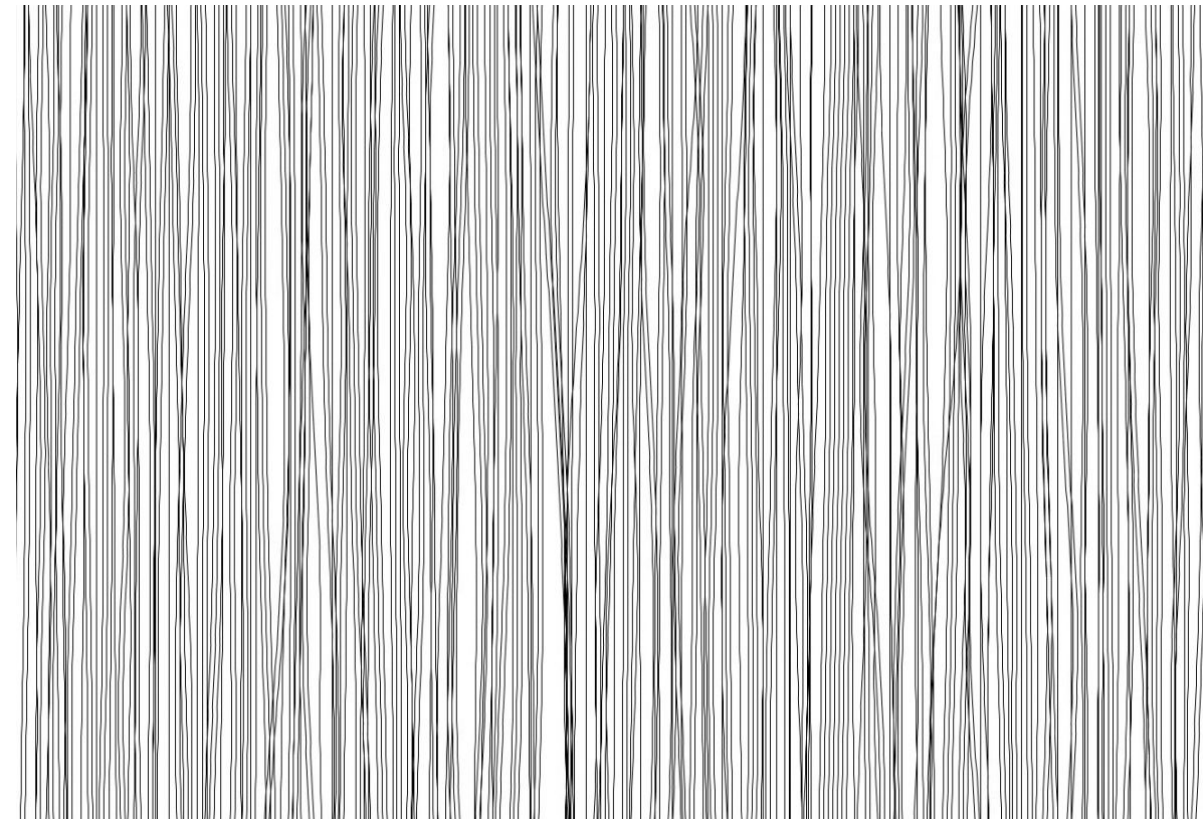


Segundo código



```
import ddf.minim.*;
import processing.pdf.*;
import java.util.Calendar;
Minim minim;
AudioPlayer player;
AudioMetaData meta;

int spacing = 5;
int border = 20;
int amplification = 40;
int num = 100;
int cutBack = 20000;
int cutFront = 10000;
int pos, counter;
float[] x = new float[num];
float[] y = new float[num];
void setup() {
  size(2000, 2000);
  minim = new Minim(this);
  player = minim.loadFile("D:/Silent Hill 2 Original Soundtrack/06 -
Promise (Reprise).mp3"); // load song
  meta = player.getMetaData();
  player.play(); // play song
  player.cue(cutFront); // cut parts from song beginning
```

```

    //beginRecord(PDF, meta.author() + " - " + meta.title()+ " - " +
timestamp() + ".pdf");

    background(255);
    noFill();
    strokeWeight(1);
    stroke(0);
}

void draw() {
    beginShape();// start custom shape
    x[0] = pos + border;// set x and y value of first array item to 'zero'
    y[0] = border;
    curveVertex(x[0], y[0]);
    for (int i = 0; i < num; i++) { // loop through each element in array
        x[i] = pos + border + player.mix.get(i)*amplification;
        y[i] = map( i, 0, num, border, height-border );
        curveVertex(x[i], y[i]);// draw curves
    }
    x[num-1] = x[0];// set x and y value of last array item to 'zero'
    y[num-1] = height-border;
    curveVertex(x[num-1], y[num-1]);
    endShape();// close custom shape

    int skip = (player.length() - cutFront - cutBack) / ((width-2*border) /
spacing);// amount to skip song forward, based on spacing
    if (pos + border < width-border) { // skip song, set new x position
        player.skip(skip);
        pos += spacing;
    } else {
        minim.stop();
    }
    position();
    if (player.isPlaying() == false) endRecord();
}

void position() {
    int totalSeconds = (int)(player.length()/1000) % 60;
    int totalMinutes = (int)(player.length()/(1000*60)) % 60;
    int playheadSeconds = (int)(player.position()/1000) % 60;
    int playheadMinutes = (int)(player.position()/(1000*60)) % 60;
    String info = playheadMinutes + ":" + nf(playheadSeconds, 2 ) + "/" +
totalMinutes + ":" + nf(totalSeconds, 2 );
    println(info);
}

void keyReleased() {
    if (key == 's' || key == 'S') saveFrame(timestamp()+"_##.png");
    if ((player.isMuted() == false && key == ' ')) player.mute();
    else if ((player.isMuted() == true && key == ' ')) player.unmute();
}

String timestamp() {

```

```
Calendar now = Calendar.getInstance();  
return String.format("%1$tH%1$tM%1$tS", now);  
}
```