

Acoustics

Chapter 6, Outline of terms

Resonance

Mass, stiffness, resistance, damping, natural frequency, forced vibration

Filter and resonance curves

frequency-dependent reactance

narrowly tuned and broadly tuned systems

center frequency

Frequency selective systems: filters

center frequency, cut-off frequency

bandwidth

attenuation rate

low-pass, high-pass, band-pass, band-reject filters

amplitude spectrum, transfer function

constant bandwidth filter, constant percentage bandwidth filter, octave-band filter

pressure spectrum level, L_{PS}

white noise, pink noise