

Electronic Supplementary Information

Comparison between simulations performed without initial gap and
with a 2 radii gap.

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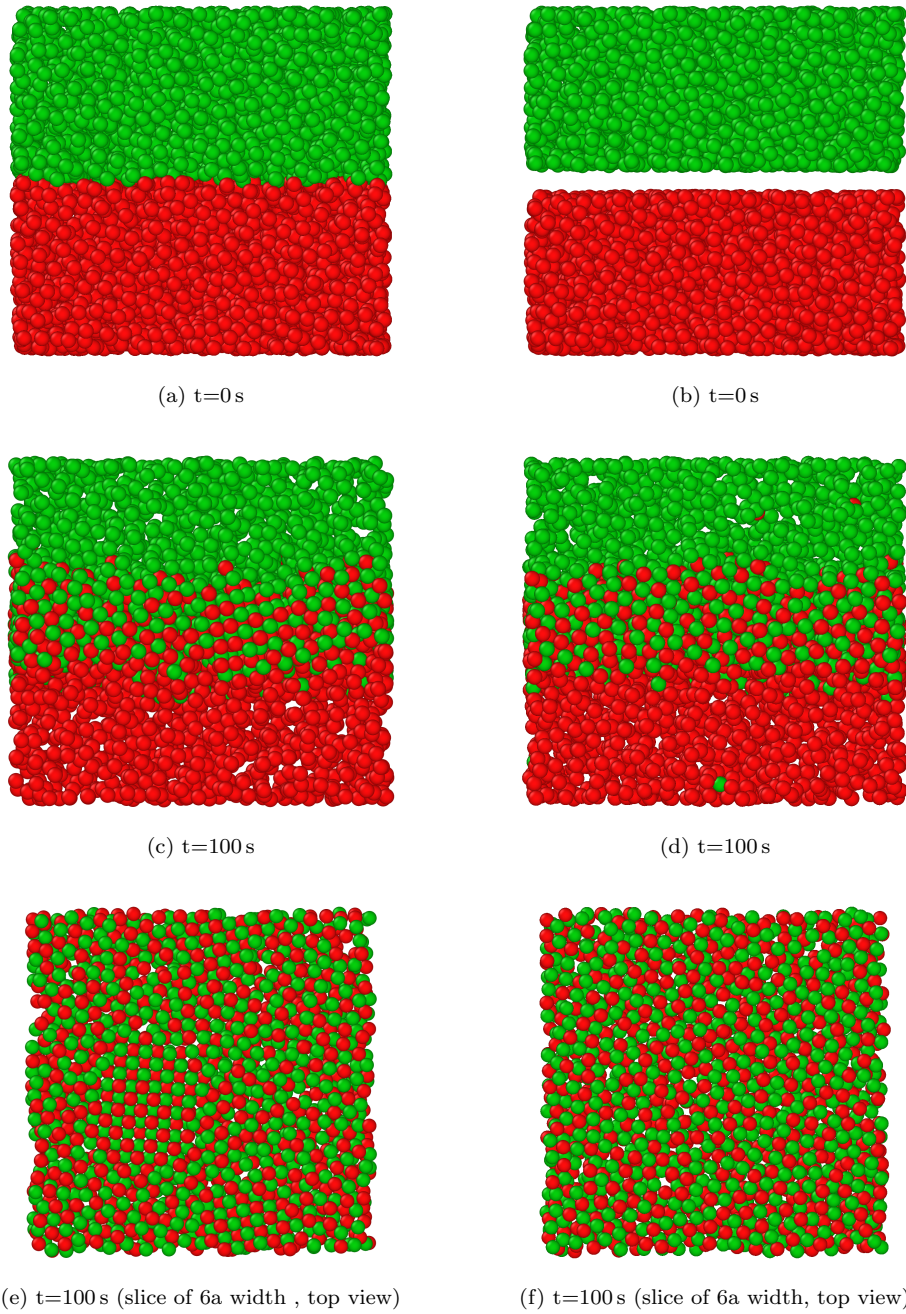


Figure 1: Snapshots of simulations at $t = 0$ s and $t = 100$ s performed with $\phi = 0.2$, $\kappa a = 5$ and $U^* = 9$: on the left without initial gap (a,c,e) and on the right with a $2a$ initial gap (b,d,f).

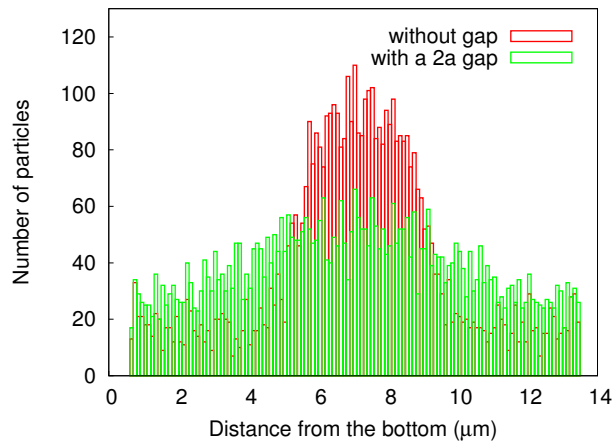


Figure 2: Number of particles as a function of the distance from the bottom of the box for simulations performed with $\phi = 0.2$, $\kappa a = 10$ and $U^* = 9$ at $t = 100$ s.