**Pulses**

Composed by Nathan Villicana-Shaw

for the CalArts AV Ensemble, Spring 2015

**OSC Notes :** This file will only work with OSC and requires that all performers have a Korg Nano Kontrol or an equivalent midi controller (8 knobs, 8 sliders and 16 momentary pushbutton switches are required). Run the Pulses\_v1.pd file on your pi. Then run your midi to OSC converter. Move a slider on your controller and made sure PD does not throw an error on your PC, if it doesn’t you are good to go.

**Controller Config Notes :** each player of each group is required to randomly position their sliders and knobs to positions between 20-80% before the composition begins.

**Set-up :** All performers should set up in a large circle with their speakers facing a central focal point. Each performer should set up in front of, but close to, their speaker. Each player should **get OSC working and press the first M button** to get the programs frequencies assigned. Alternating in a clockwise fashion each player is assigned to group A or group B and follows the according score.

**Language :** In the score ‘S’ corresponds to the first bank of buttons (b1-b8) on the Nano Kontrol. ‘M’ refers to the second bank of buttons(b9-b16),. If a number follows a S or M (M3 for example) that refers to the third M button counting from the left (index 1).

**Channel Activation :** Channels are activated once its S button is pressed.Try to remember which channels you activated. Although an inactivated channel will not sound it will make it easier to be expressive.

**Time**

**0:00**

**0:15**

**0:45**

**1:00**

**1:15**

**1:45**

**2:30**

**4:00**

**6:30**

**7:00**

**7:30-8:00**

**Group B**

(if you didn’t already press the first M button before you start the composition)

Do Nothing

press S8, S7 or S6. (only one)

Press S5, S4 or S3 (only one)

Freely adjust the two sliders for your active channels

Press the S button for one of your 6 inactive channels.

Freely adjust the three knobs for your active channels and/or press the M button for one of you active channels at will.

Press the S button for one of your 5 inactive channels. And then acoustically manipulate your speaker or performance space.

Press the S button for one of your 4 inactive channels then manipulate sliders and/or press M button for your four active channels

Attempt to match with the rest of the ensemble using many means.

Do whatever you want, but sonically think as an ensemble. From this point on NEVER increaser your sliders; only decrease them.

Slowly fade out all of your sliders

**Group A**

(if you didn’t already press the first M button before you start the composition)

press S1, S2 or S3. (only one)

Press S4, S5 or S6 (only one)

Freely adjust the two knobs for your active channels

Press the S button for one of your 6 inactive channels.

Freely adjust the three sliders for your active channels and/or press the M button for one of you active channels at will.

Press the S button for one of your 5 inactive channels. Chill and listen.

Manipulate knobs and/or press the M buttons for your four active channels

Press the S button for one of your 4 inactive channels. And then acoustically manipulate your speaker or performance space.

Improv : Do whatever you want, but sonically think as an ensemble

Attempt to match with the rest of the ensemble but NEVER increaser your sliders; only decrease them.

Slowly fade out all of your sliders

**Time**

**0:00**

**0:30**

**0:45**

**1:00**

**1:30**

**2:00**

**2:30**

**4:00**

**5:30**

**6:30**

**7:30-8:00**