

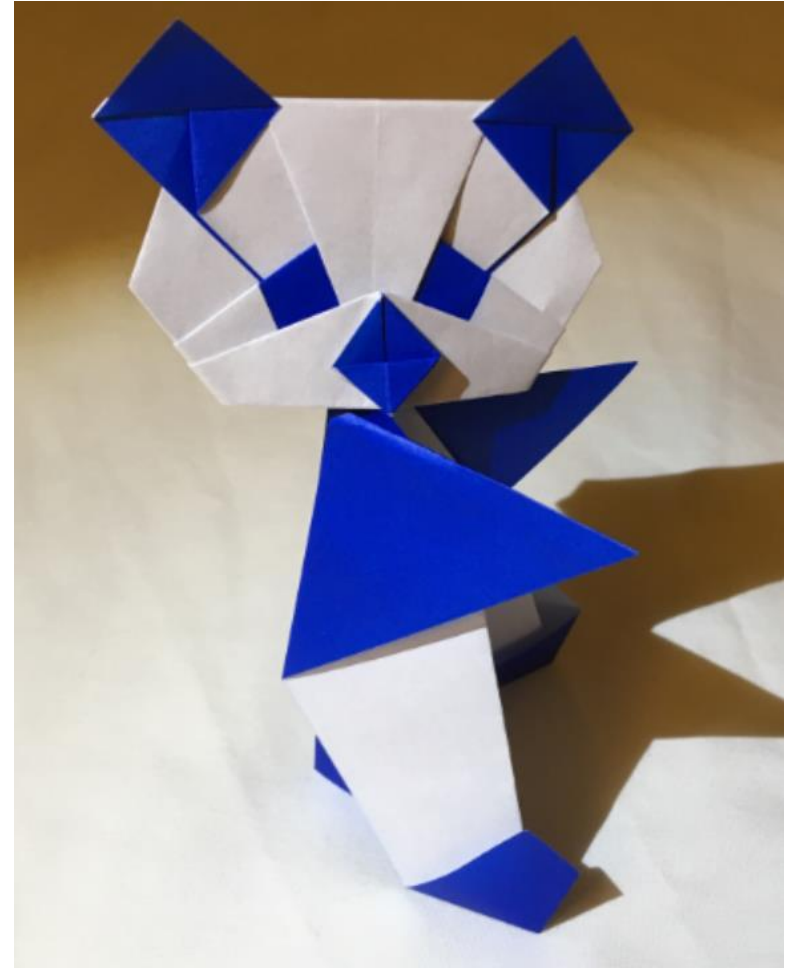
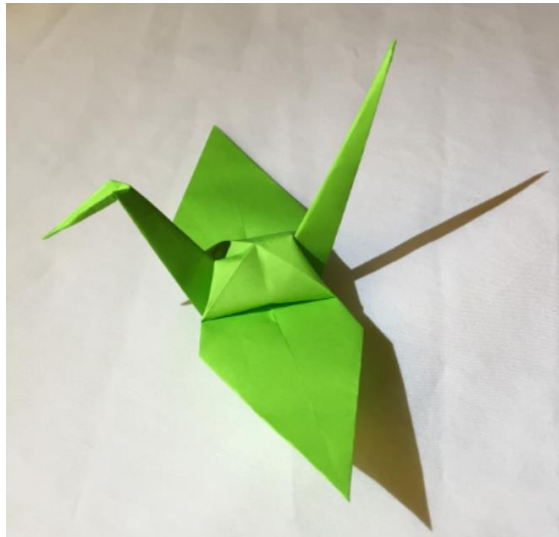
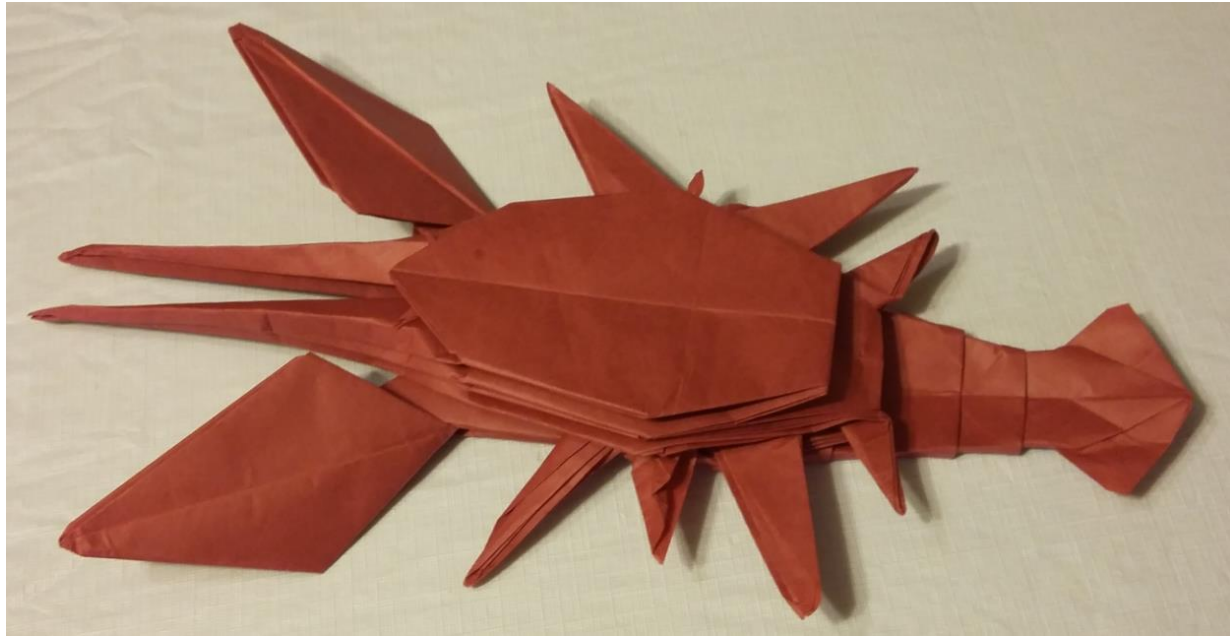
Engineering Applications of Origami

