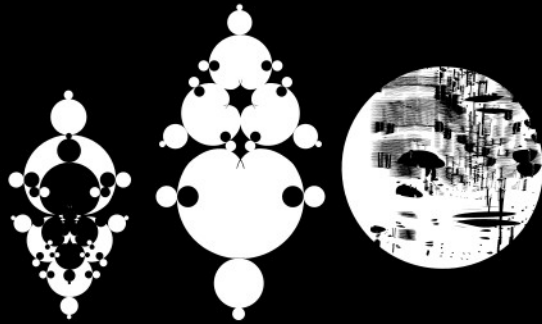
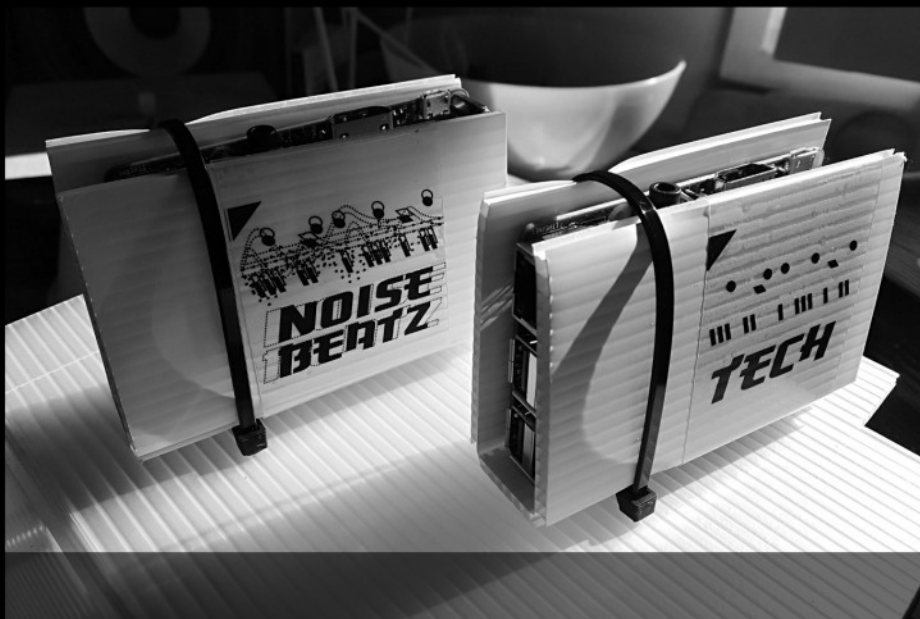


