

MUS2006 26.August 2016

Music and Body Movements

Mari Romarheim Haugen



UiO : **Department of Musicology**
University of Oslo

Massive Open Online Course (MOOC): **Music Moves**

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FREE ONLINE COURSE

Music Moves: Why Does Music Make You Move?

Learn about the psychology of music and movement, and how researchers study music-related movements, with this free online course.

Join now – starts 5 Sep

FREE online course Duration: 6 weeks 3 hours pw Certificates available Support

<https://www.futurelearn.com/courses/music-moves>



Massive Open Online Course (MOOC): **Music Moves**

ABOUT THE COURSE

Music is movement. A bold statement, but one that we will explore together in this free online course.

Together we will study music through different types of body movement. This includes everything from the sound-producing keyboard actions of a pianist to the energetic dance moves in a club.

You will learn about the theoretical foundations for what we call embodied music cognition and why body movement is crucial for how we experience the emotional moods in music. We will also explore different research methods used at universities and conservatories. These include advanced motion capture systems and sound analysis methods.

You will be guided by a group of music researchers from the University of Oslo, with musical examples from four professional musicians. The course is rich in high-quality text, images, video, audio and interactive elements.

Join us to learn more about terms such as entrainment and musical metaphors, and why it is difficult to sit still when you experience a good groove.

START DATES



5 Sep 2016
UPCOMING

[Join](#)



TBA [Register interest](#)
DATE TO BE ANNOUNCED

EDUCATORS



Alexander Refsum
Jensenius



Hans T. Zeiner-
Henriksen



Kristian Nymoen



Mari Romarheim Haugen

Support

<https://www.futurelearn.com/courses/music-moves>





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■ MUS2006

MUS2006 - Music and body movements

Course description

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Schedule, syllabus and examination date

Choose semester

- [Autumn 2016](#)
- [Spring 2015](#)
- [Spring 2014](#)
- [Spring 2013](#)

[Show previous semesters](#)

Facts about this course

Credits

10

Level

Bachelor

Teaching

Every autumn

Examination

Every autumn

Teaching language

English

Contact

[Department of Musicology](#)



Teachers

- **Mari Romarheim Haugen (MRH)** - IMV, UiO
- **Hans T. Zeiner-Henriksen (HTZH)** - IMV, UiO (MOOC)
- **Kristian Nymoen (KN)** - IMV, UiO (MOOC)
- **Hallgjerd Aksnes (HA)** - IMV, UiO
- **Sofia Dahl (SD)** - IMV, UiO + Aalborg University, Denmark



Schedule

26.08 Introduction (MRH/HTZH)

02.09 Music and motion (MRH)

09.09 MOOC week 1. Historical overview (HTZH)

16.09 MOOC week 2. Perception and cognition (MRH)

23.09 MOOC week 3. Multimodality/Motion capture (KN)

30.09 MOOC week 4. Pulse and perceivers (HTZH)

07.10 MOOC week 5. Groove and body motion (MRH)

14.10 MOOC week 6. Music and emotion (HA)

21.10 Expressiveness of performers' body movements (SD)

28.10 Music and dance (MRH)

04.11 Seminar presentations

11.11 Seminar presentations



Syllabus

Massive open online course (MOOC)

- Articles on [Music Moves](#).

Books

- Godøy, Rolf Inge og Leman, Marc: *Musical Gestures: Sound, Movement, and Meaning*, 2010. Routledge. ISBN: 978-0-415-99887-1. 320 pages.

