LEARNING INVARIANTS FOR POLYPHONIC INSTRUMENT RECOGNITION

First author
Affiliation1
author1@ismir.edu

Second author
Retain these fake authors in submission to preserve the formatting

Third author
Affiliation3
author3@ismir.edu

ABSTRACT

The abstract should be placed at the top left column and should contain about 150-200 words.

1. INTRODUCTION

2. DEEP CONVOLUTIONAL NETWORKS

3. DEEP SUPERVISION OF MELODIC CONTOUR

4. SINGLE-INSTRUMENT CLASSIFICATION

4.1 Dataset

In order to evaluate the proposed algorithms, we used MedleyDB [1], a dataset of 122 multitracks annotated with instrument activations as well as melodic f_0 curves when present.

5. POLYPHONIC CLASSIFICATION

6. CONCLUSIONS

7. REFERENCES

[1] Rachel Bittner, Justin Salamon, Mike Tierney, Matthias Mauch, Chris Cannam, and Juan Bello. Medleydb: a multitrack dataset for annotation-intensive mir research. *International Society for Music Information Retrieval Conference*, 2014.

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