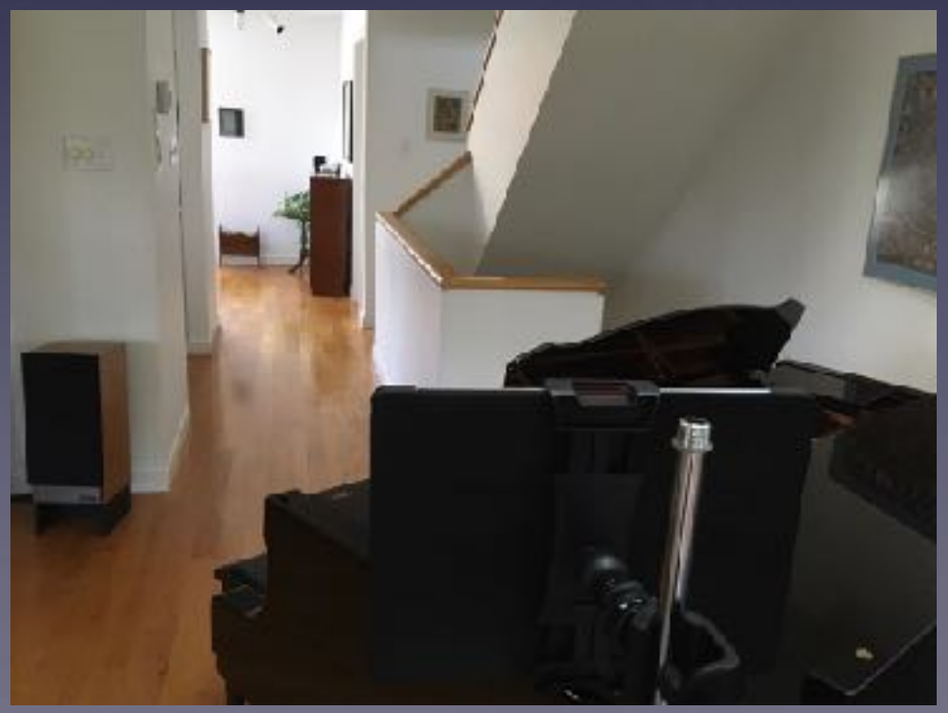
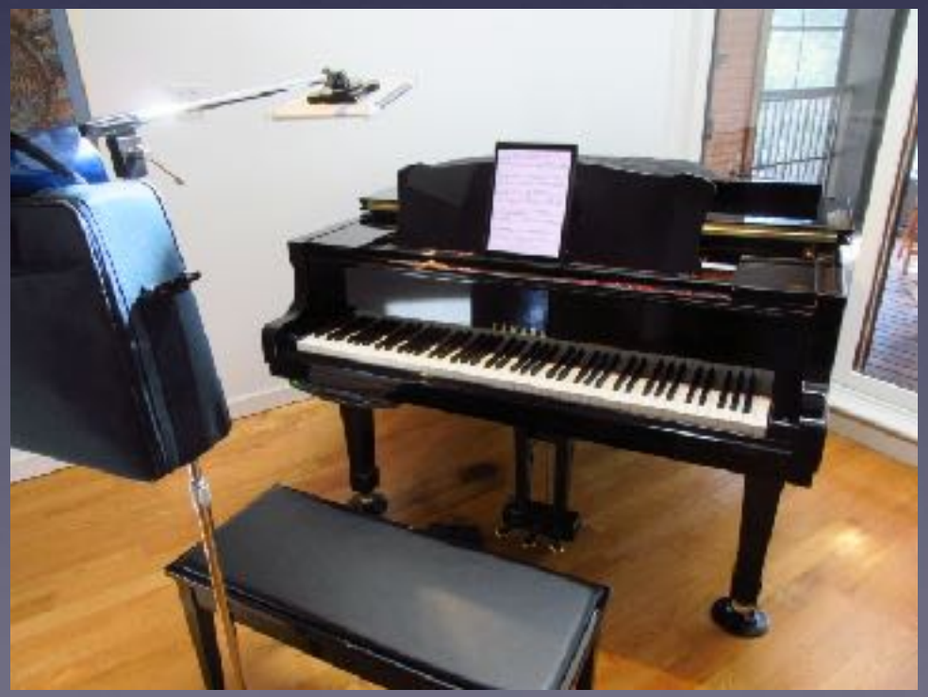
Multi-Camera Recording of Piano Performance

