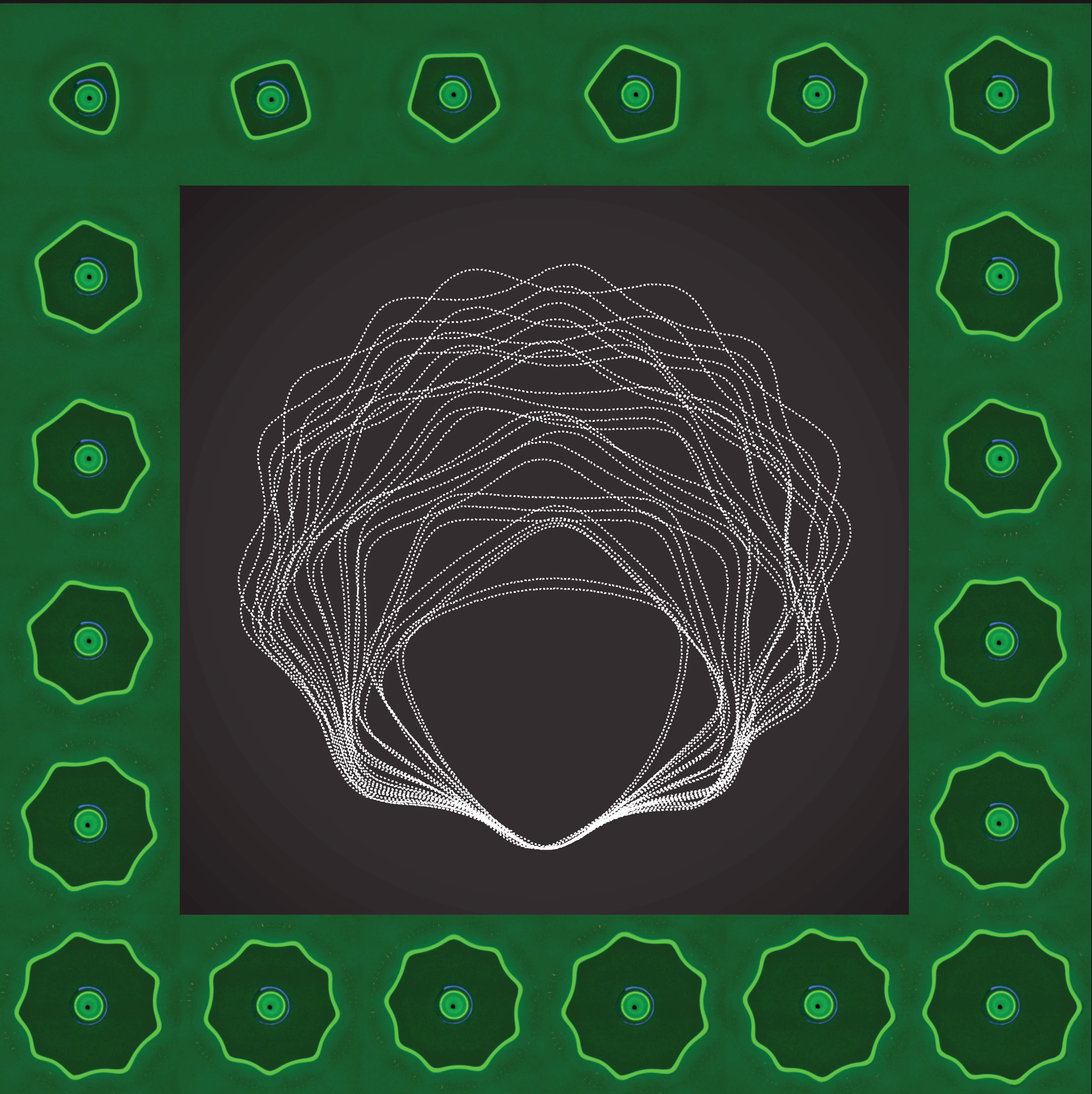


Corner Universality in Polygonal Hydraulic Jumps

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Liquid jet impact on a solid plate creates a hydraulic jump which takes on a stable polygonal shape with sharp corners. The corner shape exhibits a remarkable universality over a wide range of experimental conditions, irrespective of polygon. (center) 2-D outline of 30 polygonal jumps with 3-10 sides obtained by changing flow rate between 30-110 mL/s which reveals a nearly universal curvature at the corner.