



河南省一级期刊

ISSN 1002-5634

CN 41-1249/TV

JOURNAL
OF NORTH
CHINA INSTITUTE
OF WATER
CONSERVANCY AND
HYDROELECTRIC POWER

华北水利水电学院

6

2012

学报

ISSN 1002-5634



9 771002 563077

万方数据

第33卷 第6期
Vol.33 No.6

JOURNAL OF NORTH CHINA INSTITUTE OF WATER CONSERVANCY AND HYDROELECTRIC POWER

Vol. 33 No. 6

(Started in 1980)

(Dec. 2012)

CONTENTS

Study on the Characteristics of Ultra-High Performance Steel Fiber Reinforced Concrete under the Second Explosion	RONG Zhi-dan, SUN Wei, ZHANG Yun-sheng, SHE Wei(1)
Factors Influencing Compressive Strength of Ultra-high-performance Concrete with Coarse Aggregate	PENG Gai-fei, YANG Juan, GAO Yu-xin, WANG Bin(5)
Effect of Temperature on Mechanical Properties of C50 Fiber Concrete	WANG Yan, PANG Er-bo, ZHANG Heng-chun, YANG Long, YUE Jian-nan(10)
High-temperature Dynamic Mechanical Property of Basalt Fiber Reinforced Geopolymeric Concrete	XU Jin-yu, SU Hao-yang, BAI Er-lei, LIU Zhi-qun(14)
Research on Basic Mechanical Properties of Polymer Concrete Strengthened with Basalt Fiber	SONG Yun-xiang, YANG Jing, WANG Jian-qiang(18)
Static and Dynamic Mechanical Behavior of High Performance Steel Fiber Reinforced Concrete Mixed with High Volume Fly Ash ..	LIU Jian-zhong, SUN Wei, MIAO Chang-wen, LIU Jia-ping, CUI Gong, LV Jin, ZHANG Qian-qian(21)
Influences of Steel Fiber on Strength and Toughness of Concrete	ZHAO Liang-ping, GAO Dan-ying, ZHU Hai-tang(29)
Influences of Steel Fiber on Flexural Toughness of Steel Fiber Reinforced C60 High-performance Concrete	CUI Gong, LIU Jian-zhong, ZHOU Hua-xin, LV Jin, LI Chang-feng(33)
Effect of Surface Modification of Steel Fiber on Concrete Properties	LV Jin, LIU Jian-zhong, LU Fu(36)
Research on Mechanical Properties and Chloride Ion Penetration Resistance of Fiber and Nanometer Materials Reinforced Concrete ..	LI Han, GAO Dan-ying, ZHAO Jun(39)
Influencing Factors of the Fiber-cementitious Matrix Interfacial Property at Early Age	YANG Zhi-qian, LI Chang-feng, LIU Jian-zhong(46)
Strain Characteristics of Steel Fiber Reinforced Concrete Coupling Beams	ZHAO Jun, MA Xin, LI Guang-hui(51)
Experimental Study on Fatigue Property of Steel Fiber Partly Reinforced High-strength Concrete Beams	ZHANG Ming, GAO Dan-ying, ZHAO Jun(56)
Bearing Capacity of Steel Fiber Reinforced High Strength Concrete Filled Steel Tube under Axial Compression	LI Shan, LU Yi-yan, LI Na, CHEN Juan(59)
Experimental Study on Crack Resistance of Beam-column Joints Using Steel Fiber Reinforced High-strength Concrete	SHI Ke, GAO Dan-ying, ZHAO Jun(64)
Research on Resilience Models of Hybrid FRP Reinforced Concrete Columns	DENG Zong-cai, ZENG Hong-chao, XU Hai-bin(69)
Design Conception of Ultra-high-performance Fiber Reinforced Concrete Hybrid Pier with Durability Consideration	WU Xiang-guo(73)
Monotonic Loading Experiment Analysis of FRP-concrete Composite Bridge Decks	GU Xu-li, XUE Wei-chen(78)
Experimental Study of Effects of Polypropylene Fiber on Working Performance of Concretes	QIAN Chun-xiang, NIE Yan-feng, HU Ying-bo(83)
Study on Long-term Stability of Self-stress Created by Steel Fiber Reinforced Self-stressing Concrete	WANG Bo-xin, HUANG Cheng-kui(86)
The Discussion on the Durability Mechanism and Test Methods of Textile-reinforced Concrete	TIAN Wen-ling, SUN Xue-feng(89)
Study of Impacting and Abrasion Resistance and Mechanism of Fiber Reinforced Concrete for Navigation Lock	QIN Hong-gen, GENG Shuai-shuai, ZHU Xiao-bin, FENG Chang-wei(93)
Experimental Study on Road Performance of Steel Fiber Reinforced Asphalt Concrete	TANG Ji-yu, GAO Dan-ying, ZHAO Jun(98)
Influence of Loading Frequency on Fatigue Performance of Fiber Reinforced Asphalt Concrete	HUANG Chun-shui, GAO Dan-ying, ZHU Hai-tang(106)
The Application of PVA Fiber in Hydraulic High Arch Dam Concrete	LI Guang-wei, LU Shao-lin, ZHONG Yi-hui(112)
Experimental Research on Application of Fibers in Concrete Face of Rockfill Dam	ZHAO Zheng, SHI Jian-jun, SHI Hui-cong, LIU Guo-ping, LI Zi(116)
Causes and Prevention of Early Diseases of Layered Steel Fiber Reinforced Cement Concrete Pavement	TANG Bai-ou, LONG Qin-chu, LIU Zhen-xing, LIU Guang-hui, LIU Ai-xiang, CHENG Shi-feng(121)
Research Status of Durability of FRP Rebars	WU Sheng-ping, JIANG Jin-yang(124)

