

Design Communication II /// ARCH 222 /// CoD/// Spring 2020

Instructor: Philip Speranza, Associate Professor

Graduate Employees: Courtney Sigloh and Cary Chu

Project 3.3 Description /// Parametric Fabrication

The purpose of this exercise is to bridge digital drawing to digital fabrication, and consequently connecting digital media with human experience. As a 9-week course ARCH 222 includes three parts: diagramming, analog parametric design and digital parametric design. Lineweights!! This 1:1 mockup tests these methods for human experience.

****Final Event:** Groups of 4 students should design a bench together from the same curves. Each student then use one of the four Grasshopper scripts to build a scaled model of your bench to test the human experience of your project's design intent. You should review previous lectures. Consider a diagrammatic element to communicate an external force if there is one important to your design and consider a base (maximum size 12"x12") with potential conditions inside or immediately outside your bath house such as light, sound, smell and touch (recall Exercise 1.1) and other qualities.

Approach:

Fabrications will be done in groups of 4 students and presented Thursday, June 4th at **9am**, in Zoom. It's a celebration!

Learning Objectives

- To learn to relate digital parametrics to real scale fabrication and human experience.

Schedule:

Assigned: Tuesday, May 26th

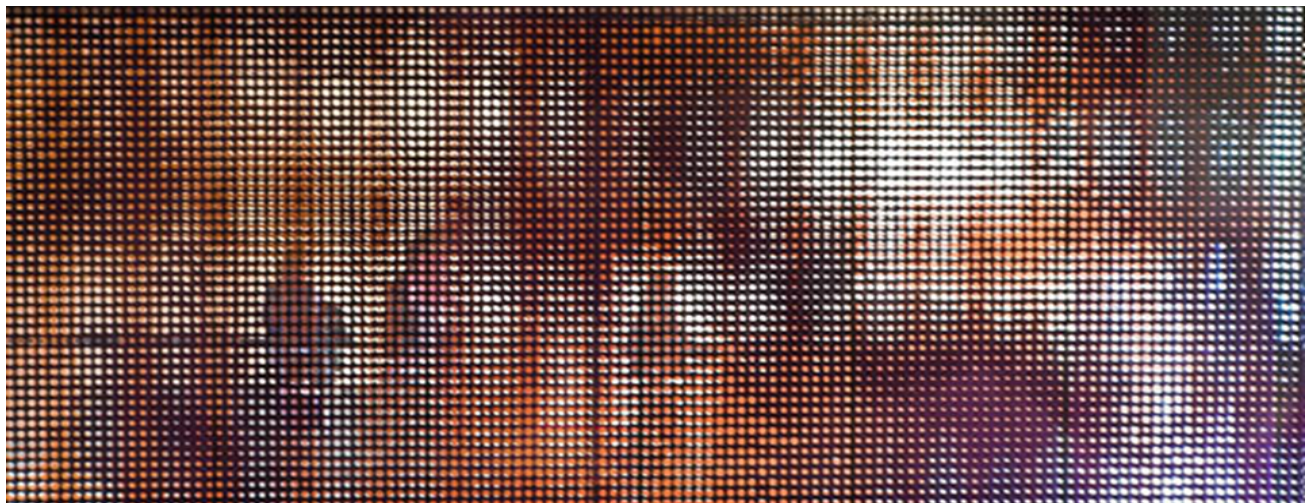
Due digital upload: Thursday, June 4th, 9am

Evaluation Criteria:

- Ability to conceptualize and experience a material affect using digital parametric design

Deliverables:

(1) 11 x 17 poster: line drawings (Make2D + highlight colors), collage + photographs of 3 conditions and 1 overall affect.



De Young Museum, San Francisco