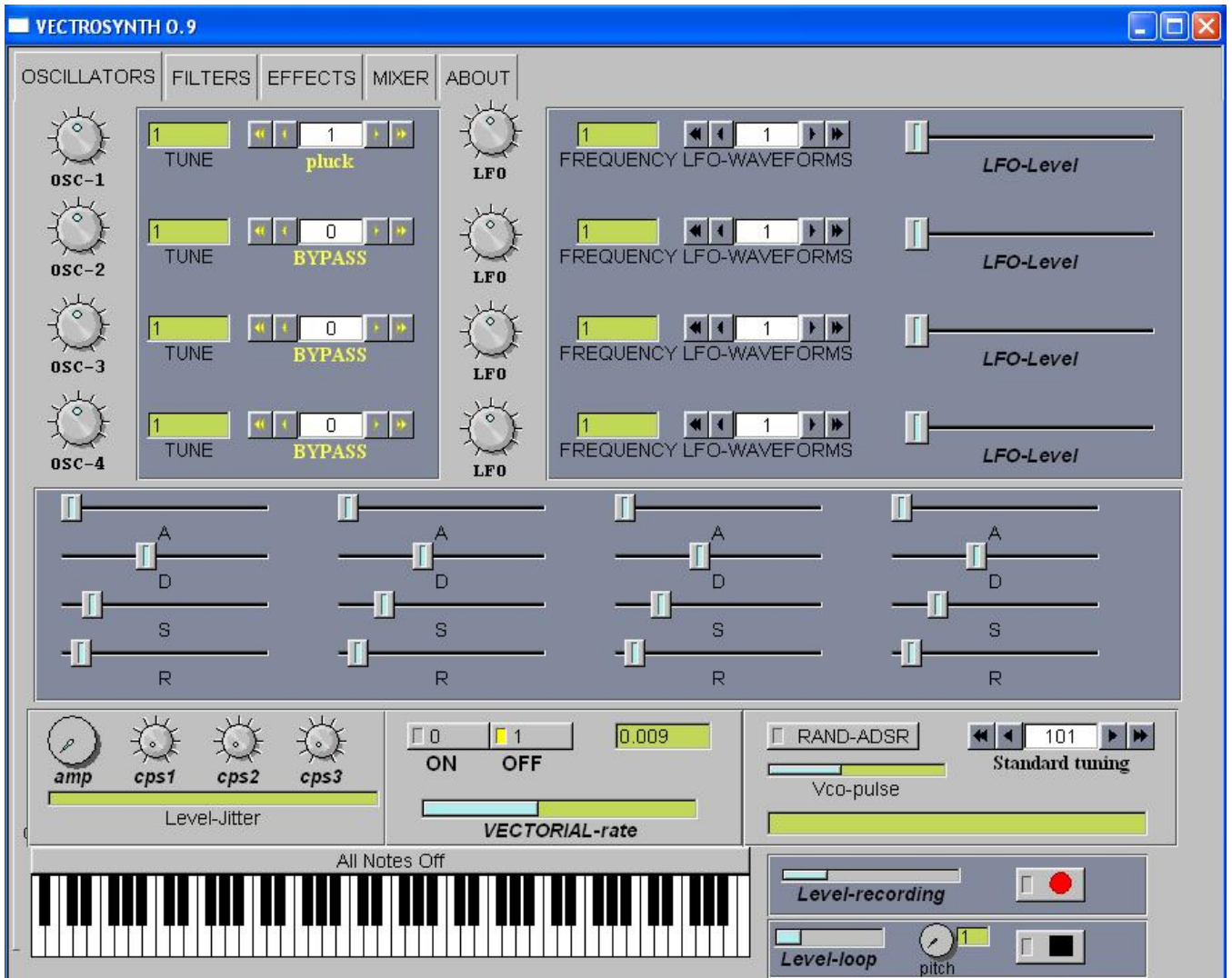


Vectrosynth
Version 0.91
1-2-2007
A Vectorial synthesizer for csound5.
by Giorgio Zucco
Released under the GPL license (see gpl.txt).

