



Parametric Places: Data Making + Public Space /// ARCH 4/523 /// AAA /// Winter 2015

Instructor: Philip Speranza, Assistant Professor

Case-Study Assignment /// Parametric Places: Technique + Urban Theory

Using the ideas demonstrated in the writing assignments and in class discussions, testing diagramming, analog parametric and digital parametric techniques, document your case-study analysis with the primary objective to share this step-by-step understanding with your colleagues. The work will build a library of operations and help us evaluate how each of these designers uses parametric design with their approach to urban design theory. Please do initial work in plan. You may also work in axonometric/perspective or section. Consider delicate lines including line weight, type, color language/logic.

Analysis method: Systems = Unit + Organization + Parametric Variable (and External Force)

Please try to make clear, step by step diagrams of single relationships. This will support comparison between work. I will share a template similar to the one shown in class.

1. Unit (variables contributing to systematic affects) + Organization (grid or not)
 2. Operations, Parametric (commands that are controlled parametrically across a system of organization, ex scale, move)
 3. Abstract/Context propagation (you should first test with nine square units and then over a larger system if you wish)
- Label your diagrams. Label your operations. Label external forces at the unit scale.

Technique + Urban Design Theory

How do you explain the diagram/drawing or the abstract to the real-world flow of the author's drawing?
How can this work contribute to a collective set of *techniques* and *operations* using systems thinking?

Philosophy

What is the media of each design and the way they approach parametric change as a tool suggest about their method of architectural design at the scale of urban design? Does their media technique speak more to a cultural commentary of design and media today or does it approach a specific type of solution for a design problem at a specific place?

Points to maintain in the background:

What are the objectives of the 22@ district as related to workers and residents? public space? other urban strategies?
How does a systems approach support this idea of bottom-up planning? hint: unit/agent and greater whole. local.
How does the Plan Cerdà relate to this investigation as both a starting point for systems planning and open-ended bottom up design, and how will it provide a base organization for the 22@ district?

How do the parametric tools relate to creating an understanding of place from the bottom up and in 22@? Relationship to BCN Ecologia and Salvador Rueda, and 10/10/10 + patrimonio.

Presentation

Please prepare a blog post of 15-25 images (full width) with website like for 10 minute presentations. Images should be saved as last_first_523_S14_01.jpg. Use post category 'Case Study.'

Schedule:

Assigned: Tuesday, January 13
Due: Thursday, January 22



Jonathan Harris, *We Feel Fine*. 2006