

## **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  
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The ein compiler was written by Kenneth Steiglitz, Department of Computer Science,  
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The fft and spectral displays were taken from Edsnd, by James Pritchett, with work by  
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