Abstract Submitted
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3D Buckligami: Digital Matter MARTIN VAN HECKE, KOEN DE REUS, BASTIAAN FLORIJN, CORENTIN COULAIS, Leiden University — We present a class of elastic structures which exhibit collective buckling in 3D, and create these by a 3D printing/moulding technique. Our structures consist of cubic lattice of anisotropic unit cells, and we show that their mechanical properties are programmable via the orientation of these unit cells.

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