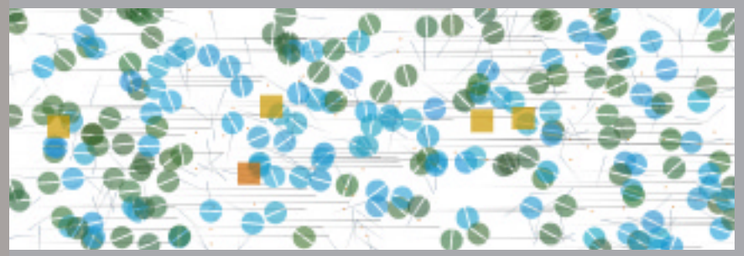
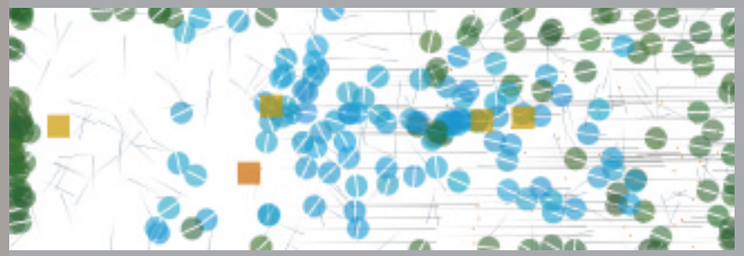
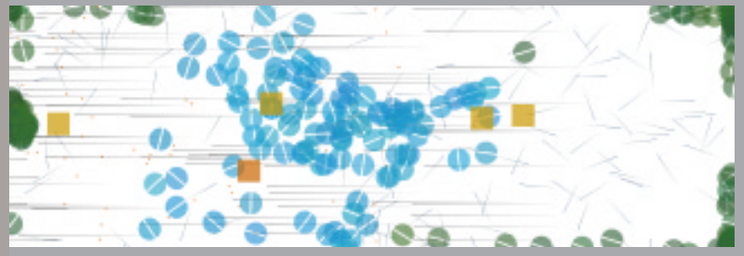
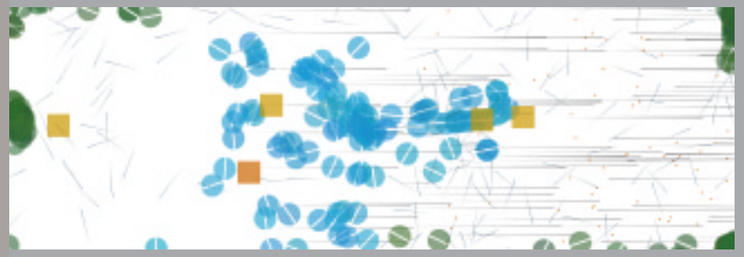
cells

Cells of color navigate through an abstract architecture to create an active ecology. As the user defined architecture changes, the autonomous geometries redirect their movements and therefore the entire composition. In the images above, the system moves from chaos to order.



