

Abstract Submitted
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Jamming of frictional tetrahedra MAX NEUDECKER, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073 Göttingen, STEPHAN ULRICH, University Göttingen, Institute of theoretical physics, Friedrich-Hund-Platz 1, 37077 Göttingen, STEPHAN HERMINGHAUS, MATTHIAS SCHRÖTER, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073 Göttingen — We present experimental results on the packing of polypropylene tetrahedra with 7mm side length. Analysis via X-ray-tomography allows for a detailed analysis of the radial distribution function and the number and type of geometrical contacts. We focus particularly on the dependence of these packing properties on the bulk packing fraction.

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