

第七届国际多相流测试技术会议

The 7<sup>th</sup> International Symposium on Measurement Techniques for Multiphase Flows

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论文集共包含论文 48 篇, 论文题目中英文对照如下:

英文题目	中文题目	DOI
<b>Lagrangian Frame PIV for capturing vortex shedding from a moving cylinder close to a free surface</b>	基于拉格朗日框架的运动气缸近自由面处涡流脱落 PIV 测量	<a href="http://dx.doi.org/10.1063/1.3694682">http://dx.doi.org/10.1063/1.3694682</a>
<b>PIV measurement of a droplet impact on a thin fluid layer</b>	基于 PIV 测量的液滴对薄流层的影响分析	<a href="http://dx.doi.org/10.1063/1.3694683">http://dx.doi.org/10.1063/1.3694683</a>
<b>Spatiotemporal structure analysis on a bubbly jet flow by using POD</b>	基于 POD 的泡状喷射流时空结构分析	<a href="http://dx.doi.org/10.1063/1.3694684">http://dx.doi.org/10.1063/1.3694684</a>
<b>Measurements of swirling coal combustion and NO formation</b>	旋转煤粉燃烧与一氧化氮形成的测量	<a href="http://dx.doi.org/10.1063/1.3694685">http://dx.doi.org/10.1063/1.3694685</a>
<b>Experimental study on condensation heat transfer of ethanol-water mixtures on a vertical mini-tube</b>	垂直细管中乙醇和水混合液凝结换热实验研究	<a href="http://dx.doi.org/10.1063/1.3694686">http://dx.doi.org/10.1063/1.3694686</a>
<b>Experimental investigation of the local heat transfer in a vertical gas-liquid slug unit</b>	垂直气液塞单元局部热转移的实验研究	<a href="http://dx.doi.org/10.1063/1.3694687">http://dx.doi.org/10.1063/1.3694687</a>
<b>Numerical investigation of influence on heat transfer characteristics to pneumatically conveyed dense phase flow by selecting models and boundary conditions</b>	基于模型与边界条件选取的传热特性对气动稠相输送流影响的仿真研究	<a href="http://dx.doi.org/10.1063/1.3694688">http://dx.doi.org/10.1063/1.3694688</a>
<b>CFD approach to flow-induced vibrations of tandemly placed circular cylinders</b>	基于 CFD 方法串联气缸流体振动研究	<a href="http://dx.doi.org/10.1063/1.3694689">http://dx.doi.org/10.1063/1.3694689</a>
<b>Cavitating flows around a NACA0015 hydrofoil and a bluff body. The effect of cavitation on turbulent structure of the flows</b>	NACA0015 水翼及阻流体周围空化流动对湍流结构的影响	<a href="http://dx.doi.org/10.1063/1.3694690">http://dx.doi.org/10.1063/1.3694690</a>

