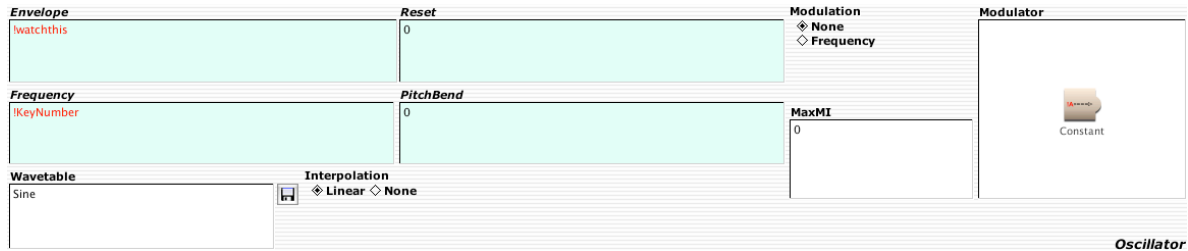


COMPOSITION: ELECTRONIC MEDIA II

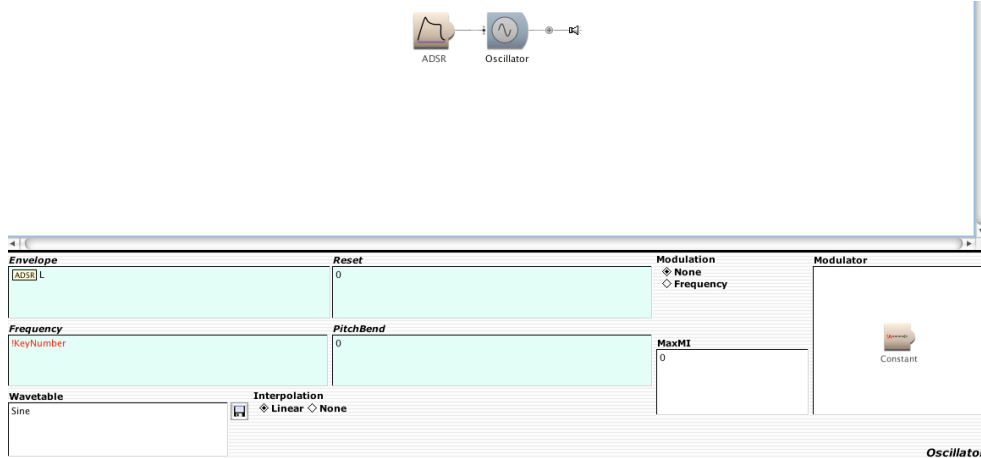
Feb. 6, 2006

A basic MIDI-controlled synthesizer in Kyma

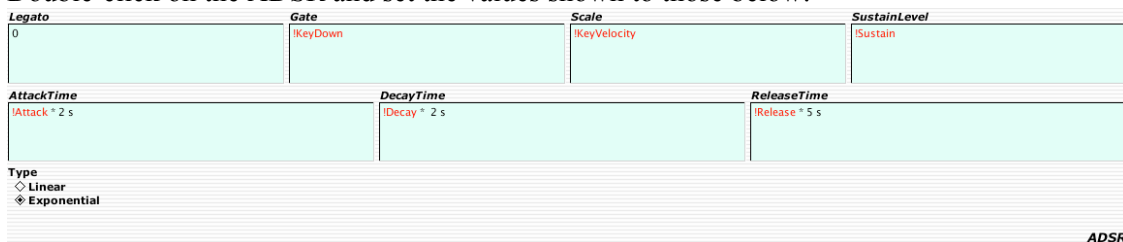
1. Prepare to build a synthesizer in Kyma as follows:
 - a. Power up the studio.
 - b. Bring up the desired faders.
 - c. Make sure the Fatar keyboard is on.
 - d. Launch Kyma.
 - e. Create a new Sound File.
2. Place an Oscillator into the Sound File window, double-click on it and set the parameters to the values shown below:



