

目 录

2011年第4期(总第39卷·第466期)

2011年4月30日出版



试验研究

- ① 涡旋齿高高效精密测量系统的开发及试验研究 杨建红, 等
⑤ 旋流器内气相时均流场的试验研究 李虹, 等

设计计算

- ⑩ 发动机入口粒子分离器流场数值模拟及流道改进 Floria Paoli, 等
⑯ 叶片进口冲角对离心泵空化特性的影响 王勇, 等
㉑ 蒸汽喷射器的CFD数值模拟 丁学俊, 等
㉖ 旋叶式压缩机排气噪声的数值仿真 杨诚, 等

技术进展

- ㉘ 泵的空化现象研究进展 马富银, 等

经验交流

万方数据

- ㉙ 贯流泵机组结构形式与关键部件比较分析 裴蓓, 等
㉚ 表面粗糙度对无油润滑涡旋压缩机微间隙泄漏的影响 李超, 等
㉛ 基于ANSYS-FATIGUE的曲轴疲劳寿命计算 叶晓琰, 等
㉜ 逆流冷却罗茨鼓风机性能分析 张顾钟, 等

制冷空调

- ㉝ CO₂汽车空调系统匹配分析与试验研究 胡兵, 等
㉞ 户式中央空调工况对比试验研究 李好学, 等
㉟ 浅析两级管式间接与直接三级蒸发冷却空调的运行和性能 王伟, 等
㉛ 温湿度独立控制空调系统关键设备的研究进展 贾磊, 等
㉜ 空调性能试验装置用分离组合式空气热回收器的传热性能分析 韩亚芳, 等
㉞ 空气源热泵除霜问题研究现状与展望 曹小林, 等
㉟ 组合式热管蒸发器在污水源热泵中的应用 吴开荣, 等

荣誉榜

《流体机械》杂志协办单位/名誉编委 前插10

企业介绍

- ㉙ 成都化新密封有限公司
㉚ 浙江盾安人工环境股份有限公司

信 息

- ㉛ 第十一届世界过滤大会征文通知



Initially Published in 1972
Monthly

Sponsor: The Chinese Mechanical Engineering Society

Editor: Editorial Office of Fluid Machinery

Chief Editor: Song Donglan

Vice Chief Editor: Xu Beiqiong

Publisher: Fluid Machinery Journal Association

Director: Song Donglan

Deputy Director: Yue Yang

Address: No.29 Tianhu Road, Hefei,

Anhui P. R. China

Postal Code: 230088

Telephone: (0551)5335505

Fax: (0551)5335453

E-mail: ltjx@chinajournal.net.cn

ltjx@chinapvt.com

http: //ltjx.chinajournal.net.cn

Printer: Hefei Ruida Printing Co.,Ltd.

Abroad Distribution: China International Book

Trading Corporation (P. O. Box 399, Beijing,
P. R. China)

万方数据

CONTENTS

- ① Experimental Study and Development on High-efficiency and Precision Measurement of Scroll Height YANG Jian-hong, et al
- ⑤ Experimental Study on the Time-mean Flow Field in Cyclone Separator LI Hong, et al
- ⑩ Improvement Method of an Inlet Particle Separator Based on Streamlines Analysis Floria Paoli, et al
- ⑯ Effect of Blade Incidence Angle on Cavitation Characteristics in Centrifugal Pump WANG Yong, et al
- ㉑ CFD Simulation of the Steam Injector DING Xue-jun, et al
- ㉖ Simulation of Rotary Vane Compressor's Exhaust Noise YANG Cheng, et al
- ㉛ Development of Cavitation Study on Pump MA Fu-yin, et al
- ㉙ Comparison and Analysis of Large Tubular Pump Units' Structural Style PEI Bei, et al
- ㉜ Effect of Surface Roughness upon Leakage Flow through Micro-clearances in Oil-free Scroll Compressor LI Chao, et al
- ㉚ Calculation of Crankshaft Fatigue Life Based on ANSYS-FATIGUE YE Xiao-yan, et al
- ㉝ Analysis of Performance of Roots Blower with Countercurrent Cooling ZHANG Gu-zhong, et al
- ㉞ Simulation Research and Experimental Study on System Matching of CO₂ Air Conditioning for Vehicles HU Bing, et al
- ㉟ Condition Contrast Test Research of Household Central Air-conditioning System LI Hao-xue, et al
- ㉟ Analysis on Two Levels Tubular Indirect and Direct Third-level Evaporative Cooling Air Conditioning's Movement and Performance WANG Wei, et al
- ㉞ Research Progress on Key Equipments in Temperature and Humidity Independent Control Air-conditioning System JIA Lei, et al
- ㉟ Analysis on Heat Transfer Performance of the Separation of Combined Air Heat Recoverer for Testing Equipment of Air-conditioning Performance HAN Ya-fang, et al
- ㉟ Current Situation and Development Prospect of Air Source Heat Pump Defrosting Research CAO Xiao-lin, et al
- ㉟ Assembled Heat Pipe Evaporator Applied to Waste Water Source Heat Pump WU Kai-rong, et al