



岩石力学与工程学报

2011年3月15日 第30卷 第3期(总第238期)

目次

大型洞室群智能动态设计方法及其实践.....	冯夏庭, 江 权, 向天兵, 张春生, 吴世勇 (433)
锦屏 I 级水电站坝基岩体块度指数量化取值分析.....	黄润秋, 霍俊杰 (449)
参数非线性理论流变力学模型研究进展及存在的问题.....	夏才初, 金 磊, 郭 锐 (454)
干燥及饱水岩石圆盘和圆环的巴西劈裂强度.....	尤明庆, 陈向雷, 苏承东 (464)
砂岩高应力峰前卸围压试验研究.....	刘 建, 李建朋 (473)
节理剪切试验及其表面形貌特征变化分析.....	曹 平, 范 祥, 蒲成志, 陈 锐, 周 罕, 郑欣平, 张春阳 (480)
基于质量分级的岩体变形模量统计.....	张宜虎, 周火明, 邹爱清, 钟作武, 秦 磊 (486)
拉力集中全长黏结型锚索长期耐久性研究.....	任爱武, 汪彦枢, 王玉杰, 陈祖煜, 姜昭群 (493)
不同性质煤的微观特性及渗透特性对比试验研究.....	李晓泉, 尹光志 (500)
大型地下洞室地震灾变过程三维动力有限元模拟.....	张志国, 肖 明, 陈俊涛 (509)
大型洞室群稳定性分析与智能动态优化设计的数值仿真研究.....	江 权, 冯夏庭, 向天兵, 周 辉, 陈建林, 补约依呷, 侯 靖 (524)
岩质边坡开挖过程动态仿真分析的块体单元法.....	汪卫明, 丁 刚 (540)
高压注水对煤体瓦斯解吸特性影响的试验研究.....	赵 东, 冯增朝, 赵阳升 (547)
地铁隧道正交穿越地裂缝的相互作用机制试验研究.....	李凯玲, 门玉明, 严静平, 李寻昌 (556)
圆形洞室围岩破坏模式模型试验研究.....	房 倩, 张顶立, 王毅远, 李鹏飞, 李倩倩 (564)
基于矢量和方法的边坡动力稳定性分析.....	郭明伟, 葛修润, 王水林, 王 欢 (572)
两类岩石声发射事件与 Kaiser 效应点识别方法的试验研究.....	王小琼, 葛洪魁, 宋丽莉, 和泰名, 辛 维 (580)
小浪底库岸 I# 滑坡体安全评价.....	沈细中, 杨文丽, 兰 雁 (589)
节理平均迹长与统计窗选位关联性分析.....	申艳军, 徐光黎, 董家兴, 朱可俊 (596)
土工基础	
不同水平偏心距下群桩内力变化规律试验研究.....	陈仁朋, 王书行, 孔令刚, 陈云敏, 顾 明, 袁廉华 (603)
侧限压缩条件下非饱和原状黄土的土水特征.....	陈存礼, 褚 峰, 李雷雷, 曹泽民 (610)
砂土中螺旋挤土灌注桩受力性状模型试验研究.....	刘 钟, 卢璟春, 张 义, 李志毅, 贾玉栋 (616)
全风化花岗岩改良土高速铁路路基填料的适宜性试验研究.....	周援衡, 王永和, 卿启湘, 何 群 (625)
渗透对非饱和原状黄土高边坡土压力和水水平移影响的试验研究.....	黄雪峰, 李 佳 (635)
讨 论	
对“基于突变理论的采空区重叠顶板稳定性强度折减法及应用”的讨论.....	潘 岳, 李爱武 (643)
“对‘基于突变理论的采空区重叠顶板稳定性强度折减法及应用’的讨论”的答复.....	赵延林 (646)
动 态	
下期内容预告.....	(642)
编委点评(十六).....	(I)
《岩石力学与工程学报》征稿简则.....	(II)

