

# Supplementary Material to: Inclined impact of drops

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Here we include the features of the four experimental videos attached as supplementary material which we have used to illustrate the comparisons between the observed shapes of drops after impact and our model. Specifically, these videos correspond to the images presented in figure 4 in the main text. The glass slide has a different inclination angle in each experiment:  $\chi = 15^\circ$  (video 1),  $\chi = 30^\circ$  (video 2),  $\chi = 45^\circ$  (video 3), and  $\chi = 60^\circ$  (video 4).

The details of the recording -frame rate and spatial resolution- and the falling drop properties for each case are gathered in table 1. Note that, taking into account the frame rate, the characteristic value of time used to make times dimensionless,  $R/(V \cos \chi)$ , and that  $t = 0$  is set at the instant when the drop touches the solid, all recordings finish at  $t = 6$ .

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$\chi(^{\circ})$	frame rate (f.p.s.)	spatial resolution ( $\mu\text{m}/\text{pix}$ )	$V$ (m/s)	$R$ (mm)	$We$	$Re$	$Oh \times 10^3$
15	33009	47	1.91	1.47	69	2679	3.1
30	33009	45	1.99	1.48	61	2530	3.1
45	33009	48	2.44	1.49	61	2550	3.1
60	13029	50	3.41	1.48	60	2527	3.1

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TABLE 1. Recording details and drop properties.

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