

Origami 3D Typography Tessellation

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Art, Mathematics, Design

I started designing 3D letters and symbols out of a single sheet of paper. In the final model, the edges of the paper end on a rectangular shape, so it should be true that any model is tessellable.

The creation process is time consuming, so how can we design a different Typography more easily? To help answer that question, I wrote a computer program that allows me to design typography and modify some of the proportions of the letters. The GUI shows the CP and the controls (Figure 4), and the CP can be saved to a pdf file.



Figure 1: Letter N, September 2008



Figure 2: Letter N, March 2015



Figure 3: Number 7 Tessellation, September 2012

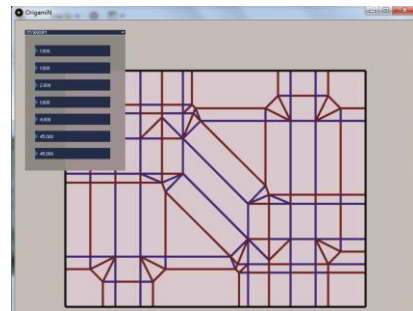


Figure 4: Computer generated CP, December 2017