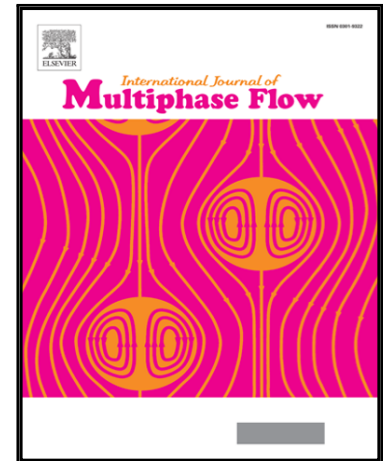


Ballistic deflection of fibres in decelerating flow

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PII: S0301-9322(15)30114-2
DOI: [10.1016/j.ijmultiphaseflow.2016.05.014](https://doi.org/10.1016/j.ijmultiphaseflow.2016.05.014)
Reference: IJMF 2404



To appear in: *International Journal of Multiphase Flow*

Received date: 22 October 2015
Revised date: 23 May 2016
Accepted date: 29 May 2016

Please cite this article as: J. Andrić, S.B. Lindström, S. Sasic, H. Nilsson, Ballistic deflection of fibres in decelerating flow, *International Journal of Multiphase Flow* (2016), doi: [10.1016/j.ijmultiphaseflow.2016.05.014](https://doi.org/10.1016/j.ijmultiphaseflow.2016.05.014)

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Highlights

- Identification of the phenomenon of ballistic deflection where a fibre trajectory deviates from streamlines of the carrying flow.
- Longitudinal and transversal ballistic numbers identified as two dimensionless parameters that govern the fibre dynamics.
- Ballistic deflection is argued to increase the rate of collisions of the suspended fibres, affecting the rate of fibre aggregation.

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