

基础理论与实验研究

- 隧道围岩稳定性正算反演分析研究——以厦门海底隧道穿越风化深槽施工安全监控为例介绍·····孙 钧,戚玉亮 (2353)
动力扰动诱发承压水底板关键层失稳的突变理论研究·····左宇军,李术才,秦泗凤,等 (2361)
一维大变形主、次固结耦合新模型·····丁洲祥,袁大军,朱合华 (2367)
碎石土湿陷性试验研究·····王生新,陆勇翔,尹亚雄,等 (2373)
考虑含水率影响的非饱和原状黄土冻融强度试验研究·····王铁行,罗少锋,刘小军 (2378)
非连续子母块体理论模型研究(II): 实例分析·····王士民,朱合华,蔡永昌 (2383)
复杂应力路径下大理岩三轴渗透试验研究·····王建秀,胡力绳,叶 冲,等 (2389)
粗粒料级配缩尺后压实密度试验研究·····朱俊高,翁厚洋,吴晓铭,等 (2394)
复杂应力条件下围岩破坏的细观特征研究·····温世亿,李 静,苏 霞,等 (2399)
内水压力下水工隧洞衬砌与围岩承载特性研究·····苏凯,伍鹤皋,周创兵 (2407)
岩石应力应变全过程的声发射及分形与混沌特征·····姜永东,鲜学福,尹光志,等 (2413)
不同法向边界条件接触面三维力学特性的试验研究·····冯大阔,侯文峻,张建民,等 (2419)
大理岩弹塑性耦合特性试验研究·····张 凯,周 辉,冯夏庭,等 (2425)
压力型锚索力学机理现场试验研究·····卢 黎,张四平,张永兴,等 (2435)
基于间断位移场的隧道围岩承载能力研究·····李文培,王明洋,范鹏贤 (2441)
冻融作用对饱和粉质黏土抗剪性能的影响·····于琳琳,徐学燕,邱明国,等 (2448)
土石混合体填筑路堤中的非线性蠕变模型探析·····刘新荣,黄 明,祝云华,等 (2453)
不同地区非饱和黄土动力结构性研究·····王志杰,骆亚生,杨永俊 (2459)

· 岩土工程研究

- 水底隧道饱水地层衬砌作用荷载研究·····张志强,何本国,何 川 (2565)
隔堤填筑路堤的稳定性及变形破坏模式分析·····董 云,何卫忠,孙 薇 (2471)
土质围岩开挖破坏模式研究·····王明年,陈炜韬,张 磊,等 (2479)
参数变异性对围护结构稳定性影响分析·····黄广龙,卫 敏,李 娟 (2484)
柔性板桩墙加固斜坡填方地基的土压力分配问题研究·····董 捷,张永兴,黄治云 (2489)
陡坡寺中微风化料的大型三轴试验研究·····徐 明,陈金锋,宋二祥 (2496)
巴东新城区库岸斜坡软弱带特征·····柴 波,殷坤龙,肖拥军 (2501)
考虑桩土相互作用的变截面高墩自振频率计算分析·····赵明华,杨晶,杨明辉 (2507)
齿坎式挡土结构物极限抗滑力研究·····阮长青,屠毓敏,俞亚南 (2514)

