

Abstract Submitted
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Numerical studies of droplet impacts on homogeneous and heterogeneous substrates KENSUKE YOKOI, DAMIEN VADILLO, JOHN HINCH, University of Cambridge — We present numerical results of droplet impacts on heterogeneous substrate as well as homogeneous substrates. The numerical method is based on the level set method, the THINC/WLIC method (a VOF type method), the CIP-CSL method and the CSF model. We compare the numerical results with experiments. The numerical results show good agreements with the experimental data. We compare numerical results obtained by several kinds of contact angle models.

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