

On Music Information Retrieval over Traditional Flute compositions

MASTER'S THESIS IN ELECTRICAL ENGINEERING - *Instituto de Ingeniería Eléctrica,
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Abstract

This present work reports about the extraction of meaningful music events from Traditional Flute *repertoire*. A set of Flute Solo Compositions is selected and labeled for algorithm evaluation. Results are reported using common metrics implemented on Raffel et al. (2014).

1 Introduction

1.1 Flute Acoustics

1.2 Set of selected Solo Flute Compositions

1.3 Outline

- *Blow Hole Covered*: El flujo de aire ingresa directo al tubo de la flauta, sin generar turbulencia contra el filo de la embocadura.
- *Breathy Embouchure*: Caso intermedio entre las otras dos embocaduras.
- *Normal Embouchure*: Embocadura clásica de la flauta, donde el flujo de aire frente al filo de la embocadura genera la excitación tonal.

References

Raffel, C., McFee, B., Humphrey, E. J., Salamon, J., Nieto, O., Liang, D., Ellis, D. P., and Raffel, C. C. (2014). mir_eval: A transparent implementation of common mir metrics. In *In Proceedings of the 15th International Society for Music Information Retrieval Conference, ISMIR*. Citeseer.