吸附离子对粉质粘土及改良土特性的影响	唐晓武, 应丰, 寇乃羽, 等	(2519)
沉桩超孔隙水压力对码头边坡稳定的影响	许英, 李同春, 莫建兵, 等	(2525)
云岭隧道底鼓机理分析	汪洋, 唐雄俊, 谭显坤, 等	(2530)
桩端后注浆浆液上返高度的理论研究	张忠苗, 邹健, 刘俊伟, 等	(2535)
基于多重互相关函数分析剪切波速	何先龙, 赵立珍	(2541)
考虑接头力学特性的盾构隧道衬砌结构计算方法研究	张冬梅, 樊振宇, 黄宏伟	(2546)
一种微型桩组合抗滑结构内力分析方法	肖世国, 鲜飞, 王唤龙	(2553)
二灰改良土动力特性试验研究	张向东, 曹启坤, 潘宇	(2560)
新型桩板结构对高速铁路软基沉降控制作用离心试验	荆志东, 郭永春, 邱恩喜, 等	(2565)
投影寻踪模型在膨胀岩判别与分级中的应用	孙元春, 尚彦军, 曲永新	(2570)
深层搅拌桩复合地基的优化设计	杨磊, 贺为民, 周杨, 等	(2575)
岩土颗粒介质在应力波作用下的接触力与变形关系	陈万祥, 郭志昆, 黄育	(2580)
围岩稳定性评价的投影寻踪权重-属性区间识别模型	徐飞, 王珂, 刘造保	(2587)
不平衡堆载作用下深基坑开挖支护结构性状研究	林刚, 徐长节, 蔡袁强	(2592)
永久振动环境中岩土锚杆适用性的分析和测试	胡忠志, 简文彬	(2599)

数值分析

煤岩突出中孔深扩展与孔洞形成的阵发混沌模型	潘岳, 赵志刚, 张孝武	(2604)
地下洞室开挖爆破围岩松动圈的数值分析计算	肖明, 张雨霆, 陈俊涛, 等	(2613)
基于平动加转动运动场的边坡稳定上限分析	王云岗, 熊凯, 凌道盛	(2619)
基于分形方法的多孔介质有效应力模型研究	闫铁, 李玮, 毕雪亮	(2625)
软土路基大应变黏弹塑性正/反分析沉降预测对比	魏丽敏, 何群, 王永和	(2630)
浅埋暗挖人行地道开挖进尺的计算方法	王志达, 龚晓南	(2637)
砂土液化变形的有限元-无网格耦合方法	莫颖, 唐小微, 栾茂田	(2643)
波浪作用下加固软基上大圆筒结构稳定性分析	肖忠, 王元战, 及春宁, 等	(2648)
基于 TetGen 的复杂 FLAC3D 模型可视化建模方法	荆永滨, 王李管, 贾明涛, 等	(2655)
非饱和土一维固结混合流体方法的解析分析	苏万鑫, 谢康和	(2661)
大体积混凝土温度裂缝扩展过程模拟	刘杏红, 周创兵, 常晓林, 等	(2666)
强夯加固地基的土体竖向位移计算方法研究	高有斌, 刘汉龙, 张敏霞, 等	(2671)
石笼挡土墙的颗粒离散元细观力学模拟研究	孟云伟, 柴贺军, 贾学明	(2677)
防水措施对堤坝地震液化影响的数值分析	夏志凡, 叶冠林, 王建华, 等	(2682)

简讯

关于申请 2010 年度茅以升科学技术奖土力学及岩土工程大奖的通知(2642)

