

Abstract Submitted  
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**Numerical simulation of droplet impact on interfaces**<sup>1</sup> LYES KA-HOUADJI, ZHIZHAO CHE, OMAR MATAR, Imperial College London, SEUNG-WON SHIN, Hongik University, Republic of Korea, JALEL CHERGUI, DAMIR JURIC, LIMSI-CNRS — Simulations of three-dimensional droplet impact on interfaces are carried out using BLUE, a massively-parallel code based on a hybrid Front-Tracking/Level-Set algorithm for Lagrangian tracking of arbitrarily deformable phase interfaces. High resolution numerical results show fine details and features of droplet ejection, crown formation and rim instability observed under similar experimental conditions.

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