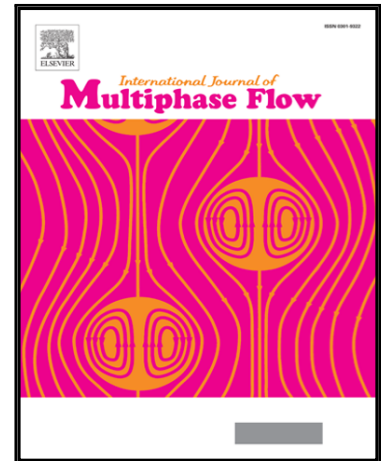


Accepted Manuscript

Controlled formation of bubbles in a planar co-flow configuration

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PII: S0301-9322(16)30401-3
DOI: [10.1016/j.ijmultiphaseflow.2016.10.008](https://doi.org/10.1016/j.ijmultiphaseflow.2016.10.008)
Reference: IJMF 2487



To appear in: *International Journal of Multiphase Flow*

Received date: 11 July 2016
Revised date: 4 October 2016
Accepted date: 22 October 2016

Please cite this article as: J. Ruiz-Rus, R. Bolaños-Jiménez, C. Gutiérrez-Montes, A. Sevilla, C. Martínez-Bazán, Controlled formation of bubbles in a planar co-flow configuration, *International Journal of Multiphase Flow* (2016), doi: [10.1016/j.ijmultiphaseflow.2016.10.008](https://doi.org/10.1016/j.ijmultiphaseflow.2016.10.008)

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Highlights

- A novel technique to force the bubble pinch-off in a water-air-water planar co-flow configuration is presented
- The forcing process consists of a perturbation of the water velocity
- Smaller bubbles at higher frequencies than in the natural process are produced
- The forcing method is characterized experimentally
- A one-dimensional model that describes the experimental and numerical air-water interface is proposed

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