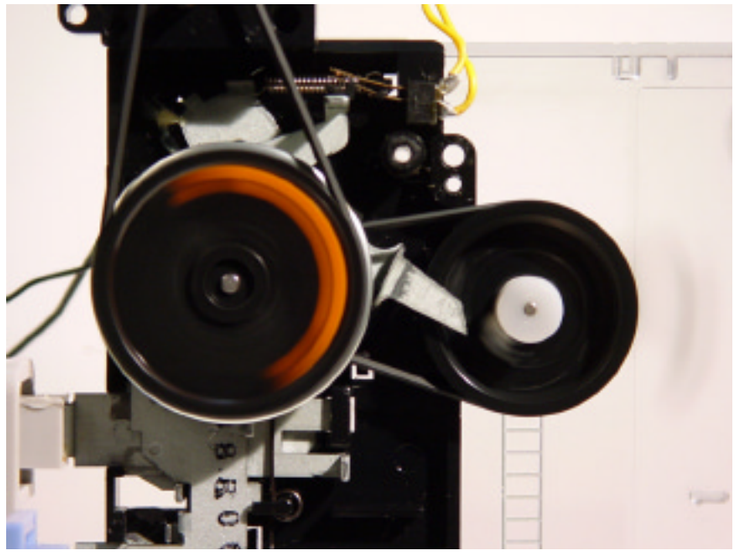


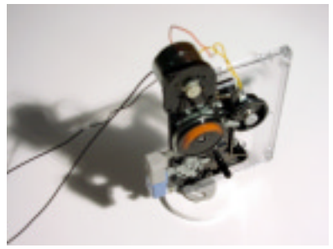


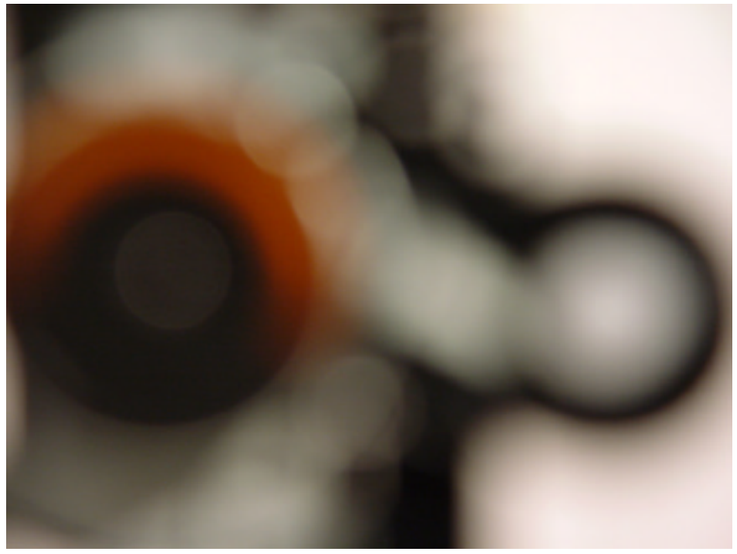


tape machine

What hidden kinetic beauty lies within an ordinary consumer electronics device? Through taking apart and reconstructing a tape player, a new aesthetic machine is created.

