

Vectrosynth
Version 0.9
1-2-2007
A Vectorial synthesizer for csound5.
by Giorgio Zucco
Released under the GPL license (see gpl.txt).

VECTROSYNTH 0.9 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 5.5 thanks to Fltk library;
Vectrosynth is :
1)4 oscillator with 44 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(14 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:

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

- 1) pluck
- 2) FM
- 3) Grain
- 4) Noise
- 5) Scanned
- 6) Vco-saw
- 7) Vco-square
- 8) Vco-saw2
- 9) Vco-square2
- 10) Vco-triangle
- 11) Hammond B3
- 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

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) Narsing tuning
- 14) Indian shruti

*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.