



tabula rasa musica (Live Performance)

Topic: Generative Design, Music

Author(s):

labora media
Germany
www.labora.media

Abstract

“labora media” is a group of artists and their mobile laboratory to create interactive media in real time with their own developed instruments, as independent as possible.

```

8
9 h0 = [0, 0.25, 0.5, 0.25, 0.5, 0.75, 1, 0.5, 0, 0.125, 0.25, 0.125].ring
10 h1 = [0, 0, 0.25, 0.25, 0.5, 0.25, 1, 0.75, 1, 0.75, 0.25, 0].ring
11
12 live_loop :sequenz do
13
14   m = ((scale 0, :major)*(16*1.0/8).ceil).take(16).pick(32)
15
16   16.times do |s|
17     puts s
18
19     r0 = (spread(map(0, 3, h1[Integer(s*1.0/2)]), 4))
20     r1 = (spread(map(0, 13, h0[Integer(s*1.0/2)]), 16)).shuffle
21
22     m = m.reverse
23
24     16.times do |t|
25
26       sample :drum_bass_hard if r0[p]
27       sample :drum_snare_soft if r0[t+2]
28       sample :drum_cymbal_closed if r0[t+3] || r1[t+1]
29       sample :drum_splash_soft if t%127==0
30
31       use_synth :piano
32       play 56 + m[t%m.length()], release: 3 if r1[t]
33       play 32 + m.reverse[t%m.length()] if !r0[t]
34
35       sleep 1.0/4
36     end
37   end
38 end

```

Terminal output:

```

=> Welcome to Sonic Pi
=> Session fd440497
=> Saturday 30th September, 2017
=> 07:47, CEST
=> Hello, somewhere in the world
    the sun is shining
    for you right now
=> IMPORTANT NOTICE
Your version of Sonic Pi is outdated
The latest is v3.0.1
Please consider updating
http://sonic-pi.net

=> v2.10 Ready...
=> Studio: Initializing...
=> Starting run 1
=> Completed run 1

```

Visualizer: music as :code, code as :art, v2.10

“tabula rasa musica” is a method to develop generative music via live coding.

Starting with nothing, coding a static beat, expanding with dynamic methods and ending up with automatic sequencing to generate different songs in one performance. Nothing more, nothing less. Maybe endless playing music.

info@labora.media

Key words: live coding, generative music