, LI Yan-mei, PAN Xia, GENG Lin (1050)
- Force states of soils under shield cutting in excavation face based on Kötter equation SU Wei-lin, LI Xing-Gao, JIN Da-long (1058)
- Theoretical solution of site amplification coefficient LI Rui-shan, YUAN Xiao-ming (1066)
- Comparative study on damage characterization and damage evolution of rock under uniaxial compression ZHANG Guo-kai, LI Hai-bo, WANG Ming-yang, LI Jie, DENG Shu-xin (1074)
- Full probabilistic design method for slopes considering geological uncertainty and spatial variability of soil parameters DENG Zhi-ping, NIU Jing-tai, PAN Min, PENG You-wen, CUI Meng (1083)
- Simulation tests on spalling failure in deep straight-wall-top-arch tunnels GONG Feng-qiang, LUO Yong, LIU Dong-qiao (1091)
- Experimental investigation on reinforced characteristics of geogrids in seasonal frozen soil CHEN Rong, WANG Xi-qiang, HAO Dong-xue, SONG Yang-yang, XUE Nan (1101)
- Dynamic coupling simulation of shield construction mechanics considering characteristics of soils XIAO Chao, TAN Li-xin, CHEN Ren-peng, ZHONG Zhi-quan, YANG Jun-sheng (1108)
- Mechanism of dynamic load of longwall mining under shallow room mining goaf HUO Bing-jie, JING Xue-dong, FAN Zhang-lei, XIE Wei, DUAN Zhi-hua, XIE Zhen-hua (1116)
- Cross-hole resistivity inversion method constrained by prior information of incomplete boundary LIU Zheng-yu, PANG Yong-hao, WANG Chuan-wu, YANG-Wei-min, LIU Shen-hua, WANG Ning (1124)
- Experimental study on precipitation rate of MICP under low temperatures SUN Xiao-hao, MIAO Lin-chang, WU Lin-yu, WANG Cheng-cheng, CHEN Run-fa (1133)
- Distribution patterns of final negative pressure in vacuum preloading HU Ya-yuan, QIAN Jing-lin, ZHANG Chao-jie (1139)

NOTES

- Field tests on water storage capacity of loess-gravel capillary barrier covers JIAO Wei-guo, ZHANG Liang-tong, JI Yong-xin, HE Ming-wei, LIU Zhen-nan (1149)
- Crystallization pressure of crystals in porous media ZHOU Feng-xi, YING Sai, CAI Yuan-qiang (1158)
- Hydraulic and solute transport coupling model for fractured rock mass with discrete fracture network using computational method LI Xin-xin, XU Yi (1164)
- Interfacial friction dependence of propagation direction and evolution characteristics of soil desiccation cracks ZENG Hao, TANG Chao-sheng, LIN Luan, XU Jin-jian, LIU Jun-dong, RONG De-zheng, WANG Dong-wei, SHI Bin (1172)

NEWS (1013, 1171, 1180)

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

Invitation for original papers (head page II)