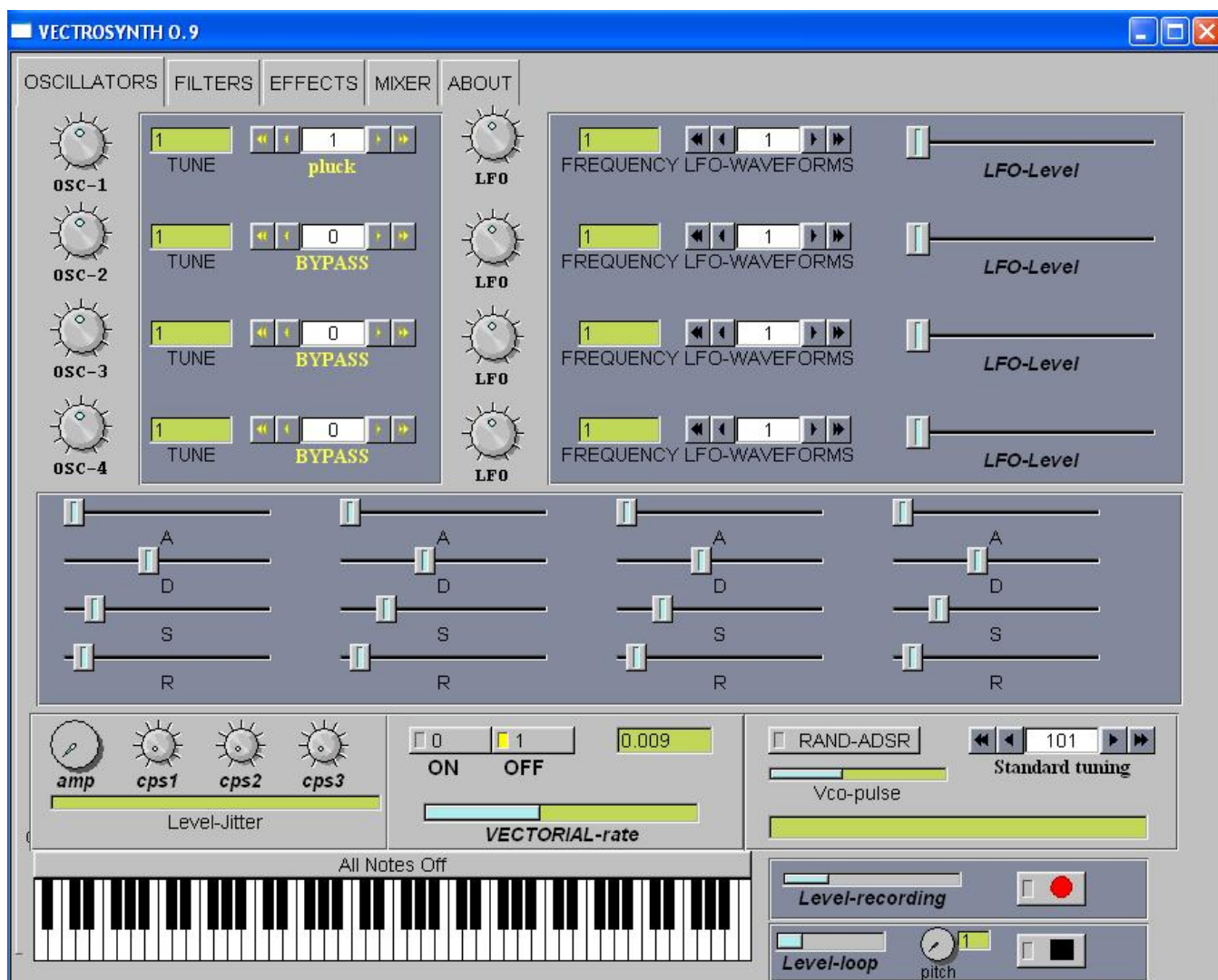


Vectrosynth  
Version 0.91  
1-2-2007  
A Vectorial synthesizer for csound5.  
by Giorgio Zucco  
Released under the GPL license (see gpl.txt).

