

# 水 利 水 运 工 程 学 报

(季 刊)

2009 年 6 月

第 2 期(总第 120 期)

## 目 次

- 引江济太措施对太湖西北部湖区污水滞留和转移风险评估 ..... 吴时强, 范子武, 周 杰, 等(1)
- 含侧向入流一维不平衡输沙方程解法的改进 ..... 王党伟, 杨国录, 王 敏, 等(9)
- 轴-横向荷载作用下超长桩数值模拟 ..... 尹武先, 姚文娟, 程泽坤(15)
- 信息智能融合技术在曹娥江大坝安全监测系统中的应用 ..... 王英禄, 马福恒, 刘成栋(21)
- 长江口全沙物模研究基础及展望 ..... 张俊勇, 陈 立, 吴华林, 等(26)
- 内河船舶交通流量的时空分布特征 ..... 廖 鹏(33)
- 强潮河口悬浮泥沙浓度垂向结构分析——以杭州湾乍浦水域大潮期为例 ... 唐建华, 梁 斌, 李若华(39)
- 不同粒径块石及其组合的护岸效果 ..... 应 强, 张幸农, 张思和, 等(44)
- 三峡电站日调节对下游宜昌站水位的影响 ..... 高亚军, 李国斌, 陆永军(50)
- U 型渡槽环向无粘结预应力钢绞线束优化设置 ..... 陆晓敏, 赵 引, 任青文, 等(55)
- 新沭河河口三洋港建闸的必要性研究 ..... 申 霞, 洪大林, 谢 瑞, 等(61)
- 海洋环境中混凝土抗冻融循环试验研究 ..... 陈迅捷, 欧阳幼玲(68)
- 湖区避风港船舶避风需求预测 ..... 刘俊生, 卞 华(72)
- 饱和粉砂土中压力分散型锚杆摩阻力试验 ..... 顾培英, 邹 庆, 邓 昌, 等(78)
- 验证荷载法在结构可靠度评估中的有效性分析 ..... 李 汇 源(82)
- 拱坝廊道三维配筋可视化方法及应用 ..... 路瑞利, 宋朝辉, 廖小龙(88)

### 出国考察报告

- 潮汐通道系统动力地貌演变的数值模拟研究进展 ..... 陆永军, 季荣耀(93)
- 荷兰与我国海水入侵治理比较分析 ..... 谢兴华, 胡亚安(105)

### 南京水利科学研究院重大成果介绍

- “中国水资源及其开发利用调查评价”成果简介 ..... (109)

# HYDRO-SCIENCE AND ENGINEERING

(Quarterly)

Jun, 2009

No. 2 (Total No. 120)

## CONTENTS

Simulation of sewage detention and transfer owing to water diversion measures and its risk analysis .....	WU Shi-qiang, FAN Zi-wu, ZHOU Jie, et al(1)
Improved method for non-equilibrium sediment transport equations with confluence .....	WANG Dang-wei, YANG Guo-lu, WANG Min, et al(9)
Numerical investigation on interaction of axial and lateral response for super-long pile .....	YIN Wu-xian, YAO Wen-juan, CHENG Ze-kun(15)
Application of information intelligence fusion technology in the Cao'e river floodgate safety monitoring system .....	WANG Ying-lu, MA Fu-heng, LIU Cheng-dong(21)
Foundation and prospect of complete sediment model for the Yangtze estuary .....	ZHANG Jun-yong, CHEN Li, WU Hua-lin, et al(26)
Temporal and spatial distribution of traffic flow in inland waterways .....	LIAO Peng(33)
Discussion on vertical structure of suspended sediment concentration of macro-tidal estuary during spring tide —taking Zhapu of Hangzhou Bay as an example .....	TANG Jian-hua, LIANG Bin, LI Ruo-hua(39)
Rubble stone of different particle sizes and its combined shore protection effect .....	YING Qiang, ZHANG Xing-nong, ZHANG Si-he, et al(44)
Analysis of water level at Yichang Station due to daily storage of the Three Gorges power station .....	GAO Ya-jun, LI Guo-bin, LU Yong-jun(50)
Optimization design of prestressing tendon without bond in U-shape aqueduct bridge .....	LU Xiao-min, ZHAO Yin, REN Qing-wen, et al(55)
Necessity study of Sanyanggang flood gate at Xinshu River estuary .....	SHEN Xia, HONG Da-lin, XIE Rui, et al(61)
Research on the frost-resistant durability of concrete under sea water conditions .....	CHEN Xun-jie, OUYANG You-ling(68)
Wind shelter demand forecast for the ships in the lake-area refuge harbor .....	LIU Jun-sheng, BIAN Hua(72)
Test study on frictional resistance of compression dispersive prestressed anchor in saturated mealy sand .....	GU Pei-ying, ZOU Qing, DENG Chang, et al(78)
Analysis of the proof load method's validity in the evaluation of structure reliability .....	Li Hui-yuan(82)
3D visualizational method of reinforcement in the gallery of arch dam and its application .....	LU Rui-li, SONG Chao-hui, LIAO Xiao-long(88)
<b>REPORTS</b>	
Advances in morphodynamic modeling of tidal inlet systems .....	LU Yong-jun, JI Rong-yao(93)
A comparative analysis of sea water inrush management in the Netherlands and China .....	XIE Xing-hua, HU Ya-an(105)
<b>NEWS</b> .....	(109)