

全国中文核心期刊
中国科协优秀期刊

湖北省优秀期刊
EI 核心收录期刊

ISSN 1000-6915
CODEN YLGXF5

岩石力学与工程学报

CHINESE JOURNAL OF
ROCK MECHANICS AND ENGINEERING

第32卷 第6期(总第269期)

Vol.32 No.6(Total No.269)



6
2013

ISSN 1000-6915



中国岩石力学与工程学会 主办
科学出版社 出版



岩石力学与工程学报

2013年6月25日 第32卷 第6期(总第269期)

目次

水电工程高陡边坡全生命周期安全控制研究综述.....	周创兵 (1081)
新型压缩摩擦组合分散型锚索锚固机制及效应研究.....	汪小刚, 杨晓东, 贾志欣, 刘立鹏 (1094)
高地应力硬岩矿山诱导致裂非爆连续开采初探——以开阳磷矿为例.....	李夕兵, 姚金蕊, 杜坤 (1101)
深部岩体变形破坏动态本构模型.....	王明洋, 解东升, 李杰, 张宁 (1112)
岩石微观颗粒接触特性的试验研究.....	蒋明镜, 白闰平, 刘静德, 周雅萍 (1121)
从施工地质灾害看岩体结构动态控制作用.....	尚彦军, 李坤, 王开洋 (1129)
考虑锚杆腐蚀作用的岩质边坡系统可靠度分析.....	李典庆, 蒋水华, 张利民, 周创兵 (1137)
应力与渗流耦合作用下溪洛渡拱坝变形稳定分析.....	林鹏, 刘晓丽, 胡昱, 许文彬, 李庆斌 (1145)
岩体尺寸效应及其特征参数计算.....	梁正召, 张永彬, 唐世斌, 李连崇, 唐春安 (1157)
岩石变形劣化全过程细观试验与细观损伤力学模型研究.....	朱珍德, 黄强, 王剑波, 邵建富, 王伟 (1167)
不同开挖方式下岩石高边坡损伤演化过程比较.....	胡英国, 卢文波, 陈明, 严鹏, 周创兵 (1176)
基于 ν -SVR和MVPSO算法的边坡位移反分析方法及其应用.....	漆祖芳, 姜清辉, 周创兵, 向柏宇, 邵敬东 (1185)
温-压耦合及动力扰动下岩石破碎的能量耗散.....	尹士兵, 李夕兵, 叶洲元, 宫凤强, 周子龙 (1197)
渗透压-应力耦合作用下砂岩渗透率与变形关联性三轴试验研究.....	俞缙, 李宏, 陈旭, 蔡燕燕, 武娜, 穆康 (1203)
基于三角形网格的虚多边形有限元法.....	杨永涛, 郑宏, 张建海 (1214)
深埋洞室岩体开挖卸荷诱导的围岩开裂机制.....	杨建华, 张文举, 卢文波, 陈明, 严鹏 (1222)
基于动力显式方法的岩体结构面剪切破坏特征研究.....	赵宇飞, 汪小刚, 贾志欣, 林兴超 (1229)
基于微震监测与数值模拟的大岗山右岸边坡抗剪洞加固效果分析.....	马克, 唐春安, 李连崇, 李宏, 徐奴文, 肖平, 杨菊英 (1239)
裂隙岩质边坡渗流与非连续变形耦合过程分析.....	刘晓丽, 林鹏, 韩国锋, 何冠鸿 (1248)
锚固结构爆破振动规律与损伤的模型试验.....	周纪军, 汪小刚, 贾志欣, 孔祥松, 夏宇, 耿慧辉, 刘立鹏 (1257)
岩石钻孔原位测试技术的应用与改进.....	贾志欣, 汪小刚, 赵宇飞, 王玉杰 (1264)
考虑时效特性的锚固岩质边坡变形可靠度分析.....	蒋水华, 彭铭, 李典庆, 张利民, 周创兵 (1270)
考虑变形效应的非饱和土相对渗透系数模型.....	胡冉, 陈益峰, 周创兵 (1279)
考虑裂隙动态变化时裂隙土水特征曲线的预测方法研究.....	李锦辉, 郭凌波, 张利民 (1288)
专家风采	
终身奋斗在岩土一线——葛修润院士(三).....	(I, II)
动态	
下期内容预告.....	(1144)