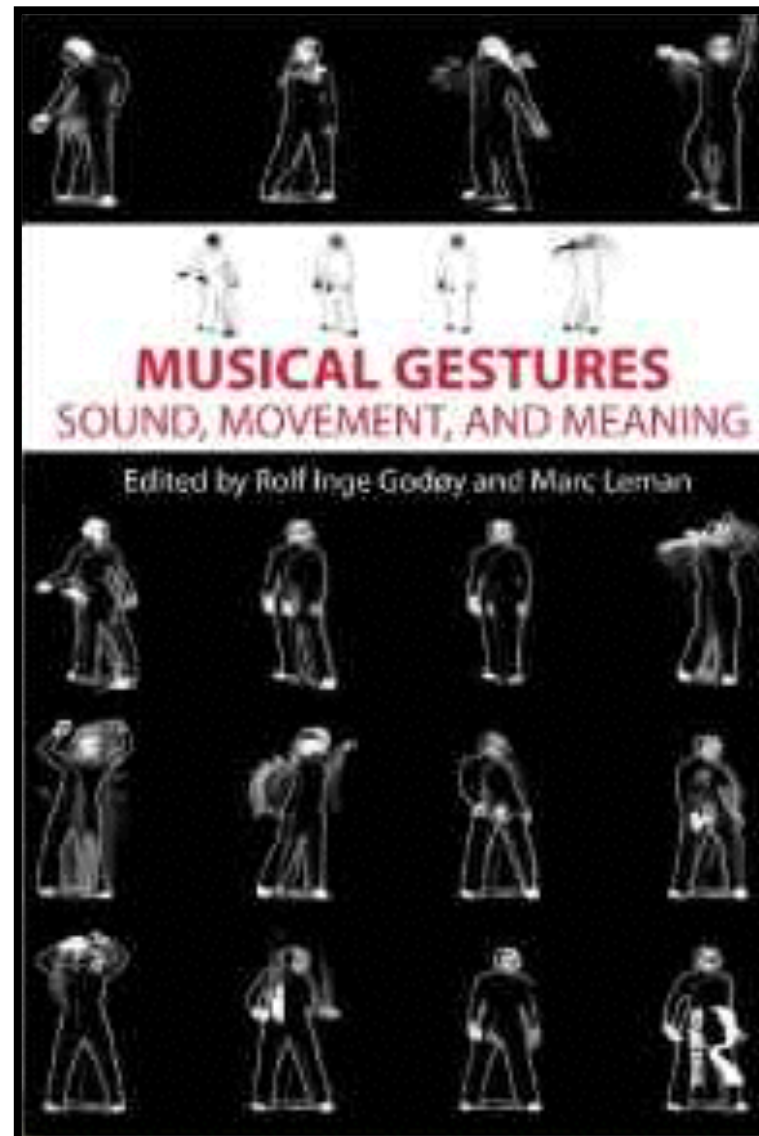
Chapters/articles (available online)

- Burger, B. & Toiviainen, P. (2013). MoCap Toolbox – A Matlab toolbox for computational analysis of movement data. In R. Bresin (Ed.), Proceedings of the 10th Sound and Music Computing Conference, (SMC). Stockholm, Sweden: KTH Royal Institute of Technology
- Haugen, M. R. (2016): Music-Dance. Investigating Rhythm Structures in Brazilian Samba and Norwegian Telespringar Performance. [Chapter 2](#) and [bibliography](#).
- Nymoen, Kristian, Skogstad, Ståle A., Jensenius, Alexander Refsum (2011): "SoundSaber - A Motion Capture Instrument" i *Proceedings of the Interational Conference on New Interfaces for Musical Expression*, pp. 312-315.
- Nymoen, Kristian (2013): Methods and Technologies for Analysing Links Between Musical Sound and Body Motion. Chapters [3-4](#)
- Zeiner-Henriksen, Hans T. (2009): The "PoumTchak" Pattern: Correspondences Between Rhythm, Sound, and Movement in Electronic Dance Music. [Chapter 4](#) and [bibliography](#)

Optional reading

- Aksnes, Hallgjerd (2003): Perspectives of Musical Meaning. A Study Based on Selected Works by Geirr Tveitt. Chapter. 8.
- Engelsrud, Gunn: *Hva er kropp*, 2006. Oslo: Universitetsforlaget. ISBN: 978-82-15-00785-4, h., 82-15-00785-6, h. 154 s.
- Gambetta, C. L. (2005). Conducting Outside the Box: Creating a Fresh Approach to Conducting Gesture Through the Principles of Laban Movement Analysis. PhD thesis, The University of North Carolina at Greensboro, Greensboro, NC.
- Godøy, Rolf Inge (2009): *Geometry and Effort in Gestural Renderings of Musical Sound*. I M. Sales Dias et al. (Eds.): GW 2007, LNAI 5085, pp. 205–215, 2009. [PDF](#)
- Gritten, Anthony og King, Elaine (red.): *Music and Gesture*, 2006. Aldershot: Ashgate. ISBN: 0-7546-5298-x, ib. 232 s.
- Jensenius, Alexander Refsum: *Musikk og bevegelse*, 2009. Unipub. ISBN: 9788274773691. 156 sider.
- Leman, Marc: *Embodied music cognition and mediation technology*, 2008. Cambridge, Mass.: MIT Press. ISBN: 978-0-262-12293-1, ib. 296 s.
- Mazzola, G. (2011). Musical Performance - A Comprehensive Approach: Theory, Analytical Tools, and Case Studies
- Zeiner-Henriksen, Hans T. (2009): The "PoumTchak" Pattern: Correspondences Between Rhythm, Sound, and Movement in Electronic Dance Music!. PhD thesis, The University of Oslo





Godøy, Rolf Inge og Leman, Marc: *Musical Gestures: Sound, Movement, and Meaning*, 2010. Routledge.



