

Abstract Submitted
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Snapping to reshape origami sheets ANNE S. MEEUSSEN, MARTIN VAN HECKE, AMOLF Amsterdam / Leiden University — The hunt for pluripotent materials is on. We identify origami-like sheets, shapeable via stretching or bending, as promising game. Local, explosive yet elastic snap-through events let these sheets switch between multiple stable shapes. We study the mechanics of such snapping sheets, focusing on the interplay between macrogeometry, energy and curvature.

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