

Minim exercises

1. Install Minim 2.1.0 BETA on your machine.
2. Modify MinimPlayVis so that you visualise the sound in each channel as a filled circle whose diameter changes in proportion to the instantaneous amplitude of the sound.
3. See if you can find another Internet radio channel that you can play using the PlayInternetRadio sketch.
4. Modify the level sketch so that the sound level in each channel controls the colour of a rectangle rather than its size.
5. Modify SquareWaveSignal so that two square waves are sent to the AudioOutput. Make the second square wave one octave higher than the first with twice the amplitude.
6. Modify the Polyphony sketch so that the knobs have labels underneath them.
7. Modify UserDefinedSignal so that the waveform is no longer a sawtooth – you can make it any shape you like!
8. Study the constantExample example provided with the Minim library. Modify this program so that moving the mouse in the y dimension changes the amplitude of the wave.
9. Study the delayExample example provided with Minim. Experiment with using different waveforms for myBlip and changing the frequency, amplitude and waveform of the low frequency oscillator.