

中国科技论文统计核心期刊
 国际 CODEN 中心收录期刊
 《中国科学引文数据库》来源期刊
 国际连续出版物数据系统收录期刊
 ICONDA 国际建筑文献数据库收录期刊
 中国科技期刊文摘(CSTA)英文版
 数据库收录期刊
 《中国学术期刊(光盘版)
 检索与评价数据规范》执行优秀期刊



建筑科学

JIANZHU KEXUE

(月刊)

第 27 卷 第 1 期(总第 162 期)

2011 年 1 月 20 日出版

(1985 年创刊)

主 办:中国建筑科学研究院
 编 辑:《建筑科学》编辑部
 地址:北京北三环东路 30 号
 邮编:100013
 电话:010-64517786;84272776
 传真:010-84272776

E-mail:busc@263.net

http://jzkc.chinajournal.net.cn

主 编:吴元炜
 副 主 编:崔建友
 执行副主编:吴立民

印 刷:北京时捷印刷有限公司
 国内发行:全国各地邮局订阅
 邮发代号:2-381

零 售:中国建筑科学研究院
 《建筑科学》编辑部发行室
 国外发行:中国国际图书贸易总公司
 (北京 399 信箱)

广告经营许可证:京朝工商广字
 第 0209 号(101)

目 次

计算分析

- FPS 摩擦摆与碟型弹簧组合隔震系统性能分析研究 葛 楠,苏幼坡,王兴国(1)
- 高层建筑群行人风环境模拟与优化设计研究 杨 易,金新阳,杨立国,等(4)
- 钢框架结构顶底角钢梁柱连接滞回性能研究 李凤霞,布 欣,王新武(9)
- 典型性十字钢框架节点受力性能的有限元分析 邓 鹏,彭海雁,付 涛,等(13)
- RC 框架结构产生“强梁弱柱”的震害分析 毋剑平,杨小卫(17)
- 高层建筑电梯活塞效应对电梯井及其前室烟气运动影响的数值模拟 朱耀杰,赵耀江(20)

应用研究

- 一种新型压型钢板—混凝土双向组合板的承载力研究 张 厚,管晔辉,周和俭(24)
- 竖向刚度对偏心辊轴摩擦摆隔震系统性能影响研究 葛 楠,苏幼坡,王兴国,等(29)
- 混凝土弹塑性本构实用模型研究 齐 虎,李云贵,吕西林(33)
- 城市地下综合交通枢纽火灾控制研究 李炎锋,王 超,樊洪明(39)
- 多层地下交通枢纽的多灾种危险源辨识 庄 鹏,刘松涛,赵东拂(45)
- 非中心 t 分布函数在混凝土强度推定中的应用研究 彭立新(50)
- 桂林粘土应力—应变关系归一化性状研究 赵 鑫,陈学军,王 经,等(53)
- 预应力混凝土管桩桩身受压承载力的成桩工艺系数研究 秋仁东,石玉成,孙铁斌(56)

试验研究

- 高强材料置换截面加固混凝土框架柱的抗震性能试验研究 孙巧珍,刘 畅,翟 彬(61)
- 垃圾填埋场防渗衬垫特性的离心模型试验与数值分析研究 陈继东,施建勇,彭功勤(65)
- 胶结土力学特性与强度分析 陈 伟,刘恩龙(68)
- 从不同土的室内压缩回弹试验分析基坑开挖回弹变形的特征 李建民,滕延京(72)
- 横泉水库坝体强夯试验研究 黄占芳(78)
- 大跨度拱桁架管内预应力损失测试分析 宗钟凌,郭正兴(82)
- 嵌岩桩承载性能试验研究及理论分析 黄 挺,龚维明,戴国亮(85)

工程经验

- 上海保利广场结构设计 哈敏强,陆益鸣,陆道渊(88)
- 岩石锚杆基础在冶金厂房设计中的应用 杨 冶,于健喆,王远志(93)
- 机场跑道“浅层淤泥质土”地基结构填石强夯的设计与处理 杨国荣,刘海迅,秦汉晋(96)
- 格宾柔性挡墙在高速公路弃土场挡墙治理中的应用 龙浪波(101)
- 孔内深层强夯法在湿陷性黄土地基中的应用 李清火,张浩杰(103)

综述 & 论坛

- 中国近代教会大学的学院哥特式建筑 蔡 凌,邓 毅(106)

[期刊基本参数] CN11-1962/TU * 1985 * m * 16 * 112 * zh * P * ¥10.00 * 8000 * 27 * 2011-01

