

## 目 次

### 学术论文

- 高阶非线性 Boussinesq 型方程及其数值验证.....张洪生, 周华伟, 洪广文(265)  
缝洞型碳酸盐岩油藏井钻遇溶洞试井的解释模型.....杨锋, 王新海, 刘洪(278)  
水平井筒油水变质量分散流动压降研究.....汪志明, 肖京男, 魏建光, 等(284)  
坐标变换方法在过饱和气体计算中的应用研究.....付小莉, 李静(289)  
波浪传播的数值模拟与物理模拟耦合模型.....阳志文, 柳淑学, 李金宣, 等(296)  
收缩—扩散型喷嘴长度影响空化效果的数值分析.....张凤华, 刘海锋, 唐川林(307)  
磨刀门水道枯季咸潮上溯规律分析.....陈荣力, 刘诚, 高时友(312)  
低比转速水泵水轮机“S”区特性数值模拟.....纪兴英, 赖旭(318)  
静水中上升气泡沿倾斜壁面的运动特性试验研究.....鞠花, 陈刚, 李国栋, 等(327)  
非线性球形渗流模型及井底压力动态特征研究.....王永恒, 袁建民, 王东权, 等(333)  
壁面对并列双圆柱尾迹影响的实验研究.....陈波, 李万平(342)  
深海安装中多浮体作业的水动力分析.....孙明, 刘培林, 孙丽萍, 等(351)  
基于非结构网格的非恒定浅水二维有限体积数学模型研究.....岳志远, 曹志先, 李有为, 等(359)  
均匀电场对沿波纹壁面下落液体薄膜流动稳定性的影响.....朴明日, 胡国辉(368)  
多孔介质与流体空间交界面应力跳跃的实验研究.....刘芳, 陈宝明(377)  
三江平原挠力河流域地下水水流数学模型的建立及仿真.....吴昌友, 李中才, 王福林(384)

### 学术活动及其他

- Scopus 数据库简介.....(391)  
第二十三届全国水动力学研讨会征文通知.....(392)

# CHINESE JOURNAL OF HYDRODYNAMICS

Vol.26 No.3 2011

## CONTENTS

A set of high order nonlinear Boussinesq-type equations and its numerical verification	ZHANG Hong-sheng, ZHOU Hua-wei, HONG Guang-wen (265)
Well test interpretation model for wells drilled in cavity of fractured vuggy carbonate reservoirs	YANG Feng, WANG Xin-hai, LIU Hong (278)
Study on pressure drop of oil-water vary mass dispersed flow in horizontal wellbore	WANG Zhi-ming, XIAO Jing-nan, WEI Jiang-guang, et al. (284)
The application of coordinate transform on the gas supersaturation simulation	FU Xiaoli-li, LI Jing (289)
Coupling of numerical and physical model for simulation of wave propagation	YANG Zhi-wen, LIU Shu-xue, LI Jin-xuan, et al. (296)
Numerical analysis for effect of the convergence-divergence nozzle length on cavitation	ZHANG Feng-hua, LIU Hai-feng, TANG Chuan-lin (307)
Analysis of the mechanism on the saltwater intrusion in Modaomen estuary	CHEN Rong-li, LIU Cheng, GAO Shi-you (312)
Numerical simulation of the S-shaped characteristics of the pump-turbine	JI Xing-ying, LAI Xu (318)
Experimental study on motion behavior of single bubble rising along inclined plane in still water	JU Hua, CHEN Gang, LI Guo-dong, et al. (327)
Study on the nonlinear spherical seepage flow modeling and bottomhole pressure dynamic behavior	WANG Yong-heng, YUAN Jian-min, WANG Dong-quan, et al. (333)
Experimental study on the near-wake of two side-by-side circular cylinders influenced by a near-wall	CHEN Bo, LI Wan-ping (342)
Hydrodynamic analyzing of multi-body operation in deepwater installation	SUN Ming, LIU Pei-lin, SUN Li-ping, et al. (351)
Unstructured grid finite volume model for two-dimensional shallow water flows	YUE Zhi-yuan, CAO Zhi-xian, LI You-wei, et al. (359)
Influences of a uniform electric field on the stability of film flows along an inclined wavy wall	PAK Myong-il, HU Guo-hui (368)
Experimental study on stress jump at the porous medium/clear fluid interface	LIU Fang, CHEN Bao-ming (377)
Mathematical model and numerical simulation of groundwater in the Naoli River basin of Sanjiang plain	WU Chang-you, LI Zhong-cai, WANG Fu-lin (384)