

原书缺此页

目 次

● 泵理论与技术

栏目主编: 王福军 刘厚林

压水室结构对离心泵径向力影响的数值分析

江伟, 李国君, 张新盛(93)

不同湍流模型对射流泵内部流场模拟的影响

杨雪龙, 龙新平, 肖龙洲, 吕桥(98)

高比转数混流泵非定常流场压力脉动特性

王春林, 贾飞, 吴志旺, 刘栋(103)

基于 LDV 的离心泵小流量工况内流场测量

冯建军, 武桦, 罗兴铸, 卢金玲(109)

螺杆泵定子及泵内流体温度场分布规律

薛建泉, 张国栋, 李敏慧, 谷国剑, 蒋嫚(113)

水泵叶轮逆向工程软件开发及应用

蒋小平, 施卫东, 李伟, 刘厚林, 谈明高(118)

载荷分布规律对混流泵叶轮设计的影响

常书平, 王永生, 靳栓宝, 苏永生(123)

● 水利水电工程

栏目主编: 戴会超 仇宝云

水泵水轮机预开导叶的优化分析

肖若富, 孙卉, 杨魏, 刘伟超, 王福军(128)

抛物线形断面渠道共轭水深的直接计算公式

冷畅俭, 王羿, 王正中(132)

多能互补发电系统抽水蓄能模型及运行策略

任岩, 郑源, 周兵, 郭齐珂(137)

● 流体工程

栏目主编: 曹树良 林建忠

船舶用输液管路新型消声器特性分析

许伟伟, 吴大转, 王乐勤, 郝宗睿(142)

潜水搅拌机分布对污水处理池搅拌效果的影响

田飞, 施卫东, 卢熙宁, 陈斌, 欧鸣雄(146)

双层桨搅拌槽内气液分散特性的 CFD - DPM 模拟

李良超, 徐斌, 向科峰(151)

基于 CFD 的球阀三维流场数值模拟

张生昌, 张玉林, 方志明, 柯愈龙(157)

● 节水灌溉工程

栏目主编: 康绍忠 许迪

文丘里施肥器结构参数优化对吸肥性能的影响

严海军, 陈燕, 初晓一, 徐云成, 王志鹏(162)

武功地区气候变化及其对夏玉米单产的影响

丁浩, 汪志农, 尚虎君, 张有功(167)

涌泉根灌土壤湿润体运移模型

张智韬, 吴普特, 陈俊英, 朱德兰, 樊晓康(173)

土地整理项目区适宜水面率模型

丁继辉, 俞双恩, 宋静茹(180)

执行编辑 徐云峰

特约编辑 张杰

插图绘制 延晓丹

英文校核 潘中永

CONTENTS

- Numerical analysis the influence of collector configurations on radial force for centrifugal pumps Jiang Wei, Li Guojun, Zhang Xinsheng(93)
- Influence of different turbulence models on simulation of internal flow field of jet pump Yang Xuelong, Long Xinping, Xiao Longzhou, Lü Qiao(98)
- Pressure fluctuation of unsteady flow in high specific speed mixed-flow pump Wang Chunlin, Jia Fei, Wu Zhiwang, Liu Dong(103)
- Measurements of internal flow in centrifugal pump at part-load conditions based on LDV Feng Jianjun, Wu Hua, Luo Xingqi, Lu Jinling(109)
- Temperature distributions of screw pump stator and internal fluid Xue Jianquan, Zhang Guodong, Li Minhui, Gu Guojian, Jiang Man(113)
- Development and application on reverse engineering software of pump impeller Jiang Xiaoping, Shi Weidong, Li Wei, Liu Houlin, Tan Minggao(118)
- Influences of blade loading distribution law on design of mixed-flow pump impeller Chang Shuping, Wang Yongsheng, Jin Shuanbao, Su Yongsheng(123)
- Optimization of misaligned guide vanes scheme of pump-turbine Xiao Ruofu, Sun Hui, Yang Wei, Liu Weichao, Wang Fujun(128)
- Explicit calculation equations for conjugate depths of channels in parabolic-shaped cross-section Leng Changjian, Wang Yi, Wang Zhengzhong(132)
- Model and operation strategy of pumped-storage in hybrid power system Ren Yan, Zheng Yuan, Zhou Bing, Guo Qike(137)
- Analysis on characteristics of new muffler for marine pipelines Xu Weiwei, Wu Dazhuan, Wang Leqin, Hao Zongrui(142)
- Mixing effect in sewage treatment pool by distribution of submersible mixers Tian Fei, Shi Weidong, Lu Xining, Chen Bin, Ou Mingxiong(146)
- CFD – DPM simulation of gas-liquid dispersion in a dual impeller mixing tank Li Liangchao, Xu Bin, Xiang Kefeng(151)
- 3D flow numerical simulation of ball valve based on CFD Zhang Shengchang, Zhang Yulin, Fang Zhiming, Ke Yulong(157)
- Influence of optimization of structural parameters on injection performance of Venturi injector Yan Haijun, Chen Yan, Chu Xiaoyi, Xu Yuncheng, Wang Zhipeng(162)
- Climate change and its impacts on summer maize yield in Wugong region Ding Hao, Wang Zhinong, Shang Hujun, Zhang Yougong(167)
- Prediction model of wetted front migration distance under bubbled-root irrigation Zhang Zhitao, Wu Pute, Chen Junying, Zhu Delan, Fan Xiaokang(173)
- Suitable water surface ratio of land consolidation project areas Ding Jihui, Yu Shuang'en, Song Jingru(180)