26/04/2017

LABORATÓRIO DE SOM E IMAGEM
2016/2017

INTRODUÇÃO À PROGRAMAÇÃO COM PROCESSING

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WE ARE WAVES

SEBASTIAN GONZALES + JAVIER CHAVARRI / 2009

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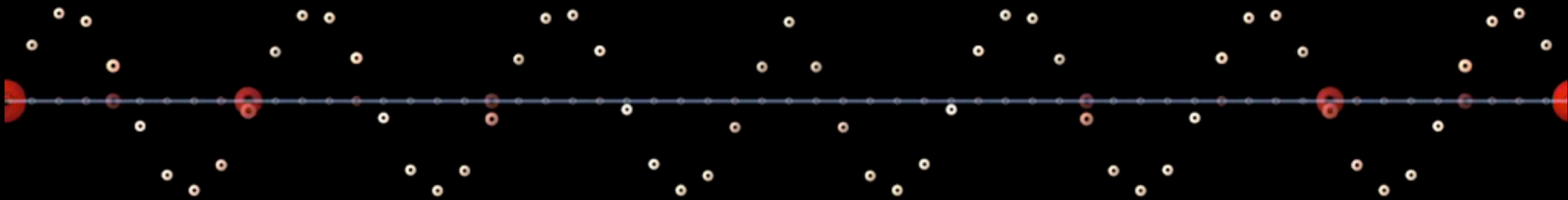


