

Mirror Symmetry Collages in Folded Paper

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Abstract

The paper will explain a folding technique using 2-, 4- and 8-fold mirror symmetry, not using one sheet, but using multiple sheets of folded paper, arranged as a collage. It will show how this manifestation of mirror symmetry can be used to create the illusion of squares or rectangles that appear to overlap and dissolve, often in visually pleasing and complex ways. The results are atypical of geometric origami, creating a visual language that is perhaps closer to fine art than to the decorative arts, with which origami tessellations and corrugations are often associated. (The full paper appears in the Bridges 2020 Proceedings, as the talk was originally scheduled for then.)

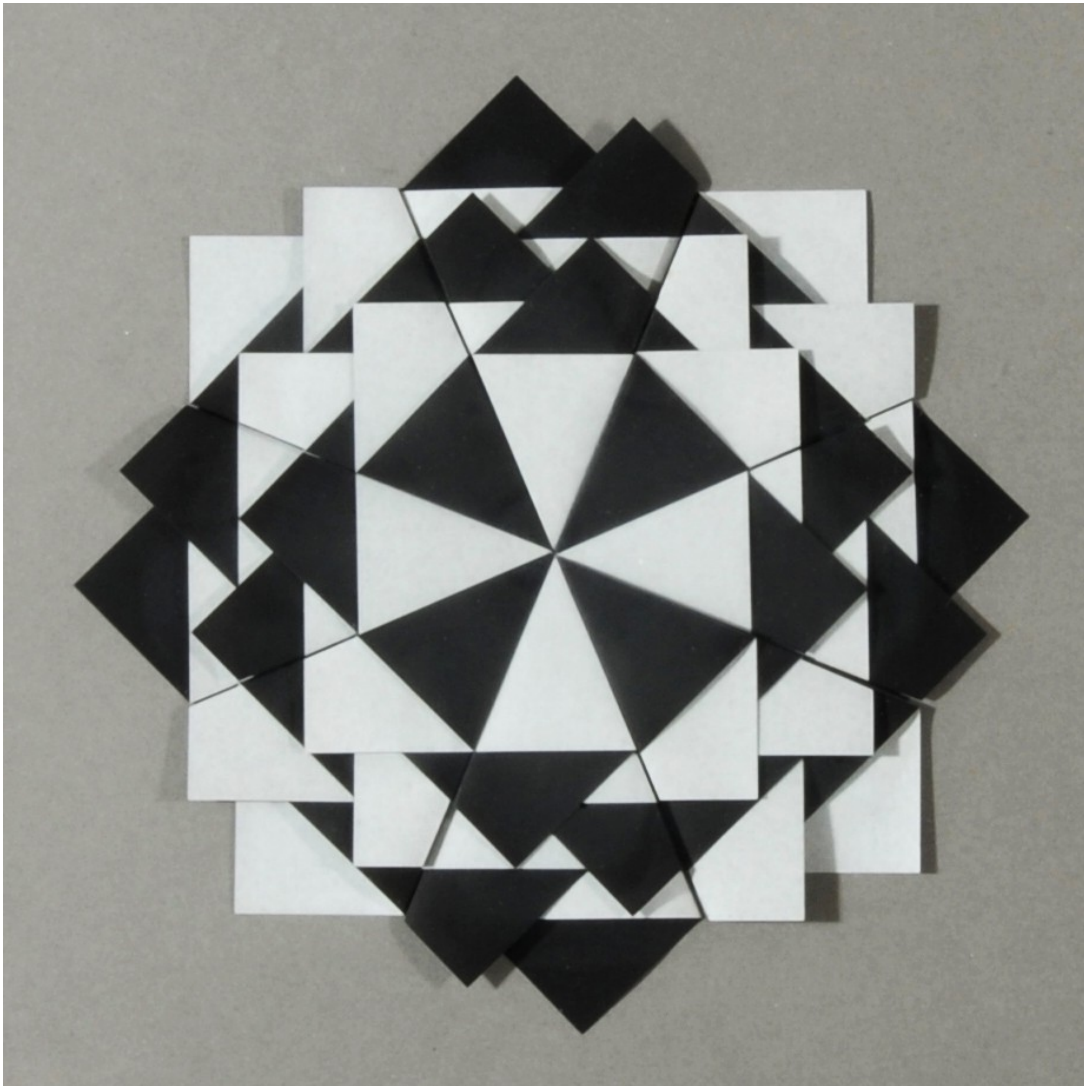


Figure 1: *Origami paper (8-fold symmetry), 25×25 cm*