

岩石力学与工程学报

2004年2月15日 第23卷 第4期(总119)

目次

取决于材料状态的变形局部化现象	蔡正银 李相崧 (533)
遥感-岩石力学(IV)——岩石压剪破裂的热红外辐射规律及其地震前兆意义	吴立新 刘善军 吴育华等 (539)
允许变形及断裂的三维离散元计算方法	陈伟 李世海 (545)
高压水射流破岩的数值模拟分析	倪红坚 王瑞和 葛洪魁 (550)
岩土工程反分析的扩展贝叶斯法	陈斌 刘宁 卓家寿 (555)
圆形洞室围岩与结构相互作用的粘弹性解析	刘保国 杜学东 (561)
岩石块体三维接触判断的侵入边法	陈文胜 郑宏 郑榕明等 (565)
急倾斜厚大矿体地下与露天联合开采岩体移动分析的模糊数学模型	李文秀 (572)
裂隙岩体地下工程冒落空间预测模型	王渭明 (578)
开采影响下建筑物损害程度的人工神经网络预测模型	郭文兵 吴财芳 邓喀中 (583)
基于剪切应变梯度塑性理论的断层岩爆失稳判据	王学滨 潘一山 海龙 (588)
非线性破坏准则对竖直边坡稳定性分析的影响	杨小礼 李亮 刘宝琛 (592)
三维地质建模以及在边坡工程中的应用	潘炜 刘大安 钟辉亚等 (597)
椭圆形深凹露天矿稳定性边坡形状确定方法的研究	朱乃龙 张世雄 (603)
大型高速滑坡启程流体动力学机理研究	邢爱国 高广运 陈龙珠等 (607)
三峡库区危岩稳定性计算方法及应用	陈洪凯 唐红梅 王蓉 (614)
三维应力作用下单一裂缝渗流规律的理论与试验研究	常宗旭 赵阳升 胡耀青等 (620)
综合改进的遗传算法反演三维地下水流模型参数	姚磊华 李竞生 (625)
基于实码加速遗传算法的投影寻踪方法在砂土液化势评价中的应用	汪明武 金菊良 李丽 (631)
岩体在冲击载荷作用下的各向异性损伤模型及其应用	刘军 (635)
钙质砂的颗粒破碎和剪胀特性的围压效应	孙吉主 汪稔 (641)
冲击荷载作用下饱和软粘土强度预测模型(英文)	白冰 (645)
控制爆破局部切槽放顶技术的基本参数研究	李俊平 冯长根 周创兵等 (650)
奉节长江大桥北岸边坡在 earthquake 荷载作用下的稳定性分析	陈蜀俊 党晓英 曾心传等 (657)

研究进展与工程实录

颗粒加速规律研究及其在沙尘暴防治中的应用	李云鹏 郭长立 (663)
软岩锚杆强壳体支护结构及合理参数研究	张开智 夏均民 蒋金泉 (668)
静力触探法设计预制桩的分项系数研究	赵春风 徐超 高大钊 (673)
老车站纵向约束长度对换乘站基坑变形影响的敏感性分析	姚燕明 孙巍 陈绪禄等 (678)
内撑式基坑工程周围地下管线的性状分析	李大勇 吕爱钟 曾庆军 (682)
单桩沉降计算理论研究	何思明 郭强 卢国胜 (688)
台阶式加筋土挡土墙设计方法的研究	杨广庆 (695)
抗滑桩结构的土拱效应及其数值模拟	张建华 谢强 张照秀 (699)
新型桩基技术——现浇薄壁筒桩技术	卢建平 曹国宁 张志强等 (704)

博士学位论文摘要

路基边坡坡面冲刷特性与加固材料性能研究	汪益敏 (708)
---------------------------	-----------

动态

下期内容预告	(596)
国际环境振动高级论坛 ISVE/2003 在浙江大学举行	(640)
2003年EI收录本刊论文统计表(IV)	(644)
科探一井完成去年预定计划任务	(667)
来信照登	(687)
相关科技研究成果简介	(694), (707)

