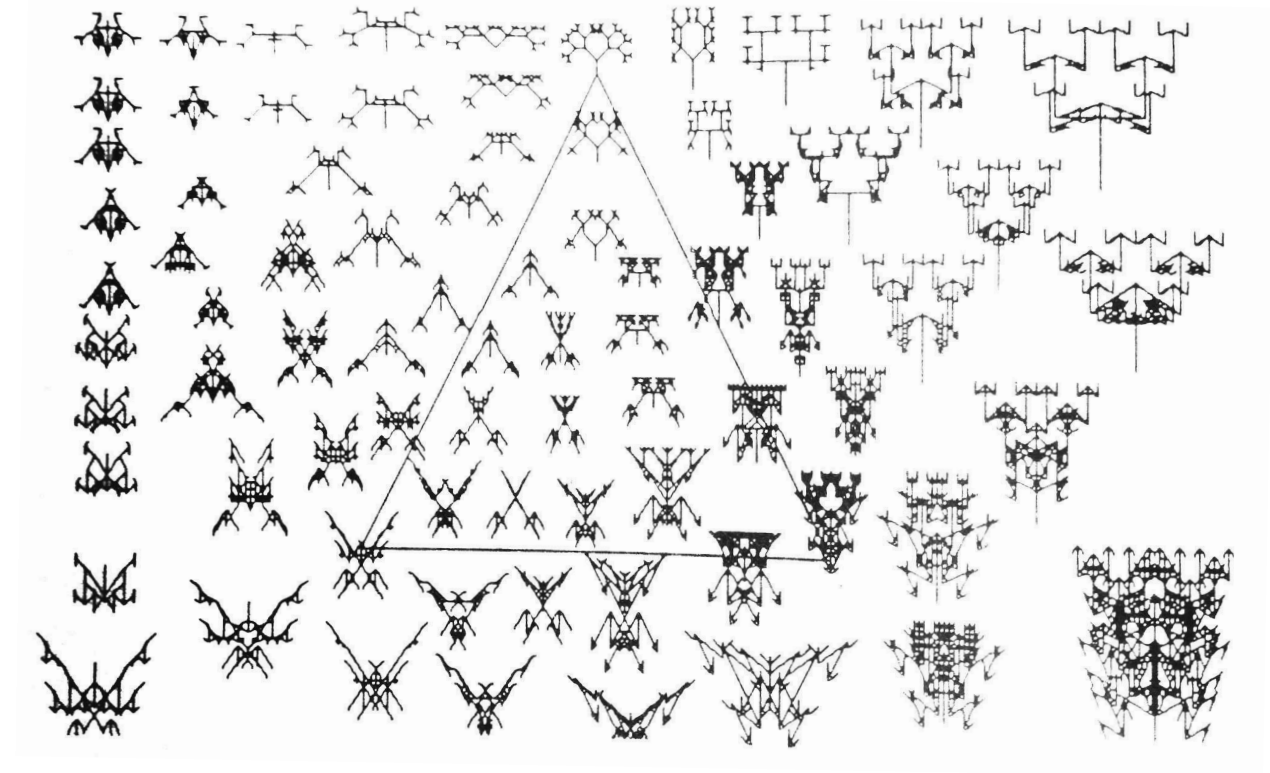


# Project 1: *Product Families*

Assignment Date: 9/25/2023

Due Date: 10/23/2023



**Design a family of [100 or more] products that share the same design space: a single Grasshopper definition.**

## **Product family categories:**

- Vessels - cups, bowls, platters, vases, decanters, etc.
- Light Diffusers - pendants, chandeliers, sconces, table lights, etc.
- Planters - different sized pots for different plants

The product family must share the same design space in grasshopper (all members must come from the same definition), and each individual in the family could either:

- A) serve the same function (100 cups that all inherit from some abstract vessel) or,
- B) serve different functions (a cup, bowl, platter, vase and decanter that all share the same design space);

The choice is up to the designer.

Members of the family must be printable by a 3d printer available to you locally at Pratt. This includes the 3D lab on the main campus, which has a number of printing technologies available - have a walk over there and learn about what's possible with each one after reading up here:

<https://www.pratt.edu/services/3d-printing-center/>

Final project deliverables include a comprehensive project blog post, a digital presentation including individual slides of all 100 images and a single slide containing all 100, and by the end of the semester: 5 physical family members printed on the printers at Pratt and portfolio quality photographs of each print.