GNRTV
BOTS



SONIC•BOTS



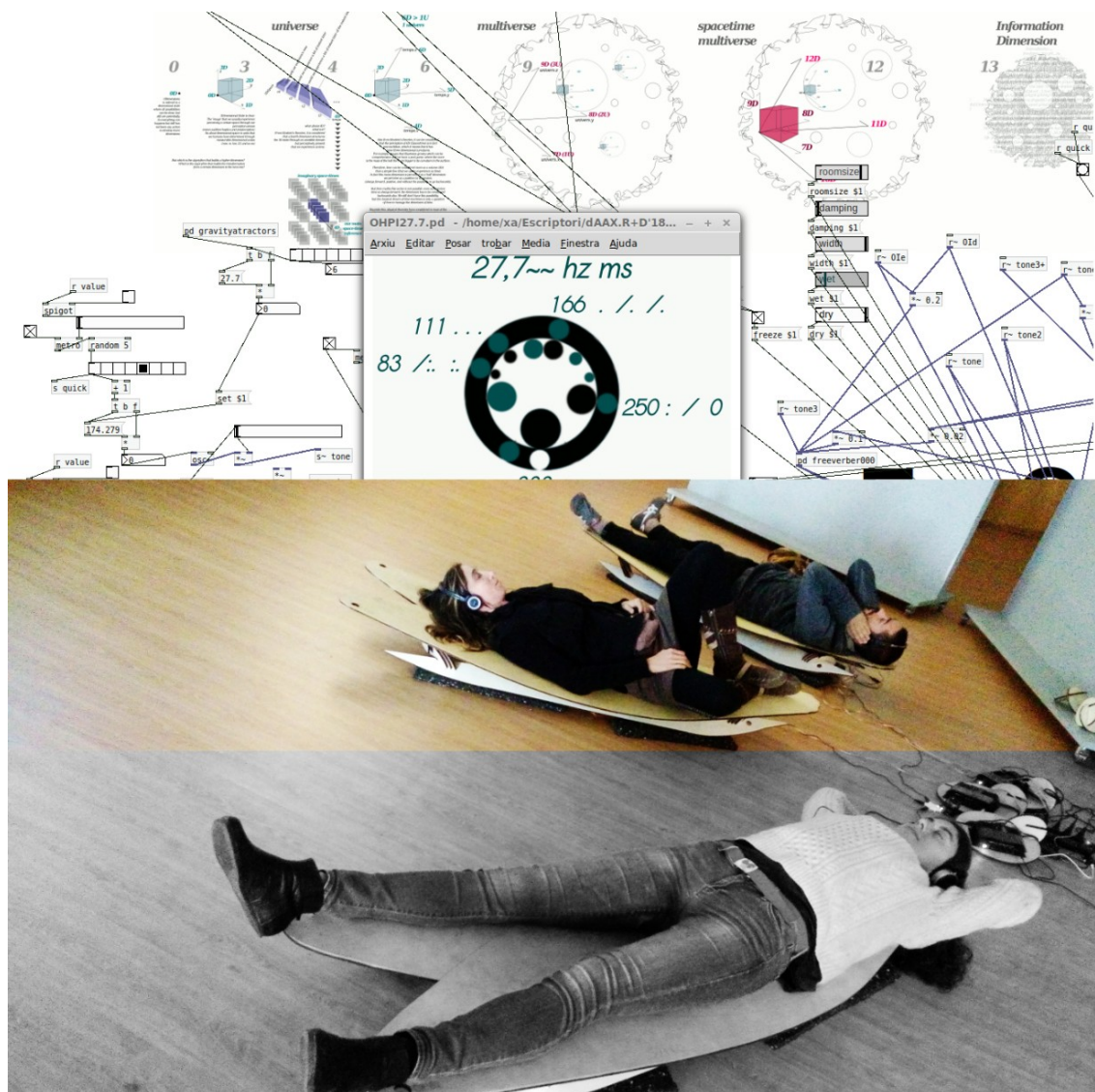
GNRTV.BOTS ((Sonic BOTS))

Sonic BOTS are a set of more experimental and complex tools that we can build with the GNRTV.CELLS Toolkit, in order to get sonic automats.

In short, it is about generating a set of sound algorithms that work automatically. This automation as previously explained is based on physical models and biological / organic models, therefore it is worth remembering that although it has common concepts with AI, they are methods that are inspired by other intelligences than human, whatever these are.

Therefore, if we make automated algorithms, it will allow us useful applications such as the creation of interactive and/or immersive Electronic Art installations.

One of the automatism precedents is what I did for the Ones Hàptiques installation (<http://oneshaptiques.space>). It is an algorithm (OHPI) programmed in Pd following a numerological conceptual line inspired by the multiverses proposed by some of the unifying theories / Quantum Gravity of the Physical Sciences of the last decades. You can listen to a recording in this video.



SONIC GENERATIVE
ALGORITHMS



HAPTICAL LISTENING





Code available at ><https://github.com/xamanza/GNRTV.BOTS>

package

<https://github.com/xamanza/GNRTV.BOTS/raw/main/GNRTV.BOTS.zip>

GNRTV.BOTS includes 4 automats to play around (building automats requires advanced/expert level of pd programming and/or GNRTV.CELLS usage)

It has some models where we will find 4 drones that we can process in the CORE (remember explanation in chapter 2). In this case, we have 4 Automata that generate the following soundscapes:

Oceans BOT : Wind and wave simulator.

Alba BOT : Landscape drone with micromelodies and sub bass contrast.