期刊基本参数: CN42-1199/O3*1979*m*A4*336*zh*P* ¥30.00*1500*56*2010-08

本期责任编辑: 方昭茹

CONTENTS

- Normal calculation-back analysis of surrounding rock stability of subsee tunnel.....SUN Jun, QI Yu-liang (2353)
- A catastrophe model for floor water-resisting key stratum instability induced by dynamic disturbance.....ZUO Yu-jun, LI Shu-cai2, QIN Si-feng1, et al (2361)
- A novel coupling model for 1D finite-strain primary-secondary consolidation.....DING Zhou-xiang, YUAN Da-jun, ZHU He-hua (2367)
- Experimental study of collapsiblity of gravel soil.....WANG Sheng-xin, LU Yong-xiang, YIN Ya-xiong, et al (2373)
- Testing study of freezing-thawing strength of unsaturated undisturbed loess considering influence of moisture content.....Wang Tie-hang, Luo Shao-feng, Liu Xiao-jun(2378)
- A discontinuous sub-block model(II):Case analysis.....WANG Shi-min, ZHU He-hua, CAI Yong-chang (2383)
- Triaxial permeability test of marble under complex stress path.....WANG Jian-xiu, HU Li-sheng, YE Chong, et al (2389)
- Experimental study of compact density of scaled coarse-grained soil.....ZHU Jun-gao, WENG Hou-yang, WU Xiao-ming, et al (2394)
- Studies of mesomechanical structure characters of surrounding rock failure under complex stress state.....WEN Shi-yi, LI jing, SU Xia, et al (2399)
- Study of combined bearing characteristics of lining and surrounding rock for hydraulic tunnel under internal water pressure.....SU Kai, WU He-gao, ZHOU Chuang-bing (2407)
- Acoustic emission, fractal and chaos characters in rock stress-strain procedure.....JIANG Yong-dong, XIAN Xue-fu, YIN Guang-zhi, et al (2413)
- Experimental study of 3D cyclic behavior of interface under different normal boundary conditions.....FENG Da-kuo, HOU Wen-jun, ZHANG Jian-min, et al (2419)
- Experimental research on elastoplastic coupling character of marble.....ZHANG Kai, ZHOU Hui, FENG Xia-ting, et al (2425)
- Field pull-out test and behavior analysis of compression type rock anchor cables.....LU Li, ZHANG Si-ping, ZHANG Yong-xing, et al (2435)
- Research on bearing capacity of tunnel surrounding rock based on discontinuous displacement field.....LI Wen-pei, WANG Ming-yang, FAN Peng-xian(2441)
- Influnce of freeze-thaw on shear strength properties of saturated silty clay.....YU Lin-lin, XU Xue-yan, QIU Ming-guo, et al (2448)
- Study of nonlinear creep model of earth-rock aggregate embankment.....LIU Xin-rong, HUANG Ming, ZHU Yun-hua, et al (2453)
- Study of dynamic structural characteristics of unsaturated loesses in different regions.....WANG Zhi-jie, LUO Ya-sheng, YANG Yong-jun (2459)
- Study of load of lining under condition of saturated stratum for underwater tunnels.....ZHANG Zhi-qiang, HE Ben-guo, HE Chuan (2465)
- Analysis of stability & deformation and destruction mode of road embankment built aside dam.....DONG Yun, HE Wei-zhong, SUN Wei (2471)
- Study of failure modes of soil surrounding rock in excavation.....WANG Ming-nian, CHEN Wei-tao, ZHANG Lei, et al (2479)
- Analysis of influence of parameters variability on retaining structure stability.....HUANG Guang-long, WEI Min, LI Juan (2484)
- Study of earth pressure distribution of flexiboard sheet-pile walls used in reinforced fill foundation on ramp.....DONG Jie, ZHANG Yong-xing, HUANG Zhi-yun (2489)
- Large scale triaxial testing of Douposi moderately-to-slightly weathered fill materials.....XU Ming, CHEN Jin-feng, SONG Er-xiang (2496)
- Characteristics of weak-soft zones of Three Gorges Reservoir shoreline slope in new Badong county.....CHAI Bo, YIN Kun-long, XIAO Yong-jun (2501)
- Study of natural frequency of tapered high pier in consideration of pile-soil interaction.....ZHAO Ming-hua, YANG Jing, YANG Ming-hui (2507)
- Study of limit sliding resistance force on retaining structure with tenon.....RUAN Chang-qing, Tu Yu-Min, Yu Ya-nan (2514)
- Effects of cation adsorption on properties of silt clay and mixed dredged soil.....

