

Properties of Sound

Waveform view

Compression/Rarefaction over time

Period of the wave

Physical

Frequency

rate of vibration

Amplitude

amplitude measures the deviation in pressure of a sound wave

Spectrum

spectrum refers to the frequency content of a tone - specifically, the frequencies present and their relative amplitudes

Amplitude Envelope

the change of amplitude over time (function)

Perceptual

Pitch

related to frequency

Loudness

related to amplitude

Timbre

related to spectrum

Articulation

related to amplitude envelope

Rhythm

the organization of events happening in time