SIMPLE HARMONIC MOTION #5 EXCERPT

MEMO AKTEN / 2012

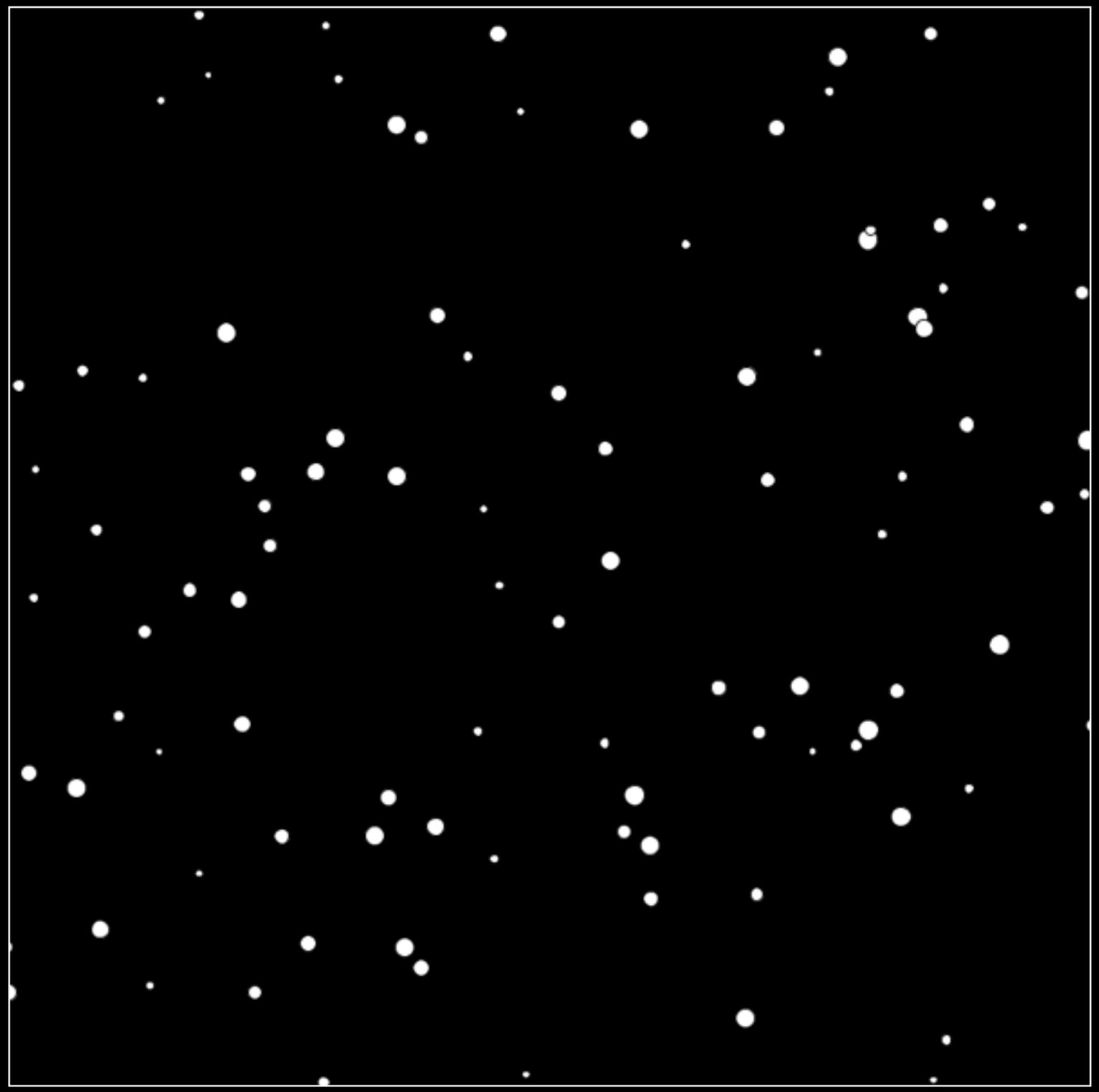
CYCLOTONE II

PAUL PRUDENCE / 2015

[ARRAY] PACKAGE WITH MANY VARIABLES

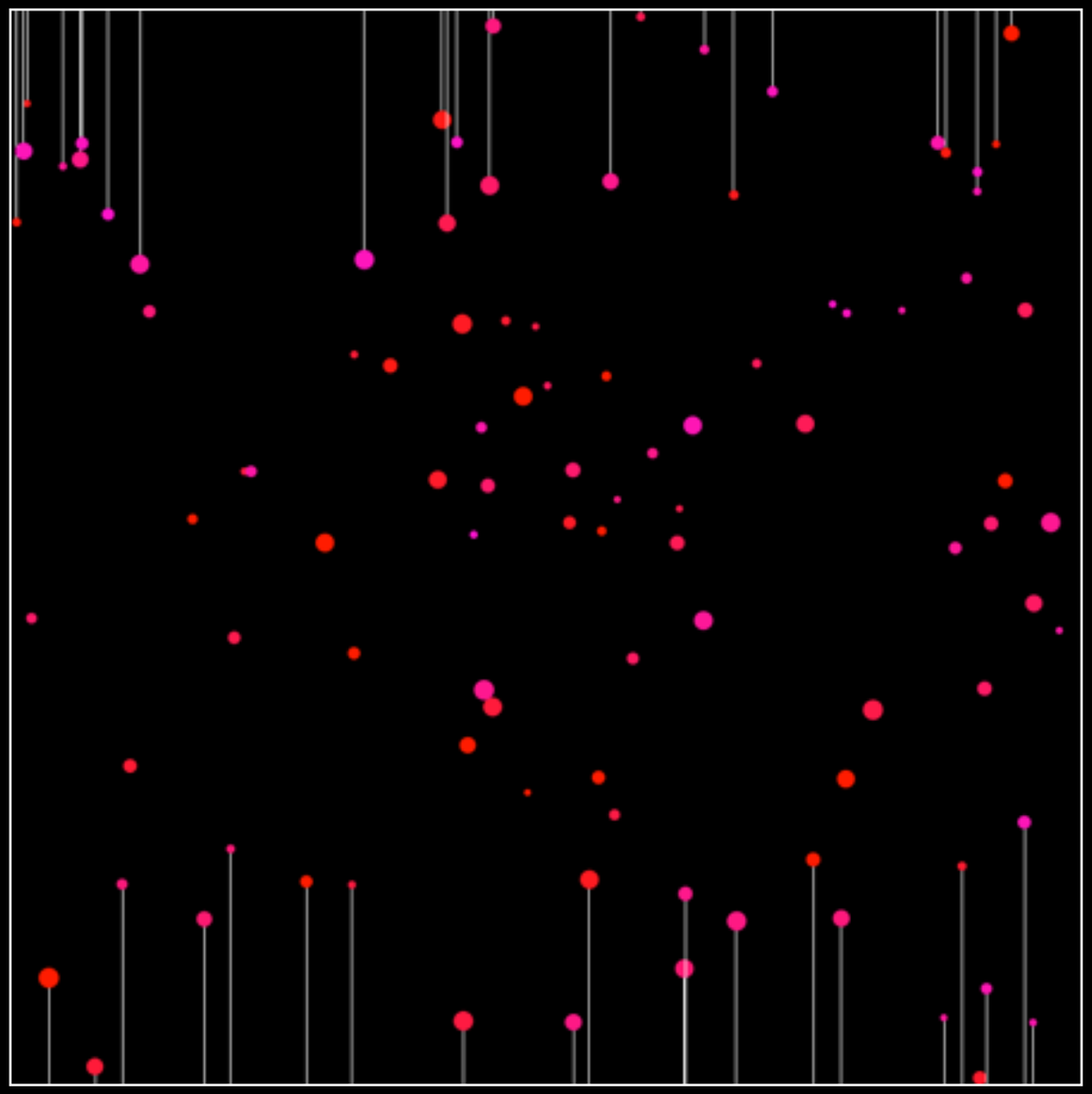
