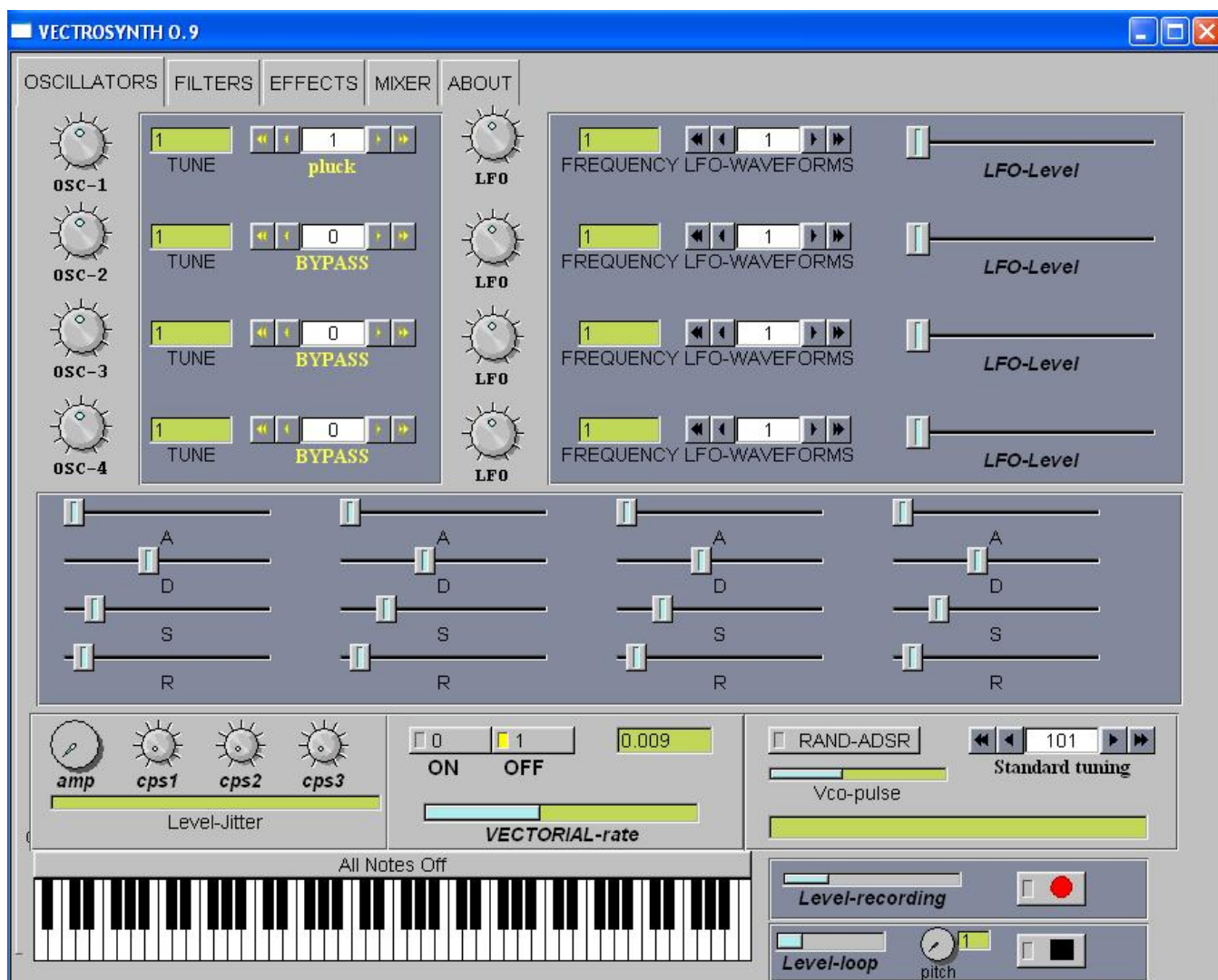


Vectrosynth
Version 0.91
1-2-2007
A Vectorial synthesizer for csound5.
by Giorgio Zucco
Released under the GPL license (see gpl.txt).

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(reverbse)
- 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!

special thanks to Dr.Richard Boulanger in order to have suggested to me Risset and Chowning preset!

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

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.