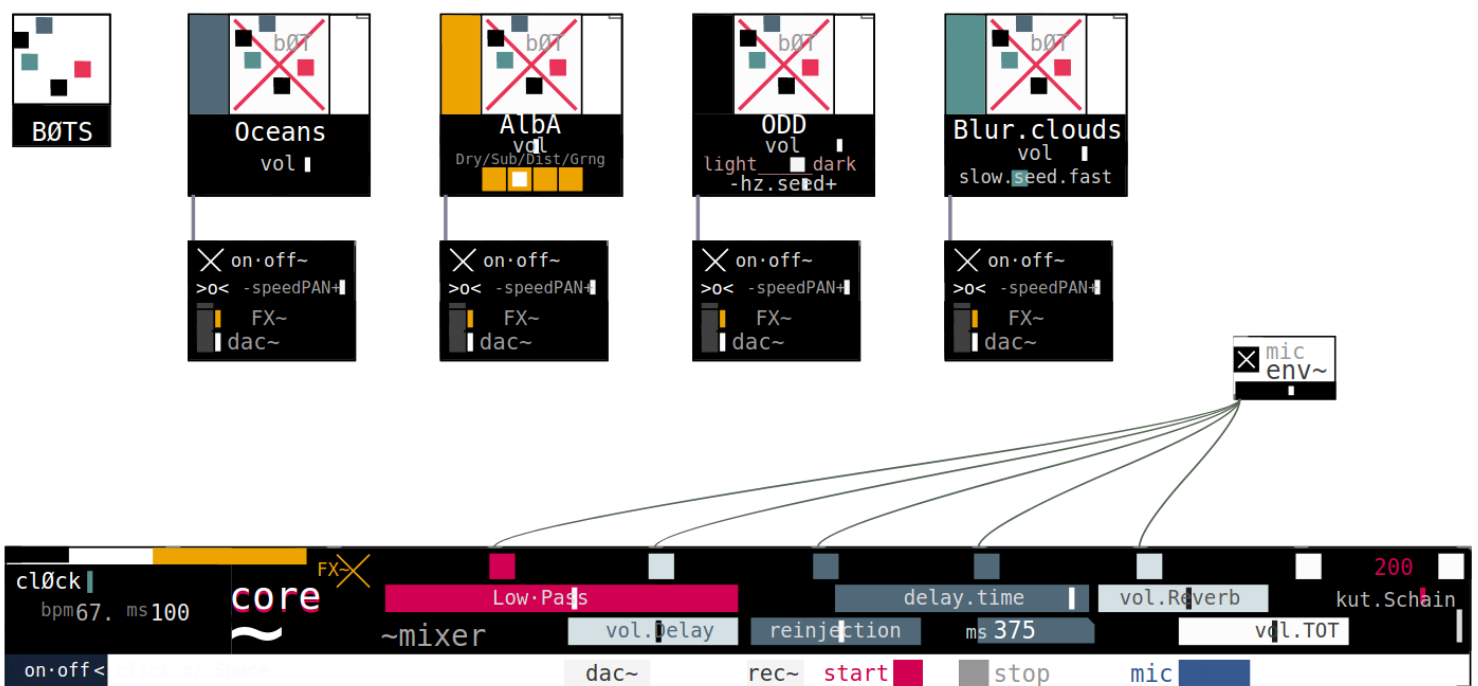
In addition, it has a parameter with 4 types of timbre texture:

Dry (original dry)

Sub (processed with BandPass and LowPass Filters to obtain a more 'tele.lúric' result)

Disto (Processed with Distortion)

GRunge (Processed with more distortion)



ODD OneDroneDay BOT

Microtonal drone that extracts industrial and string sounds, where we can choose the same mood between brighter and darker (light / dark), as well as the seed or seed of generation of the new timbre parameters. (-hz.seed+)

Blur.Clouds

Multi-octave multi-octave microtone clouds and artifacts filtered with small reverb cuts and Spatial Sound Effects

INSTALL STEPS

_____ 0 // > In case you don't have it yet, Install first *pd-l2ork* or *purr-data* in your OS :

Mint & Ubuntu & Debian based

https://l2ork.music.vt.edu/data/pd-l2ork/Pd-L2Ork-2.16.0-20221218-rev.30d739c8-x86_64.deb

