

Dissolve

Dissolve is a user interactive music making application!

The screen is split into 5 horizontal slices which correspond to a certain note of a chord.

When you click, a circle will appear where your cursor is, and a tone will be played and slowly fade out, in correlation to the circle growing and fading.

If you press the 'c' key, it will switch between the sets of chords it can play and the screen will change colour to indicate this happening.

In each of the two sets of chords there are 4 chords. The chord change within the sets is controlled by the average RGB value of the video in the background. This value is converted to one number by averaging (brightness) and this value is split into 4 sections. Each chord is in one of these sections, so is changed as the background changes, giving an explicit relationship between the change of notes and change of visuals.

When you move the mouse left to right it alters the speed of change between the videos in the background.

There is 10 note polyphony so that you can create large chords, but not have too much dissonance.

There is also an FM modulator signal which is increased by moving the mouse to the left of the window. It only activates once its to the left of the central line of the screen.

Here is the video link for the overview in case the link in the folder doesn't work:

<https://www.youtube.com/watch?v=mtek2HuWNRI&feature=youtu.be>