

TABLE OF CONTENTS

目 录

Pneumatic Numerical Simulation and Flow Field Display of WIG Craft (某地效翼船气动特性数值模拟及流场显示)	
H. W. ZHENG, Z. M. ZHANG.....	69
Simulation Analysis Based on HyPneu for Concrete Pump Truck's Arms (基于 HyPneu 的混凝土泵车臂架液压系统仿真分析)	
X. LEI, J. X. LIN, Z. LIU, X. Q. YANG.....	78
The Optimal Design and Numerical Simulation of the Swept-Back Blade Sludge Return Pump (后掠式叶轮污泥回流泵的优化设计与数值模拟)	
B. CHEN, Y. MA, Z. X. SUN, J. L. YANG, Q. J. JIN.....	85
CFD Simulation and Research of MBR Single Hollow Fiber Membrane (MBR 单根中空纤维膜丝的 CFD 模拟仿真与研究)	
H. L. MU, C. Q. LI, T. WANG.....	93
Numerical Simulation of the Breaking Process of Surging Breaking Wave Based on SPH (基于 SPH 的激破波破碎过程的数值模拟)	
Z. D. WU, F. XU, J. YAN, J. ZHANG.....	100
Application of Load Sensitive Technology in Engineering Machinery (负载敏感技术在工程机械上的应用)	
J. J. HU, W. Z. GAO, D. B. LV, Z. H. QI, N. LI.....	109
Unsteady Wave Evolution and Test Verification for Three-Dimensional Translating-Pulsating Source Green Function (三维移动脉动源非定常波系演变与试验验证)	
W. B. XIAO, W. LIU, X. H. CHENG, Y. X. WANG.....	114
Optimization Design of Axial Flow Pump Based on Circumferential Velocity (基于圆周分速度的轴流泵优化设计研究)	
B. CHEN, Z. B. LI, H. ZHANG, Y. MA, Y. Z. GU.....	124
Application of Computational Fluid Dynamics in Friction Stir Welding (计算流体力学在搅拌摩擦焊的应用研究)	
W. C. CHEN, Z. C. LI, D. C. KONG, R. Y. LU, E. Z. GAO.....	134
Collision Rules and Digital Circuit Implementation of the FHP-II Lattice Gas Automata in Fluid Mechanics (用于流体力学的 FHP-II 格子气自动机的碰撞规则数字电路实现)	
T. LI, B. Y. WANG, J. H. CHEN, G. W. YAN.....	143

Dynamic Analysis of Radial Throttle Pinhole Hydrostatic Bearing Based on CFD
(基于 CFD 对气体静压径向轴承动态分析)

C. FAN, S. H. GAO, B. LI, Z. NI.....150

Numerical Simulation of Internal Solitary Waves Based on Fluent and Dynamic Response Analysis of Top Tension Risers
(基于 Fluent 的内孤立波数值模拟及其作用下顶张力立管动力响应分析)

H. HAN, X. M. LI, F. WANG, H. Y. GUO.....158