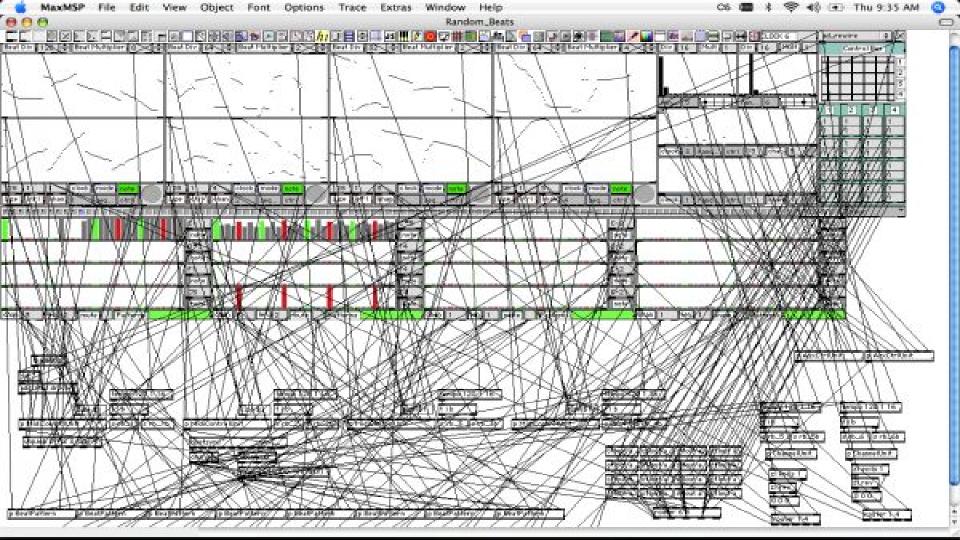
How to build a Yamaha DX7 with Go and SuperCollider

Personal Background

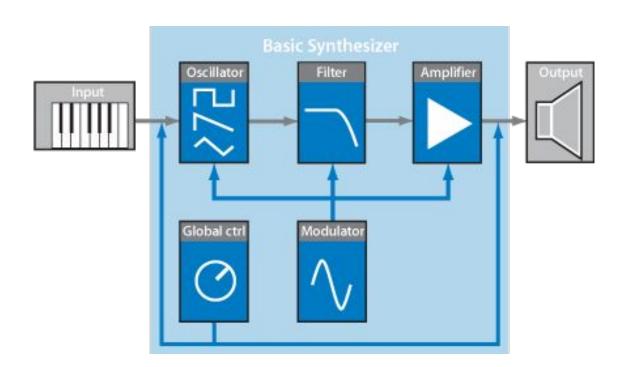
- DX7 was my first synthesizer.
- Released music, sound recordings.
- 2013 ChucK talk.
- Go engineer.