华北水利水电学院学报

第33卷第6期(卷终)

(1980年创刊)

(2012年12月)

目次

第十四届全国纤维混凝土学术论文专题

超高性能钢纤维混凝土抗二次接触爆炸性能研究	戎志丹,孙伟,张云升,余伟	(1)
含粗骨料的超高性能混凝土抗压强度的影响因素	朋改非,杨娟,高育欣,王斌	(5)
温度对C50纤维混凝土力学性能的影响	王艳,庞二波,张恒春,杨龙,岳健男	(10)
玄武岩纤维地聚物混凝土的高温动态力学特性	许金余,苏灏扬,白二雷,刘志群	(14)
玄武岩纤维增强聚合物混凝土基本力学性能试验研究	宋云祥,杨静,王建强	(18)
大掺量粉煤灰超高性能钢纤维混凝土的静动态力学行为	刘建忠,孙伟,缪昌文,刘加平,崔琨,吕进,张倩倩	(21)
钢纤维对混凝土强度和韧性的影响	赵亮平,高丹盈,朱海堂	(29)
钢纤维对C60高性能混凝土弯曲韧性的影响	崔琨,刘建忠,周华新,吕进,李长风	(33)
钢纤维表面改性对混凝土性能的影响	吕进,刘建忠,陆富	(36)
纤维纳米混凝土力学性能和抗氯离子渗透性能的研究	李晗,高丹盈,赵军	(39)
纤维-基体早龄期界面性能的影响因素	阳知乾,李长风,刘建忠	(46)
钢筋钢纤维混凝土连梁的变形特点	赵军,马鑫,李光辉	(51)
钢纤维部分增强高强混凝土梁疲劳性能的试验研究	张明,高丹盈,赵军	(56)
钢管纤维混凝土短柱轴压承载力计算分析	李杉,卢亦焱,李娜,陈娟	(59)
钢纤维高强混凝土梁柱节点抗裂性能试验研究	史科,高丹盈,赵军	(64)
层内混杂FRP加固混凝土柱恢复力模型研究	邓宗才,曾洪超,徐海宾	(69)
基于耐久性的超高性能纤维改性混凝土叠合墩柱设计概念	吴香国	(73)
FRP-混凝土组合桥面板单调静力性能的试验研究	古徐莉,薛伟辰	(78)
新拌聚丙烯纤维混凝土工作性能试验研究	钱春香,聂彦锋,胡迎波	(83)
钢纤维自应力混凝土自应力的长期稳定性研究	王伯昕,黄承逵	(86)
纤维编织网增强混凝土耐久性机理和测试方法	田穗苓,孙雪峰	(89)
船闸用纤维混凝土耐撞磨性能与机理分析	秦鸿根,耿帅帅,朱晓斌,冯长伟	(93)
钢纤维沥青混凝土路用性能的试验研究	汤寄予,高丹盈,赵军	(98)
加载频率对纤维沥青混凝土疲劳性能的影响	黄春水,高丹盈,朱海堂	(106)
PVA纤维在水工高拱坝混凝土中的应用	李光伟,鲁少林,钟贻辉	(112)
纤维在面板堆石坝面板混凝土中应用的试验研究	赵正,石建军,施慧聪,刘国平,李孜	(116)
层布式钢纤维水泥混凝土路面早期病害原因及防治	唐白鸥,龙钦初,刘振兴,刘光辉,刘爱翔,程世锋	(121)
FRP筋的耐久性能研究现状	武胜萍,蒋金洋	(124)

基本参数:CN41-1249/TV*1980*b*A4*128*zh*P*¥10.00*1500*28*2012-12

执行编辑:蔡洪涛 陈海涛 杜明侠 乔翠平 英文编辑:乔翠平