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 libraries 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

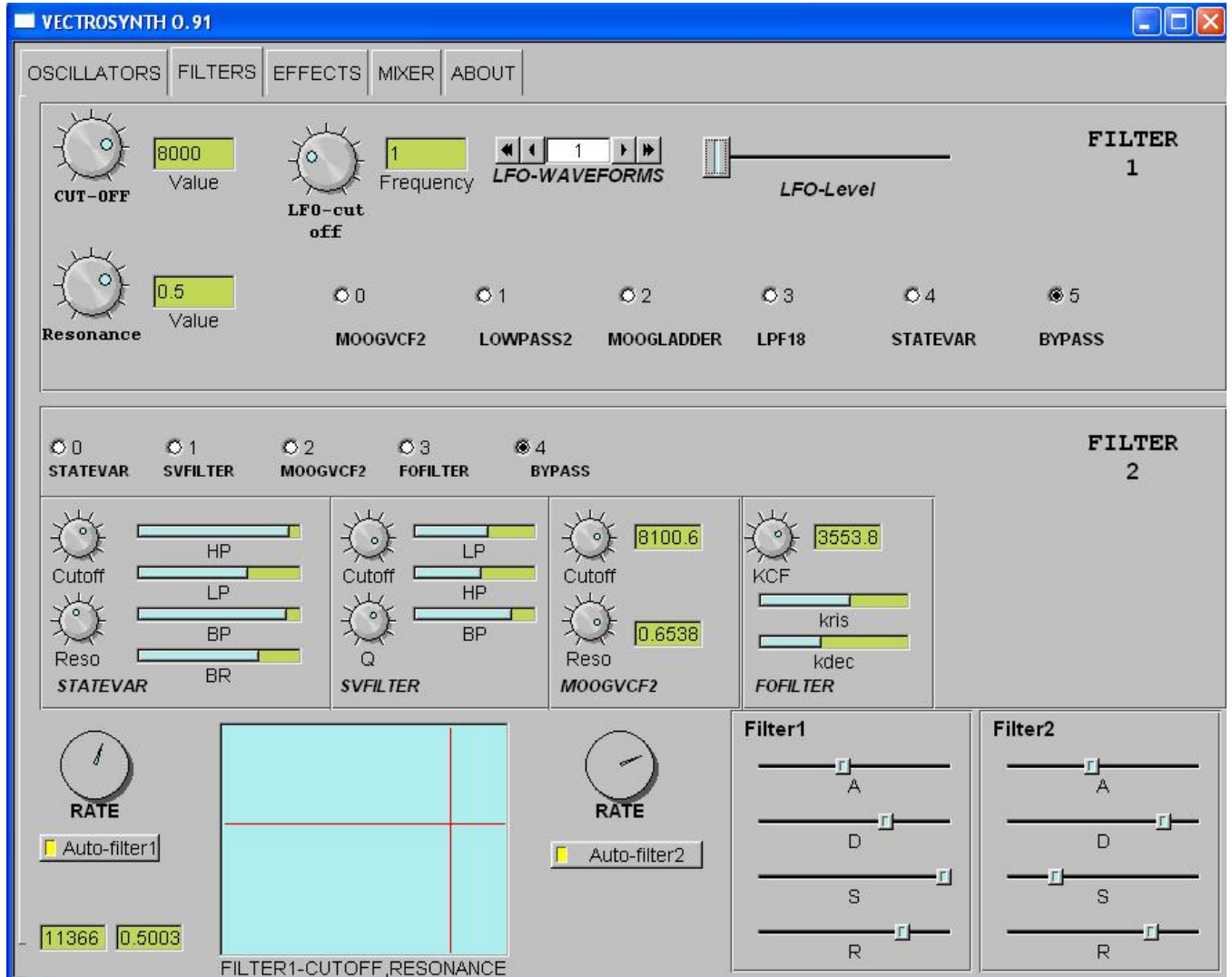
A pdf manual is work in progress,sorry :-)

for contacts,questions,send mail to:

giorgiobrx@libero.it

SCREENSHOTS :

Filters panel, effects panel, Mixer with Global reverb.



