I. Movies of the cascade partial coalescence for toluene and n-heptane droplets in neutral pH water (toluene_in_water.mp4 and heptane_in_water.mp4) and in 1M salt solutions (toluene_in_1MKCl.mp4 and heptane_in_1MKCl.mp4). The corresponding length scales are given by the diameter $d$ of the rising drop: 304 $\mu$m, 316 $\mu$m, 346 $\mu$m, and 278 $\mu$m, respectively. The movie-time corresponds to a slowing down of the real-time by a factor of 33.

II. Pictures of the sequence of drops undergoing partial-coalescence events, up to the final stable drop, at various heptol - water (Fig. 1), toluene - salt solution (Fig. 2), and n-heptane - salt solution (Fig. 3) interfaces, respectively. $d$ denotes the diameter of the corresponding droplet.
FIG. 1: The sequence of drops undergoing partial-coalescence events, up to the final stable drop, at various heptol - water interfaces.
FIG. 2: The sequence of drops undergoing partial-coalescence events, up to the final stable drop, at various toluene - salt solution interfaces.
FIG. 3: The sequence of drops undergoing partial-coalescence events, up to the final stable drop, at various n-heptane - salt solution interfaces.