



Exploring Meaning and Intention in Conducting

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Introduction

- Music Conducting is a long-standing area of study
- Gestural, Artistic, Communicative
- Combines formal “syntax” with intangibles: emotion, expression, etc.
- Applications in: games, entertainment, music synthesis, education, museums

Methods

- Interviews
- Video and Audio Recording
- eWatch accelerometers



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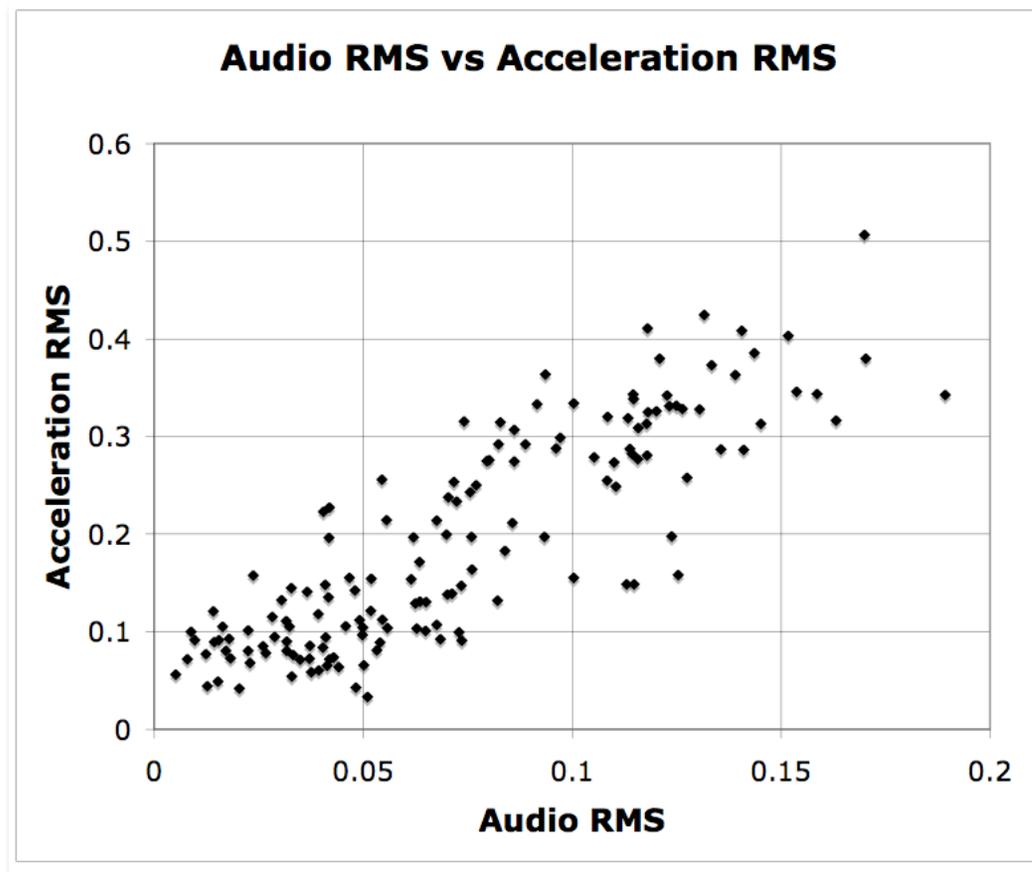


CreativeIT PI Meeting

Findings

- Conductors reference behaviors learned in rehearsal
- Attention, focus, problem solving, eye contact
- The beat is often secondary or irrelevant
- Conductor's and Musician's concepts are not always in agreement with each other or with observable data.

Size of Gesture \propto Loudness



Future Work

- Continue to explore human-computer musical interaction
 - Acquire beats from tapping
 - ... also from musical signals
 - Synchronization and cueing
 - Interfaces for communication during musical performances
 - Gesture sensing: video, inertial tracking, ...