David Rhynas

Different Video Angles



Different Video Angles



MIDI

Musical Instrument Data Interchange

- Data protocol that allows electronic instruments and other digital musical tools to communicate with each other
- No sound, just a series of messages like *note on*, *note velocity*, *note off*
- Advantages: compact files, easy to modify, can change instruments

- Software developed at the Institute of Mathematics of Toulouse, France
- First *virtual* piano where the sound is computed using a detailed physical model involving the hammers, strings and soundboard
- Simulates acoustic pianos (from historical to contemporary), electric pianos and chromatic percussions

Pianoteq v5.8.1

0% 00:00.0 x1 Beethoven 7th Allegretto Sept 19.mid 25

PIANOTEQ 5 STD

TRUE MODELLING

Options Help

D4 Classical Recording AB (modified)

Random A B

Top view

Front view

2

1

COMPENSATION

ON LEVEL

ON DELAY

Stereo width

Sound speed

1 U87-fig8

2 U87-fig8

3 omni

4 omni

5 omni

OUTPUT 1

OUTPUT 2

OUTPUT 3

OUTPUT 4

OUTPUT 5

MODE

MIC.

BINAURAL

EXIT

D

Video Editing Software

- Apple iMovie is sufficient for this sort of project
- Apple Final Cut Pro might speed up the process, as will be explained
- Key consideration is to synchronize the audio tracks and then mute all except the master Pianoteq track

Projects

Beethoven Allegretto

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PROJECT MEDIA

Beethoven Allegretto

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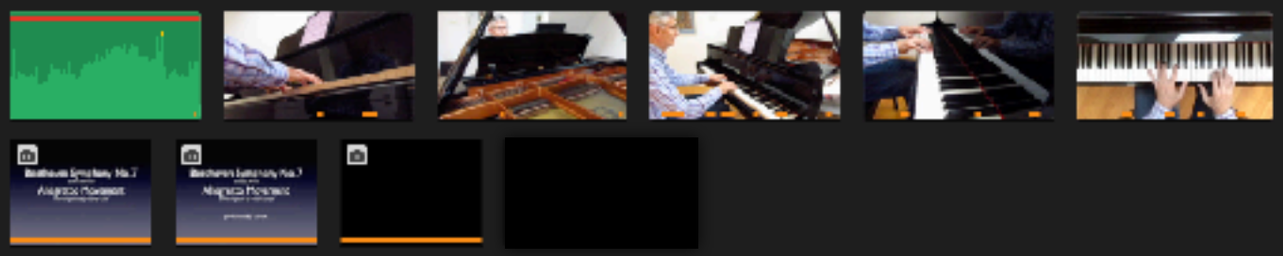
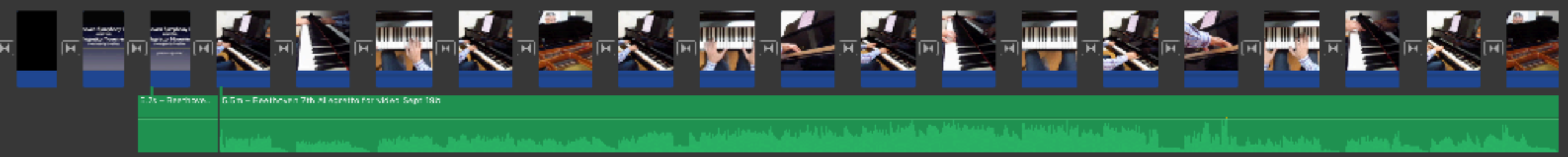


0:36 / 5:47

Settings



One More Example