责任编辑:唐贻智

期刊基本参数 CN42-1397/O3*1982*s*A4*180*zh*P*¥15.00*3000*33*2004-02

Chinese Journal of Rock Mechanics and Engineering

Vol. 23, No. 4 (Total No. 119) Feb., 2004

CONTENTS

State-Dependent Strain Localization	<i>Cai Zhengyin, Li Xiangsong</i>	(533)
Remote-Sensing-Rock Mechanics(IV)—Laws of Thermal Infrared Radiation from Compressively-Sheared Fracturing of Rock and Its Meanings for Earthquake Omens	<i>Wu Lixin, Liu Shanjun, Wu Yuhua, et al</i>	(539)
Deformable and Rupturable Block Model for 3D Distinct Element Method	<i>Chen Wei, Li Shihai</i>	(545)
Numerical Simulation on Rock Breaking under High Pressure Water Jet	<i>Ni Hongjian, Wang Ruihe, Ge Hongkui</i>	(550)
Extended Bayesian Method of Inverse Analysis in Geoen지니어링	<i>Chen Bin, Liu Ning, Zhuo Jiashou</i>	(555)
Visco-Elastical Analysis on Interaction between Supporting Structure and Surrounding Rocks of Circle Tunnel	<i>Liu Baoguo, Du Xuedong</i>	(561)
Detection of 3D Rock Block Contacts by Penetration Edges	<i>Chen Wensheng, Zheng Hong, Cheng Yungming, et al</i>	(565)
Fuzzy Mathematics Models on Rockmass Displacements due to Open-Underground Combined Mining for Thick Ore Body with Steep Dip Angle	<i>Li Wenxiu</i>	(572)
Forecasting Model of Caving Space for Underground Engineering in Jointed Rockmasses	<i>Wang Weiming</i>	(578)
Artificial Neural Network Prediction Model of Mining-Induced Damage of Buildings	<i>Guo Wenbing, Wu Caifang, Deng Kazhong</i>	(583)
Instability Criterion of Fault Rockburst Based on Gradient-Dependent Plasticity	<i>Wang Xuebin, Pan Yishan, Hai Long</i>	(588)
Influences of Nonlinear Failure Criterion on Stability Analysis of Vertical Cut Using Nonlinear SQP Algorithm	<i>Yang Xiaoli, Li Liang, Liu Baochen</i>	(592)
3D Geological Modeling and Its Application to Slope Engineering	<i>Pan Wei, Liu Da'an, Zhong Huiya, et al</i>	(597)
Study on Determination of Stable Slope Configuration for Oval-Shaped Furrow Pits	<i>Zhu Nailong, Zhang Shixiong</i>	(603)
Study on Hydrodynamics Mechanism of Large Highspeed Landslide in the Set-Out Stage	<i>Xing Aiguo, Gao Guangyun, Chen Longzhu, et al</i>	(607)
Calculation Method of Stability for Unstable Rock and Application to the Three Gorges Reservoir	<i>Chen Hongkai, Tang Hongmei, Wang Rong</i>	(614)
Theoretic and Experimental Studies on Seepage Law of Single Fracture under 3D Stresses	<i>Chang Zongxu, Zhao Yangsheng, Hu Yaoqing, et al</i>	(620)
Parameter Identification of 3D Groundwater Flow Model with Improved Genetic Algorithm	<i>Yao Leihua, Li Jingsheng</i>	(625)
Application of PP Method Based on RAGA to Assessment of Sand Liquefaction Potential	<i>Wang Mingwu, Jin Juliang, Li Li</i>	(631)
Anisotropic Damage Model and Its Application to Rock Materials under Impact Load	<i>Liu Jun</i>	(635)
Influence of Confining Pressure on Particle Breakage and Shear Expansion of Calcareous Sand	<i>Sun Jizhu, Wang Ren</i>	(641)
Model for Predicting Shear Strength of Saturated Soft Clay after Impact Loading	<i>Bai Bing</i>	(645)
Study of Basic Parameters on Local Grooving Top-Caving with Controlled Explosion	<i>Li Junping, Feng Changgen, Zhou Chuangbing, et al</i>	(650)
Seismic Stability Analysis of Slope at North Bank of Fengjie Changjiang River Bridge	<i>Chen Shujun, Dang Xiaoying, Zen Xinchuan, et al</i>	(657)
Study on the Law of Particle Acceleration Motion and Its Application to Prevention of Sandstorm	<i>Li Yunpeng, Guo Changli</i>	(663)
Structure and Application of Strong Shell-Body Support in Soft Rock Roadway	<i>Zhang Kaizhi, Xia Junmin, Jiang Jinquan</i>	(668)
Partial Factors of Prefabricated Pile Design by CPT	<i>Zhao Chunfeng, Xu Chao, Gao Dazhao</i>	(673)
Parameter Sensitivity Analysis of the Effect of Longitudinal Restraint Length of Old Station on Deep Pit Deformation of Transfer Metro Station	<i>Yao Yanming, Sun Wei, Chen Xulu, et al</i>	(678)
Behavior Analysis of Buried Pipeline Response to Nearby Excavation Pit with Braced Retaining Structure	<i>Li Dayong, Lu Aizhong, Zeng Qingjun</i>	(682)
Study on Settlement Calculation of Single Pile	<i>He Siming, Guo Qiang, Lu Guosheng</i>	(688)
Study on Design Method of Tiered Reinforced Earth Retaining Wall	<i>Yang Guangqing</i>	(695)
Arching Effect of Anti-Slide Pile Structure and Its Numerical Simulation	<i>Zhang Jianhua, Xie Qiang, Zhang Zhaoxiu</i>	(699)
Innovation of Technology of Pile Foundation Engineering —— Cast-In-Situ Thin Wall Pot Pile Technology	<i>Lu Jianping, Cao Guoning, Zhang Zhiqiang, et al</i>	(704)