GROUP OF 100 CIRCLES EACH ONE WITH DIFFERENT POSITIONS, VELOCITIES AND SIZE

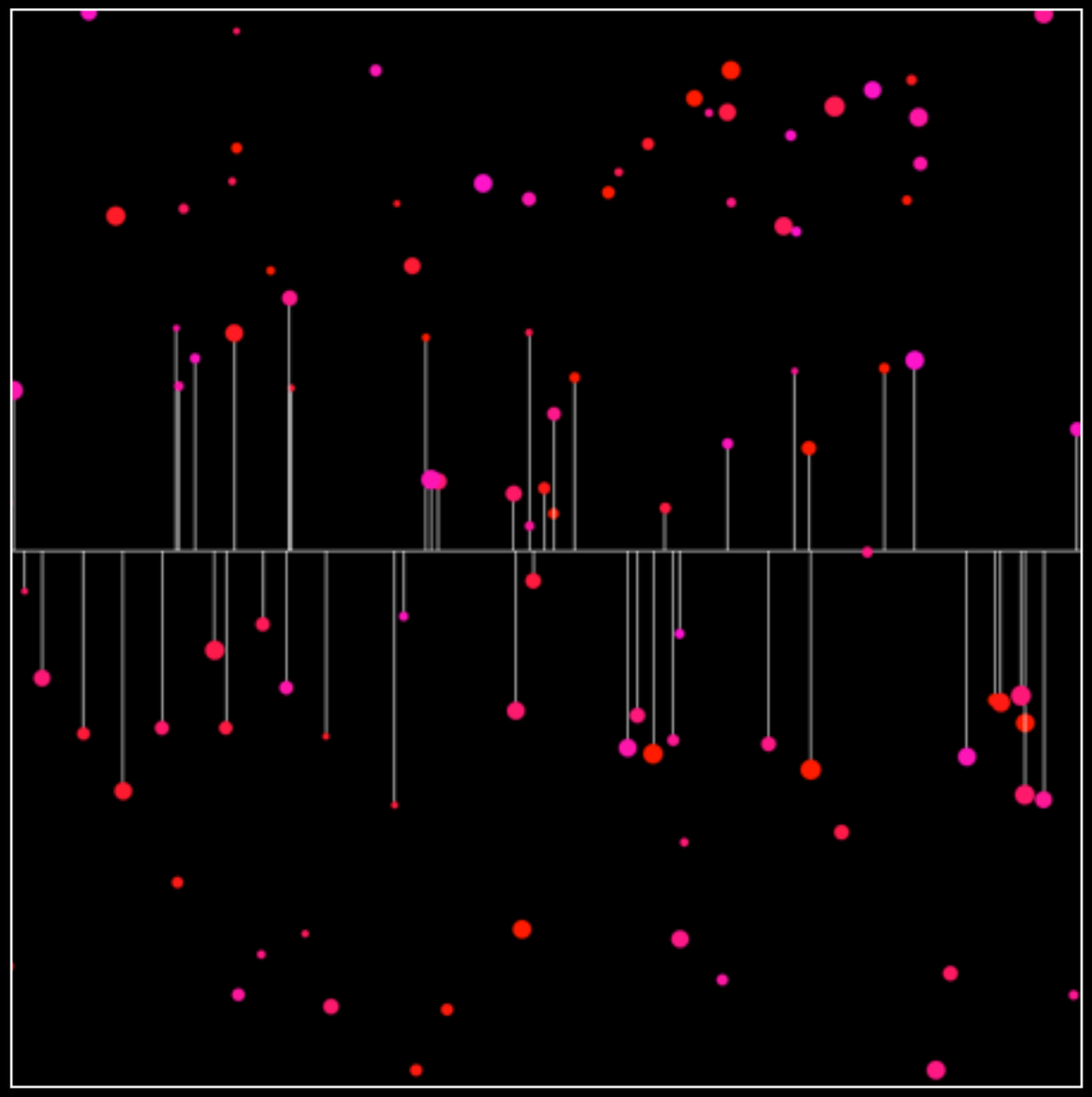
posX [100]
posY [100]
velX [100]
velY [100]
size [100]