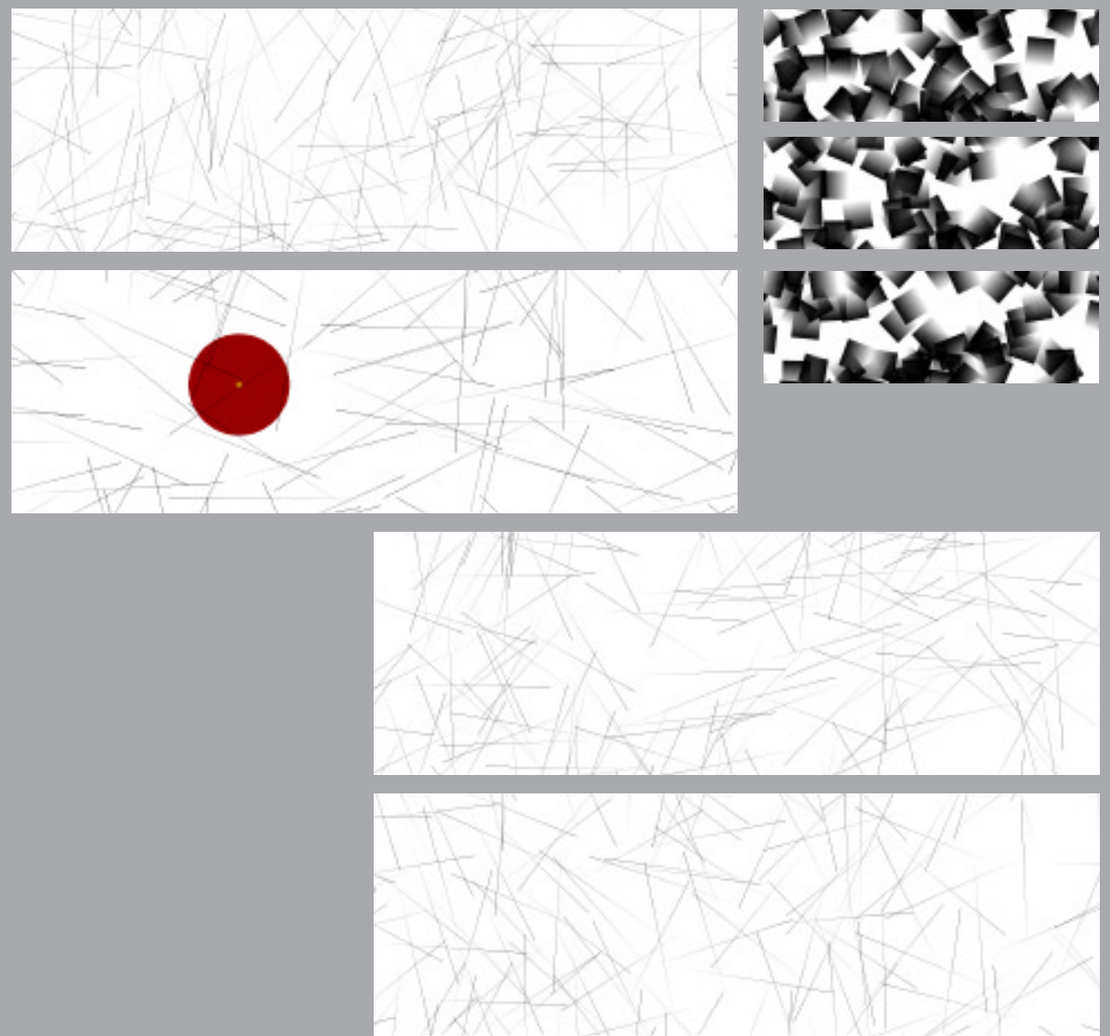






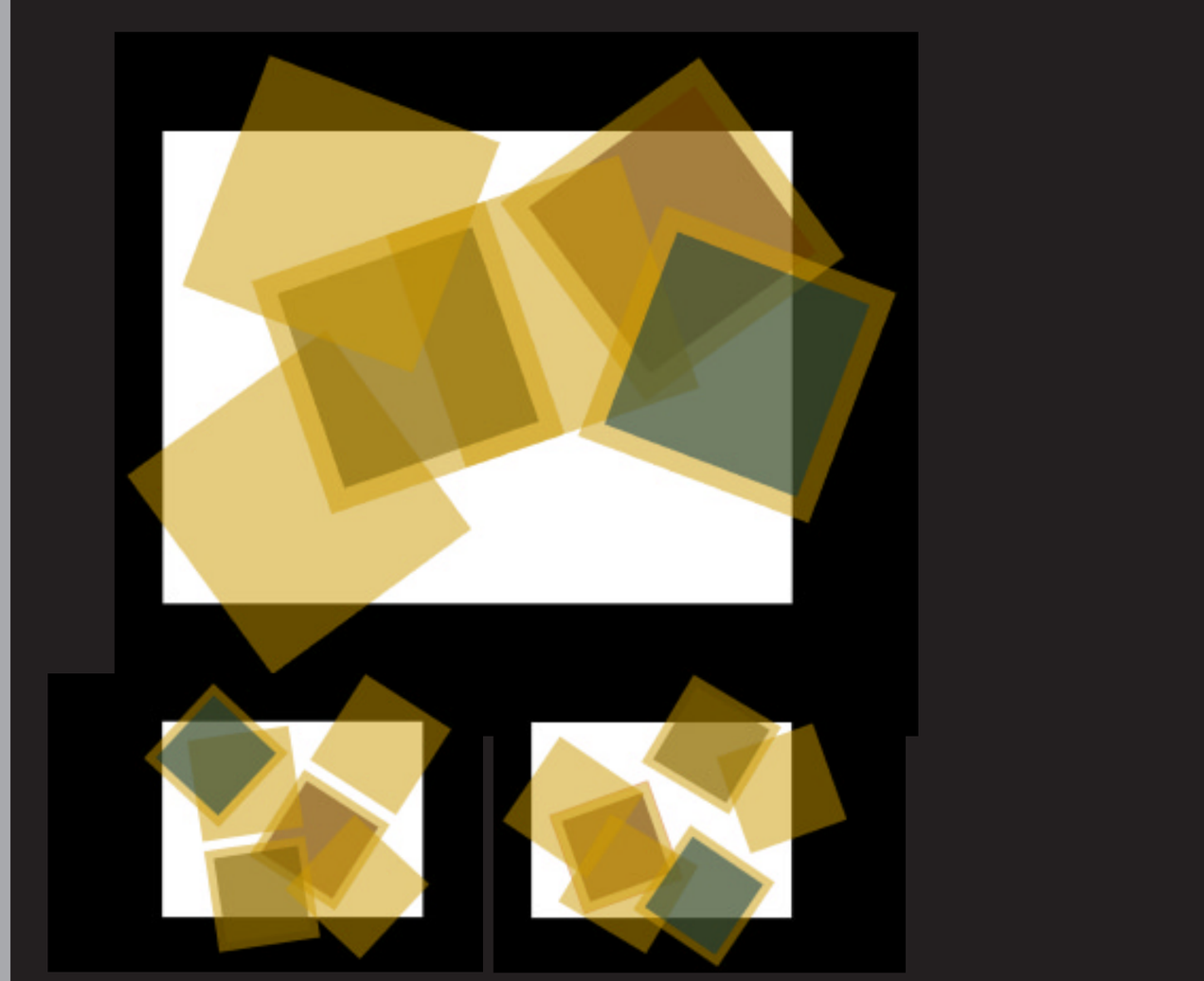
edge

Hundreds of edges move though a stark white plane to create and dissolve momentary spaces. Through interaction, the future course of the system is modified.



catch

Rhythmic sounds are generated by rectilinear forms as they traverse the surface of the screen.

