

Ways of Making People Move

composing, mapping and interpreting using live generation of augmented musical scores

Composition in the 21st Century Trinity College, Dublin March 2014

Richard Hoadley Digital Performance Laboratory Anglia Ruskin University







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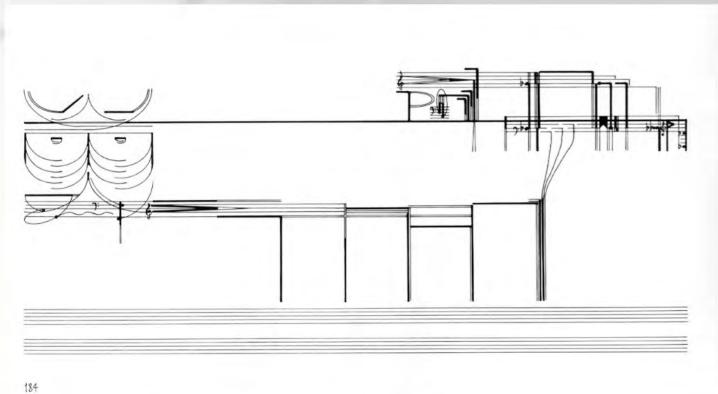


Notation is a way of making people move. If you lack others, like aggression or persuasion. The notation should do it. This is the most rewarding aspect of work on a notation. Trouble is: Just as you find your sounds are too alien, intended 'for a different culture', you make the same discovery about your beautiful notation: no-one is willing to understand it. No-one moves.





Cornelius Cardew, from Treatise Handbook, 1971



Three Streams

Number of Congressions

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algorithms (patterns)
physicality (via microprocessors, etc.)
representation (notation)

(representing musical composition and performance)

Notation/representation



Richard Hoadley

Four Archetypes, 1995



Notation

- complex semantic and graphic 'language'
- not really suited to non-specialised environments
- many challenges in electronic implementation and display

Why?

Dots and signals

Making processing, in the way that this community uses it, denotes the processing of multi-information, which is stored in its structured symbolic musical identities. The term imake processing implies a difference from the signal processing community, in that it is does not deal with sound as the source moterial for investigation, but deals, with mound as one mode as inflaved online the stored in a wide thin and is a consecuent of the source of t

Carola Boehm, Book Review, Organised Sound 7(1): 79-82, 2002

- to unify dots and signals: enriching electronic music with live performance and algorithmic patterning [quote]
- to investigate links between 'technologies' and approaches: mapping between domains: algorithm and physical gesture into live notation: understanding which gestures have 'meaning' and which don't
- utilising all that muscle memory; investigating liveness in music performance and improvisation
- to learn about and analyse compositional processes through automation
- ...as a consequence and to clarify, it's a technique and a tool, just as these compositions are both pieces and experiments

The tools...

provide a structure for the generation of music and/or common practice notation (plus) according to stylistic rules

facilitate communication between SuperCollider and INScore (Dominique Fober, Grame)

http://supercollider.sourceforge.net/





http://inscore.sourceforge.net/

http://rhoadley.net/inscore (from April 2014)

eventually, maybe, offer the beginnings of a more standard interface for physical mapping

Performances



















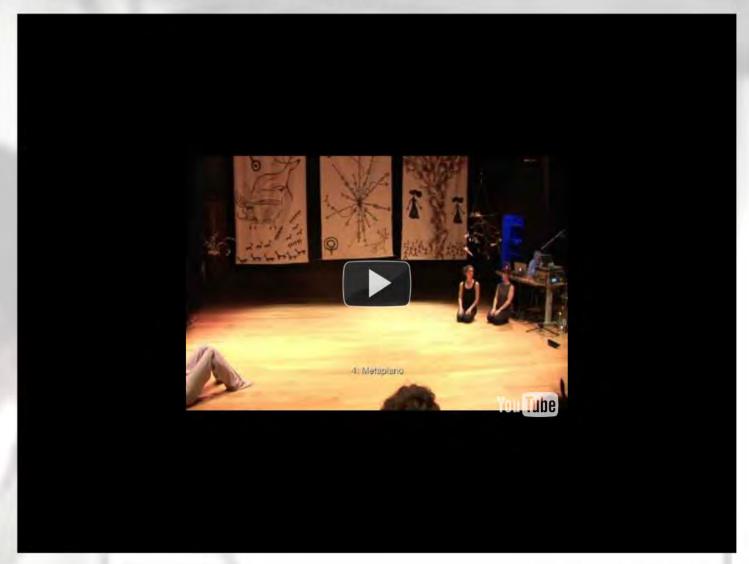
[to display, or not to display, the notation?]

Gaggle @ Museums, interfaces, spaces, technologies, 2010



www.youtube.com/watch?v=FroFT1vHU0

Triggered, Kings Place, London, 2011



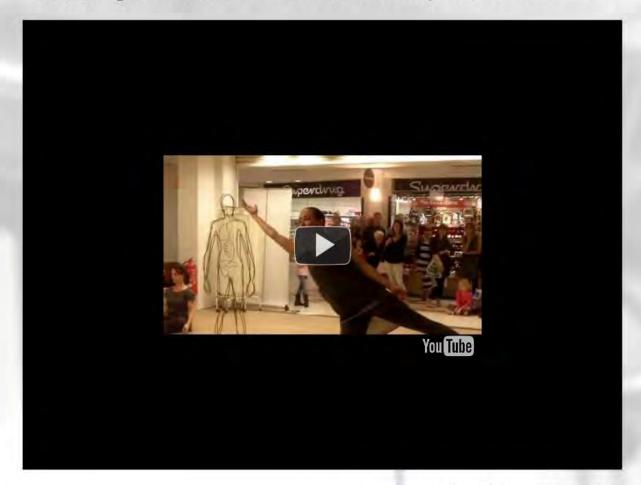
www.youtube.com/watch?v=W3vnuA3torc

The Fluxus Tree, LIPAM, Leeds, September 2012



www.youtube.com/watch?v=wH0mjb-jf8Q

Quantum² Canticorum, Sensations Festival, Empty Shop, Meadows Shopping Centre, Chelmsford, Saturday September 28th 2013



www.youtube.com/watch?v=-mq6ejdP0hg

Quantum² Canticorum, Deptford Town Hall, London, Friday 18th October 2013



Peer comment and criticism

- machine musicianship as a compelling reason for using real-time notation
- concern over possible difficulties in keeping track of one's place in the score
- concern over the feasibility of an 'accurate' and structured rendition
- concern over lack of rehearsal, familiarity and even the status of the performer
- concern over the 'fetishisation' of the notation (when displayed)
- concern over the dancer being 'caged' by the 'cone of the Kinect'

> musicians involved generally do not agree with many of these comments

Forthcoming Performances

Live Algorithms Symposium Goldsmiths, University of London, April 2nd 2014

Quantum2 Canticorum, 1300, Mumford Theatre, Cambridge, April 4th 2014

Demonstration



Thank you

any questions?

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this presentation is available at http://rhoadley.net/presentations