

EIN KLEINER FILTER COMPILER

version 2.0

ein is a simple interface that makes it easy to implement digital filters process sounds and tinker with signal processing algorithms. . The results are converted to sound, and analyzed using the discrete Fourier transform. The interface was developed by Paul Lansky, using the filter compiler designed by Ken Steiglitz (see his ``Ein Kleiner Filter Compiler," Tech. Report CS-TR-279-90, Dept. of Computer Science, Princeton Univ., Aug. 1990). The syntax of **ein** scripts is basically a description of digital filter flow diagrams. It is essentially a scratchpad for dsp and is not meant to be a production tool.

Credits

The interface was designed by Paul Lansky, Music Department Princeton University
paul@silvertone.princeton.edu

The ein compiler was written by Kenneth Steiglitz, Department of Computer Science,
Princeton University
ken@cs.princeton.edu

The fft and spectral displays were taken from Edsnd, by James Pritchett, with work by
Steven M. Boker
jwp@silvertone.princeton.edu