

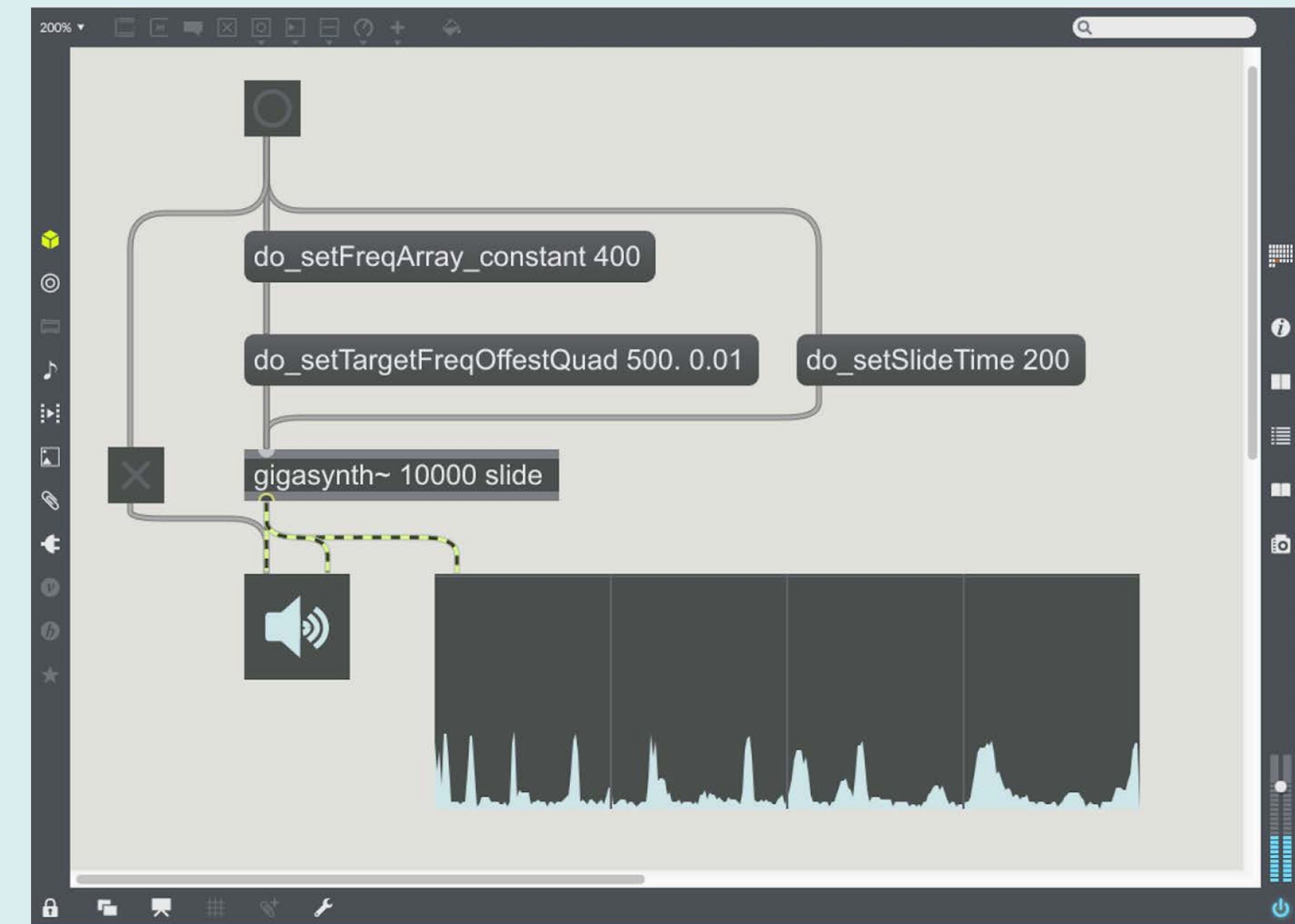


gigasynth~ (Team 11)