Mandatory assignments and term paper

- ◆ Music Move
 - Group assignment
- ◆ One obligatory assignment
- ◆ Seminar presentation
- ◆ Term paper — *Submission deadline: **21. November at 13.00.***





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Semester page for MUS2006 - Høst 2016

[Schedule](#)



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requirements](#)



Contact

[Department of Musicology](#)

Teachers

- [Mari Romarheim
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- [Sofia Dahl](#)

Fronter



Writing task

“Micro writing”



Writing task

The piano



Writing task 2

Your expectations for this course



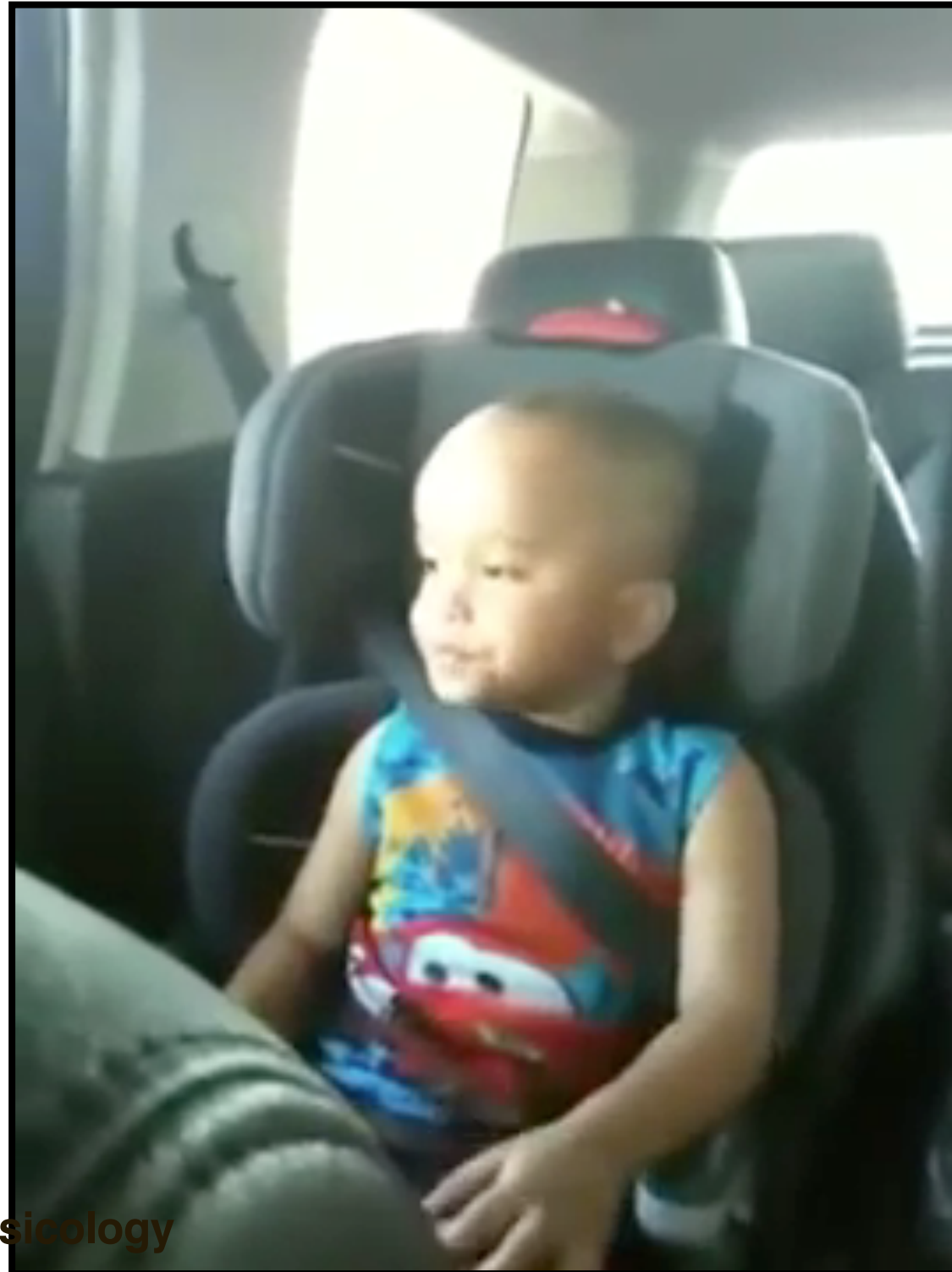
Correspondences between music and body motion