Keith Nabb
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Charlottesville, VA

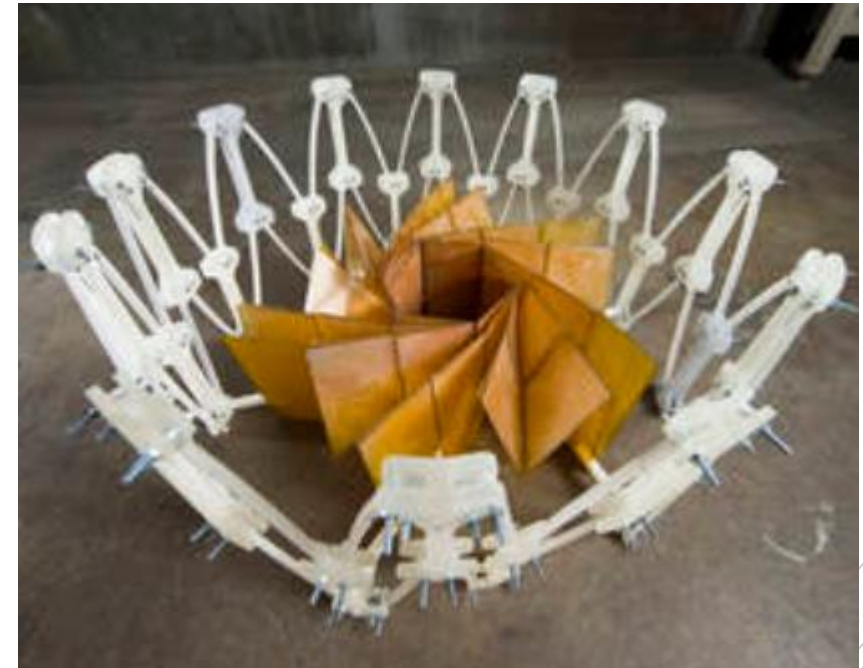
IMACC
Monticello, IL
April 5-6, 2024

The background features a series of concentric, overlapping circles in light gray, some solid and some dashed, creating a ripple effect. A large, solid red speech bubble is centered on the page, pointing downwards. The text "Origami as an Art" is written in white, bold, sans-serif font inside the speech bubble.

