**Movie 1** Movie of an air bubble collapsing onto a wall showing numerical schlieren (left) and log-scale pressure field (right). Gas volume fraction $\alpha_g$ is shown as a shaded area of decreasing opacity with decreasing $\alpha_g$ (left), while the $\alpha_g = 0.5$ isoline is shown as a solid curve (right) representing a pseudo-phase-interface. Time and pressure correspond to a bubble with $R_0 = 400\mu m$ exposed to a driving pressure of $p_\infty = 10^7$ Pa. Note that the frame rate is ten times higher at the beginning of the movie. Movie 1 shows the configuration with a smooth wall (no crevice, $R_C = 0$) and an attached bubble with the stand-off distance $S/R_0 = 0.1$.

**Movie 2** Smooth wall (no crevice, $R_C = 0$), attached bubble $S/R_0 = 0.35$. See caption Movie 1.

**Movie 3** Smooth wall (no crevice, $R_C = 0$), attached bubble $S/R_0 = 0.6$. See caption Movie 1.

**Movie 4** Smooth wall (no crevice, $R_C = 0$), detached bubble $S/R_0 = 1.1$. See caption Movie 1.

**Movie 5** Small crevice ($R_C/R_0 = 0.15$), attached bubble $S/R_0 = 0.1$. See caption Movie 1.

**Movie 6** Small crevice ($R_C/R_0 = 0.15$), attached bubble $S/R_0 = 0.35$. See caption Movie 1.

**Movie 7** Small crevice ($R_C/R_0 = 0.15$), attached bubble $S/R_0 = 0.6$. See caption Movie 1.

**Movie 8** Small crevice ($R_C/R_0 = 0.15$), detached bubble $S/R_0 = 1.1$. See caption Movie 1.

**Movie 9** Large crevice ($R_C/R_0 = 0.75$), attached bubble $S/R_0 = 0.1$. See caption Movie 1.

**Movie 10** Large crevice ($R_C/R_0 = 0.75$), attached bubble $S/R_0 = 0.35$. See caption Movie 1.

**Movie 11** Large crevice ($R_C/R_0 = 0.75$), attached bubble $S/R_0 = 0.6$. See caption Movie 1.

**Movie 12** Large crevice ($R_C/R_0 = 0.75$), detached bubble $S/R_0 = 1.1$. See caption Movie 1.