

Appassionata for guitar of Ronaldo Miranda: Relationship between timing variation and musical texture

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The aim of this study was to analyze four commercial recordings of the theme *Lirico e molto espressivo* from Miranda's *Appassionata* for solo guitar. It intends to verify the mathematical behavior of timing variation as a function of the indication of the composer, in two phrases with two parts, each of which contains distinct textures. The selected theme has in its first motif a defined melody and in the second motif an improvised character. Using computer software, the IOIs related to the time unit were obtained. The first group (G1) contained the data regarding the texture of the defined melody, while the second group (G2) contained the data regarding the texture of improvised character. Analysis of variance (ANOVA) verified a significant relationship between the timing variation of the interpreter's performance and the indication from the composer. We conclude that the parabolic curve behavior depends on the structural function of the motif of the phrase. G1 was over-valued by the significant increase in the duration of the notes due to their higher structural importance. G1 tended to have a tighter and slower timing pattern than what was indicated by the composer, and G2 tended to have a higher timing liberty pattern due to their more improvised characteristic.

Keywords: timing; musical texture; statistic analysis; mathematical approaches; acoustic guitar performance

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