**Some of the factors that affect the degree/type of presence experienced with music**

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**Recording characteristics:**

Busy vs. sparse instrumentation

Electric / Electronic vs. acoustic Instruments

MIDI Sequencing (computer plays) vs. human musicians

Wide Stereo vs. mono (center panning) image

Amount of reverb

Amount of (covert) special effects

Clean vs. noisy sound

Controlled vs. uncontrolled sound

Energy level

One-way vs. interactive performance

Perfect vs. imperfect performances

Quality vs. fun

Recorded on location vs. in studio

Real time performance vs. overdubbing

Bright vs. warm equalization

**Listening environment characteristics:**

Volume

Headphone vs. speakers

Lighting

External noise (distractions)

Room acoustics

Sound quality – dynamic range, bandwidth

Number of channels

Number and roles of people

Setting – mobile vs. stationary, size, inside/outside

**Listener characteristics:**

Mood and mind altering substances

Emotional state

Personal memories, similar experiences, etc. related to music

Physical health and energy level, wakefulness

Personal preferences for genre, artist, and ideologies re: lyrics, etc.

Familiarity (previous exposure)

Knowledge about music, artist, etc.

Age, gender, ethnicity, culture