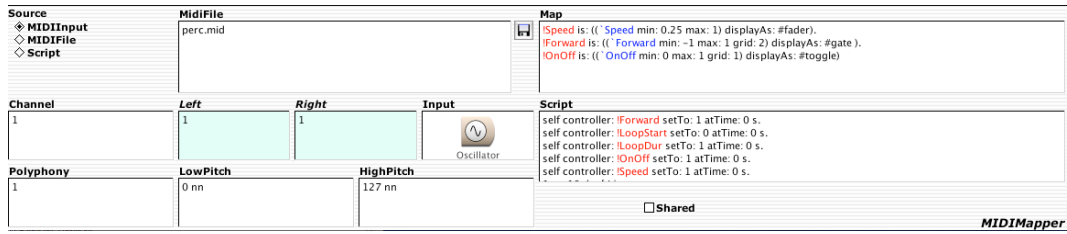
3. Discussion of envelope generators.
4. Place an ADSR envelope into the Oscillator as follows:
 - a. Find an ADSR Sound in the Prototypes window.
 - b. Copy the ADSR.
 - c. Paste the ADSR into the Oscillator Envelope parameter field.
 - d. Click on the white space to update the signal flow chart.
 - e. The screen should now look like this:



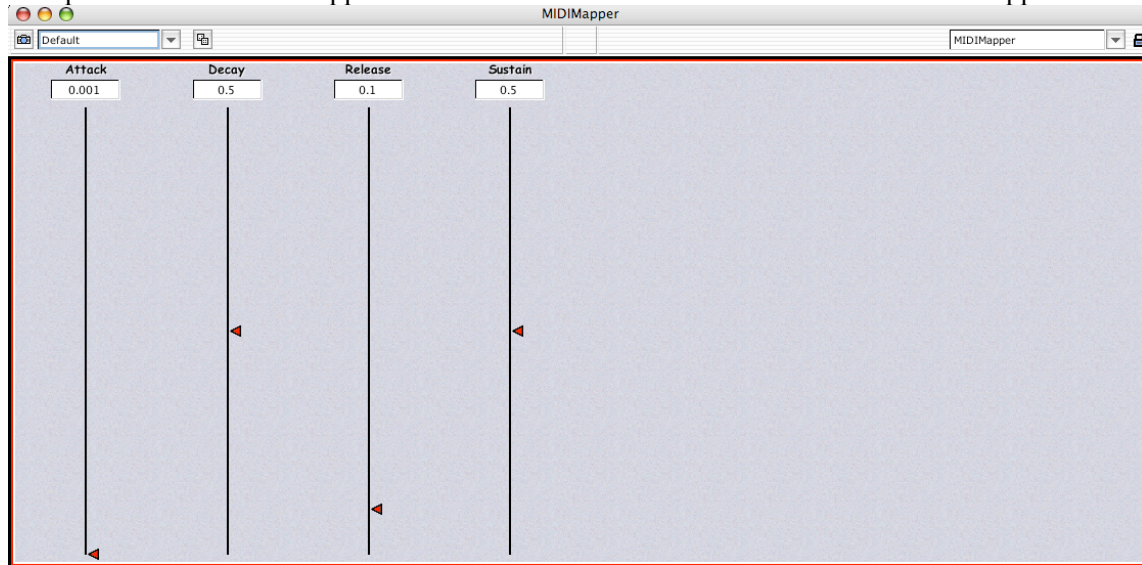
5. Double-click on the ADSR and set the values shown to those below:



- Place a MIDIMapper into the flow chart between the Oscillator and the speaker icon.
Note the values shown below:



- Discussion of **polyphony**, **LowPitch**, **HighPitch**, **nn**.
- Compile from the MIDIMapper. A Virtual Control Surface like the one below will appear:



- Experiment.
and have a nice day.