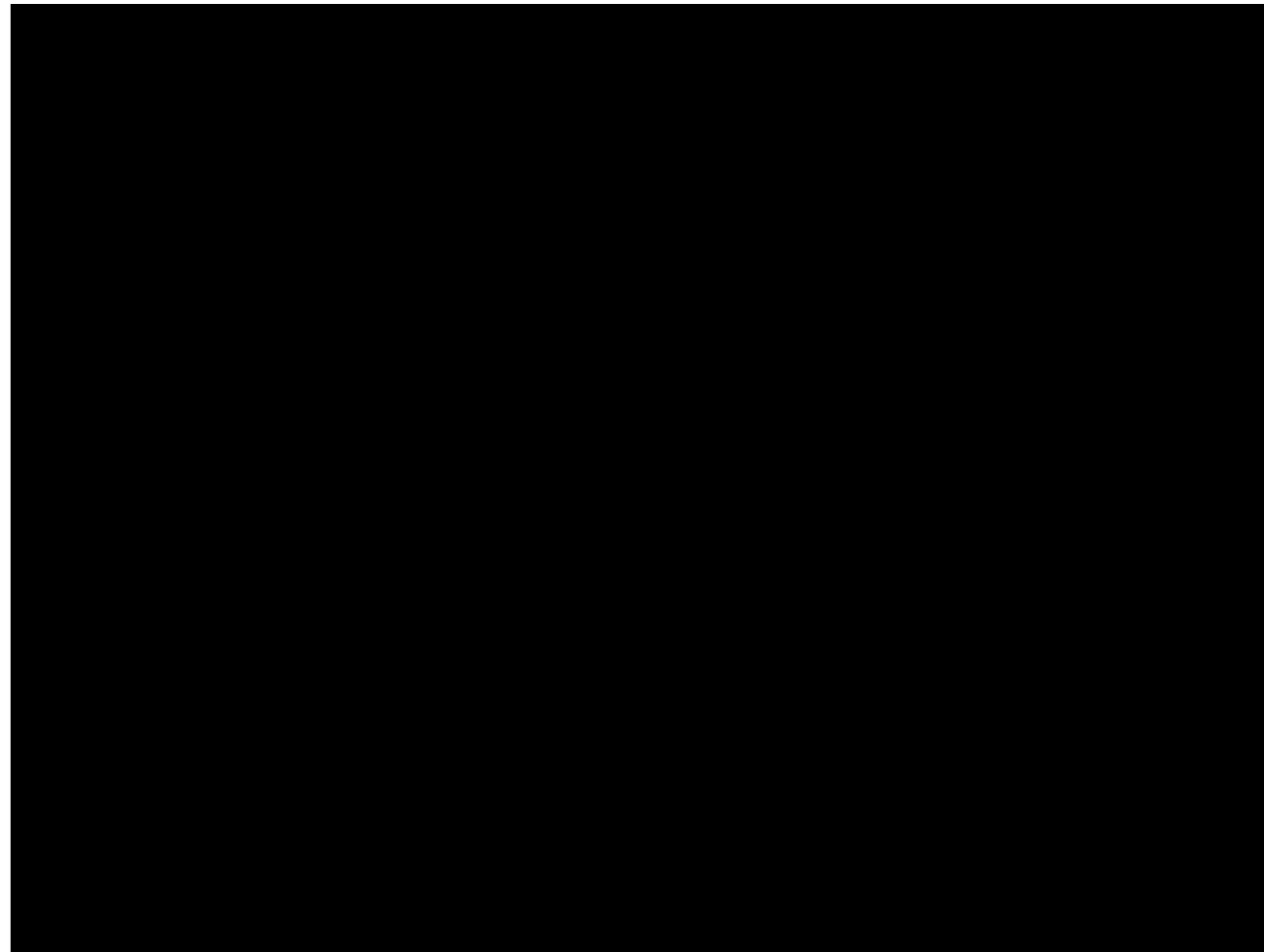
Correspondences between music and body motion



