

目 次

● 泵理论与技术

栏目主编：王福军 袁建平

蒸汽发生器出口管参数对核泵入口流场的影响

刘聪, 王悦荟, 马腾跃, 王鹏飞, 许忠斌, 阮晓东(829)

离心泵平衡孔和背叶片对轴向力特性影响

刘在伦, 芦维强, 赵伟国, 陈淘利(834)

ALIP 电磁泵三维瞬态特性与不稳定流动机理

赵睿杰, 苗衡, 张德胜, 黄俊, 高雄发(841)

导叶径向位置对并用潜水泵性能的影响

程效锐, 张雪莲, 吕博儒, 刘贺(848)

Influence of long and short guide vanes on hydraulic performance of water-jet pump

LI Qiang, XIA Shengsheng, YAN Hao(855)

● 水利水电工程

栏目主编：戴会超 仇宝云

热带高温地区碾压混凝土重力坝温控措施

张晓飞, 王晓平, 张昕, 刘茜, 黄宇, 李守义(863)

大坝变形预报模型应用

江显群, 陈武奋, 邵金龙, 黄钲武(870)

● 流体工程

栏目主编: 王正伟 林建忠

咸水对 UHMWPE 材料摩擦性能影响及微观分析

马习贺, 王振华, 何强, 李文昊, 张勇(875)

动压型机械密封气液固流动特性及性能

陈江龙, 孙冬冬, 吴远征, 陈妙妙, 张培林, 赵斌娟(882)

基于 PANS 模型的湍流 Taylor-Couette 流及其换热特性

刘栋, 丁仕成, 周文杰, 孙思亮, 金亨凡(889)

Experimental study on landscape of CFRP cutting by abrasive water jet

RUAN Xiaofeng, ZOU Jialin, CHEN Zhengwen, XUE Shengxiong, LONG Xinping(895)

● 农业水土工程

栏目主编: 康绍忠 许迪

滴灌水温对土壤入渗和土壤温度的影响

朱红艳, 刘利华, 费良军(902)

砒砂岩重塑土力学特性及本构模型试验研究

李晓丽, 李明玉, 解卫东(909)

小型地下饮用水源安全评价指标体系与模型

侯新月, 赵微, 郎景波, 赵翠(915)

CONTENTS

- Influence of steam generator outlet pipe parameters on inlet flow field of nuclear reactor coolant pump
..... LIU Cong, WANG Yuehui, MA Tengyue, WANG Pengfei, XU Zhongbin, RUAN Xiaodong(829)
- Effect of balance holes and back blades on axial thrust of centrifugal pump
..... LIU Zailun, LU Weiqiang, ZHAO Weiguo, CHEN Taoli(834)
- Three-dimensional transient characteristics and unstable flow of annular linear induction pump
..... ZHAO Ruijie, MIAO Heng, ZHANG Desheng, HUANG Jun, GAO Xiongfa(841)
- Influence of radial position of guide vane on submersible well pump performance
..... CHENG Xiaorui, ZHANG Xuelian, LYU Boru, LIU He(848)
- Influence of long and short guide vanes on hydraulic performance of water-jet pump
..... LI Qiang, XIA Shengsheng, YAN Hao(855)
- Temperature control of RCC gravity dam in tropical high-temperature area
..... ZHANG Xiaofei, WANG Xiaoping, ZHANG Xin, LIU Qian, HUANG Yu, LI Shouyi(863)
- Application of dam deformation prediction model
..... JIANG Xianqun, CHEN Wufen, SHAO Jinlong, HUANG Zhengwu(870)
- Effect of salt water on friction properties and microstructure analysis of UHMWPE
..... MA Xihe, WANG Zhenhua, HE Qiang, LI Wenhao, ZHANG Yong(875)
- Gas-liquid-solid flow characteristics and sealing performance of dynamic pressure mechanical seal
..... CHEN Huilong, SUN Dongdong, WU Yuanzheng, CHEN Miaomiao,
..... ZHANG Peilin, ZHAO Binjuan(882)
- Turbulent Taylor-Couette flow and its heat transfer characteristic based on PANS model
..... LIU Dong, DING Shicheng, ZHOU Wenjie, SUN Siliang, KIM Hyoung Bum(889)
- Experimental study on landscape of CFRP cutting by abrasive water jet
..... RUAN Xiaofeng, ZOU Jialin, CHEN Zhengwen, XUE Shengxiong, LONG Xinping(895)
- Effects of drip irrigation water temperature on soil infiltration and soil temperature
..... ZHU Hongyan, LIU Lihua, FEI Liangjun(902)
- Experimental research on mechanical properties and constitutive model of Pisha-sandstone remolded soil
..... LI Xiaoli, LI Mingyu, XIE Weidong(909)
- Safety evaluation index system and model for small underground drinking water sources
..... HOU Xinyue, ZHAO Wei, LANG Jingbo, ZHAO Cui(915)