VECTROSYNTH 0.91

OSCILLATORS | FILTERS | EFFECTS | MIXER | ABOUT

0 1 2 3 4 5 FX1
FLANGER **RING-MOD** **PHASER** **DELAY** **TALKBOX** **BYPASS**

1 2 1
 Level Depth Rate
FLANGER

400 1
 HZ HZ-LFO
 Lfo-Waveform [1]
RING-MOD

1 1 800
 Level Lfo-Hz Mod
 lorder 1
PHASER

1 0.4
 Delay Decay
 Level
DELAY

1 1.5
 Level Rate
TALKBOX

0 1 2 3 4 5 6 7 8 FX2
CHORUS **ECHO** **VCOMB** **EQUALIZER** **STEPFL** **SPACE** **BYPASS**

1 2 1
 Level Depth Rate
CHORUS

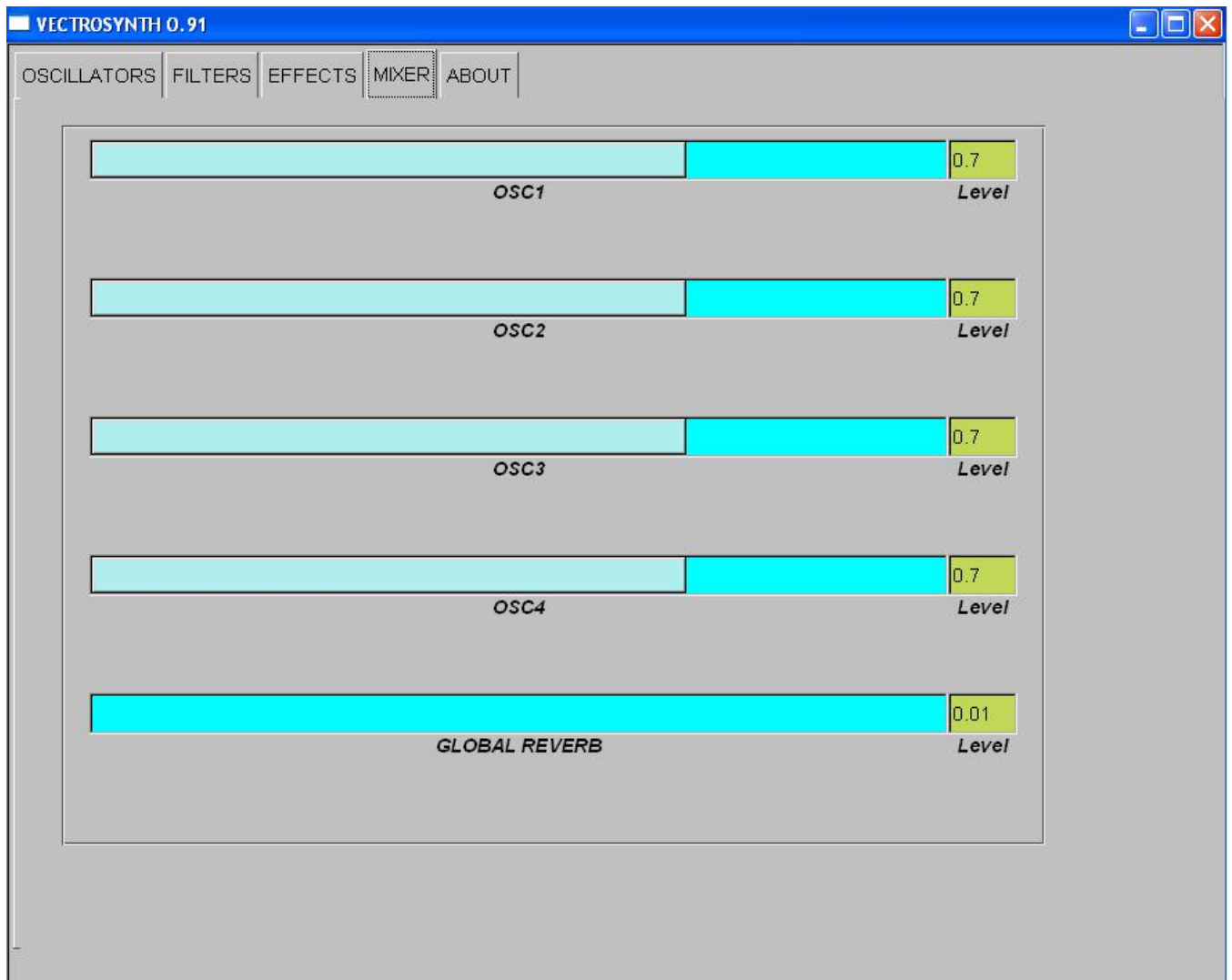
2 0.5
 DELAY ECHO
 LEVEL
 FILTER 7000
ECHO

Reverb-time
 Loop-time
 Max-loop-time
VCOMB

100 2 0.1
 kceq kveq Q
 Peaking
EQUALIZER

1 10 10
 Level Depth Rate
STEPFLANGER

RATE
 AUTO
SPACE



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.