

## 目 次

### 论 文

- 新型混合边界真三轴仪加载装置及岩土材料试验结果 ..... 殷建华, 周万欢, Md. Kumruzzaman, 郑俊文 (493)  
非饱和原状黄土垂直高边坡潜在土压力原位测试试验研究 ..... 黄雪峰, 李佳, 崔红, 张建华, 邱爽 (500)  
基于物质点方法饱和多孔介质动力学模拟(III)——两相物质点方法 ..... 张洪武, 王鲲鹏 (507)  
鹤煤五矿深部交岔点大断面软岩巷道支护对策研究 ..... 李占金, 唐强达, 齐干 (514)  
海洋高桩基础水平大变位性状模型试验研究 ..... 朱斌, 朱瑞燕, 罗军, 陈仁朋, 孔令刚 (521)  
桩基变刚度调平设计的实施方法研究 ..... 王涛, 高文生, 刘金炳 (531)  
传递岩梁周期裂断步距与周期来压步距差异分析 ..... 卢国志, 汤建泉, 宋振骥 (538)  
土石混合体细观结构渗流数值试验研究 ..... 徐文杰, 王永刚 (542)  
各向异性砂土渐近状态试验研究 ..... 宋飞, 张建民 (551)  
黏土心墙坝漫顶溃决数值模型研究 ..... 任强, 陈生水, 钟启明 (562)  
正融粉质黏土在循环荷载作用下的变形特性研究 ..... 彭丽云, 刘建坤 (567)  
遮帘式板桩码头结构有限元分析 ..... 刘文平, 郑颖人, 慕正银, 焦志斌 (573)  
饱和土冻结透镜体生长过程水热耦合分析 ..... 周扬, 周国庆, 周金生, 王建州 (578)  
一种散粒体材料破坏准则研究 ..... 肖杨, 刘汉龙, 朱俊高 (586)  
真空-堆载联合预压加固吹填土地基有限元分析法的研究 ..... 孙立强, 闫澍旺, 李伟 (592)  
一维块系地质块体波动特性的试验和理论研究 ..... 吴昊, 方秦, 张亚栋, 相恒波, 龚自明 (600)  
Protection against frost heave of L-type retaining walls in cold regions (寒区L型挡土墙的冻胀防治研究) .....  
..... RUI Da-hu(芮大虎), SUZUKI Teruyuki(铃木辉之) (612)

### 短 文

- 边坡爆破振动高程效应分析 ..... 谭文辉, 翟世杰, 毛市龙, 于森, 郭海燕 (619)  
建立土体屈服函数的方法研究 ..... 施维成, 朱俊高 (624)  
水动力作用对黄河口沉积物强度影响的现场试验研究 ..... 杨秀娟, 贾永刚, 单红仙, 吴琼, 刘辉 (630)  
海底隧道岩石覆盖层厚度基于群组的层次分析决策方法 ..... 张宇, 周健南, 纪冲 (638)  
汶川大地震液化宏观现象概述 ..... 曹振中, 袁晓铭, 陈龙伟, 孙锐, 孟凡超 (645)  
基于特尔菲-理想点法的隧道围岩分类研究 ..... 王迎超, 孙红月, 尚岳全, 祝末 (651)

### 简 讯

- 第十一届全国地基处理学术讨论会(CGIS2010)一号通知 ..... (537)  
《岩土工程50讲——岩坛漫话》介绍 ..... (561)  
《岩土工程纵横谈》介绍 ..... (585)  
《岩土工程师手册》(上、下册)介绍 ..... (623)  
本期广告索引 ..... (644)  
其他简讯 ..... (650)  
《岩土工程学报》第十届编委会名单 ..... (扉页 I)  
征稿简则 ..... (扉页 II)

