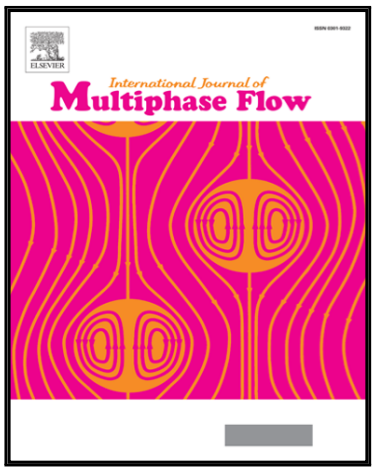

Void fraction measurements of bubbly flow in a horizontal 90 degree bend using wire mesh sensors

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PII: S0301-9322(17)30235-5
DOI: 10.1016/j.ijmultiphaseflow.2017.09.009
Reference: IJMF 2650

To appear in: *International Journal of Multiphase Flow*

Received date: 5 April 2017
Revised date: 20 September 2017
Accepted date: 21 September 2017

Please cite this article as: Robert C. Bowden , Étienne Lessard , Sun-Kyu Yang , Void fraction measurements of bubbly flow in a horizontal 90 degree bend using wire mesh sensors, *International Journal of Multiphase Flow* (2017), doi: 10.1016/j.ijmultiphaseflow.2017.09.009

Highlights

- New local void fraction data pertaining to horizontal air-water bubbly flows including near slug flow regime transition using Wire Mesh Sensors
- Results demonstrating the effects of 90 degree horizontal bends, superficial gas and liquid velocities on void fraction distribution
- Application of statistical techniques to discretize transitional bubbly-slug flow pattern into constituent small bubble and large bubble flow patterns.