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Description & Purpose

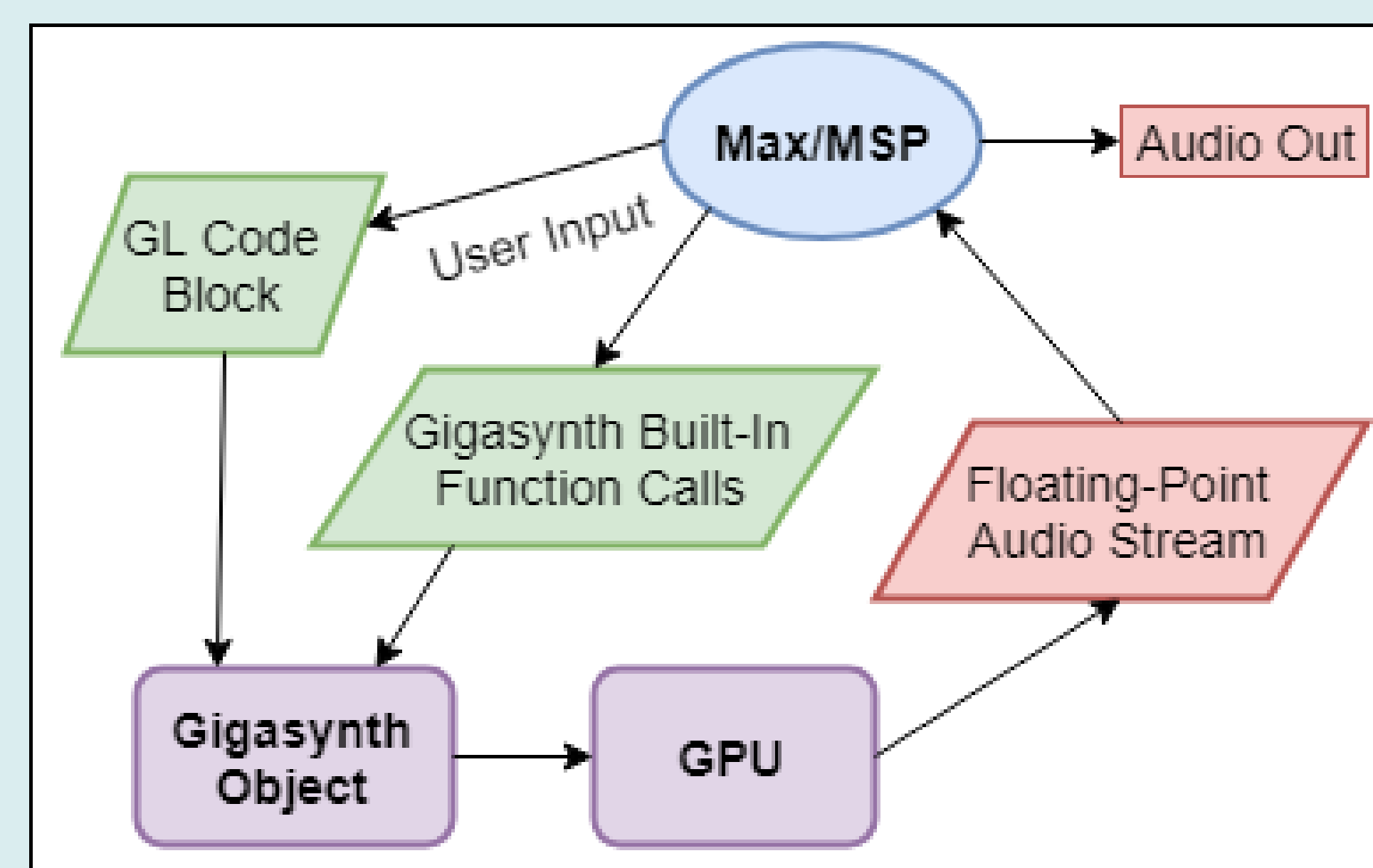
- A GPU accelerated synthesizer, enabling thousands of oscillators to be controlled simultaneously.
- CPUs are inefficient at parallel computations, limiting the number of oscillators able to be used at once in traditional digital synthesizers.
- The Result: a plugin for the Max/MSP digital audio software.



Running gigasynth~ inside of Max/MSP

Design

- A plugin for Max/MSP
- Control gigasynth~ via direct messages in Max or through Gigasynth Language (GL)
- Audio stream calculated on GPU and passed back to Max to play through speakers.



Ethical & Intellectual Property Issues

- Does not collect personal information
- Ad-Free
- Max/MSP's EULA allows for free and commercial plugins.
- All tooling licenses allow for free use