



Figure 8: Snapshots of hydrophobic gel with $\text{pH} - \text{p}K = 1, \varepsilon = 0.7$ correspond to the systems from at densities marked by vertical lines. Each row corresponds to a certain salt concentration c_s and each column – gel density. Approximate values of the gel density φ corresponded to the region of the phase transition are calculated after the Maxwell construction (see Fig. 2): [0.07–23.26] at $c_s = 0.002$, [0.09–23.26] at $c_s = 0.003$, [0.14–22.73] at $c_s = 0.006$, [1.25–22.22] at $c_s = 0.01$, [3.85–14.71] at $c_s = 0.015$.