

**CSC2521 - COMPUTATIONAL DESIGN AND
FABRICATION FALL 2017**

Assignment 2
Parametric Design

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Results:

Basic Functionality :

Originally I wanted to make a twisty menger sponge, but that turned out to be too much of a pain. So instead, it's just a twisted menger sponge of depth 1 that can be tiled. The main parameters are `twist_degrees`, the degrees that the box twists. `hole_scale`, the scale of the hole relative to the box. And `n_wide`, `n_long`, `n_tall` for the number of repetitions in each direction.

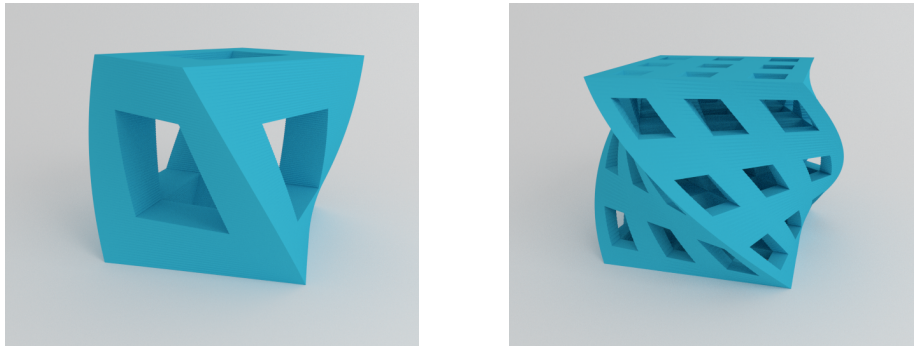


Figure 1: Left: `n_wide=n_long=n_tall=1`, `twist_degrees=45`, `hole_scale=0.5`
Right: `n_wide=n_long=n_tall=3`, `twist_degrees=30`, `hole_scale=0.5`