

Abstract Submitted
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Jamming of Foams GIJS KATGERT, MARTIN VAN HECKE, Kamerlingh Onnes Laboratorium, Universiteit Leiden — We experimentally investigate jamming of soft frictionless spheres at zero stress and zero temperature, using static two-dimensional packings of foam bubbles. As a function of the distance to the jamming point, we obtain the distribution of interparticle forces, the scaling of the contact number and the distribution of free Voronoi area per bubble. Our results compare favorably to earlier predictions for soft discs and grains from theory and numerics.

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