

Disentangling Physical Change from Player Adaptation in Violin "Playing-In": A 6-Month Longitudinal Study

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Abstract

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1. Introduction

- Strong belief among makers and string instruments players that there is a playing-in effect : the sound is better when the instrument has been played for a certain amount of time
- Inta, Piacsek : no acoustical effect measured
- Two hypothesis, non :
 - The violin changes when played
 - The player adapts to the violin

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- Make a series of measurements (acoustical, recordings, motion capture, listening test, subjective ratings) in order to review these two effects
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2. Methods

2.1. Study Design

2.2. Objective Measurements

2.2.1. Vibro-acoustic Measurements

2.2.2. Audio Recordings

2.2.3. Motion Capture

2.3. Subjective Evaluation

2.3.1. Player Ratings

2.3.2. Listening Test

3. Results and Discussion

4. Conclusion