



A JOURNAL OF THE SOCIETY FOR MUSIC THEORY

**MTO 24.4 Examples: Trevor and Huron,
Animated Performance: 'Better' Music Means Larger Motions**

(Note: audio, video, and other interactive examples are only available online)

<http://mtosmt.org/issues/mto.18.24.4/mto.18.24.4.trevor.html>

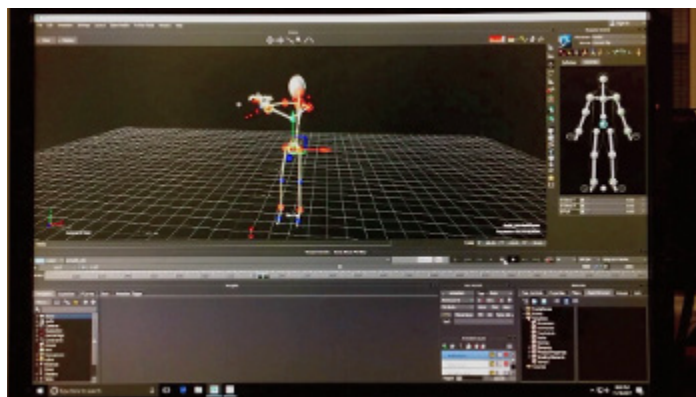
Example 1. Experimenter in the motion capture suit and markers



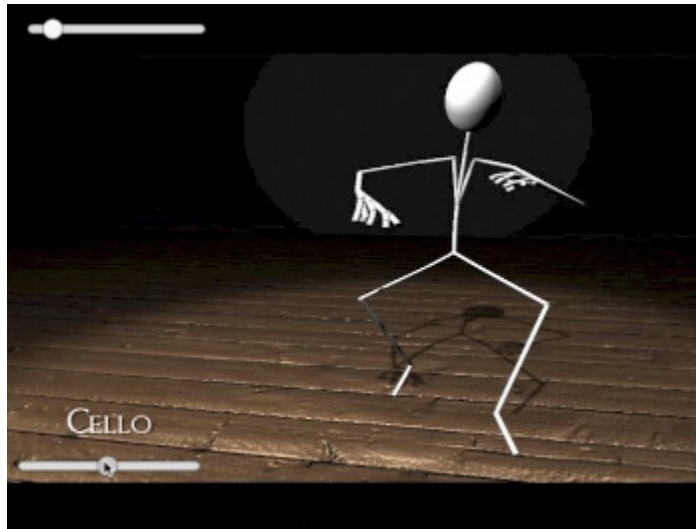
Example 2. Examples of motion capture markers attached to the musicians' hands



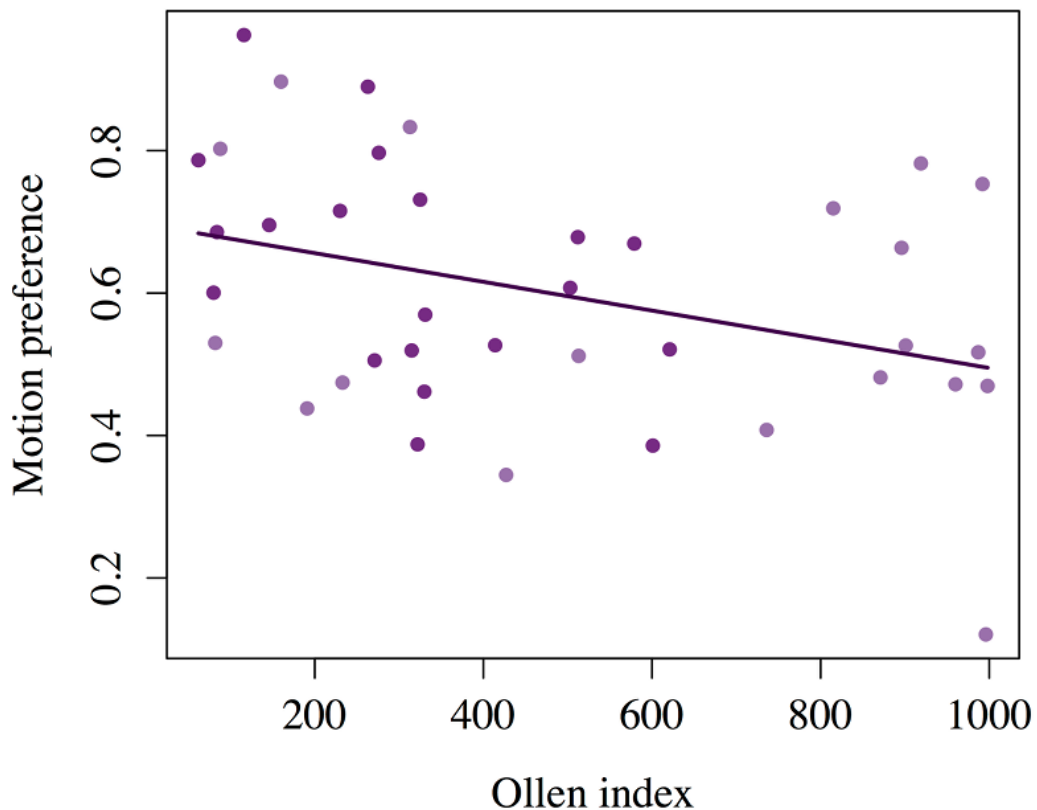
Example 3. Example of hand editing motion capture data realized in MotionBuilder



