

土木建筑与环境工程

第33卷 第5期 2011年10月

目 次

土木工程

- 施工缝模型及在钢筋混凝土柱非线性分析中的应用 李英民,于婧,夏洪流(1)
钢结构厚板力学性能的低温试验研究 王元清,周晖,胡宗文,等(7)
两串列方形高层建筑局部风压干扰特性分析 韩宁,顾明(13)
高饱和度土的一维连续方程及其固结分析 徐浩峰,谢康和(23)
破碎围岩浅埋偏压隧道衬砌荷载的计算方法 刘小军,张永兴,黄达(28)
预制带肋底板混凝土双向叠合板极限承载力 吴方伯,黄海林,陈伟,等(34)
岩石损伤过程中的渗流特性 韩国锋,王恩志,刘晓丽(41)
钢框架短肢组合钢板剪力墙力学模型 郭震,袁迎曙(51)
堆石蠕变与颗粒破碎特性三轴试验 王琛,詹传妮,何鹏,等(57)
典型拱形壳体风荷载分布规律 马文勇,刘庆宽,肖彬(63)
软质岩中压力型锚索锚固段应力分布特征 卢黎,张永兴,张四平,等(69)
桩网复合地基的模型试验加固效果对比研究 王瑞芳,傅旭东,潘孝诚,等(75)
相对运动法与绝对位移直接求解法算法误差分析 李永华,桂国庆(83)

暖通工程与建筑物理

- 回填料对地埋管换热器性能的影响 李隆键,鲍建镇,廖全,等(90)
高频热扰对地铁隧道土壤温度的影响 于连广,吴喜平,于赫男(95)
太阳能烟囱自然通风的一维稳态模型 苏亚欣,柳仲宝(102)
外窗内遮阳对室内环境影响的测试分析 丁勇,连大旗,李百战,等(108)
住宅辐射-送风末端冷负荷分担率研究 隋学敏,张旭(114)
热湿气候地区墙体内部冷凝分析 郭兴国,陈友明(121)

市政与环境工程

- 聚磷氯化铝的制备新方法及其性能研究 郑怀礼,余炳宏,阳春,等(125)
应对突发氯苯污染的粉末炭吸附工艺实验研究 林明利,崔福义,殷晓桃,等(132)

建筑材料

- 粉煤灰-脱硫石膏水泥基材料水化活性及微结构 高英力,陈瑜,马保国(137)
添加剂对传统糯米灰浆性能的影响及其机理 魏国锋,张秉坚,方世强(143)
矿渣-粉煤灰-氟石膏胶结材激发及毒性 黄绪泉,侯浩波,朱熙,等(150)
EPDM防水卷材耐久性的热老化及动力学预测 尚建丽,米钰(157)

本期栏目主持人：黄宗明 张永兴 付祥钊 郑怀礼 黄佳木

本期执行编辑：胡玲 编辑：王秀玲 胡玲 胡英奎 英文校译：刘猛

期刊基本参数：CN 50-1198/TU * 1957 * b * A4 * 162 * zh * P * ¥10.00 * 1100 * 25 * 2011-10

Journal of Civil, Architectural & Environmental Engineering

Vol. 33 No. 5 Oct. 2011

CONTENTS

Civil Engineering

Construction Joint Modeling and its Application in Nonlinear Analysis of RC Columns	LI Ying-min, YU Jing, XIA Hong-liu(1)
Experimental Analysis of Mechanical Properties of Thick Plate in Steel Structure at Low Temperature	WANG Yuan-qing, ZHOU Hui, HU Zong-wen, et al(7)
Characteristics of Interference Effects on Local Pressure of Two Square Tall Buildings in Tandem Arrangement	HAN Ning, GU Ming(13)
One-dimensional continuity equation and consolidation analysis of unsaturated soils with high degree of saturation	XU Hao-feng, XIE Kang-he(23)
Load Calculation Method of Shallow Tunnel under Unsymmetrical Loadings in Broken Surrounding Rock	LIU Xiao-jun, ZHANG Yong-xing, HUANG Da(28)
Ultimate Bearing Capacity of Concrete Two-way Composite Slabs with Precast Concrete Ribbed Panels	WU Fang-bo, HUANG Hai-lin, CHEN Wei, et al(34)
Seepage Characteristics of Rock during Damage Process	HAN Guo-feng, WANG En-zhi, LIU Xiao-li(41)
Mechanical Model of Steel Plate Composite Shear Walls	GUO Zhen, YUAN Ying-shu(51)
Creep and Particle Breakage Behavior of Rockfill in Triaxial Compression Testing	WANG Chen, ZHAN Chuan-ni, HE Peng, et al(57)
Wind Loads Distribution on Typical Vaulted Shells	MA Wen-yong, LIU Qing-kuan, XIAO Bin(63)
Stress Distribution in Fixed Anchor Length of Compression Type Anchor in Soft Rock Mass	LU Li, ZHANG Yong-xing, ZHANG Si-ping, et al(69)
Contrast Analysis of the Reinforcement Effect of Pile-Net Composite Foundation	WANG Rui-fang, FU Xu-dong, PAN Xiao-Cheng, et al(75)
Error Analysis between Relative Motion Solving Method and Absolute Displacement Direct Solving Method	LI Yong-hua, GUI Guo-qing(83)

HVAC Engineering and Building Physics

Influence of Backfill on Performance of Ground Heat Exchanger	LI Long-jian, BAO Jian-zhen, LIAO Quan, et al(90)
Effect of High-frequency Thermal Disturbance on Soil Temperature around the Metro Tunnels	YU Lian-guang, WU Xi-ping, YU He-nan(95)
One Dimensional Steady Model for Natural Ventilation of Solar Chimney	SU Ya-xin, LIU Zhong-bao(102)
Test and Analysis of Impact of Internal Shading of External Window on Indoor Environment	DING Yong, LIAN Da-qi, LI Bai-zhan, et al(108)
Sharing Rate of Cooling Load of Radiant Terminal Device and Air Supply Terminal Device in Residential Buildings	SUI Xue-min, ZHANG Xu(114)
Analysis of Condensation in Porous Wall Exposed to Hot Humid Climate	GUO Xing-guo, CHEN You-ming(121)

Municipal & Environmental Engineering

On Novel Synthetic Method and Performance of Polymeric Phosphate-aluminum Chloride (PPAC)	ZHENG Huai-li, YU Bing-hong, YANG Chun, et al(125)
Analysis of Powdered Activated Carbon Adsorption Process in Coping with Sudden Pollution of Chlorobenzene in Raw Water	LIN Ming-li, CUI Fu-yi, YIN Xiao-tao, et al(132)

Building Materials

Microstructure and Hydration Activity of Cement-based Materials Containing Fly Ash-Desulphurization Gypsum	GAO Ying-li, CHEN Yu, MA Bao-guo(137)
Influence of Admixtures on Properties of Traditional Sticky Rice-lime Mortar and Their Mechanisms	WEI Guo-feng, ZHANG Bing-jian, FANG Shi-qiang(143)
Activation and Toxicity of Slag-fly Ash-fluorgypsum Cementitious Material	HUANG Xu-quan, HOU Hao-bo, ZHU Xi, et al(150)
Application of Thermal Aging and Kinetics to Predict the Durability of EPDM Waterproofing Membrane	SHANG Jian-li, MI Yu(157)