

## Hi Folks.

The CD4066 Analog Switch functions in the circuit below as a Dual Sawtooth Generator. The 1nF capacitors are charged by the 100K resistors and when the voltage on the capacitors reach 6V approximately the switches then close and rapidly discharge the capacitors thru the 47R resistors. The cycle then repeats itself ad infinitum and the resulting waveforms take the form of an exponential Sawtooth.

The fixed 1000 Hz sawtooth is fed to one earlobe and the variable 1001 to 1030 Hz sawtooth to the other. The desired difference frequency ( 1 to 30 Hz ) is what's felt on the earlobes.

See Saw.

*Ullmann*