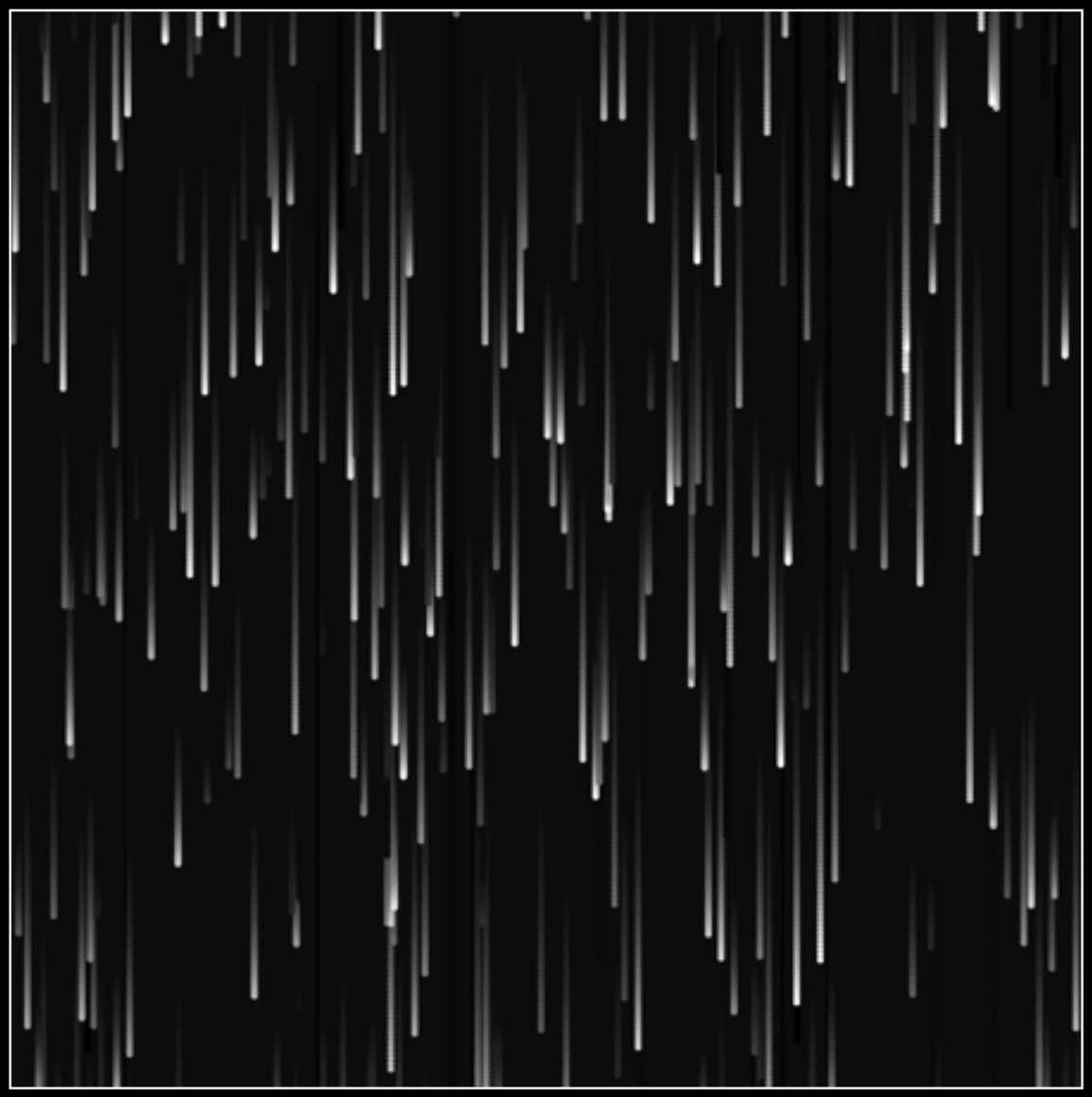
VARIATIONS