BUILDING SCIENCE

(Monthly Journal)

No. 1 Vol. 27, January 2011

(Initial Issue in 1985)

Director: China Academy of Building
Research

Edited & Published:

Editorial Committee of

BUILDING SCIENCE

Address:

30 Bei San Huan Dong Lu,
Beijing 100013, China

Tel: 86-10-64517786

Fax: 86-10-84272776

E-mail: busc@263.net

http://jzcx.chinajournal.net.cn

Chief editor: WU Yuan-wei

Deputy Chief Editor: WU Li-min

CUI Jian-you

* * * * *

Distributed in China:

Post Office Code Name 2-381

Distributed Abroad:

China International Book Trading
Corporation

(GUO JI SHU DIAN)

P. O. Box 399, Beijing, China

CONTENTS

Computation

- Analysis about the Compound Seismic System Consisting of FPS and Dish Spring
..... GE Nan, et al. (1)
- Numerical Simulation Research on Pedestrian Wind Environment and Optimization
Design of High-Rise Buildings YANG Yi, et al. (4)
- Research on Hysteretic Behavior of Top-Seat-Angle Steel Beam-Column
Connections LI Feng-xia, et al. (9)
- Finite Element Analysis on the Mechanical Behavior of the Typical Cross Steel
Frame Node DENG Peng, et al. (13)
- The Earthquake Damage Analysis of RC Frame Structure with Strong Beam and
Weak Column WU Jian-ping, et al. (17)
- Numerical Simulation of the Smoke Movement in the High-rise Building Elevator
Shaft and the Lobby Impacted by the Elevator Piston Effect
..... ZHU Yao-jie, et al. (20)

Research

- Study on Carrying Capacity of A New Type of Profiled Steel Sheet—Concrete
Two-way Composite Slab ZHANG Hou, et al. (24)
- Disturbance from Vertical Oscillation to Seismic Isolation Behavior of ERFPS
System GE Nan, et al. (29)
- Study on Concrete Elasto-Plastic Practical Constitutive Model Qi Hu, et al. (33)
- Study on Fire Prevention of Underground Urban Comprehensive Transportation
Hub LI Yan-feng, et al. (39)
- Hazard Identification of Multi-Disaster Safety of Underground Multistory Traffic
Hubs ZHUANG Peng, et al. (45)
- Application of Noncentral t Distribution in Concrete Strength Evaluation
..... PENG Li-xin (50)
- Normalized Stress-strain Character of Guilin Clay ZHAO Xin, et al. (53)
- Research on the Safety Factor of Compression Capacity for Prestressed Concrete
Pipe Piles QIU Ren-dong, et al. (56)

Experimental

- Experimental Research on Aseismic Performance of Frame Column Reinforced
by Outer Section Replaced with High-strength Materials
..... SUN Qiao-zhen, et al. (61)
- The Behavior of Liner in Landfill by Centrifuge Model Tests and FEM
..... CHEN Ji-dong, et al. (65)
- Analysis of Mechanical Properties and Strength of Cemented Soils
..... CHEN Wei, et al. (68)
- Reaching for the Character of Rebound Deformation of Foundation Pit Excavation
by Compression and Resilience Test of Different Sorts of Soil
..... LI Jian-min, et al. (72)
- Experiment Research on Dynamic Consolidation of Hengquan Reservoir Dam
..... HUANG Zhan-fang (78)
- The Test Analysis of Loss of Prestress in Pipe of Long-Span Pipe Truss Arch
..... ZONG Zhong-ling, et al. (82)
- Experimental Study and Theoretical Analysis on Bearing Behavior of Rock-
Socketed Piles HUANG Ting, et al. (85)

Experience in Engineering

- Structural Design of Shanghai Poly Plaza HA Min-qiang, et al. (88)
- Rock Bolt Foundation in Metallurgical Workshop Building Design
..... YANG Ye, et al. (93)
- Design of Structure Stonefill Dynamic Compaction and Its Effect Analysis of
"Shallow Muddy Soil" Runway of Airport in Guangzhou
..... YANG Guo-rong, et al. (96)
- Application of the Terramesh Flexible Wall in the Wall Treatment of the Changde
to Zhangjiajie Highway K129 Paragraph LONG Lang-bo (101)
- Application of DDC Technology in Collapsible Loess Foundation
..... LI Qing-huo, et al. (103)

Forum

- The Collegiate Gothic Architecture in the Modern Chinese Protestant Colleges
..... CAI Ling, et al. (106)