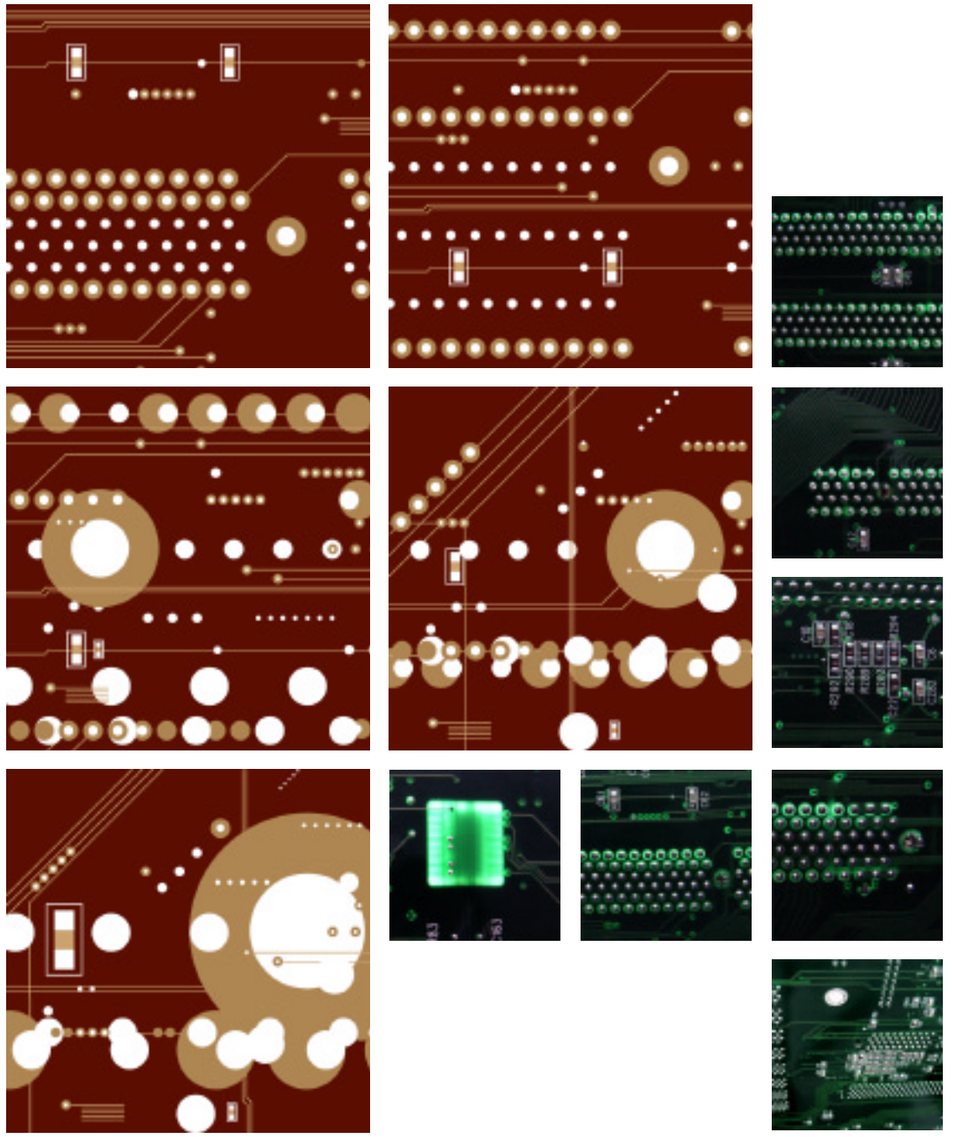


vModulator

The vModulator is a dynamic system for displaying multiple frames of video in the same the visual plane.