.....	TANG Xiao-wu, YING Feng, KOU Nai-yu, et al (2519)
Influence of excess pore water pressure induced by pile driving on stability of warf slopes.....	XU Ying, Li Tong-chun, Mo Jian-bing (2525)
Mechanism analysis of floor heave in Yunling Tunnel.....	WANG Yang, TANG Xiong-jun, TAN Xian-kun, et al (2530)
Theoretical study of climbing height of grout in pile-bottom base grouting.....	ZHANG Zhong-miao, ZOU Jian, LIU Jun-wei, et al (2535)
Analysis of shear wave velocity based on multiple cross-correlation functions.....	HE Xian-long, ZHAO Li-zhen (2541)
Calculation method of shield tunnel lining considering mechanical characteristics of joints.....	ZHANG Dong-Mei, FAN Zhen-Yu, HUANG Hong-Wei (2546)
Analytical method of internal forces of a combining micropiles structure.....	XIAO Shi-guo, XIAN Fei, WANG Huan-long (2553)
Experiment research of lime-fly ash Soil's dynamics characteristics.....	ZHANG Xiang-dong, CAO Qi-kun, PAN Yu (2560)
Centrifuge test of new pile-plate structure embankment settlement of soft soil of high-speed railway.....	JING Zhi-dong, GUO Yong-chun, QIU En-xi, et al (2565)
Application of projection pursuit model to swelling identification and grading of argillaceous rock.....	SUN Yuan-chun, SHANG Yan-jun, QU Yong-xin (2570)
Optimal design of deep-mixing pile composite foundation.....	YANG Lei, HE Wei-min, ZHOU Yang, et al (2575)
Contact force-displacement relationship for geotechnical granular medium under stress wave.....	CHEN Wan-xiang, GUO Zhi-kun, HUANG Yu (2580)
Attribute interval recognition model based on projection pursuit weight for evaluation of stability of surrounding rock.....	XU Fei, WANG Ke, LIU Zao-bao(2587)
Research on characters of retaining structures for deep foundation pit excavation under unbalanced heaped load.....	LIN Gang, XU Chang-jie, CAI Yuan-qiang (2592)
Analysis and Test on Applicability of Geotechnical Engineering Anchorage in Permanent Vibration Environment.....	HU Zhong-zhi, JIAN Wen-bin (2599)
Intermittent chaotic model of hole depth developing and opening formation in coal and gas outburst.....	PAN Yue, Zhao Zhi-gang, Zhang Xiao-wu(2604)
Numerical analysis of excavation damaged zone of underground caverns induced by excavation blasting.....	XIAO Ming, ZHANG Yu-ting, CHEN Jun-tao et al (2613)
Upper bound limit analysis of slope stability based on translational and rotational failure mechanism.....	WANG Yun-gang, XIONG Kai, LING Dao-sheng (2619)
Research on effective stress model in porous media based on fractal method.....	YAN Tie, LI Wei, BI Xue-liang (2625)
Comparison of settlement prediction from back analysis with forward analysis for embankment on soft soil foundation based on large strain and visco-elastoplastic model.....	WEI Li-min, HE Qun, WANG Yong-he (2630)
Calculation method of digging length in underpass with underground excavation under shallow cover.....	WANG Zhi-da GONG Xiao-nan (2637)
Finite-element free Galerkin coupling method for sand liquefaction-induced deformation.....	JIE Ying, TANG Xiao-wei, LUAN Mao-tian (2643)
Stability analysis of large cylindrical structure for strengthening soft foundation under wave load.....	XIAO Zhong, WANG Yuan-zhan, JI Chun-ning, et al (2648)
Visual modeling of complex FLAC3D model based on TetGen.....	JING Yong-bin, WANG Li-guan, JIA Ming-tao et al (2655)
Analytical solution of 1D consolidation of unsaturated soil by mixed fluid method.....	SU Wan-xin, XIE Kang-he (2661)
Simulation of mass concrete temperature cracking propagation process.....	LIU Xing-hong, ZHOU Chuang-bing, CHANG Xiao-lin, et al (2666)
Simplified calculation method of soil vertical displacement under dynamic compaction.....	GAO You-bin, LIU Han-long, ZHANG Min-xia, et al (2671)
Mesomechanical research on gabion retaining wall with particle flow code.....	MENG Yun-wei, CHAI He-jun, JIA Xue-ming (2677)
Numerical analysis of effect of waterproof measures on earthquake induced liquefaction of embankment.....	XIA Zhi-fan ^{1,2} , YE Guan-lin ¹ , WANG Jian-hua ¹ , et al (2682)