责任编辑: 付少兰 刘素锦 排版: 刘玉英

Chinese Journal of Rock Mechanics and Engineering

Vol. 30, No. 3 (Total No. 238) March 15, 2011

CONTENTS

Intelligent and Dynamic Design Method of Large Cavern Group and Its Practice	(433)
.....FENG Xiating, JIANG Quan, XIANG Tianbing, ZHANG Chunsheng, WU Shiyong	
Quantitative Analysis of Rock Mass Block Index for Dam Foundation of Jinping I Hydropower Station.....	(449)
.....HUANG Runqiu, HUO Junjie	
Nonlinear Theoretical Rheological Model for Rock: A Review and Some Problems	(454)
.....XIA Caichu, JIN Lei, GUO Rui	
Brazilian Splitting Strengths of Discs and Rings of Rocks in Dry and Saturated Conditions	(464)
.....YOU Mingqing, CHEN Xianglei, SU Chengdong	
Experimental Research on Sandstone Pre-peak Unloading Process under High Confining Pressure.....	(473)
.....LIU Jian, LI Jianpeng	
Shear Test of Joint and Analysis of Morphology Characteristic Evolution of Joint Surface	(480)
.....CAO Ping, FAN Xiang, PU Chengzhi, CHEN Rui, ZHOU Han, ZHENG Xinping, ZHANG Chunyang	
Statistical Analysis of Deformation Moduli of Rock Masses Based on Quality Classification	(486)
.....ZHANG Yihu, ZHOU Huoming, WU Aiqing, ZHONG Zuowu, QIN Lei	
Research on Durability of Concentrated Tension and Full-bonded Anchor Cables.....	(493)
.....REN Aiwu, WANG Yanshu, WANG Yujie, CHEN Zuyu, JIANG Zhaoqun	
Contrast Test of Microscopic Characteristics and Seepage Properties of Different Coals.....	(500)
.....LI Xiaoquan, YIN Guangzhi	
Simulation of Earthquake Disaster Process of Large-scale Underground Caverns Using Three-dimensional Dynamic Finite Element Method	(509)
.....ZHANG Zhiguo, XIAO Ming, CHEN Juntao	
Numerical Simulation Method for Stability Analysis and Intelligent and Dynamic Optimization Design of Large Cavern Group	(524)
.....JIANG Quan, FENG Xiating, XIANG Tianbing, ZHOU Hui, CHEN Jianlin, BU Yueyixia, HOU Jing	
Block Element Method for Dynamically Simulating Excavation Process of Rock Slope.....	(540)
.....WANG Weiming, DING Gang	
Experimental Study of Effects of High Pressure Water Injection on Desorption Characteristic of Coal-bed Methane(CBM).....	(547)
.....ZHAO Dong, FENG Zengchao, ZHAO Yangsheng	
Test Study of Interaction Mechanism under Metro Tunnel Orthogonally Crossing Ground Fissure	(556)
.....LI Kailing, MEN Yuming, YAN Jingping, LI Xunchang	
Model Test Study of Failure Modes of Surrounding Rock for Circular Caverns.....	(564)
.....FANG Qian, ZHANG Dingli, WONG Louis Ngai Yuen, LI Pengfei, LI Qianqian	
Dynamic Stability Analysis of Slope Based on Vector Sum Analysis Method.....	(572)
.....GUO Mingwei, GE Xiurun, WANG Shuilin, WANG Huan	
Experimental Study of Two Types of Rock Sample Acoustic Emission Events and Kaiser Effect Point Recognition Approach	(580)
.....WANG Xiaoqiong, GE Hongkui, SONG Lili, HE Taiming, XIN Wei	
Safety Evaluation of Landslide No.1 at Xiaolangdi Reservoir Bank	(589)
.....SHEN Xizhong, YANG Wenli, LAN Yan	
Relationship between Mean Trace Length of Joints and Location of Sampling Window	(596)
.....SHEN Yanjun, XU Guangli, DONG Jiaying, ZHU Kejun	
Test Investigation on Distribution of Internal Forces in Pile Groups under Different Lateral Eccentricities.....	(603)
.....CHEN Renpeng, WANG Shuhang, KONG Linggang, CHEN Yunmin, GU Ming, YUAN Lianhua	
Soil-water Characteristics of Unsaturated Undisturbed Loess under Confined Compression Condition	(610)
.....CHEN Cunli, CHU Feng, LI Leilei, CAO Zemin	
Model Test Study of Load Deformation Behavior of Soil Displacement Screw Pile in Sand	(616)
.....LIU Zhong, LU Jingchun, ZHANG Yi, LI Zhiyi, JIA Yudong	
Experimental Study of Appropriateness of Improved Granitic Residual Soil for High-speed Railway Subgrade.....	(625)
.....ZHOU Yuanheng, WANG Yonghe, QING Qixiang, HE Qun	
Test Study on Influence of Immersion on Earth Pressure and Horizontal Displacement of High Slope of Unsaturated Intact Loess	(635)
.....HUANG Xuefeng, LI Jia	
Discussion on "Strength Reduction Method to Study Stability of Goaf Overlapping Roof Based on Catastrophe Theory"	(643)
.....PAN Yue, LI Aiwu	
Reply to "Discussion on 'Strength Reduction Method to Study Stability of Goaf Overlapping Roof Based on Catastrophe Theory'"	(646)
.....ZHAO Yanlin	

Editors: FU Shaolan LIU Sujin Typist: LIU Yuying