责任编辑: 吴火珍 排版: 易开珍

期刊基本参数 CN 42 - 1397/O3*1982*m*A4*222*zh*P*¥60.00*3300*24*2013 - 06

Chinese Journal of Rock Mechanics and Engineering

Vol. 32, No. 6 (Total No. 269) June 25, 2013

CONTENTS

A Prospect of Researches on Life-cycle Safety Control on High-steep Rock Slopes in Hydropower Engineering	ZHOU Chuangbing	(1081)
Study of Reinforcement Mechanism and Effect of New Pressure-friction-type Prestressed Anchorage Cable	WANG Xiaogang, YANG Xiaodong, JIA Zhixin, LIU Lipeng	(1094)
Preliminary Study for Induced Fracture and Non-explosive Continuous Mining in High-geostress Hard Rock Mine—A Case Study of Kaiyang Phosphate Mine	LI Xibing, YAO Jinrui, DU Kun	(1101)
Dynamic Constitutive Model for Deformation and Fracture of Deep Rock Mass	WANG Mingyang, XIE Dongsheng, LI Jie, ZHANG Ning	(1112)
Experimental Study of Inter-granular Particles Bonding Behaviors for Rock Microstructure	JIANG Mingjing, BAI Runping, LIU Jingde, ZHOU Yaping	(1121)
Insights of Innovation and Development of Rock Mass Structure Dynamic Controlling Froconstruction-triggered Geohazard	SHANG Yanjun, LI Kun, WANG Kaiyang	(1129)
System Reliability Analysis of Rock Slopes Considering Rock Bolt Corrosion	LI Dianqing, JIANG Shuihua, ZHANG Limin, ZHOU Chuangbing	(1137)
Deformation Stability Analysis of Xiluodu Arch Dam under Stress-seepage Coupling Condition	LIN Peng, LIU Xiaoli, HU Yu, XU Wenbin, LI Qingbin	(1145)
Size Effect of Rock Masses and Associated Representative Element Properties	LIANG Zhengzhao, ZHANG Yongbin, TANG Shibin, LI Lianchong, TANG Chun'an	(1157)
Mesoscopic Experiment on Degradation Evolution of Rock Deformation and Its Meso-damage Mechanical Model	ZHU Zhende, HUANG Qiang, WANG Jianbo, SHAO Jianfu, WANG Wei	(1167)
Comparison of Damage Evolution Process of High Rock Slope Excavated by Different Methods	HU Yingguo, LU Wenbo, CHEN Ming, YAN Peng, ZHOU Chuangbing	(1176)
A New Slope Displacement Back Analysis Method Based on v -SVR and MVPSO Algorithm and Its Application	QI Zufang, JIANG Qinghui, ZHOU Chuangbing, XIANG Baiyu, SHAO Jingdong	(1185)
Energy Dissipation of Rock Fracture under Thermo-mechanical Coupling and Dynamic Disturbances	YIN Tubing, LI Xibing, YE Zhouyuan, GONG Fengqiang, ZHOU Zilong	(1197)
Triaxial Experimental Study of Associated Permeability-deformation of Sandstone under Hydro-mechanical Coupling	YU Jin, LI Hong, CHEN Xu, CAI Yanyan, WU Na, MU Kang	(1203)
A Virtual Polygonal Finite Element Method Based on Triangular Mesh	YANG Yongtao, ZHENG Hong, ZHANG Jianhai	(1214)
Cracking Mechanism of Surrounding Rock Induced by Release of Excavation Load in Deep Tunnel	YANG Jianhua, ZHANG Wenju, LU Wenbo, CHEN Ming, YAN Peng	(1222)
Study of Shear Failure Characteristics of Rock Structural Surface Based on Dynamic Explicit Method	ZHAO Yufei, WANG Xiaogang, JIA Zhixin, LIN Xingchao	(1229)
Reinforcement Effects of Anti-shear Gallery of Dagangshan Right Bank Slope Based on Microseismic Monitoring and Numerical Simulations	MA Ke, TANG Chun'an, LI Lianchong, LI Hong, XU Nuwen, XIAO Ping, YANG Juying	(1239)
Hydro-mechanical Coupling Process on Rock Slope Stability Based on Discontinuous Deformation Analysis and Discrete Fracture Network Models	LIU Xiaoli, LIN Peng, HAN Guofeng, HE Guanhong	(1248)
Vibration Rule and Damage of Anchorage Structure Subjected to Blasting Using Model Test	ZHOU Jijun, WANG Xiaogang, JIA Zhixin, KONG Xiangsong, XIA Yu, GENG Huihui, LIU Lipeng	(1257)
Application and Improvement of Rock Borehole In-situ Test Technology	JIA Zhixin, WANG Xiaogang, ZHAO Yufei, WANG Yujie	(1264)
Time-variant Serviceability Reliability Analysis of Anchored Rock Slopes Deformation	JIANG Shuihua, PENG Ming, LI Dianqing, ZHANG Limin, ZHOU Chuangbing	(1270)
A Relative Hydraulic Conductivity Model for Unsaturated Deformable Soils	HU Ran, CHEN Yifeng, ZHOU Chuangbing	(1279)
Prediction of SWCC for Unsaturated Cracked Soil Considering Development Process of Cracks	LI Jinhui, GUO Lingbo, ZHANG Limin	(1288)

Editor: WU Huozhen

Typist: YI Kaizhen