Origami as an Art



Functionality
Collapsibility



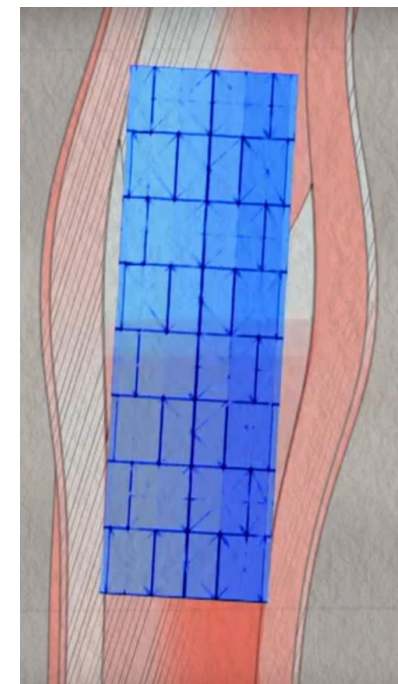
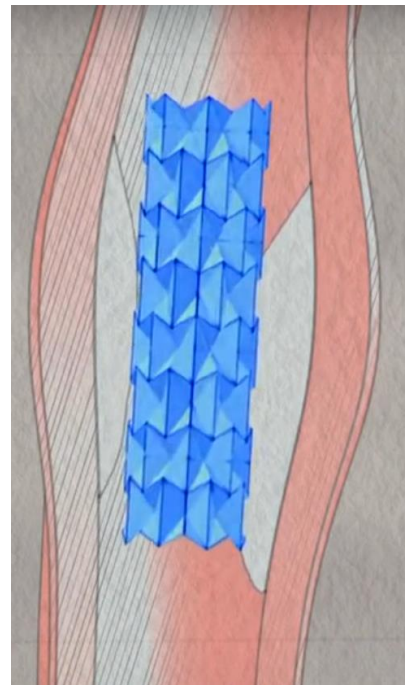
Source: nasa.gov; Brigham Young University

