

Sound Characteristics

- Spatial Orientation
- Sonic Production

Sound Characteristics - Spatial Orientation

Position in Mix Field

- mono
- stereo
- surround 5.1
- surround 7.1
- 10.1 and beyond

Sound Characteristics - Spatial Orientation

Environment Characteristics (Actual or Simulated)

- acoustics - dimension (size and shape)
- acoustics - material construction
- background - environment sounds
- background - noise floor

Sound Characteristics - Spatial Orientation

What is the context of culture
and personal experience?

Sound Characteristics - Sonic Production

Acoustic

- live performance from acoustic source in an acoustic space

Sound Characteristics - Sonic Production

Recording

(characteristics)

- formats - digital
- formats - analog tape
- formats - analog phonograph
- formats - early
- components - microphones
- components - pre-amps
- components - outboard processing

Sound Characteristics - Sonic Production

Playback (characteristics)

- component quality - fidelity
- component characteristics
- room acoustics
- environment sounds
- noise floor

Sound Characteristics - Sonic Production

DSP

(Digital Signal Processing)

- reverb
- delay
- chorus
- flanger

Sound Characteristics - Sonic Production

Space Designer

(Convolution Verb)

- uses real life environments to generate reverb
- impulse response - sampled environment
- technique - spectrum analysis of input
- demonstration

Sound Characteristics - Sonic Production

Delay

- tape delay
- stereo delay
- multi-tap delay

Sound Characteristics - Sonic Production

Modulation Effects

- chorus
- flanger