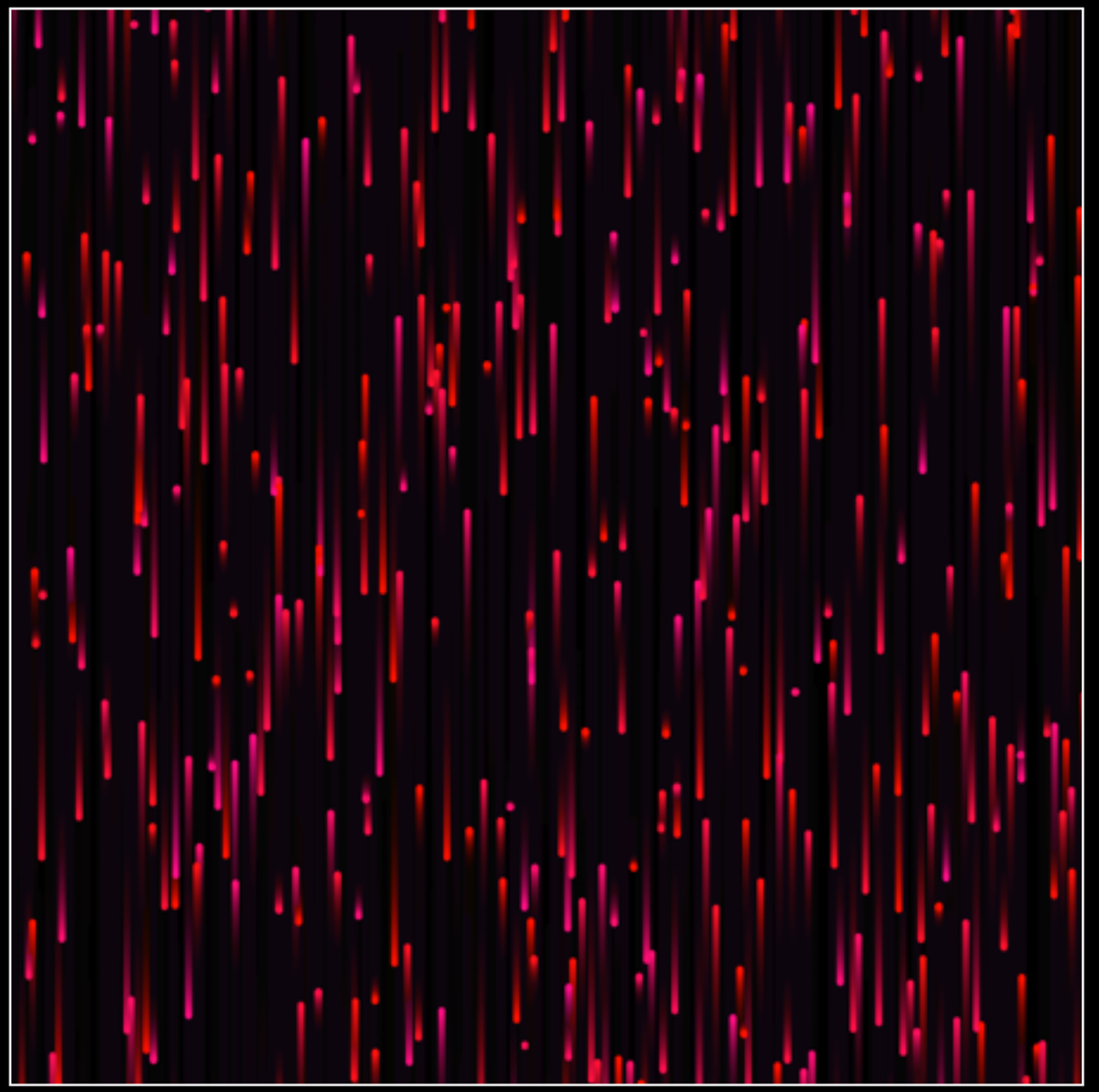
COLORS, VELOCITIES, CONNECTING WITH LINES, …





