

岩土工程学报

Chinese Journal of Geotechnical Engineering

第44卷

第4期(总377期)

Vol.44

No. 4 (Total 377)

4

2022

主 办

中国水利学会

中国土木工程学会

中国力学学会

中国建筑学会

中国水力发电工程学会

中国振动工程学会

ISSN 1000-4548



9 771000 454223

目 次

论 文

考虑多次扰动影响的盾构隧道结构韧性评估方法及其应用 林星涛, 陈湘生, 苏 栋, 朱 旻, 韩凯航, 陈仁朋 (591)

地表框架结构作用下隧道施工诱发的砂质地层变形 徐敬民, 章定文, 刘松玉 (602)

考虑侧壁摩阻的围岩裂隙中膨润土-砂混合物侵入过程及其模型 叶为民, 许利波, 王 琼, 陈永贵, 陈 宝 (613)

扰动冲击下弱胶结红砂岩的能量耗散与分形特征 张慧梅, 陈世官, 王 磊, 程树范, 杨更社, 申艳军 (622)

饱和块状混合回填土地基的一维固结分析 胡亚元, 周焕慧 (632)

干湿循环对不同粒径组崩解性砂岩改良膨胀土的影响 李国维, 王佳奕, 陈 伟, 吴建涛, 曹雪山, 吴少甫 (643)

纤维加筋植被混凝土基材统计损伤模型研究 丁 瑜, 魏伟兵, 潘 波, 黄群智, 刘振贤, 刘大翔 (652)

全吸力范围非饱和土水力渗透系数的计算 翟 钱, 朱益瑶, 叶为民, 杜延军, 戴国亮, 赵学亮 (660)

基于格子 Boltzmann 方法的土石混合体的渗流特性研究 金 磊, 曾亚武, 程 涛, 李晶晶 (669)

黏土的结构性定量化表征及其弹塑性本构模型研究 李吴刚, 杨 庆, 刘文化, 杨 钢, 孙秀丽 (678)

球形蒸汽源增湿非饱和黄土水热运移规律试验研究 李建东, 王 旭, 张延杰, 蒋代军, 刘德仁, 胡 渊 (687)

堆石料微侧壁摩擦力固结仪的研制与应用 王 龙, 朱俊高, 袁俊平, 陆阳洋 (696)

基于 CT 扫描的砂岩主次裂纹扩展特征及影响因素研究 王 帅, 许 莹, 张艳博, 姚旭龙, 刘祥鑫, 梁 鹏 (702)

改进的 Picard 法在非饱和土渗流中的应用研究 朱帅润, 李绍红, 何 博, 吴礼舟 (712)

引入因子分析的结构面粗糙度 RBF 复合参数模型 尹 宏, 王述红, 董卓然, 侯钦宽 (721)

磨料水射流冲击孔隙岩体的 SPH 模拟研究 周新超, 马小晶, 廖翔云, 齐思维, 李宏煜 (731)

考虑软土软化效应时单桩基础水平循环受荷的有限元数值模拟 慕东霖, 田英辉, 王 乐, 肖 忠 (740)

短 文

基于分数阶黏弹性地基模型的群桩时效行为研究 艾智勇, 叶梓坤, 刘文杰 (749)

黏土在不同应力条件下的渗透过程分析 宋林辉, 王兴亚, 吴昊宇, 周克发, 梅国雄 (755)

基于岩石峰前起裂及峰后特征的脆性评价方法 高美奔, 李天斌, 陈国庆, 孟陆波, 马春驰, 张 岩, 阴红宇, 钟雨奕 (762)

上海地区软土旁压加卸载变形特性试验研究 张 晗, 杨石飞, 王 琳, 林天翔 (769)

饱和砂土坝基液化超重力振动台试验研究 杨凯文, 李俊超, 王 锋, 陈 涛, 汪玉冰, 邹德高, 刘京茂 (778)

简 讯

2022 年黄文熙讲座(第 25 讲)学术报告会通知(第 1 号) (601)

《岩土工程学报》青年论坛学术活动进展报告 (631)

第七届全国工程安全与防护学术会议(二号通知) (659)

彩色插图索引 (711)

《岩土工程学报》征订启事 (748)

《岩土工程学报》第十三届编委会名单 (扉页 I)

征稿简则 (扉页 II)

