

基础理论与实验研究

- 变形加固理论的力学基础与工程意义.....杨 强, 冷旷代, 刘耀儒 (1)
- 布筋尾砂胶结充填体顶板力学性状试验研究.....赵 奎, 王晓军, 刘洪兴, 等 (9)
- 软弱围岩隧道取消系统锚杆的现场试验研究.....陈建勋, 杨善胜, 罗彦斌, 等 (15)
- 真三维状态下土体强度及变形分叉影响.....吕玺琳, 黄茂松, 钱建固 (21)
- 考虑各向异性的原状软黏土微观结构变化机制研究.....温晓贵, 张 勋, 周 建, 等 (27)
- 沙漠公路风沙土路基风蚀破坏试验研究.....李 驰, 高 瑜 (33)
- 基于硬化土模型的小应变本构模型研究.....王海波, 徐 明, 宋二祥 (39)
- 膨胀土强度影响因素与规律的试验研究.....徐 彬, 殷宗泽, 刘述丽 (44)
- 基于渐近展开法的脆性岩石双尺度方法初步研究.....彭从文, 朱向荣, 王金昌 (51)
- 基于 Hoek-Brown 准则的隧洞围岩变形研究.....温 森, 杨圣奇 (63)
- 椭圆-抛物线双屈服面模型参数灵敏度分析.....史江伟, 朱俊高, 张 丹, 等 (70)
- 隧道围岩爆破损伤防护的霍普金森压杆试验.....代仁平, 郭学彬, 宫全美, 等 (77)
- 高应力深部洞室模型试验分区破裂现象机制的初步研究.....陈旭光, 张强勇 (84)
- 污染对水泥土电阻率特性影响的试验研究.....董晓强, 白晓红, 吕永康, 等 (91)
- 青藏高原冻结粉质黏土直剪蠕变特性试验研究.....曲广周, 张建明, 程东幸 (95)

岩土工程研究

- 成都地铁卵石层中盾构施工开挖面稳定性研究.....王明年, 魏龙海, 路军富, 等 (99)
- 考虑渗流影响的盾构出洞灾害机制研究.....魏新江, 郭志威, 魏 纲, 等 (106)
- 钱塘江盾构越江隧道最小覆土厚度的确定.....沈林冲, 钟小春, 秦建设, 等 (111)
- 重金属工业污染场地固化/稳定处理研究进展.....杜延军, 金 飞, 刘松玉, 等 (116)
- 求水山隧道下穿机荷高速段新奥法施工有限元计算.....王义重, 李勇泉, 傅旭东 (125)
- 盾构隧道纵向等效弯曲刚度的简化计算模型及影响因素分析.....钟小春, 张金荣, 秦建设, 等 (132)
- 溶液矿化度及加量对钠-蒙脱石晶间距的影响研究.....刘向君, 袁书龙, 刘 洪, 等 (137)
- 阴离子表面活性剂对黄土力学特性的影响.....唐晓武, 寇乃羽, 李振泽, 等 (141)
- 爆炸荷载下不同锚固参数围岩的加速度响应分析.....杨自友, 杨本水, 顾金才, 等 (146)
- 考虑挡墙位移效应的被动侧土压力计算方法.....宋 飞, 张建民 (151)
- 盾构施工工艺诱发地表沉降规律浅析.....朱才辉, 李 宁, 柳厚祥, 等 (158)
- 黄土地层盾构隧道受力监测与荷载作用模式的反演分析.....周济民, 何 川, 方 勇, 等 (165)
- 上覆压力及排水条件对吹填软土强度影响.....杨爱武, 闫澍旺, 杜东菊, 等 (172)
- 采用 Laplace 变换分析桩基应力波传播问题.....王 健, 周风华 (179)

DDA 法和 Fisher 判别法在潜在滑坡判别中的应用比较·····	李秀珍, 王成华, 邓宏艳 (186)
冻融作用下水泥及石灰改良土静力特性研究·····	王天亮, 刘建坤, 田亚护 (193)
上埋式盖板涵受力特性及影响因素研究·····	陈保国, 骆瑞萍, 孙金山 (199)
确定性模型在黄土沟壑区斜坡稳定性预测中的应用·····	康超, 谔文武, 张帆宇, 等 (207)
基于块体基础自由振动计算地基阻尼比的新方法·····	田启强, 侯兴民, 王自法 (211)
高喷插芯组合桩水平承载特性大尺寸模型试验研究·····	郑浩, 刘汉龙, 雷玉华, 等 (217)
基于系统评价的块体可靠度指标分析及应用·····	申艳军, 徐光黎, 朱可俊 (224)