RaspberryPi

<https://l2ork.music.vt.edu/data/pd-l2ork/Pd-L2Ork-2.16.0-20221218-rev.30d739c8-armv7l.deb>

MacIntel

https://l2ork.music.vt.edu/data/pd-l2ork/Pd-L2Ork-2.16.0-20221218-rev.30d739c8-x86_64.dmg

Win

<https://l2ork.music.vt.edu/data/pd-l2ork/Pd-L2Ork-2.16.0-20221219-rev.d114995b.exe>

or

https://github.com/agraef/purr-data/releases/download/2.19.0/purr-data-2.19.0-ubuntu-x86_64.zip (Mint & Ubuntu & Debian based)

https://github.com/agraef/purr-data/releases/download/2.19.0/purr-data-2.19.0-macos-x86_64.zip (MacIntel)

https://github.com/agraef/purr-data/releases/download/2.19.0/purr-data-2.19.0-mingw-x86_64.zip (Win)

in case previous are not working check in those versions / forks / updates

<http://l2ork.music.vt.edu/main/make-your-own-l2ork/software/>

<https://github.com/pd-l2ork/pd-l2ork>

<https://github.com/jonwwilkes/purr-data/releases>

<https://github.com/agraef/purr-data/releases/tag/2.19.0>

_____ 1 // Download the package

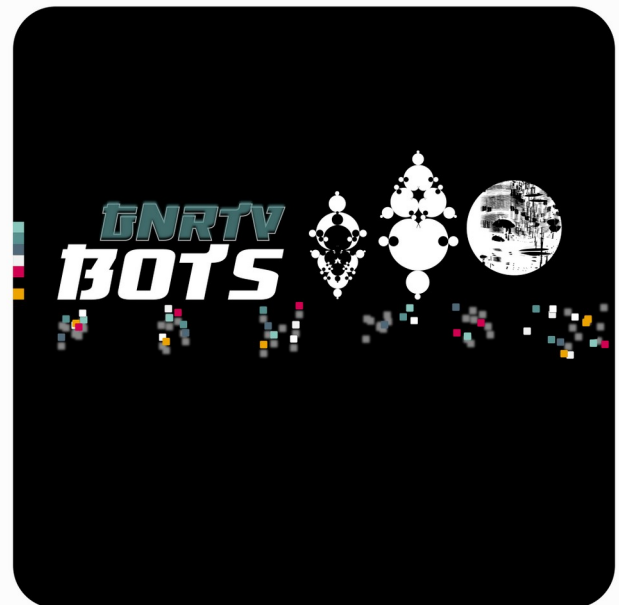
<https://github.com/xamanza/GNRTV.BOTS/raw/main/GNRTV.BOTS.zip>

_____ 2 // Unzip in any location in your OS

_____ 3 // Open

Open (with *pd-l2ork* or *purr-data*) the patch *GNRTV.BOTS.pd* which is contained in *GNRTV.BOTS.CODE* directory

_____ 4 // Play and Njoy tweaking parameters through sliders



● <https://github.com/xamanza/GNRTV.CELLS>
Toolkit for Generative Algorythmic Music Projects

● <https://github.com/xamanza/GNRTV.BOTS>
playing around with Algorythmic Music BOTS

● <https://github.com/xamanza/GNRTV.BLOCKS>
Minimal Algorythmic Pd Modular Blocks

This project GNRTV.CELLS // SENTIENTS is supported by
Ones Haptiques LAB & Cultura @gencat

by Xavi Manzanares // 2023 // Ones Haptiques LAB
GNRTV.CELLS © by Xavi Manzanares GPL V3

in addition has this specific clause :
-Embed code in hybrid media systems (even those could not be GPL licensed software)
is allowed for the following cases:

Artistic, Educational and Research purposes, independently if those activities are monetized or not.
Those purposes usually means a big work behind it, therefore if further developments includes
labor measures of no exploitation and human rights accomplishment,
it can be used with no restrictions.

Exception : Algorithms generated with CELLS cannot be used
for economic speculative monetization dynamics
unless there is a specific consensus with the community of Pd developers and contributors.
GNRTV.CELLS // GNRTV.BLOCKS ©

/// December:2022
^ ^ ^