

Acoustics  
Chapter 5 Outline of Terms

Complex wave

Fourier's theorem

Amplitude spectrum, phase spectrum

Periodic signal, aperiodic signal

Line spectrum, continuous spectrum, envelope of a line spectrum

Fundamental frequency, harmonic frequency, overtones, partials

Noise, random signal

Examples of complex waves

sawtooth, 6 dB/octave, all harmonics

square, 6 dB/octave, odd harmonics

triangular, 12 dB/octave, odd harmonics

single pulse, pulse train

white noise, Gaussian noise

Relationship between peak amplitude and rms amplitude for complex waves

Signal to noise ratio