Accepted Manuscript

A new measuring concept to determine the lift force for distorted bubbles in low Morton number system: Results for air/water

T. Ziegenhein, A. Tomiyama, D. Lucas

 PII:
 S0301-9322(17)30636-5

 DOI:
 10.1016/j.ijmultiphaseflow.2018.06.012

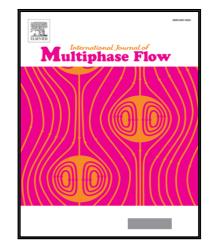
 Reference:
 IJMF 2840

To appear in: International Journal of Multiphase Flow

Received date:25 August 2017Revised date:18 April 2018Accepted date:18 June 2018

Please cite this article as: T. Ziegenhein, A. Tomiyama, D. Lucas, A new measuring concept to determine the lift force for distorted bubbles in low Morton number system: Results for air/water, *International Journal of Multiphase Flow* (2018), doi: 10.1016/j.ijmultiphaseflow.2018.06.012

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Measuring the lift coefficient in systems with low Morton numbers
- New measuring concept without moving parts and small fluid volumes
- Quantification of the lift coefficient with a method based on averaged values
- Applicable to turbulent conditions and wobbling bubbles

Download English Version:

https://daneshyari.com/en/article/10152026

Download Persian Version:

https://daneshyari.com/article/10152026

Daneshyari.com