**VECTROSYNTH** 0.91 by Giorgio Zucco (first release 1-2-2007)



Requires: Csound5.04-d or higher(with STK opcodes\*); wxPython (optional); Steven Yi's FLTK Virtual MIDI keyboard (optional, recommended if not controlled by an external MIDI controller); Vectrosynth is a experimental synth for vectorial synth,is realized for csound 5.05 thanks to Fltk library;

-to put vectro-opcodes.h to c:\csound\bin (for pc version)

Vectrosynth is :

- 1)4 oscillator with 65 shapable waveforms(also include the STK library),with independent LFO,ADSR(and Random ADSR) for every OSC;
- 2)2 Filters section (Multifilter mode until a two filters in serial,random automations);
- 3)2 effects section (with 11 fx);
- 4)Morphing between four Oscillator with rate control;
- 5)Global Reverb(reverbsc)
- 6)Mixer
- 7)selected standard tuning and microtonal tuning(15 scales);
- 8)rendering to disk for real time midi performance;
- 9)simple Loops-records
- 10)snapshots save;
- 11)specials thanks to librarys of Steven Cook(for effects work),Ian McCurdy!

for Save Presets :

- 1)store a bank empty of snapshots click on 'Save Bank'
- 2)Make a personal sound patch;
- 3)select an snapshot number using the counter
- 4)Click on 'Save Snapshot' to store the current settings

for restore Presets :

To restore a previously stored bank of snapshots click on LoadBank'  
Presets can be retrieved by selecting snapshot numbers in the button bank

A pdf manual is work in progress,sorry :-(

for contacts,questions,send mail to:  
[giorgiobrx@libero.it](mailto:giorgiobrx@libero.it)

Bank oscillator 1-44 ( 21-44 STK by Perry Cook)

- 1) pluck
  - 2) Chant
  - 3) Grain
  - 4) Noise
  - 5) Scanned
  - 6) Vco-saw
  - 7) Vco-square
  - 8) Vco-saw2
  - 9) Vco-square2
  - 10) Vco-triangle
  - 11) Organ
  - 12) Additive
  - 13) Additive2
  - 14) Additive3
  - 15) Additive4
  - 16) buzz
  - 17) bell
  - 18) chord
  - 19) Spline1
  - 20) Acid
  - 21) BandedWG
  - 22) BeeThree
  - 23) BlowHole
  - 24) Bowed
  - 25) Brass
  - 26) Clarinet
  - 27) Drummer
  - 28) Flute
  - 29) FMVoices
  - 30) HevyMetl
  - 31) Mandolin
  - 32) ModalBar
  - 33) Moog
  - 34) PercFlut
  - 35) Plucked
  - 36) Resonate
  - 37) Rhodey
  - 38) Saxofony
  - 39) Sitar
  - 40) StifKarp
  - 41) TubeBell
  - 42) VoicForm
  - 43) Whistle
  - 44) Wurley
- ;John Chowning set :
- 45) CHOWglass
  - 46) CHOWPad
  - 47) CHOWPerc
  - 48) CHOWPiano

49) CHOWrebell  
50) CHOWSoprano  
51) CHOWTrumpet  
52) CHOWVibr  
53) CHOWClar  
54) CHOWwown  
55) CHOWLoop  
; Jean-Claude Risset set:  
56) RissBell  
57) RissClar  
58) RissDrum  
59) RissDrum2  
60) RissGliss  
61) RissFlute  
62) RissHarmon  
63) RissNoise  
64) RissOctave  
65) RissRing

TUNING SCALES : (101/111)

1) Standard tuning  
2) Quarter tones  
3) Decatonic  
4) Pythagorean  
5) Third tones  
6) Detuned  
7) Harmonic  
8) Chinese  
9) Major Triad  
10) Fibonacci  
11) Pentatonic  
12) Bohlen Pierce  
13) Bharata tuning  
14) Indian shruti  
15) Wendy Carlos Alpha

\*STK opcodes they are not included in Mac Version (Osc 1/20); STK is not in the Mac distribution, it's not part of the cross-platform distribution, but an add-on that Michael Gogins has put in the Windows package.