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Music and Motion

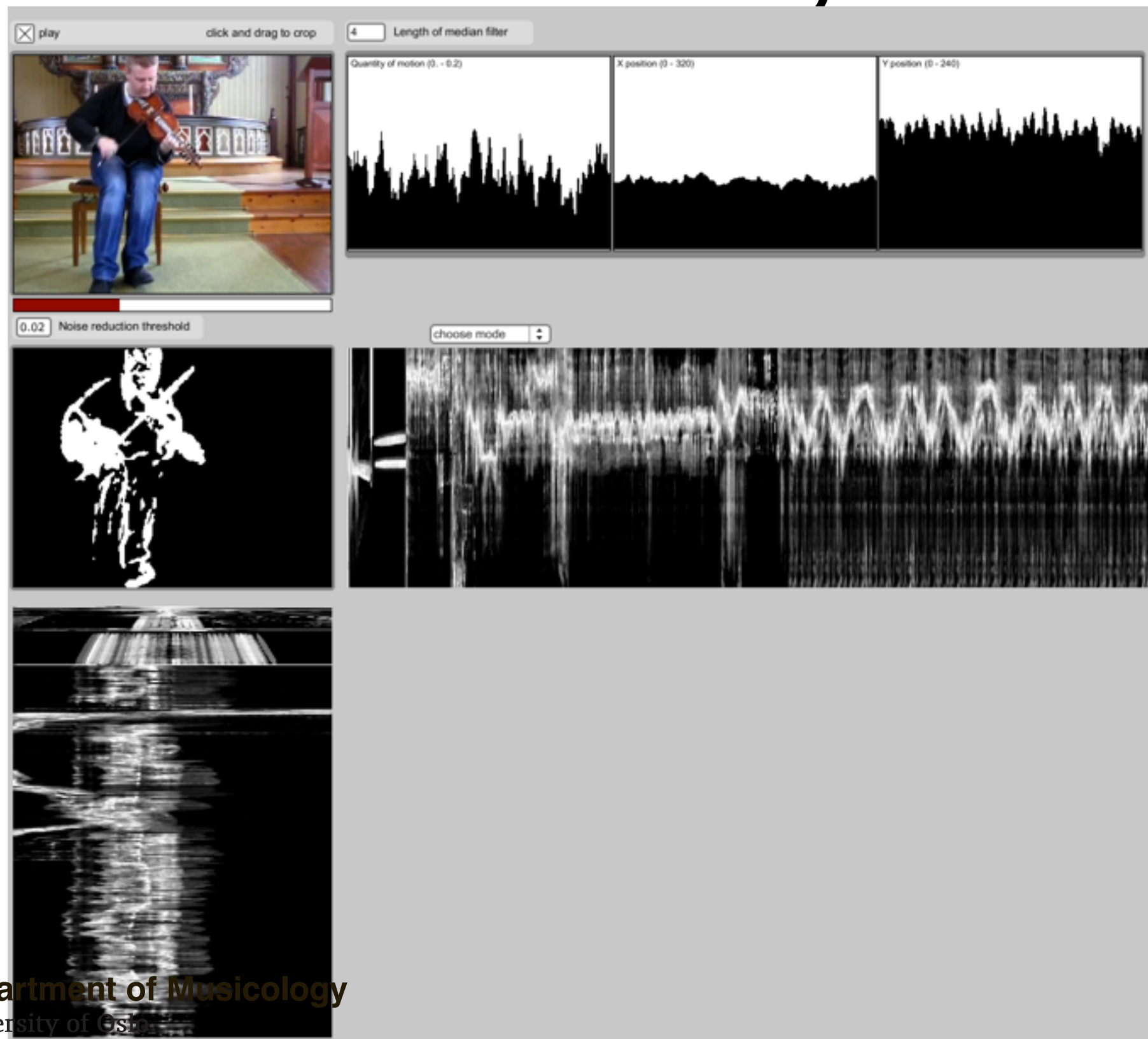
- Theory and terminology
- Methods



Video



Video Analysis



Motion Capture Lab (IMV)



