

水 利 水 运 工 程 学 报

(季 刊)

2011 年 6 月

第 2 期(总第 128 期)

目 次

- 有斜桩和无斜桩高桩码头地震反应的非线性有限元分析 李 颖, 贡金鑫(1)
- 后石电厂排水口冲刷及其防护块体稳定试验研究 张 磊, 徐 啸(14)
- 二维扩散方程的 9 点格式有限近似解法 李泰儒, 赵明登, 彭晓春, 槐文信(20)
- 深沱孤礁泡漩水形成特性试验研究 张秀芳, 彭 凯, 尹崇清(26)
- 长江中下游航道整治护滩带损毁机理分析及应对措施 马爱兴, 曹民雄, 王秀红, 蔡国正(32)
- 金沙江大雪滩群河床演变与滩险碍航特性 胡小庆(39)
- 尾矿流槽临界流速和临界坡度计算 胡去劣, 熊梦婕(48)
- 考虑水位分级和退水段独立的感潮河段双向波水位演算 王淑英, 黄国如, 周 维(54)
- 基于统一强度理论的管桩挤土效应分析 罗小艳, 刘伟平(60)
- SPH 方法在自由面问题中的应用 张喜秋, 于昌利(65)
- 三江口窝崩及抢护 章志强, 臧英平, 仲 琳, 应 强, 袁胜英(71)
- 荆江河段水沙条件与主流线特征关系研究 刘 亚, 李义天, 孙昭华, 陈 飞(77)
- 纯化水库防渗方案的优化研究 燕峒胜(84)
- 垂向异重流式分离鳃在静水中的集成试验 张 翔, 邱秀云, 李 琳, 赵 涛, 罗 菲(89)
- 电站泄流对坝下航道影响研究进展 曹民雄, 庞雪松(94)
- 桥墩紊流宽度研究综述 林 姗, 陈明栋, 陈 明(105)

南京水利科学研究院重大成果介绍

- “海港工程混凝土结构耐久性寿命预测与健康诊断研究”成果简介 (111)

HYDRO-SCIENCE AND ENGINEERING

(Quarterly)

Jun. 2011

No. 2 (Total No. 128)

CONTENTS

Nonlinear finite element analysis for seismic performance of wharf structures with and without batter piles attached	<i>LI Ying, GONG Jin-xin</i> (1)
Scour of the outfall and protection stones stability of Houshi Power Plant	<i>ZHANG Lei, XU Xiao</i> (14)
Finite approximate method with 9 points scheme for two-dimensional diffusion equation	<i>LI Tai-ru, ZHAO Ming-deng, PENG Xiao-chun, HUAI Wen-xin</i> (20)
Experimental study on characteristics of boil-eddy flow in deep-pool and detached rock	<i>ZHANG Xiu-fang, PENG Kai, YIN Chong-qing</i> (26)
Failure mechanism and relevant measures for beach protection band in lower-middle reaches of Yangtze River	<i>MA Ai-xing, CAO Min-xiong, WANG Xiu-hong, CAI Guo-zheng</i> (32)
River channel process and navigation hindering property of the Daxuetan shoals in Jinsha River	<i>HU Xiao-qing</i> (39)
Calculation of the critical velocity and the critical slope of trailing hydro-transport in open channels	<i>HU Qu-lie, XIONG Meng-jie</i> (48)
Stage routing for tidal reach based on bidirectional wave method considering water level classification and independent falling curve	<i>WANG Shu-ying, HUANG Guo-ru, ZHOU Wei</i> (54)
Analysis of compacting effects of tubular pile based on unified strength theory	<i>LUO Xiao-yan, LIU Wei-ping</i> (60)
Application of SPH method to solving free surface problems	<i>ZHANG Xi-qiu, YU Chang-li</i> (65)
Pit collapse and emergency protection at the Sanjiangkou riverbank	<i>ZHANG Zhi-qiang, ZANG Ying-ping, ZHONG Lin, YING Qiang, YUAN Sheng-ying</i> (71)
Relationship between flow and sediment regime and changes of main streamline in Jingjiang reach	<i>LIU Ya, LI Yi-tian, SUN Zhao-hua, CHEN Fei</i> (77)
Optimization study on seepage control of Chunhua reservoir	<i>YAN Tong-sheng</i> (84)
Integration experiments of vertical-component density flow water-sediment separation device in still water	<i>ZHANG Xiang, QIU Xiu-yun, LI Lin, ZHAO Tao, LUO Fei</i> (89)
Progress in studies of hydropower station discharge influence on the downstream navigation channel	<i>CAO Min-xiong, PANG Xue-song</i> (94)
Review of studies on turbulence width at piers	<i>LIN Shan, CHEN Ming-dong, CHEN Ming</i> (105)
NEWS	(111)