

Music 159 - FINAL

IDEAS

- Granulator using modal synthesis as generator, then x-synthesize the output with a input signal from the microphone
- Implement Matching pursuit in Max
- Implement Sound-types in Max
- Combine all the spectral transformations in a single tool with UI (eg. Equalizer + filter)
- Connect Max and Python: generate sounds with Sound-types and load them in Max, then perform granular synthesis on them. Use OSC protocol.
- Connect Max and Python: convolve a sound in Python then load it and apply spectral delay or other transformations (eg. Spectral filters)
- Implement granular synthesis in Python
- Implement spectral delay in Python
- Implement modal synthesis in Python