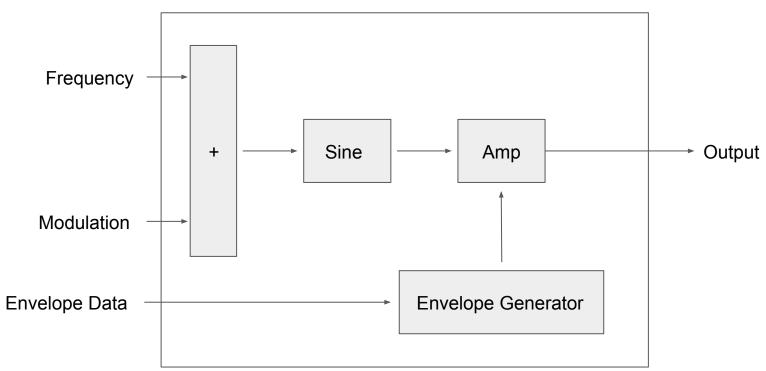


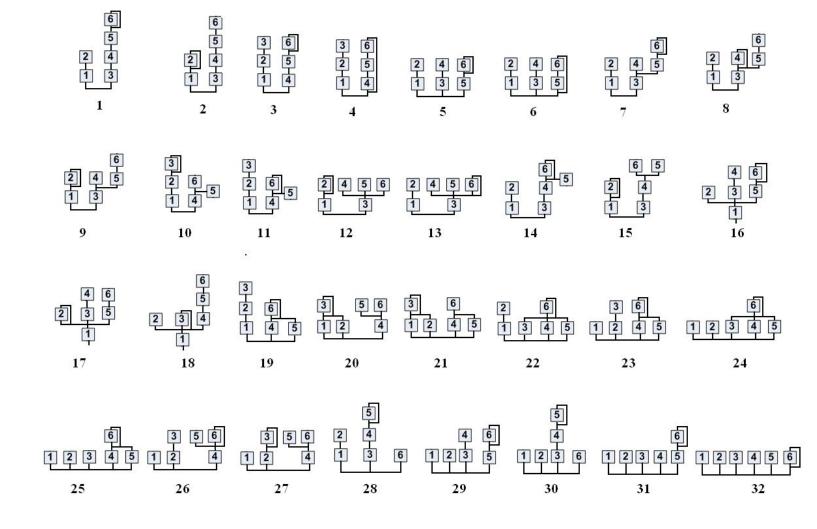
Synthesizers

- Oscillator (source)
- Modulator
 - Envelope
 - LFO
- Filter
 - o Lowpass, Highpass, Bandpass, Notch, Comb
- Amplifier
- Create new sounds by using various combinations of the above.



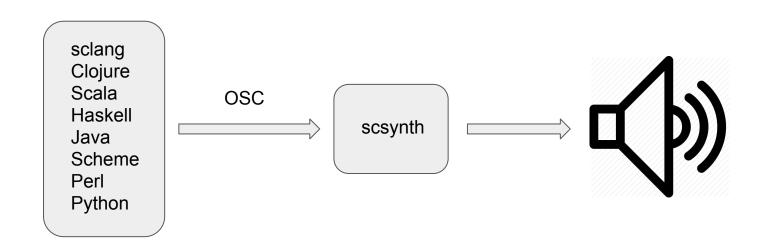
Operator





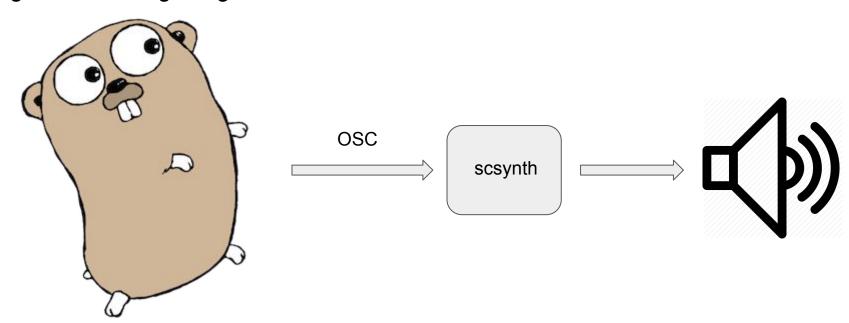
SuperCollider

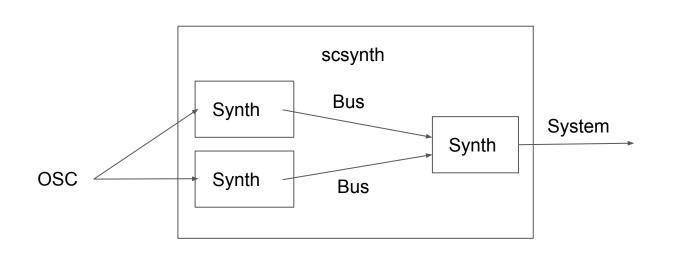
- Synth-O-Matic meets Pyrite
- Version 1 first purchase by John Bischoff
- Version 3 architecture

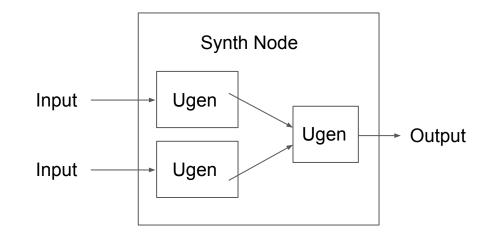




github.com/scgolang/sc







Links

- SuperCollider
 - Paper by James McCartney for ICMC 1996.
 - Announcement on comp.music.research in 1996.
 - http://doc.sccode.org
- Networked Resources for Collaborative Improvisation
 - Protocol build on top of OSC for live improvisation with computers.
- <u>FM Tone Generators and the Dawn of Home Music Production</u> (Yamaha)
- http://freesound.org/people/wjoojoo
- http://spoomusic.com/category/artists/wjoo-joo/