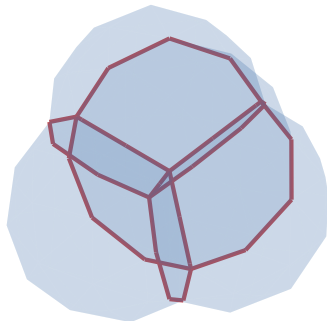
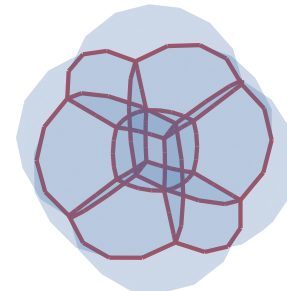
Free cluster geometry — actual native meshes

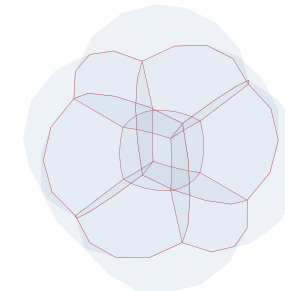
Four bubbles · 10 borders

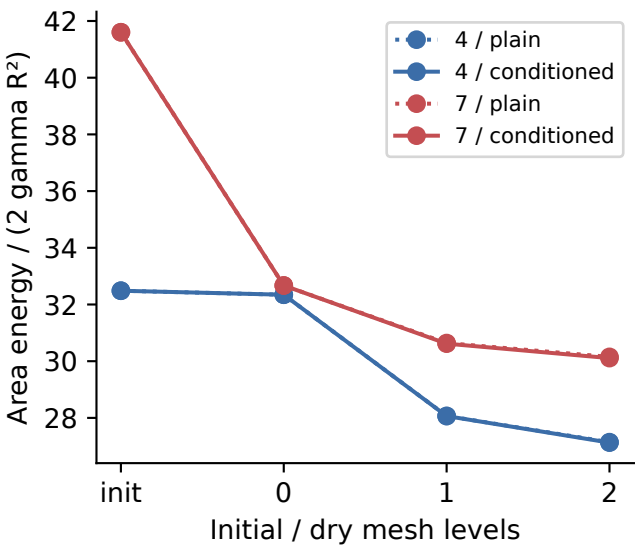


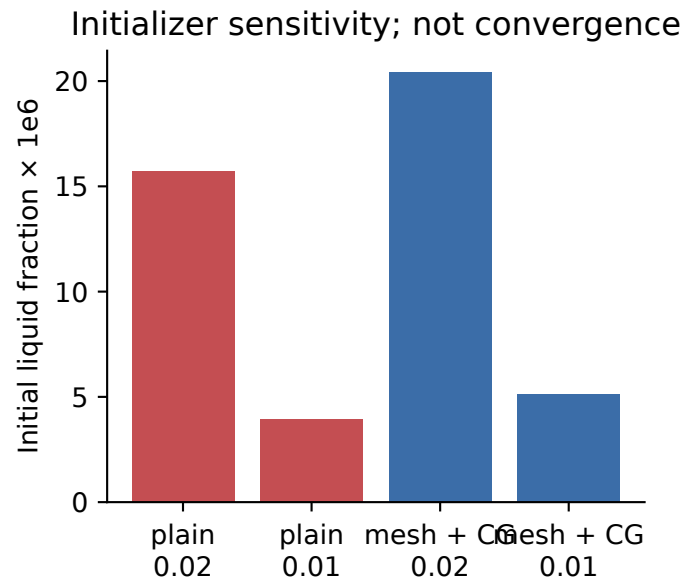
Seven bubbles · 32 borders



Seven bubbles · liquid surface







Native warning gates

Plain: 1/6 pass

Conditioned: 4/6 pass

Dry force residual: 35.4% / 26.5%
Not equilibrated; no drainage dynamics.

Wet 4: projection warning retained.
Wet 7: two initializers pass.

R = 10 mm; gamma = 0.03 N/m (diagnostic). Descent iterations are not physical time. White, equal-axis geometry.