

## Accepted Manuscript

Effects of Surfactant on Lift Coefficients of Bubbles in Linear Shear Flows

Kosuke Hayashi , Akio Tomiyama

PII: S0301-9322(17)30492-5  
DOI: [10.1016/j.ijmultiphaseflow.2017.10.003](https://doi.org/10.1016/j.ijmultiphaseflow.2017.10.003)  
Reference: IJMF 2657



To appear in: *International Journal of Multiphase Flow*

Received date: 13 July 2017  
Revised date: 25 September 2017  
Accepted date: 2 October 2017

Please cite this article as: Kosuke Hayashi , Akio Tomiyama , Effects of Surfactant on Lift Coefficients of Bubbles in Linear Shear Flows, *International Journal of Multiphase Flow* (2017), doi: [10.1016/j.ijmultiphaseflow.2017.10.003](https://doi.org/10.1016/j.ijmultiphaseflow.2017.10.003)

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**

- Effects of surfactant on lift coefficient are investigated.
- Lift coefficient can be correlated by accounting for reduction in surface tension.
- Validation for clean bubbles is conducted using experimental data.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7060177>

Download Persian Version:

<https://daneshyari.com/article/7060177>

[Daneshyari.com](https://daneshyari.com)