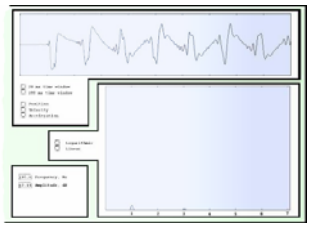
RealSimPLE:

PD



Installing PureData

The teacher's tutorial for installing PureData: a graphical programming environment for MIDI and audio data.

RealSimPLE lives on the web:

For high school: in Swedish and English http://www.speech.kth.se/realsimple

For college and university, in English: http://ccrma.stanford.edu/realsimple

Questions about RealSimPLE can be e-mailed
to nelsonapollolee@gmail.com or to hellmer@kth.se .

RealSimPLE - Reality and Simulations in a Pedagogical Learning Environment – is a collaborative research and development project involving KTH, Stanford University and the House of Science. It is supported through the Wallenberg Global Learning Network. www.wgln.org by the Knut and Alice Wallenberg Foundation.

Kungliga Tekniska Högskolan; School of Computer Science and Communication; Department of Speech, Music and Hearing. www.speech.kth.se

Stanford University, California, USA - Department of Music, Center for Computer Research in Music and Acoustics (CCRMA). http://ccrma.stanford.edu

House of Science, KTH Albanova, www.houseofscience.se

About PureData

PureData (abbreviated PD) is a graphical development environment for MIDI and audio data processing. To use RealSimPLE, you will need to download and install PureData. This is available on the web page http://www.puredata.org/downloads/. At the moment it does not matter if you choose to install PD or PD-extended.

Downloading the PD models

A model written in PD is known as a "patch". Each patch is stored as a small text file, with the filename extension ".pd". Create a RealSimple folder in your root directory (c:\realsimple) where you save the patches from the RealSimPLE website.

Do not place this folder on the Desktop, because such a folder will be copied to other machines with your roaming profile, if you have one.

Do not place this folder under Program Files, because users without administrator privileges cannot write to that location.

Making the Test CD

You can easily burn the CD yourself on any computer with a CD writer. The CD needs to have two tracks:

- 60 seconds full amplitude sine wave at 1 kHz
- 60 seconds full amplitude logarithmic frequency sweep (20 Hz—20 kHz)

Download the wave files from the RealSimPLE website.

Store the files in a temporary location and use your regular CD burner software to make an Audio CD with two tracks. Do not make a Data CD, as the CD player does not understand this format. You can delete the wave files, once the CD is finished.