## CONTENTS

### PAPERS

New mixed boundary true triaxial loading device for testing study on 3-D stress-strain-strength behaviour of geomaterials .....	YIN Jian-hua, ZHOU Wan-huan, Md. Kumruzzaman, CHENG Chun-man (493)
Distribution characteristics of earth pressure for unsaturated intact loess .....	HUANG Xue-fen, LI Jia, CUI Hong, ZHANG Jian-hua, QIU Shuang (500)
Material point method for dynamic analysis of saturated porous media (III): two-phase material point method .....	ZHANG Hong-wu, WANG Kun-peng (507)
Supporting strategy for large span intersection in deep soft rock roadway of the Fifth Coal Mine of Hebei Coal Group .....	LI Zhan-jin, TANG Qiang-da, QI Gan (514)
Model tests on characteristics of ocean and offshore elevated piles with large lateral deflection .....	ZHU Bin, ZHU Rui-yan, LUO Jun, CHEN Ren-peng, KONG Ling-gang (521)
Study on implementation method for optimization design of pile foundation stiffness to reduce differential settlement .....	WANG Tao, GAO Wen-sheng, LIU Jin-li (531)
Difference between cyclic fracturing and cyclic weighting interval of transferring rock beams .....	LU Guo-zhi, TANG Jian-quan, SONG Zhen-qi (538)
Meso-structural permeability of S-RM based on numerical tests .....	XU Wen-jie, WANG Yong-gang (542)
Experimental study on asymptotic behaviour of anisotropic sand .....	SONG Fei, ZHANG Jian-min (551)
Numerical model for clay core dam break due to overtopping failure .....	REN Qiang, CHEN Sheng-shui, ZHONG Qi-ming (562)
Deformation properties of thawing silty clay under cyclic loading .....	PENG Li-yun, LIU Jian-kun (567)
Finite element method for covered sheet pile wharfs .....	LIU Wen-ping, ZHENG Ying-ren, CAI Zheng-yin, JIAO Zhi-bin (573)
Ice lens growth process involving coupled moisture and heat transfer during freezing of saturated soil .....	ZHOU Yang, ZHOU Guo-qing, ZHOU Jin-sheng, WANG Jian-zhou (578)
Failure criterion for granular soils .....	XIAO Yang, LIU Han-long, ZHU Jun-gao (586)
Finite element analysis of reclaimed soil foundation consolidated by surcharge preloading combined with vacuum preloading .....	SUN Li-qiang, YAN Shu-wang, LI Wei (592)
Propagation properties of stress waves in one-dimensional geo-block medium .....	WU Hao, FANG Qin, ZHANG Ya-dong, XIANG Heng-bo, GONG Zi-ming (600)
Protection against frost heave of L-type retaining walls in cold regions .....	RUI Da-hu, SUZUKI Teruyuki (612)
<b>NOTES</b>	
Altitude effect of blasting vibration in slopes .....	TAN Wen-hui, QU Shi-jie, MAO Shi-long, YU Miao, GUO Hai-yan (619)
Methods for establishing yield function of soils .....	SHI Wei-cheng, ZHU Jun-gao (624)
Experimental study on impact of marine hydrodynamics on strength of seabed sediments in the Yellow River estuary .....	YANG Xiu-juan, JIA Yong-gang, SHAN Hong-xian, WU Qiong, LIU Hui (630)
Rock covering thickness of sub-sea tunnels based on group AHP .....	ZHANG Yu, ZHOU Jian-nan, JI Chong (638)
Summary of liquefaction macrophenomena in Wenchuan Earthquake .....	CAO Zhen-zhong, YUAN Xiao-ming, CHEN Long-wei, SUN Rui, MENG Fan-chao (645)
Classification of surrounding rock based on Delphi method and ideal point method .....	WANG Ying-chao, SUN Hong-yue, SHANG Yue-quan, ZHU Mo (651)
<b>NEWS</b> .....	(537, 561, 585, 623, 644, 650)
Members of Editorial Board of Chinese Journal of Geotechnical Engineering .....	(head page I )
Invitation for original papers .....	(head page II )