数值分析

基于大直径霍普金森压杆数值试验的非均匀介质动态破坏过程分析·····	左宇军, 唐春安, 李术才, 等 (230)
地下工程锚固界面力学模型及其时效性研究·····	伍国军, 褚以悖, 陈卫忠, 等 (237)
局部断层场地对 P 波的散射影响研究·····	梁建文, 冯领香, 巴振宁 (244)
横观各向同性饱和地基三维瞬态 Lamb 问题·····	王小岗 (253)
地震作用下边坡安全系数时程计算及参数研究·····	康永君, 杨军, 宋二祥 (261)
岩溶隧道开挖对溶洞处治结构影响的数值模拟分析·····	周雪铭, 刘辉, 彭川, 等 (269)
新疆火山岩双重介质气藏供排气机理数值模拟研究·····	高树生, 钱根宝, 王彬, 等 (276)
基于非牛顿指数描述的非达西渗流一维固结分析·····	李传勋, 谢康和, 卢萌盟, 等 (281)
柔性桩复合地基承载力数值计算·····	谭峰屹, 汪稔, 赵丽 (288)
不同应力路径下超固结黏土试样变形局部化分析·····	甄文战, 孙德安, 段博 (293)
有限元强度折减法在煤层底板破坏中的应用·····	雷文杰, 汪国华, 薛晓晓 (299)
半无限含水层中带衬砌隧洞渗流解析研究·····	童磊, 谢康和, 卢萌盟, 等 (304)

测试技术

胶结颗粒接触力学特性测试装置研制·····	蒋明镜, 孙渝刚, 李立青 (309)
-----------------------	---------------------

讨论

对“黄土的构度指标及其确定方法”的讨论·····	焦五一 (316)
对“黄土的构度指标及其确定方法”讨论的答复·····	邵生俊 (318)

简讯

第 14 届亚洲土力学及岩土工程会议通知·····	(131)
简讯·····	(223)
致谢审稿专家·····	(封二)
第十二届全国岩石动力学学术会议暨国际岩石动力学专题研讨会·····	(封三)

期刊基本参数: CN42-1199/O3*1979*m*A4*320*zh*P*¥35.00*2000*51*2011-01

本期责任编辑: 田静 排版: 胡惠珍

CONTENTS

Mechanical basis and engineering significance of deformation reinforcement theory.....
YANG Qiang, LENG Kuang-dai, LIU Yao-ru (1)

Experimental study of mechanical behaviors of cemented tailings backfill roof with reinforcement.....
ZHAO Kui, WANG Xiao-jun, LIU Hong-xin, et al (9)

Field test research on elimination of systematic rock bolts in weak rock tunnel.....
CHEN Jian-xun, YANG Shan-sheng, LUO Yan-bin, et al (15)

Strength of soils considering the influence of deformation bifurcation under true triaxial condition.....
LÚ Xi-lin, HUANG Mao-song, QIAN Jian-gu (21)

Changing mechanism of microstructure of intact soft clay considering anisotropy.....
WEN Xiao-gui, ZHANG Xun, ZHOU Jian, et al (27)

Experimental studies of wind erosion failure of aeolian soils subgrade for desert highway.....
LI Chi, GAO Yu (33)

A small strain constitutive model based on hardening soil model.....
WANG Hai-bo, XU Ming, SONG Er-xiang (39)

Experimental study of factors influencing expansive soil strength.....
XU Bin, YIN Zong-ze, LIU Shu-li (44)

Preliminary study of two-scale model for analyzing brittle rock based on asymptotic expansion method.....
PENG Cong-wen, ZHU Xiang-rong, WANG Jin-chang (51)

Study of deformations of surrounding rock of tunnel based on Hoek-Brown criterion.....
WEN Sen, YANG Sheng-qi (63)

Analysis of parameter sensitivity of ellipse-parabola double yield surface model.....
SHI Jiang-wei, ZHU Jun-gao, ZHANG Dan, et al (70)

SHPB test on blasting damage protection of tunnel surrounding rock.....
DAI Ren-ping, GUO Xue-bin, GONG Quan-mei, et al (77)

Mechanism analysis of phenomenon of zonal disintegration in deep tunnel model test under high geostress.....
CHEN Xu-guang, ZHANG Qiang-yong (84)

Experimental study of effects of pollution on electric resistivity characteristics of soil-cement.....
DONG Xiao-qiang, BAI Xiao-hong, LÚ Yong-kang, et al (91)

Experimental study of direct shear creep properties of frozen silty clay on Qinghai-Tibetan Plateau.....
QU Guang-zhou, ZHANG Jian-ming, CHENG Dong-xing (95)

Study of face stability of cobble-soil shield tunnelling at Chengdu Metro.....
WANG Ming-nian, WEI Long-hai, LU Jun-fu, et al (99)

Study of accident mechanism of shield launching considering seepage.....
WEI Xin-jiang, GUO Zhi-wei, WEI Gang, et al (106)

Determination of minimum thickness of overburden layer for shield tunnel through Qiantang River.....
SHEN Lin-chong, ZHONG Xiao-chun, QIN Jian-she, et al (111)

Review of stabilization/solidification technique for remediation of heavy metals contaminated lands.....
DU Yan-jun, JIN Fei, LIU Song-yu, et al (116)

Finite element calculation of NATM construction of Qiushui mountain tunnel beneath Jihe expressway.....
WANG Yi-zhong, LI Yong-quan, FU Xu-dong (125)