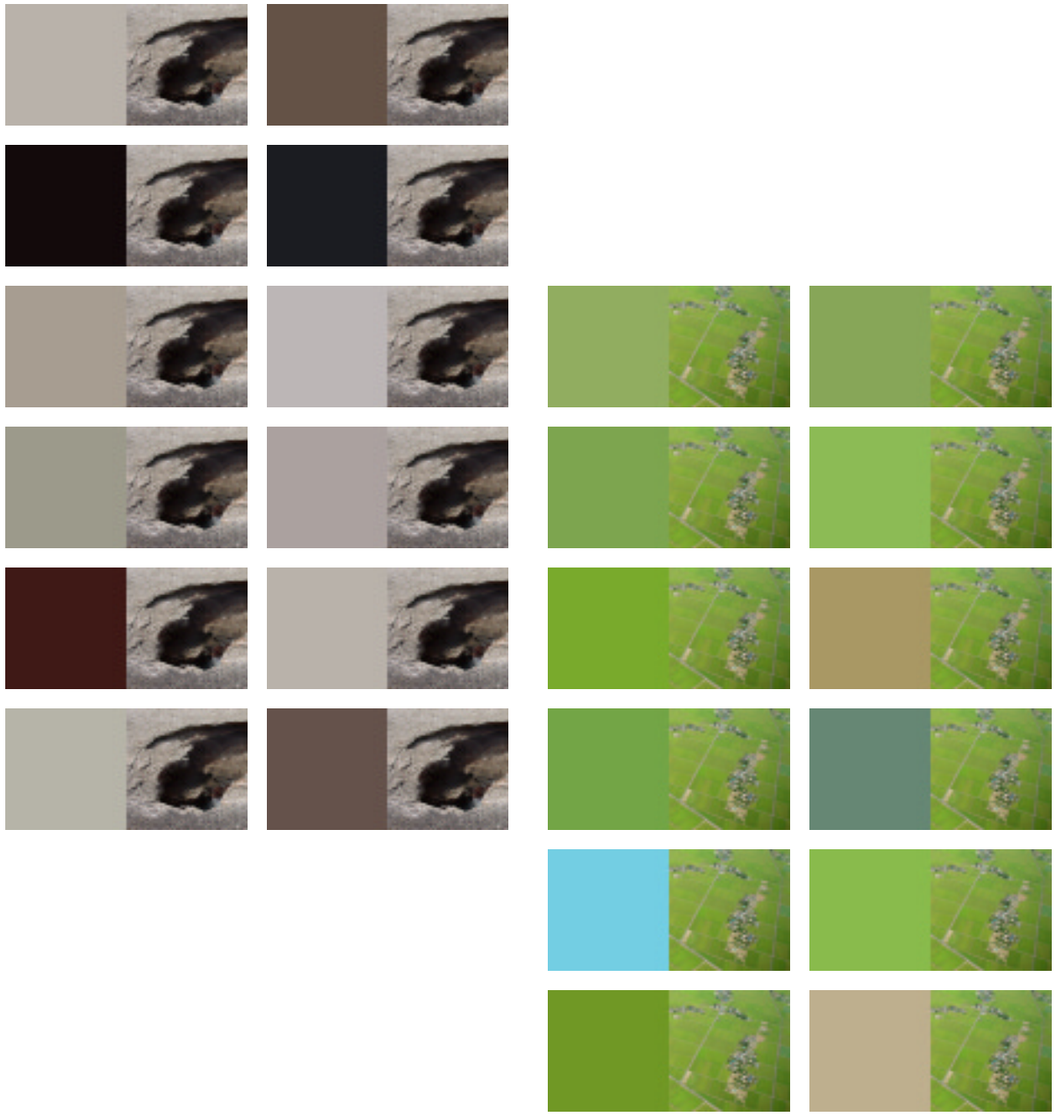
reversion

The geometry of an old PowerPC motherboard served as reference for this storyboard for an abstract animation.



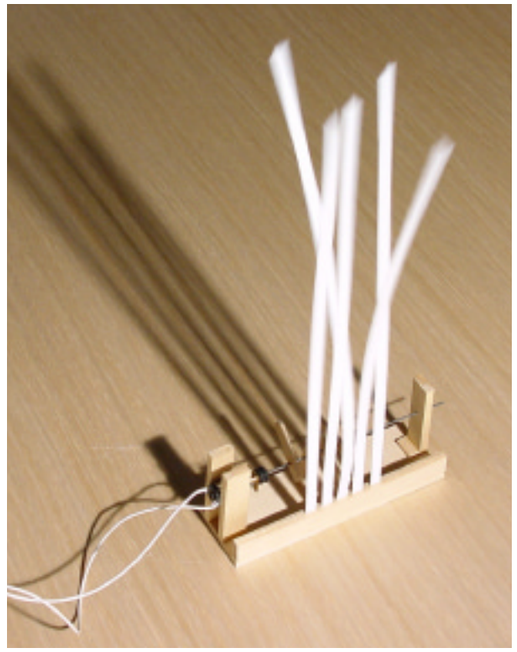
cinema image

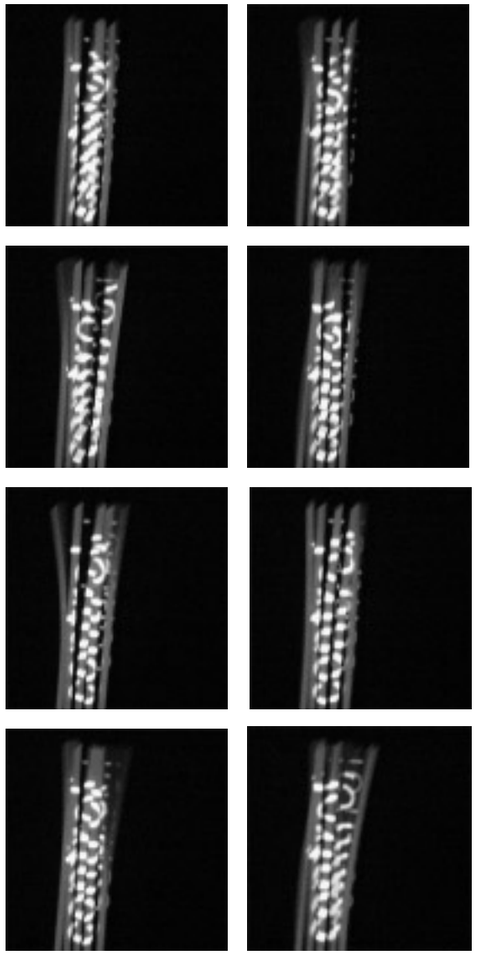
By exploring the surface of a two-dimensional digital image unit by unit, it is effectively transformed into a temporal one-dimensional experience. Structure is revealed through time, not space.