Example 4. Video example of the animated performance stimuli showing the original, diminished, and augmented versions and how the slider operated during the experiment as it moved between the three versions



Example 5. Relationship between musical sophistication and preferred performer motion. Less musically sophisticated participants (as measured using the OMSI index) preferred augmented or exaggerated motion. More musically sophisticated participants preferred the magnitude of motion to be quite similar to the original performer motion.



Example 6. The lyrical excerpts that the performers chose to create the stimuli

Lyrical Excerpt				
	Title	Composer	Excerpt	Duration
Clarinet	Capriccio Espagnol, op. 34	Nikolai Rimsky-Korsakov	Mvt. 4 mm. 7–26	17 seconds
Cello	Cello Concerto, op. 104	Antonín Dvořák	Mvt. 2 mm. 20–25	22.5 seconds
Flute	Concerto for Flute and Orchestra in D major	Carl Reinecke	Mvt. 2 mm. 8–13	22.5 seconds
Violin	Concerto for Violin and Orchestra no. 2, op. 63	Sergei Prokofiev	Mvt. 1 mm. 1–8	22 seconds

Example 7. The technical excerpts that the performers chose to create the stimuli

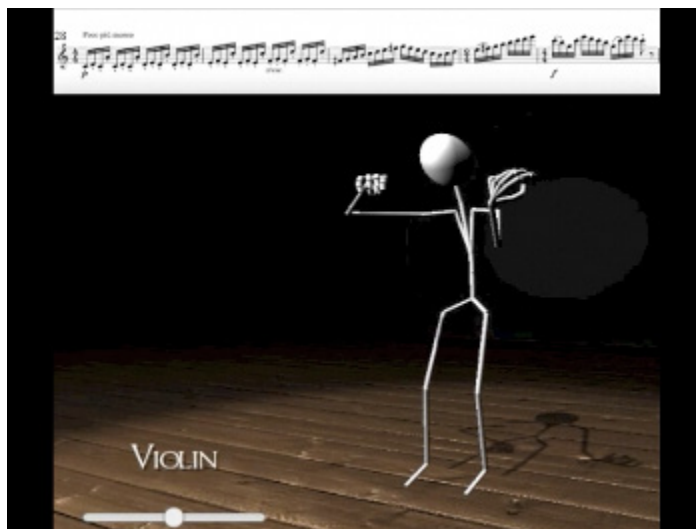
Technical Excerpt				
	Title	Composer	Excerpt	Duration
Clarinet	Capriccio Espagnol, op. 34	Nikolai Rimsky-Korsakov	Mvt. 3 mm. 51–72	21 seconds
Cello	Cello Concerto, op. 104	Antonín Dvořák	Mvt. 1 mm. 110–116	19 seconds
Flute	<i>Image</i> for Solo Flute	Eugene Bozza	Mm. 5–19	21 seconds
Violin	Concerto for Violin and Orchestra no. 2, op. 63	Sergei Prokofiev	Mvt. 1 mm. 28–41	22.5 seconds

Example 8. The composition dates and eras of the excerpts performers chose to create the stimuli