Simplified calculation model for longitudinal equivalent bending stiffness of shield tunnel and its influence factors' analysis.....
ZHONG Xiao-chun, ZHANG Jin-rong, QIN Jian-she, et al (132)

Research on effects of solution salinity and dosage on sodium montmorillonite crystalline interspace.....
LIU Xiang-jun, YUAN Shu-long, LIU Hong, et al (137)

Influence of anionic surfactants on mechanical characteristics of loess.....
TANG Xiao-wu, KOU Nai-yu, LI Zhen-ze, et al (141)

Acceleration response analysis of surrounding rock with different anchorage parameters subjected to explosive loads.....
YANG Zi-you, YANG Ben-shui, GU Jin-cai, et al (146)

Computational method of earth pressure at passive side considering wall displacement effect.....
SONG Fei, ZHANG Jian-min (151)

Analysis of ground settlement induced by workmanship of shield tunnelling.....
ZHU Cai-hui, LI Ning, LIU Hou-xiang, et al (158)

Mechanical property testing and back analysis of load models of metro shield tunnel lining in loess strata.....	
.....	ZHOU Ji-min, HE Chuan, FANG Yong, et al (165)
Effects of overburden pressure and drainage conditions on strength of soft dredger fills.....	
.....	YANG Ai-wu, YAN Shu-wang, DU Dong-ju, et al (172)
Analyzing stress wave propagations in a pile foundation using Laplace transform.....	WANG Jian, ZHOU Feng-hua (179)
A comparison of distance and Fisher discrimination methods applied to identifying potential landslides.....	
.....	LI Xiu-zhen, WANG Cheng-hua, DENG Hong-yan (186)
Static properties of cement- and lime-modified soil subjected to freeze-thaw cycles.....	
.....	WANG Tian-liang, LIU Jian-kun, TIAN Ya-hu (193)
Study of stress characteristics and its influencing factors of embankment installation slab-culverts.....	
.....	CHEN Bao-guo, LUO Rui-ping, SUN Jin-shan (199)
Application of deterministic model to analyzing stability of hillslope of loess gully area.....	
.....	KANG Chao, CHEN Wen-wu, ZHANG Fan-yu, et al (207)
A new method of subsoil damping ratio identification based on free vibration of a massive concrete foundation.....	
.....	TIAN Qi-qiang, HOU Xing-min, WANG Zi-fa (211)
Large-scale model test analysis of behaviors of jet grouting (JG) soil-cement-pile strengthened pile under lateral load.....	
.....	ZHENG Hao, LIU Han-long, LEI Yu-hua, et al (217)
Analysis and application of reliability of blocks based on systematic quantitative methodology.....	
.....	SHEN Yan-jun, XU Guang-li, ZHU Ke-jun (224)
Numerical analysis of dynamic failure process of inhomogeneous medium based on large diameter SHPB test.....	
.....	ZUO Yu-jun, TANG Chun-an, LI Shu-cai, et al (230)
Constitutive model of anchorage interface in underground engineering and its time-effect analysis.....	
.....	WU Guo-jun, CHU Yi-dun, CHEN Wei-zhong, et al (237)
Diffraction of plane P waves around a local fault.....	LIANG Jian-wen, FENG Ling-xiang, BA Zhen-ning (244)
Three-dimensional transient Lamb's problem of transversely isotropic saturated soils.....	WANG Xiao-gang (253)
Calculation method and parameter research for time-history of factor of safety of slopes subjected to seismic load.....	
.....	KANG Yong-jun, YANG Jun, SONG Er-xiang (261)
Numerical simulation analysis of deformation effect on treatment structure of karst cave due to karst tunnel excavation.....	
.....	ZHOU Xue-ming, LIU Hui, PENG Chuan, et al (269)
Numerical simulation study of mechanism for gas supplying and draining in volcanic gas reservoir in Xinjiang based on dual media model.....	
.....	GAO Shu-sheng, QIAN Gen-bao, WANG Bin, et al (276)
Analysis of one-dimensional consolidation with non-Darcy flow described by non-Newtonian index.....	
.....	LI Chuan-xun, XIE Kang-he, LU Meng-meng, et al (281)
Numerical calculation for bearing performances of composite foundation improved by flexible piles.....	
.....	TAN Feng-yi, WANG Ren, ZHAO Li (288)
Analysis of strain localization in overconsolidated clay specimens along different stress paths.....	
.....	ZHEN Wen-zhan, SUN De-an, DUAN Bo (293)
Application of finite element strength reduction method to destruction in coal seam floor.....	
.....	LEI Wen-jie, WANG Guo-hua, XUE Xiao-xiao (299)
Analytical study of seepage flow into a lined tunnel in a semi-infinite aquifer.....	
.....	TONG Lei, XIE Kang-he, LU Meng-meng, et al (304)
Development of experimental apparatus for contact behaviour of bonded granules.....	
.....	JIANG Ming-jing, SUN Yu-gang, LI Li-qing (309)