kinetic screen

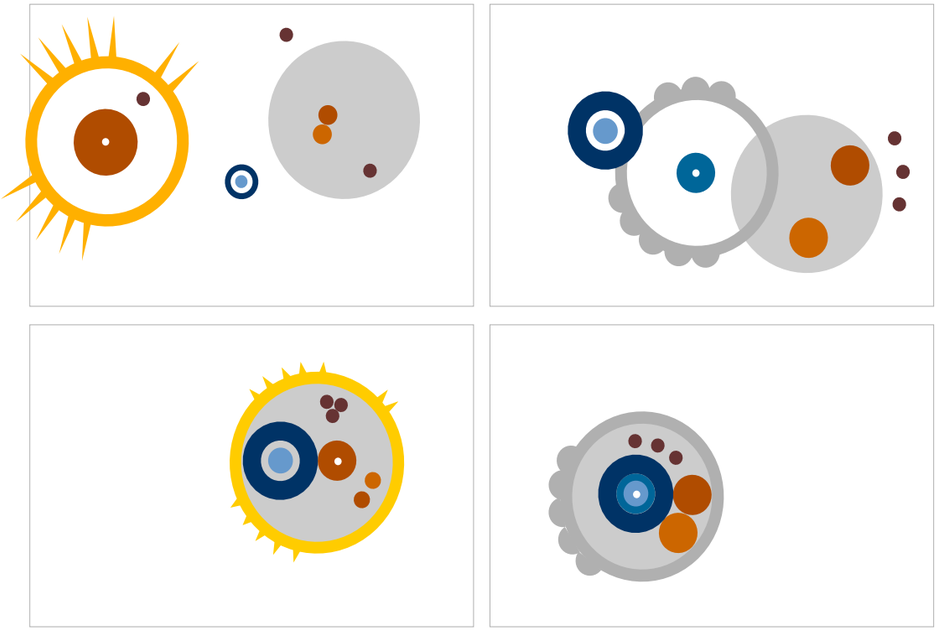
Dynamic, stochastic images are created by projecting a static image onto a kinetic screen.

