

Accepted Manuscript

Investigation of Local Gas Holdup and Bubble Dynamics using
Four-Point Optical Probe Technique in a Split-Cylinder Airlift Reactor

Aastha Ojha

PII: S0301-9322(17)30038-1
DOI: [10.1016/j.ijmultiphaseflow.2017.12.001](https://doi.org/10.1016/j.ijmultiphaseflow.2017.12.001)
Reference: IJMF 2691



To appear in: *International Journal of Multiphase Flow*

Received date: 16 January 2017
Revised date: 3 December 2017
Accepted date: 4 December 2017

Please cite this article as: Aastha Ojha , Investigation of Local Gas Holdup and Bubble Dynamics using Four-Point Optical Probe Technique in a Split-Cylinder Airlift Reactor , *International Journal of Multiphase Flow* (2017), doi: [10.1016/j.ijmultiphaseflow.2017.12.001](https://doi.org/10.1016/j.ijmultiphaseflow.2017.12.001)

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

- Local gas holdup and bubble dynamics were studied in a split airlift reactor
- No axial variation of gas holdup or interfacial area was observed in the riser
- The gas holdup and interfacial area decreased axially in the downcomer

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7060126>

Download Persian Version:

<https://daneshyari.com/article/7060126>

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