MOTION & TRAIL



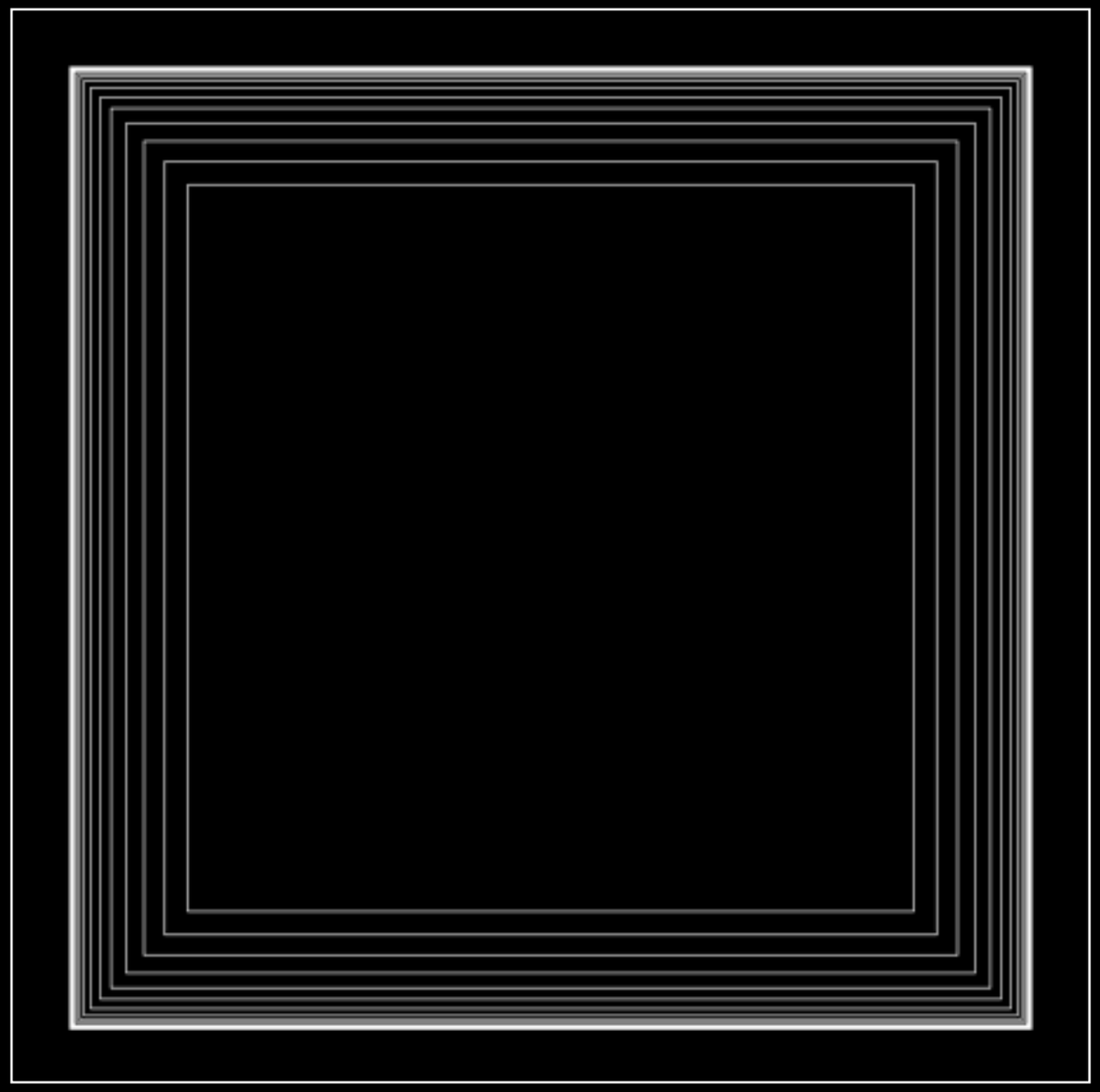


PROCESSING SOUND

```
// import library
import processing.sound.*;

// Declare sound variables
SoundFile sample;
Amplitude rms;

//Load and play a soundfile/loop it
sample = new SoundFile(this, "");
sample.loop();

//Read Amplitude
rms = new Amplitude(this);
rms.input(sample);
```

*USING SOUND AMPLITUDE AS **INPUT***