GRANITIQUE - A granular instrument built around the granule~ external by Eric Lyon (part of Lyon Potpourri collection of externals for MAX and pd).

Description -

Granitique is a two voices granular synthesis toy that generates textures of sounds. The two voices can be mixed together. The sounds vary from random, slow grains, similar to wind chimes to crowded clouds of sounds remembering insects, to sounds remembering falling water. Granule is a granular synthesis module reading from a stored waveform in a buffer, it's interesting how flexible it is!

Install and run -

Decrompress the archive somewhere. Set the path to your externals (see below) and open main.pd

Voices -

There are separated controls for both voices on the main interface, controlling grain duration, wave within each grain, grain window. Minimum and maximum amplitude, left and right pan are controllable for each voice. The frequencies generated can be "pitched" (meth = 1, i.e. constraining the grain frequencies to be on a "scale") or "unpitched" (each frequency between min and max specified are equiprobable). NOTE that the scale is applied only if meth == 1. "Steady" is a control to generate steady rythm or not for each grain.

Controls -

Go button starts the patch. Mix1-2 does mixing of voice 1 and 2.
The control section has few parameters for controlling reverb and main volume slider. A zoom slider is for the visualization of the data in the two lissajous displays.

Presets -

Storing and recalling of presets is done separately for voice 1 and 2. Presets can be saved (up to 16+16 positions for storing). For details on which parameters are saved within a patch and which are not, have a look at the readme within the main patch. To recall a preset, just put the vertical slider on the selected preset position and then press "recall". To save a preset, put the vertical slider on the selected preset position and then press "store"

Externals -

Granitique is not external-free. Externals required in order to run ir are:
- granule~, function~ (from LyonPoutpourry) released under MIT license (license is in the patch "readme"). They are available at:
http://www.somasa.qub.ac.uk/~elyon/LyonSoftware/Pd/
- freeverb~ (if you use pd external just set your path to pd/extra/freeverb)
- Scope~ from cyclone library (as above just set your path to pd/extra/cyclone)
- image from ggee - for fun only! (as above just set your path to pd/extra/ggee)

Windows DLL and Linux externals (compiled on Ubuntu 10.10) are included for granule~ and function~ in the archive. Sorry, no Mac's here around.

Granitique is a PureFun! (TM) project so, if you have > 1 min of fun out of it the objective is reached.

Any feedback or comments to: alberto . zin AT gmail . com

Alberto Zin, 2011
http://sites.google.com/site/albertozin/