Thanks for downloading the Freesound Plugin Bundle.

The Freesound bundle is a collection of VST/AAX/AU, Mac/Windows plugins that I have developed while teaching music programming at UCSD and Cal-Arts.

++chebyshev A distortion unit which uses several low-order chebyshev polynomials to add even or odd harmonic distortion. This can be used to make a sound gently saturated (3rd chebyshev polynomial), harshly distorted (7th chebyshev polynomial) or like a dying amplifier (2nd or 4th chebyshev polynomials).

++compand is a combined compressor/expander plugin. It has a softknee control as well as a switchable rms/peak level detector. It also has a variable width level detection window (response).

++decimate uses bit depth and sample rate reduction for added aliasing and decimation noise. A very noisy plugin. Useful for adding harshness, distortion and brightness to any sound.
++matrix is a mid-side to left-right encoder and decoder. for mid-side microphone arrays, but also useful when needing to apply effects to only the center or the sides of a stereo mix.

++phasor is a multistage phase shifter that has outputs for 360, 720, 1140 and 2880 phase shifting (1, 2, 4 and 8 notch). bandwidth, central frequency, feedback, and modulator parameters can be adjusted. This is a group of five plugins that I developed as class demonstrations while teaching computer music and studio techniques at UC San Diego, (and partially at CalArts).

The plugins are in AAX, VST, VST3, AU formats for macOS and VST for Windows. The macOS plugins are 32/64 bit universal binary. Windows plugins are available separately as 32 and 64 bit.

All plugins need to be moved into the proper plugin folders. Send any bug report to support@soundhack.com. These plugins are provided free without support. If you have any questions, ask an experienced friend.

Tom Erbe
Computer Music - UC San Diego - 2017