<b>Water layer height measurement in oil-water two-phase flows</b>	油水两相流中水层厚度测量	<a href="http://dx.doi.org/10.1063/1.3694691">http://dx.doi.org/10.1063/1.3694691</a>
<b>Measuring two phase flow parameters using impedance cross-correlation flow meter</b>	两相流阻抗法互相关流流量计	<a href="http://dx.doi.org/10.1063/1.3694692">http://dx.doi.org/10.1063/1.3694692</a>
<b>Well logging interpretation of production profile in horizontal oil-water two phase flow pipes</b>	水平油水两相流管路中生产剖面的测井解释	<a href="http://dx.doi.org/10.1063/1.3694693">http://dx.doi.org/10.1063/1.3694693</a>
<b>Design of internal structures of conductance sensors for gas-water two-phase flow measurement</b>	用于气水两相流测量的电导传感器内部结构设计	<a href="http://dx.doi.org/10.1063/1.3694694">http://dx.doi.org/10.1063/1.3694694</a>
<b>Time-frequency analysis of vertical upward oil-water two phase flow</b>	垂直上升油水两相流的时频分析	<a href="http://dx.doi.org/10.1063/1.3694695">http://dx.doi.org/10.1063/1.3694695</a>
<b>The response of combined capacitance sensor in the horizontal condition</b>	组合电容传感器水平流动响应特性	<a href="http://dx.doi.org/10.1063/1.3694696">http://dx.doi.org/10.1063/1.3694696</a>
<b>Study on performance of double helical capacitance probe for water fraction measurement in multiphase flow</b>	用于多相流含水率测量的双螺旋电容探针性能研究	<a href="http://dx.doi.org/10.1063/1.3694697">http://dx.doi.org/10.1063/1.3694697</a>
<b>An experimental study of on-line measurement of water fraction in gas-oil-water three-phase flow</b>	油气水三相流含水率在线测量实验研究	<a href="http://dx.doi.org/10.1063/1.3694698">http://dx.doi.org/10.1063/1.3694698</a>
<b>Measurement for void fraction distribution of high-speed water jet by laser tomography technique</b>	基于激光成像技术的高速水射流空隙率分布测量	<a href="http://dx.doi.org/10.1063/1.3694699">http://dx.doi.org/10.1063/1.3694699</a>
<b>A LabVIEW based software for online identification of gas-water two-phase flow regime</b>	基于Labview的气水两相流在线识别	<a href="http://dx.doi.org/10.1063/1.3694700">http://dx.doi.org/10.1063/1.3694700</a>
<b>Measurement of hydrodynamic parameters in multi-stage bubble column using electrical resistance tomography techniques</b>	基于电阻层析成像技术的多级鼓泡塔流体动力学参数测量	<a href="http://dx.doi.org/10.1063/1.3694701">http://dx.doi.org/10.1063/1.3694701</a>
<b>Optimum design of vision sensor for the three-dimensional measurement of bubbles</b>	气泡三维测量的视觉传感器的优化设计	<a href="http://dx.doi.org/10.1063/1.3694702">http://dx.doi.org/10.1063/1.3694702</a>
<b>Multiphase flow investigations with ultrafast electron beam x-ray tomography</b>	基于超快x射线电子束层析成像的多相流研究	<a href="http://dx.doi.org/10.1063/1.3694703">http://dx.doi.org/10.1063/1.3694703</a>
<b>Single-shot charge-discharge circuit for dynamic electrical capacitance tomography</b>	用于动态电容层析成像的单端充放电电路	<a href="http://dx.doi.org/10.1063/1.3694704">http://dx.doi.org/10.1063/1.3694704</a>

<b>A PXI based operating-strategy-configurable ERT for gas-water horizontal flow regime identification</b>	基于 PXI 总线工作方式可调的 ERT 系统及气水水平流型识别	<a href="http://dx.doi.org/10.1063/1.3694705">http://dx.doi.org/10.1063/1.3694705</a>
<b>Effect of droplet diameter on liquid impingement erosion</b>	液滴直径对流体冲击腐蚀作用的研究	<a href="http://dx.doi.org/10.1063/1.3694706">http://dx.doi.org/10.1063/1.3694706</a>
<b>Size distributions of micro-bubbles generated by a pressurized dissolution method</b>	加压溶解伴生微气泡的尺寸分布研究	<a href="http://dx.doi.org/10.1063/1.3694707">http://dx.doi.org/10.1063/1.3694707</a>
<b>Thickness measurement of full field soap bubble film in real time based on large lateral shearing displacement interferometry</b>	基于大尺度横向剪切位移干涉的全域肥皂泡膜厚度实时测量	<a href="http://dx.doi.org/10.1063/1.3694708">http://dx.doi.org/10.1063/1.3694708</a>
<b>The optical principles of PFBI approach</b>	PFBI 方法的光学原理	<a href="http://dx.doi.org/10.1063/1.3694709">http://dx.doi.org/10.1063/1.3694709</a>
<b>Various aspects of application of high-speed LIF-technique to studying the wavy structure of liquid film in annular gas-liquid flow</b>	应用高速 LIF 技术对环形气液流的液膜波状结构研究	<a href="http://dx.doi.org/10.1063/1.3694710">http://dx.doi.org/10.1063/1.3694710</a>
<b>A newly developed method for detecting a pierced position/angle by using a pre-signal in bubble measurement via a single-tip optical-fiber probe</b>	一种基于单点光纤探针测量气泡信号的穿孔位置/角度检测新方法	<a href="http://dx.doi.org/10.1063/1.3694711">http://dx.doi.org/10.1063/1.3694711</a>
<b>Continuous phase velocity profile measurement in multiphase flow using a non-invasive multi-electrode electromagnetic flow meter</b>	基于多电极电磁流量计的多相流连续相速度场测量	<a href="http://dx.doi.org/10.1063/1.3694712">http://dx.doi.org/10.1063/1.3694712</a>
<b>3D simulation on influence of insulating contents to contactless electromagnetic induction flowmeter</b>	无触点电磁感应流量计中绝缘成分影响的 3D 仿真研究	<a href="http://dx.doi.org/10.1063/1.3694713">http://dx.doi.org/10.1063/1.3694713</a>
<b>Measurement system design of an imaging electromagnetic flow meter</b>	电磁流动成像测量系统设计	<a href="http://dx.doi.org/10.1063/1.3694714">http://dx.doi.org/10.1063/1.3694714</a>
<b>Effect of particle distribution on electrostatic tomography system</b>	静电成像系统颗粒分布影响研究	<a href="http://dx.doi.org/10.1063/1.3694715">http://dx.doi.org/10.1063/1.3694715</a>
<b>A new type of electrostatic sensor for velocity measurement of gas/solid two-phase flows</b>	一种新型的用于气固两相流速度测量的静电传感器	<a href="http://dx.doi.org/10.1063/1.3694716">http://dx.doi.org/10.1063/1.3694716</a>