Functionality
Expandability
Strength



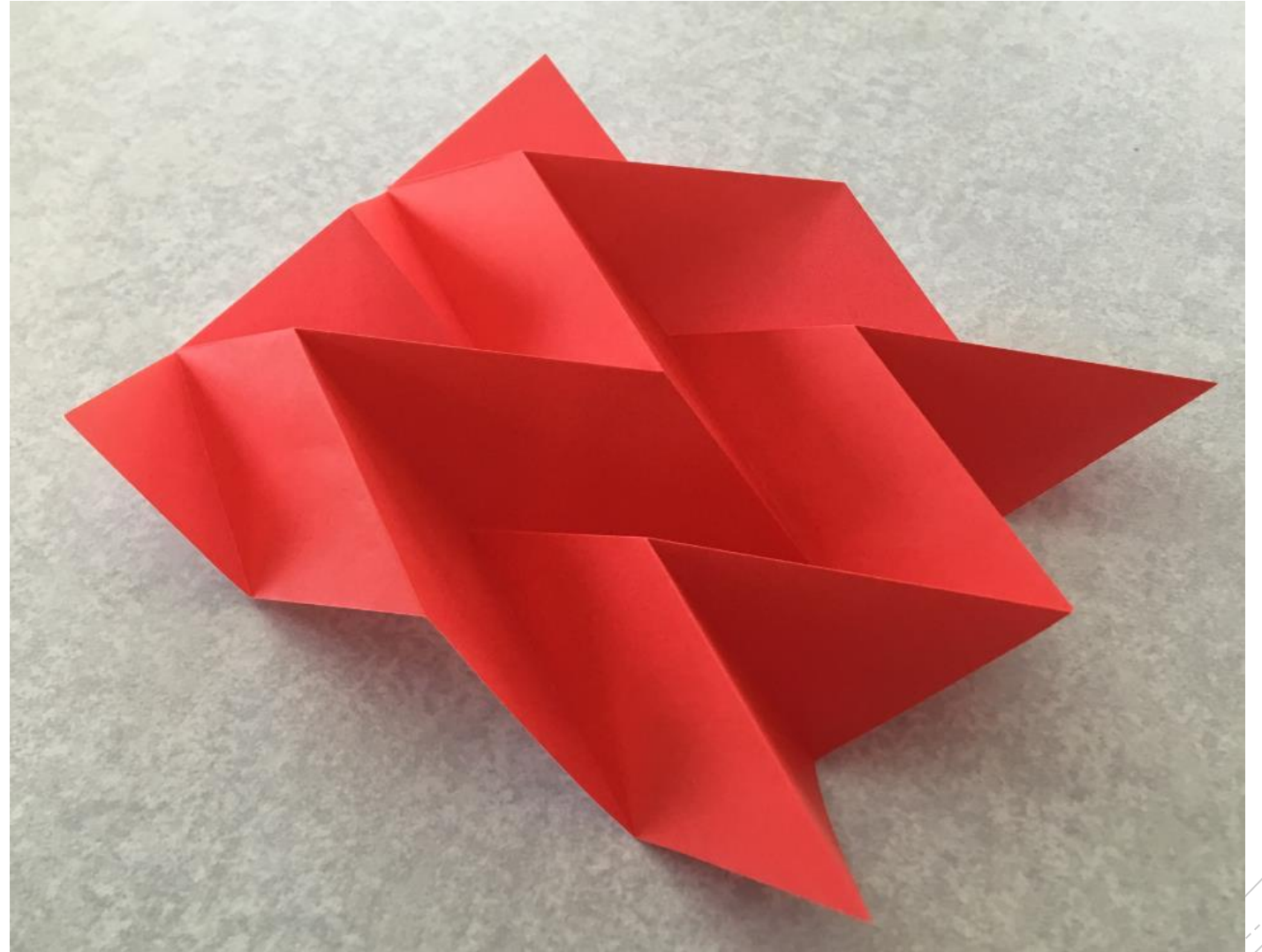
Source: Brigham Young University

Functionality Expandability

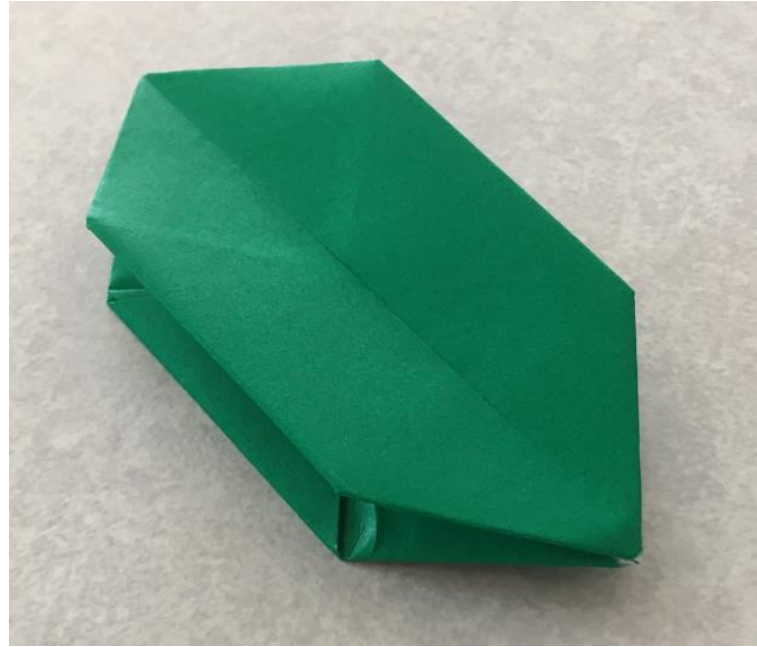


Source: "The Origami Revolution," *Nova* PBS,
Season 44, Episode 5, Aired February 15, 2017.

Miura Ori



Water Bomb



Origami in the News

Origami-inspired engineering unfolds new ideas, **University of Notre Dame College of Engineering** (2018)

Inspired by origami, scientists build artificial muscle that lifts 1,000 times its own weight, **LA Times** (11/27/17)

Origami: Mathematics in creasing, **The Conversation** (1/6/15)

How the Future of Origami Engineering is Unfolding, **Live Science** (12/13/14)

BYU engineers turn to origami to solve astronomical space problem, **Brigham Young University Mechanical Engineering** (11/26/13)

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