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Study of the impacts of droplets deposited from the gas core onto a gas-sheared liquid film

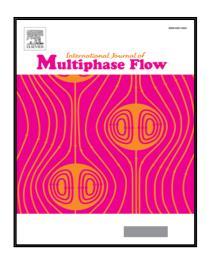
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PII: S0301-9322(16)30057-X

DOI: 10.1016/j.ijmultiphaseflow.2016.09.015

Reference: IJMF 2473

To appear in: International Journal of Multiphase Flow



Please cite this article as: Andrey V. Cherdantsev, David B. Hann, Buddhika N. Hewakandamby, Barry J. Azzopardi, Study of the impacts of droplets deposited from the gas core onto a gas-sheared liquid film, *International Journal of Multiphase Flow* (2016), doi: 10.1016/j.ijmultiphaseflow.2016.09.015

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Highlights

- Impacts of droplets, depositing from gas core, are studied experimentally;
- Two types of film perturbation due to impacts craters and furrows are observed;
- Furrows mostly occur on the base film, craters occur on disturbance waves.
- Crater impacts create secondary droplets, furrows create bubbles in liquid film;
- A droplet may survive the impact, being partially broken into smaller droplets.



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