<b>Investigation on particle flow characteristics using electrostatic sensor array</b>	基于静电传感器阵列的颗粒流动特性研究	<a href="http://dx.doi.org/10.1063/1.3694717">http://dx.doi.org/10.1063/1.3694717</a>
<b>Evaluation of turbulence kinetic energy budget in turbulent flows by using a photobleaching molecular tagging velocimetry</b>	基于分子标记测速的湍流动能评测	<a href="http://dx.doi.org/10.1063/1.3694718">http://dx.doi.org/10.1063/1.3694718</a>
<b>Theoretical and experimental study on multi-parameter measurement by ultrasonic method in particle two-phase system</b>	超声法颗粒两相流多参数超声测量方法的理论和实验研究	<a href="http://dx.doi.org/10.1063/1.3694719">http://dx.doi.org/10.1063/1.3694719</a>
<b>Time-resolved flowmetering of gas-liquid two-phase pipe flow by ultrasound pulse Doppler method</b>	基于超声脉冲多普勒方法的气液管道流时分流量测量	<a href="http://dx.doi.org/10.1063/1.3694720">http://dx.doi.org/10.1063/1.3694720</a>
<b>Microwave Doppler system for multiphase flow measurement</b>	用于多相流测量的微波多普勒系统	<a href="http://dx.doi.org/10.1063/1.3694721">http://dx.doi.org/10.1063/1.3694721</a>
<b>Wire-mesh sensor, ultrasound and high-speed videometry applied for the characterization of horizontal gas-liquid slug flow</b>	基于网格传感器、超声法以及高速视频法的水平气水弹状流特性研究	<a href="http://dx.doi.org/10.1063/1.3694722">http://dx.doi.org/10.1063/1.3694722</a>
<b>Influence of electrostatics on instrumentation in fluidized bed measurements</b>	静电对流化床测量装置的影响	<a href="http://dx.doi.org/10.1063/1.3694723">http://dx.doi.org/10.1063/1.3694723</a>
<b>Investigation on pressure-tapping methods of long waist cone flow meter using CFD simulation</b>	基于 CFD 的长腰椎传感器取压方式仿真研究	<a href="http://dx.doi.org/10.1063/1.3694724">http://dx.doi.org/10.1063/1.3694724</a>
<b>Flow regime identification of gas liquid two phase flow in vertical tube with small diameter</b>	小管径垂直气液流流型识别研究	<a href="http://dx.doi.org/10.1063/1.3694725">http://dx.doi.org/10.1063/1.3694725</a>
<b>Fuzzy clustering based fusion for ERT tomography image</b>	基于电阻层析成像的模糊聚类融合	<a href="http://dx.doi.org/10.1063/1.3694726">http://dx.doi.org/10.1063/1.3694726</a>
<b>Study on flow-pattern identification method using pressure drop characteristics of gas-liquid flow in narrow channel</b>	窄管气液两相流压降特性的流型识别方法研究	<a href="http://dx.doi.org/10.1063/1.3694727">http://dx.doi.org/10.1063/1.3694727</a>
<b>Pattern recognition techniques for horizontal and vertically upward multiphase flow measurement</b>	水平和垂直多相流测量的流型识别技术	<a href="http://dx.doi.org/10.1063/1.3694728">http://dx.doi.org/10.1063/1.3694728</a>

<b>Numerical study for oil-gas-water three-phase flow pattern identification in gathering transportation pipeline</b>	集输管路油气水三相流流型识别的数值仿真研究	<a href="http://dx.doi.org/10.1063/1.3694729">http://dx.doi.org/10.1063/1.3694729</a>
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