Michigan Math Club

Thursday at 4pm in EH1360
Pizza + pop outside afterwards!!

Fold & Cut

Jenny Wilson • 16 Mar 2023

Here is a challenge: take a piece of paper, draw a five-pointed star, and fold the paper flat so that you can cut out the entire star in as few straight-line cuts as possible. Can you fold it in such a way that you can cut out the star *with a single cut*?

Which straight-edged shapes can be obtained with a single cut of a flat folded piece of paper? We will play with paper and scissors, and investigate the mathematics behind the surprising Fold & Cut Theorem.