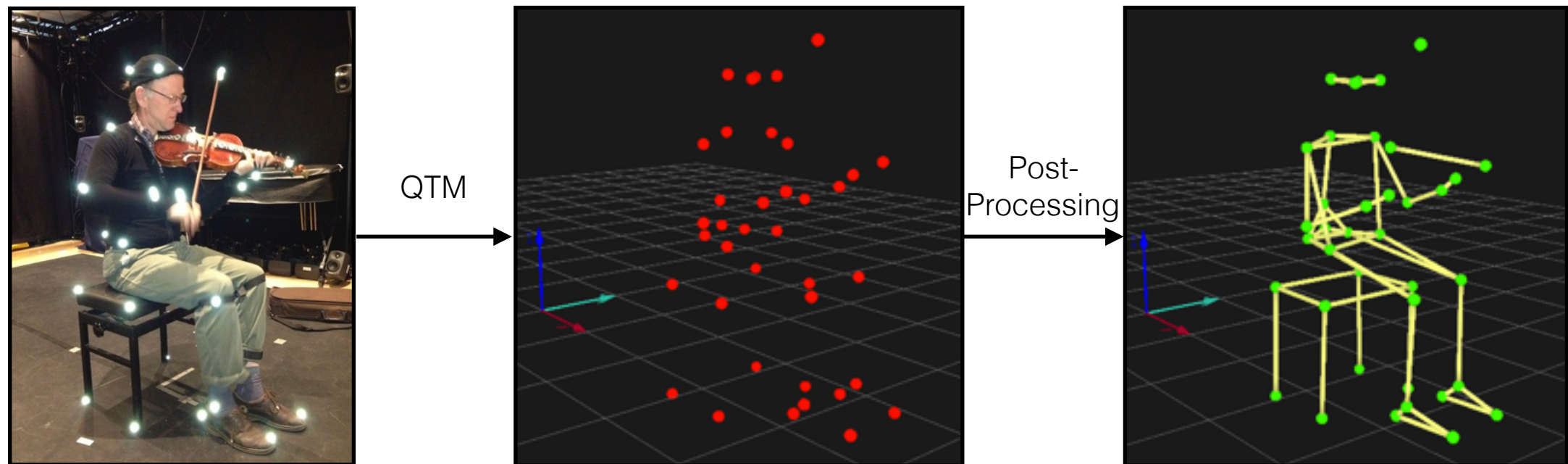
fourMs
Music, Mind, Motion, Machines

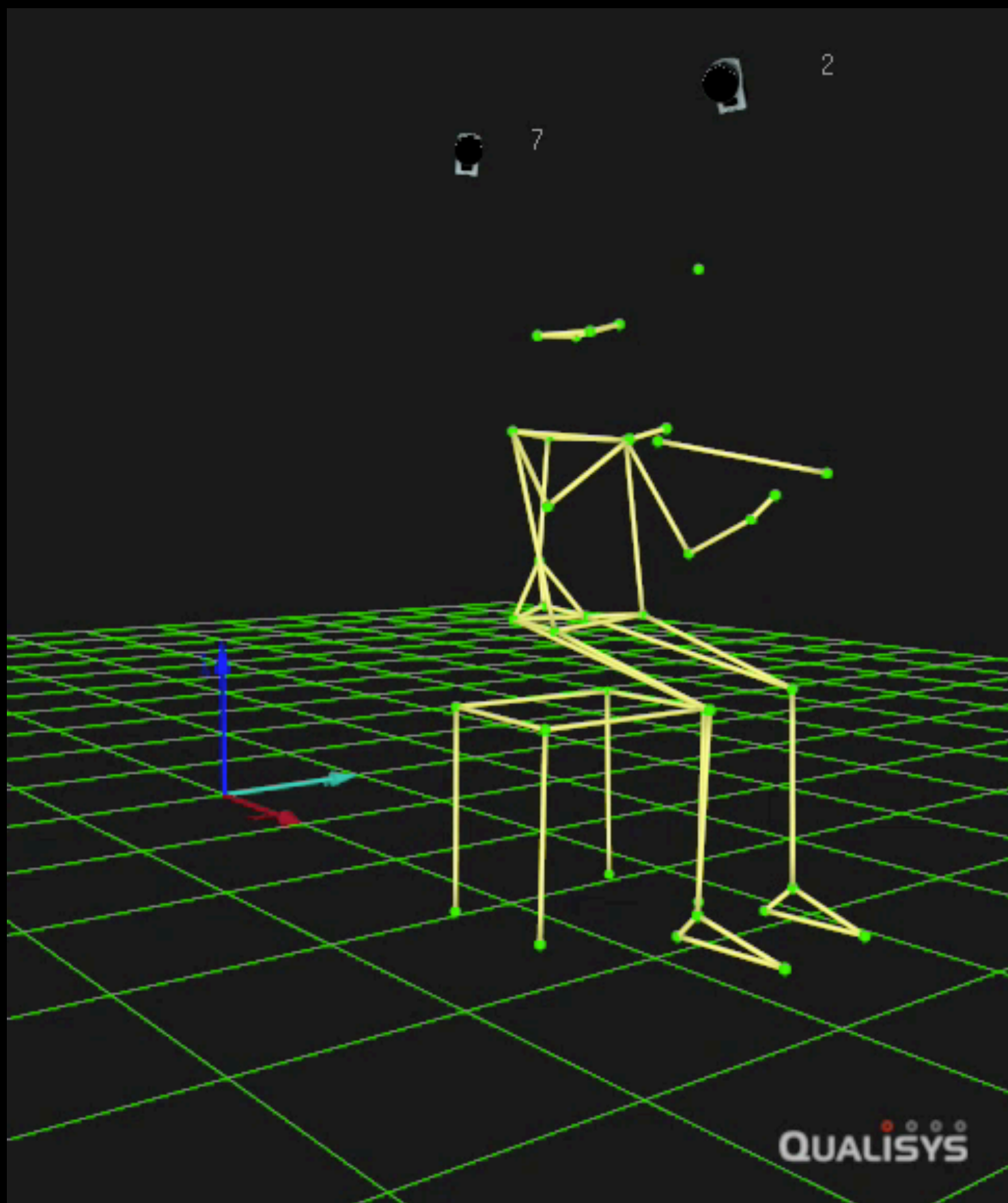