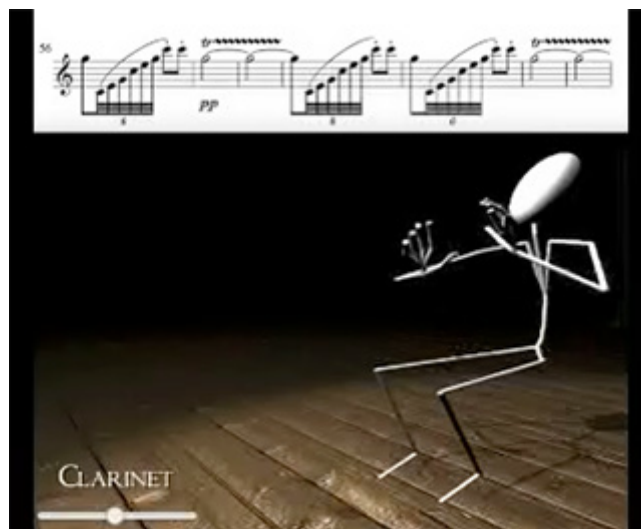
Excerpt Details

Title	Composer	Date	Era
Capriccio Espagnol, op. 34	Nikolai Rimsky-Korsakov	1887	Romantic
Cello Concerto, op. 104	Antonín Dvořák	1894–5	Romantic
Concerto for Flute and Orchestra in D major	Carl Reinecke	1908	Romantic/Modern
Concerto for Violin and Orchestra no. 2, op. 63	Sergei Prokofiev	1935	Modern
<i>Image</i> for Solo Flute	Eugene Bozza	1939	Modern

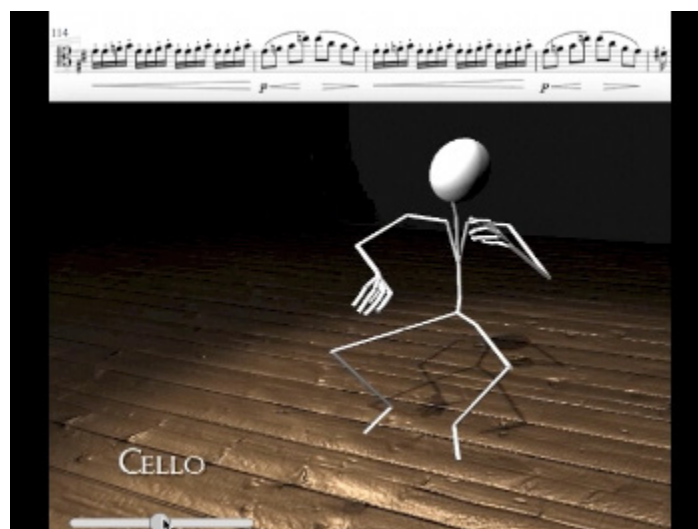
Example 9. Animation of the technical performance excerpt for violin along with the score



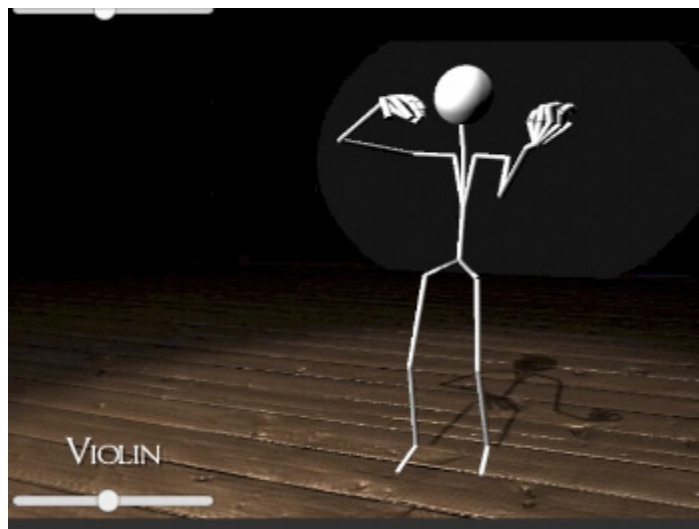
Example 10. Animation of the technical performance excerpt for clarinet along with the score



Example 11. Animation of the technical performance excerpt for cello along with the score



Example 12. Animation of the lyrical performance excerpt for violin with and without the audio



Example 13. Animation of the lyrical performance excerpt for clarinet along with the score

