

Movie captions for: Drop impact on viscous liquid films

Movie1: Comparison of the experimental and DNS snapshots of the impact process on films with $h_f = 0.01$ mm. In the experiment, $R = 1$ mm, $V = 0.3$ m/s, $\eta_d = 4.6$ mPa.s and $\eta_f = 96$ mPa.s, giving $(We, Oh_d, Oh_f) = (4, 0.034, 0.67)$.

Movie2: Comparison of the experimental and DNS snapshots of the impact process on films with $h_f = 0.35$ mm. In the experiment, $R = 1$ mm, $V = 0.3$ m/s, $\eta_d = 4.6$ mPa.s and $\eta_f = 96$ mPa.s, giving $(We, Oh_d, Oh_f) = (4, 0.034, 0.67)$.

Movie3: Comparison of the experimental and DNS snapshots of the impact process on films with $h_f = 0.85$ mm. In the experiment, $R = 1$ mm, $V = 0.3$ m/s, $\eta_d = 4.6$ mPa.s and $\eta_f = 96$ mPa.s, giving $(We, Oh_d, Oh_f) = (4, 0.034, 0.67)$.