

Supplementary materials of “An Analysis of Sitar Music Performance using Automatic Music Transcription”

ARTICLE HISTORY

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1. Summary

The supplementary materials of this paper contain the following items:

- Source code for transcription, structure analysis, evaluation and plots; see the current directory
- The original audio sample performed by Debashish; see the directory `case_study_sample`
- Human transcription (.pdf) done by one of the authors of this paper; see the directory `case_study_sample`
- The MIDI file converted from the human transcription, serving as ground truth; see the directory `case_study_sample`
- MIDI files outputted from the proposed AMT algorithm (see the directory `results`) and the two baselines, C-M and Tony (see the directory `baselines`)

2. How to run the code

The code can be run under basic python 3 environment with related packages including `numpy`, `scipy`, `scikit-learn`, and `matplotlib`. Two additional packages are also required:

- `soundfile` 0.10.3 for loading audio files
- `pretty_midi` 0.2.9 for MIDI processing

Usage: Run the script `transcription.main.py` for the AMT task of the sitar recording. Run `analysis.main.py` for the structure analysis task given the AMT result of the sitar recording. Input and output file paths should be specified on the script.