CONTENTS

PAPERS

- Evaluation method for resilience of shield tunnel linings considering multiple disturbances and its application LIN Xing-tao, CHEN Xiang-sheng, SU Dong, ZHU Min, HAN Kai-hang, CHEN Ren-peng (591)
- Tunneling-induced sandy ground deformation affected by surface framed structures XU Jing-min, ZHANG Ding-wen, LIU Song-yu (602)
- Intrusion process of bentonite-sand mixture and its model in rock fissures with consideration of lateral wall friction YE Wei-min, XU Li-bo, WANG Qiong, CHEN Yong-gui, CHEN Bao (613)
- Energy dissipation and fractal characteristics of weakly cemented red sandstone under disturbance impact ZHANG Hui-mei, CHEN Shi-guan, WANG Lei, CHENG Shu-fan, YANG Geng-she, SHEN Yan-jun (622)
- One-dimensional consolidation analysis of saturated lumpy composite backfill foundation HU Ya-yuan, ZHOU Huan-hui (632)
- Influences of wetting-drying cycles on expansive soils improved with disintegrated sandstone with different particle size groups ... LI Guo-wei, WANG Jia-yi, CHEN Wei, WU Jian-tao, CAO Xue-shan, WU Shao-fu (643)
- Statistical damage model for fiber-reinforced vegetation concrete substrate DING Yu, WEI Wei-bing, PAN Bo, HUANG Qun-zhi, LIU Zhen-xian, LIU Da-xiang (652)
- Estimation of hydraulic conductivity of unsaturated soils under entire suction range ZHAI Qian, ZHU Yi-yao, YE Wei-min, DU Yan-jun, DAI Guo-liang, ZHAO Xue-liang (660)
- Seepage characteristics of soil-rock mixture based on lattice Boltzmann method JIN Lei, ZENG Ya-wu, CHENG Tao, LI Jing-jing (669)
- Structured quantitative characterization and elastoplastic constitutive model of clay LI Wu-gang, YANG Qing, LIU Wen-hua, YANG Gang, SUN Xiu-li (678)
- Experimental study on thermal moisture migration of unsaturated loess humidified by spherical steam source LI Jian-dong, WANG Xu, ZHANG Yan-jie, JIANG Dai-jun, LIU De-ren, HU Yuan (687)
- Development and application of an oedometer with negligible side-wall friction for rockfill materials WANG Long, ZHU Jun-gao, YUAN Jun-ping, LU Yang-yang (696)
- Characteristics and influencing factors for propagation of primary and secondary cracks in sandstone based on CT scan WANG Shuai, XU Ying, ZHANG Yan-bo, YAO Xu-long, LIU Xiang-xin, LIANG Peng (702)
- Application of improved Picard method in unsaturated seepage ZHU Shuai-run, LI Shao-hong, HE Bo, WU Li-zhou (712)
- RBF composite parameter model for structural surface roughness with factor analysis YIN Hong, WANG Shu-hong, DONG Zhuo-ran, HOU Qin-kuan (721)
- Numerical simulation of abrasive water jet impacting porous rock based on SPH method ZHOU Xin-chao, MA Xiao-jing, LIAO Xiang-yun, QI Si-wei, LI Hong-yu (731)
- Finite element numerical simulation of single pile under horizontal cyclic loading considering softening effect of soft soil MU Dong-lin, TIAN Ying-hui, WANG Le, XIAO Zhong (740)

NOTES

- Time-behavior of pile groups based on fractional derivative soil model AI Zhi-yong, YE Zi-kun, LIU Wen-jie (749)
- Permeation process of clay under different stresses ... SONG Lin-hui, WANG Xing-ya, WU Hao-yu, ZHOU Ke-fa, MEI Guo-xiong (755)
- Brittleness evaluation method based on pre-peak crack initiation and post-peak characteristics of rock GAO Mei-ben, LI Tian-bin, CHEN Guo-qing, MENG Lu-bo, MA Chun-chi, ZHANG Yan, YIN Hong-yu, ZHONG Yu-yi (762)
- Experimental researches on in-situ loading and unloading deformation characteristics of soft soil based on pressuremeter tests in Shanghai area ZHANG Han, YANG Shi-fei, WANG Lin, LIN Tian-xiang (769)
- Centrifugal shaking table tests on saturated sand foundation under dam YANG Kai-wen, LI Jun-chao, WANG Feng, CHEN Tao, WANG Yu-bing, ZOU De-gao, LIU Jing-mao (778)

NEWS (601, 631, 659, 711, 748)

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

Invitation for original papers (head page II)