Motion Capture

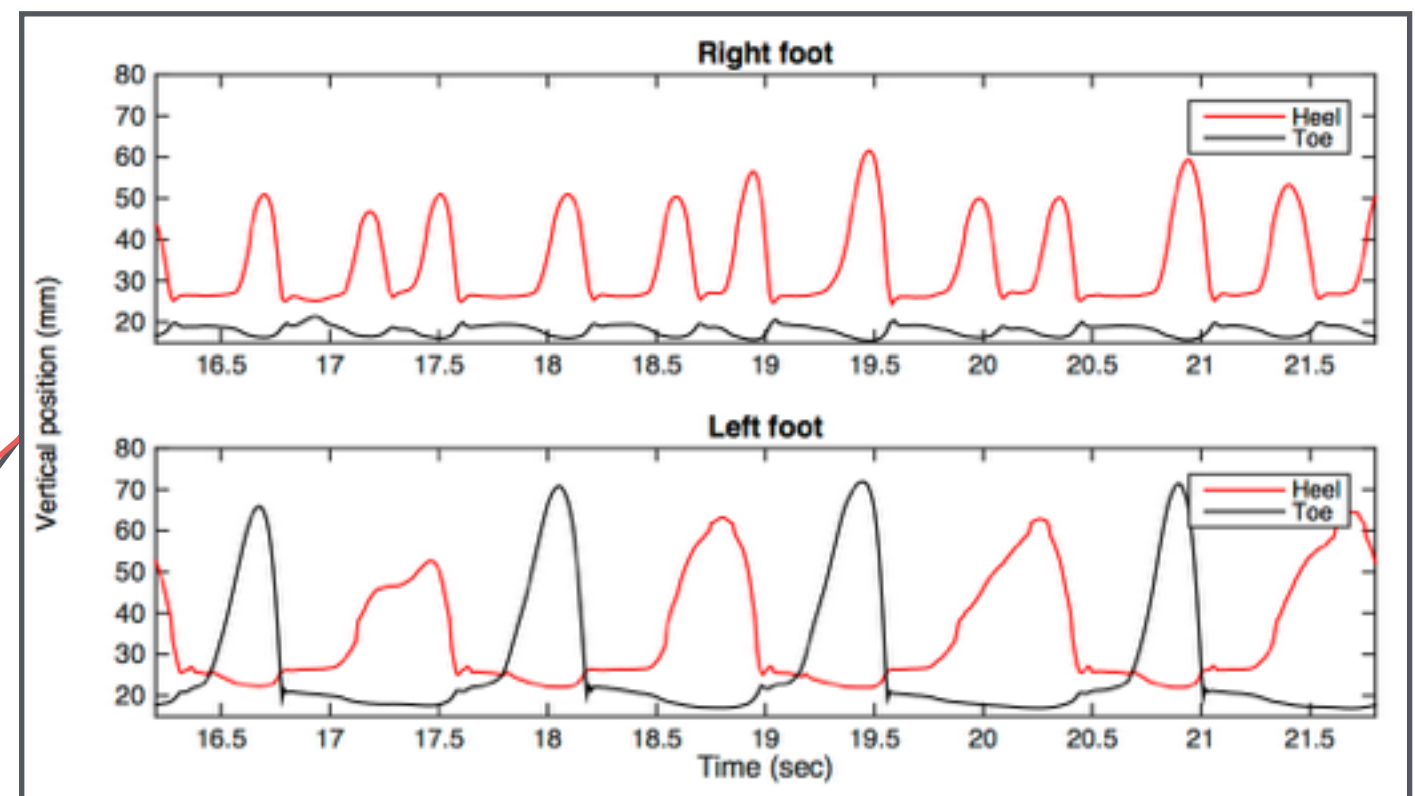
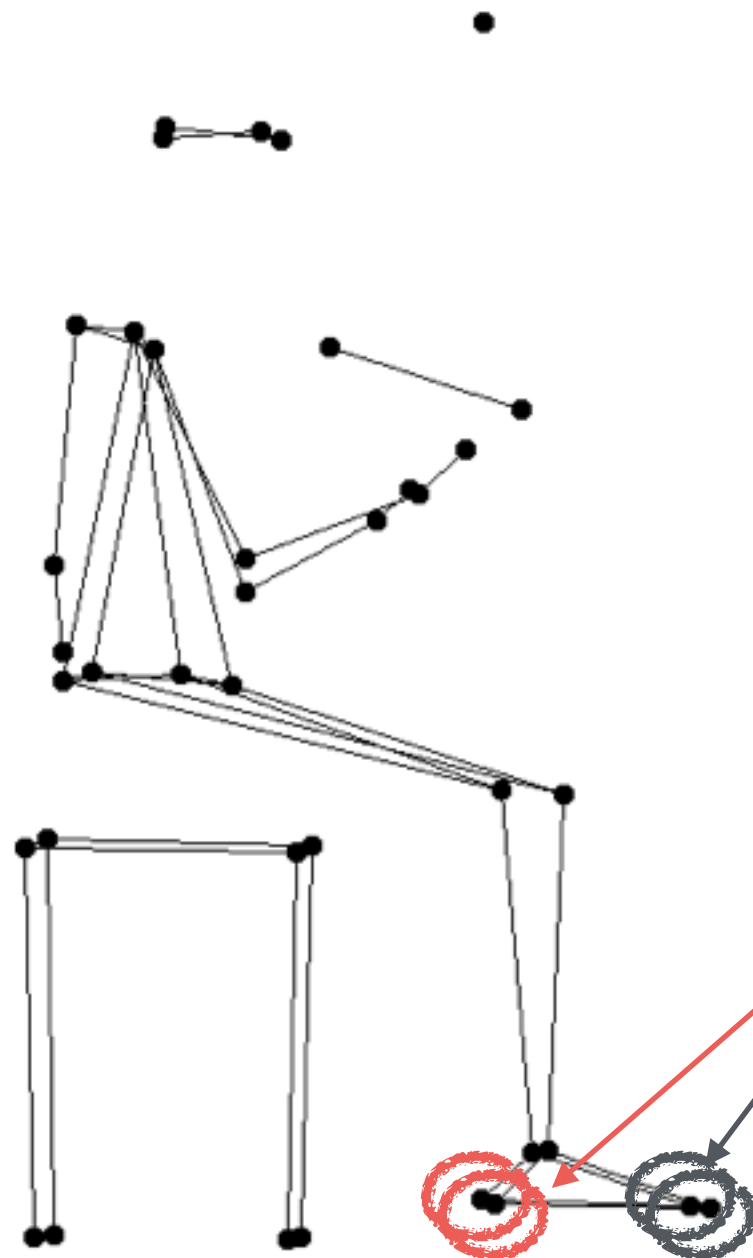


Motion Capture





The fiddler's foot stamping



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