Caption list

Movie 1: A rendered movie of an axisymmetric simulation depicting an oscillating bubble close to a free surface, and the subsequent induced jetting. For this simulation, $Re \to \infty$, $We = 4000$, $Ma = 0.05$, $PR = 20$, and $\chi = 2$.

Movie 2: A movie of the simulation depicting the pressure field in the relevant part of the numerical domain. For this simulation, $Re = 2000$, $We = 1000$, $Ma = 0.05$, $PR = 20$, and $\chi = 2$.

Movie 3: A movie of the simulation depicting the liquid's velocity field, in the part of the numerical domain that is of interest. In cylindrical coordinates, the left panel shows the magnitude of the axial velocity whereas the right panel shows the magnitude of its radial counterpart. The colour code is centred at zero velocities. For this simulation, $Re = 2000$, $We = 1000$, $Ma = 0.05$, $PR = 20$, and $\chi = 2$.

Movie 4: A movie of the simulation where a "secondary crown" is observed. Here, $Re \to \infty$, $We = 4000$, $Ma = 0.05$, $PR = 10$, and $\chi = 2$.