

Drawn Out...

parametric techniques for ~~representing~~ constructing architectural space

DESCRIPTION

Anamorphic projection is a long-standing representational technique closely linked to the abstracting methodologies of perspectival construction. Historically, anamorphosis was used to cloak discursive content – often erotic or political in nature – within an image. The illusion was only revealed from a privileged vantage point (e.g. a throne). The technique continues to fascinate, and also suggests new currency for architects, less as a strategy for concealing content or visual trickery and more as a method for disrupting spatial presuppositions. This disruption pushes physical context to the foreground of perception amidst our overwhelmingly technologically mediated experience. The use of parametric modeling software to study anamorphic projection also suggests the possibility of multiple viewpoints experienced as a spatial continuum as opposed to a singular view, understood from a stationary viewpoint.



an example of catoptric projection

DESIGN PROBLEM

In teams, students will construct a parametric, anamorphic drawing machine in Grasshopper. This virtual drawing machine will be combined with CNC workflows to construct material projections on campus that are legible from multiple viewpoints.

READINGS

Translations from Drawing to Building and Other Essays, Robin Evans

The Projective Cast, Robin Evans

SCHEDULE

Week	Dates	Lectures	Tutorials	Deliverables
9	10.23	Projection as representational device	Reading Discussion	Project Release
10	10.30	Projection as spatial device	Drawing Machines in Grasshopper	Site Documentation
11	11.06	Sequential Anamorphosis	Modeling For Fabrication	Parametric Drawing Machine
12	11.13	Modeling for Fabrication	3D Printing	Perspectival Sequence
13	11.20	Work Session	Work Session	Test Print
14	11.27	Thanksgiving (no classes)		Final Model Construction
15	12.04	Project Review / Exhibit		Final project install Final documentation