presence and emotions

John Waterworth
Presence and emotion

• Tend to go together

• More presence $\rightarrow$ stronger emotional response
• More emotion $\rightarrow$ increased likelihood of strong presence
  – Iff emotion aroused by external situation/events
Circumplex model of Emotion (from Russell, 1980)
Altered embodiment

Altered Embodiment
I am in this body, but I have changed senses +/- or motor systems

Changed motoric abilities in The Exploratorium:

The Body Joystick (economical wireless vest)

Navigation by leaning the body and breathing (measures spine orientation and upper chest size)

For mental and physical rehabilitation

Control of robotic devices
The Exploratorium

Different zones elicit different emotions
Moving between zones changes mood

HIGH VALENCE (pleasant)
paradiso

LOW AROUSAL (calm)
purgatorio

LOW VALENCE (unpleasant)
inferno

HIGH AROUSAL (excited)

Inferno
Purgatorio
Paradiso

Mean
Valence
Arousal

Different zones elicit different emotions
Moving between zones changes mood