# 岩石力学与工程学报

### 2008年11月15日 第27卷 第11期(总第204期)

#### 目 次

水下交通隧道发展现状与技术难题——兼论"台湾海峡海底铁路隧道建设方案" 王梦恕 (21	
四川汶川 8.0 级地震地表破裂与震害特点  周荣军,黄润秋,雷建成,等 (21)	
开挖卸荷的瞬态特性研究	
统一强度理论的试验数据拟合及评价	
卸荷条件下花岗岩力学特性试验研究黄润秋,黄 达 (22)	
大理岩卸围压幂函数型 Mohr 强度特性研究	
南沙群岛珊瑚礁礁灰岩力学特性研究	21)
基于风化物水理特征的泥石流对岩性敏感性研究张继,韦方强,于苏俊,等 (22)	.27)
柿竹园多金属矿床群空区条件下的崩落特性研究李爱兵,周爱民,尹彦波,等 (22)	
地层条件下凝析气藏的多相渗流特性董平川, 江同文, 唐明龙 (22)	.44)
公路隧道围岩亚级物理力学参数研究	52)
降雨入渗对泥岩-土混填路堤稳定性的影响李汝成,王复明 (22)	
破碎岩质边坡排水隧洞效果监测分析	.67)
双向搅拌桩加固高速公路软土地基现场对比试验研究	.72)
基于三维力学模型的大范围自然边坡稳定性概率评价方法	81)
隧道下穿时地表房屋变形开裂的定量评估	.88)
离心模型试验中土工格栅拉力测量	.95)
深部高应力集中区域矿震活动规律研究	02)
地表预注浆加固公路隧道浅埋偏压破碎围岩效果分析	09)
青藏高原典型多年冻土场地地面脉动特征吴志坚,王兰民,孙军杰,等 (23	16)
地裂缝对地铁明挖整体式衬砌隧道影响机制的模型试验研究黄强兵,彭建兵,门玉明,等 (23)	24)
高寒高海拔地区岩质陡边坡 JYC 生态基材护坡技术 李天斌,徐 华,周雄华,等 (23.	32)
高速公路滑坡稳定性评价及其治理模拟	40)
真空预压法有限元计算比较董志良,陈平山,莫海鸿,等 (23-	47)
仪器设备研制	
煤与瓦斯突出模拟试验台的研制与应用	54)
CSD-60滑动变形计国产系列化研制覃卫民,葛修润,朱祚铎,等 (23d)	63)
学术论坛	
深部围岩分区破裂化理论和实践的讨论	69)
博士学位论文摘要	
岩石工程长期稳定性智能反馈分析方法及应用研究 陈炳瑞 (23)	76)
动态	
下期内容预告(22	.13)
四位华人青年学者荣获国际岩土力学计算方法与进展协会(IACMAG)大奖	· (I)
第七届全国地面岩石工程学术会议暨第二届全国岩石力学与工程实例学术会议第一号通知(征文)	(II)
第二届中国水利水电岩土力学与工程学术讨论会第三号会议通知(	(III)
责任编辑: 林松清	

## **Chinese Journal of Rock Mechanics and Engineering**

## Vol. 27, No. 11 (Total No. 204) Nov. 15, 2008 CONTENTS

Current Developments and Technical Issues of Underwater Traffic Tunnel—Discussion on Construction Scheme of Taiwan	
Strait Undersea Railway Tunnel WANG Mengshu	(2161)
Surface Rupture and Hazard Characteristics of Wenchuan Earthquake with Magnitude 8.0 in Sichuan Province	
ZHOU Rongjun, HUANG Runqiu, LEI Jiancheng, et al	(2173)
Research on Transient Characteristics of Excavation Unloading LU Wenbo, ZHOU Chuangbing, CHEN Ming, et al.	(2184)
Fitting and Evaluation of Test Data Using Unified Strength Theory ————————————————————————————————————	(2193)
Experimental Research on Mechanical Properties of Granites under Unloading Condition HUANG Runqiu, HUANG Da	(2205)
Power Function Based Mohr Strength Criterion for Marble with Unloading Confining Pressures	, ,
	(2214)
Research on Characteristics of Coral Reef Calcareous Rock in Nansha Islands	, ,
	(2221)
Susceptibility Analysis of Debris Flow to Rocks Based on Hydrological Characteristics of Their Weathering Products	, ,
ZHANG Ji, WEI Fangqiang, YU Sujun, et al	(2227)
Research on Caving Characteristics of Shizhuyuan Polymetallic Mine under Multi-mined-out-area Conditions	(2227)
	(2234)
Relative Permeability Law of Multiphase Seepage under High Temperature and Pressure in a Gas Condensate Reservoir	(2234)
DONG Pingchuan, JIANG Tongwen, TANG Minglong	(2244)
	(2244)
Research on Mechanical Parameters of Subclassification Rock Mass of Highway Tunnel	(2252)
WANG Mingnian, WEI Longhai, LI Haijun, et al	(2252)
Effect of Rainfall Infiltration on Stability of Mudstone-soil Mixture Embankment	(2260)
Monitoring and Analysis of Effects of Drainage Tunnel on Crushed-rock Slope	(aa)
SUN Hongyue, SHANG Yuequan, SHEN Yongjiang, et al	(2267)
Comparison Tests on Field Bidirectional Mixing Column for Soft Ground Improvement in Expressway	
	(2272)
A 3D Deterministic Model Based Probabilistic Method for Landslide Hazard Assessment of Large Mountainous Area	
QIU Cheng, XIE Mowen, ESAKI Tetsuro, et al	(2281)
Quantitative Evaluation of House Deformation and Cracks Caused by Tunnel-crossing	
	(2288)
Tension Measurement of Geogrid in Centrifugal Model TestYU Songbo, SHEN Mingrong, CHEN Jianfeng, et al	(2295)
Research on Microseismic Activity Rules in Deep High-stress Concentration District	
LU Caiping, DOU Linming, CAO Anye, et al	(2302)
Treatment Effect Analysis of Shallow-buried Crushed Surrounding Rocks under Unsymmetrical Pressure Reinforced with	
Surface Pregrouting Technology in Highway Tunnel LAI Hongpeng, XIE Yongli, YANG Xiaohua	(2309)
Characteristics of Microseism at Typical Permafrost Sites in Qinghai—Tibet Plateau	
	(2316)
Model Test Study on Effect of Ground Fissure on Open-cut Metro Tunnel with Integral Lining	
HUANG Qiangbing, PENG Jianbing, MEN Yuming, et al	(2324)
Protection Techniques of Steep Rock Slope with JYC Ecological Base Materials in High-cold and High-altitude Area	
LI Tianbin, XU Hua, ZHOU Xionghua, et al	(2332)
Stability Evaluation and Treatment Simulation of an Expressway Landslide ZHAO Yu, WANG Tiecheng, LI Weichao, et al.	(2340)
Comparison of Numerical Simulation with Finite Element Method for Vacuum Preloading	
DONG Zhiliang, CHEN Pingshan, MO Haihong, et al	(2347)
Development and Application of Coal and Gas Outburst Simulation Test Device	,
XU Jiang, TAO Yunqi, YIN Guangzhi, et al	(2354)
Serialized Development of CSD - 60 Sliding Micrometer	(2363)
Discussion on Theory and Practice of Zonal Disintegration in Surrounding Rocks of Deep Roadways	(_2000)
	(2369)
Study on Intelligent Back Analysis Method for Long-term Stability of Rock Engineering and Its Applications	(2307)
Study on michigent Back Analysis viction for Long-term stability of Rock Engliceting and its Applications	(2376)
CHEN Buigrai	(2010)