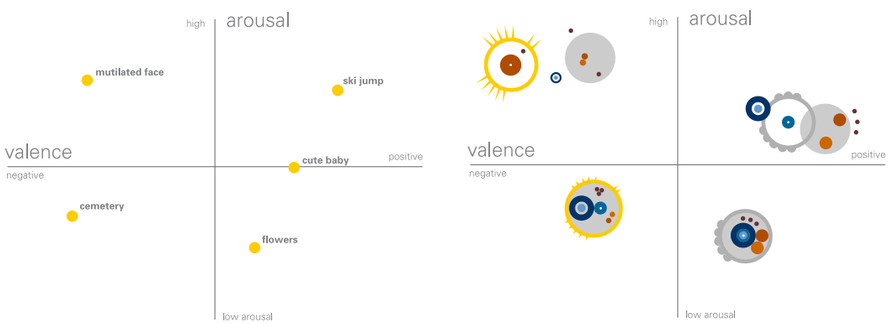


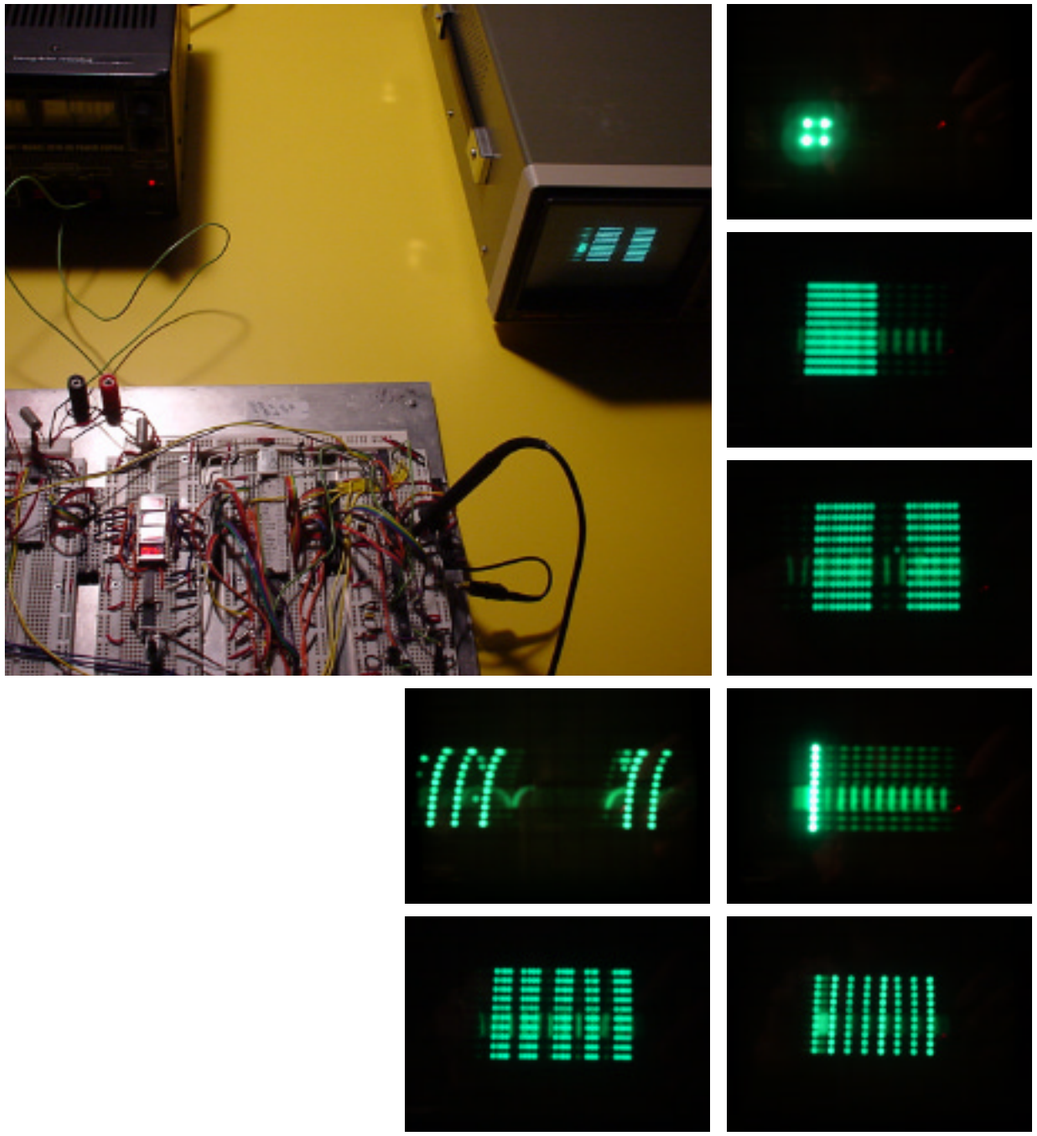


composition organism

This design exercise was executed to create a better understanding of the behavior of living creatures in relation to computational form. Like an organism, the composition structure develops as a result of a long period of interaction with its environment and modifies its behavior to maintain internal equilibrium.





scope

After building a simple computer for an electronics course, I added additional analog to digital convertion hardware and wrote a program in assembly language for interactively processing graphics on an oscilloscope.