ENABLING EXPRESSION

Music as Ultimate Human Interface

Tod Machover
MIT Media Lab
Mozart Effect
Mozart Effect
New Sounds, Concepts, Tools & Technologies for:

• Virtuosi
• Music Lovers
• Kids
Hyperinstruments
Brain Opera

Harmonic Driving
Singing Tree

Gesture Wall
Melody Easel

House of Music, Vienna
Music, Mind & Health
Tewksbury Hospital
Adam Boulanger  Dan Ellsey
Enabling Musical Expression

Performance:
- IR Head Tracker Camera System

Continuous Data Analysis:
- Range of Motion
- Velocity
- Curve Detection

Mapping to Expressive Control

Composition:
- IR Head Tracker Camera System

Hyperscore

Software Synthesizer

Audio Output
• Culmination of over 15 years!
• Everyone can compose
• Line & Color
• No need for music theory, notation
• Converts Hyperscore into “music” (to be played by live musicians)
• Converts music into Hyperscore
• Developed and distributed by Harmony Line Inc.

http://www.hyperscore.com