

Abstract Submitted
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The role of geometry in 4-vertex origami mechanics SCOTT
WAITUKAITIS, PETER DIELEMAN, MARTIN VAN HECKE, Leiden University,
AMOLF — Origami offers an interesting design platform metamaterials because it
strongly couples mechanics with geometry. Even so, most research carried out so far
has been limited to one or two particular patterns. I will discuss the full geometrical
space of the most common origami building block, the 4-vertex, and show how exotic
geometries can have dramatic effects on the mechanics.

Scott Waitukaitis
Leiden University

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