ASSESSING THE SUITABILITY OF PANAKO FOR MUSIC IDENTIFICATION IN MOVIES

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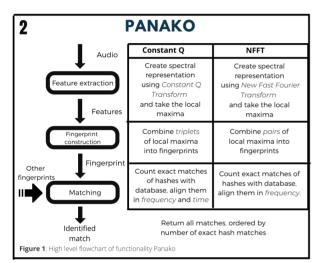


1 INTRODUCTION

This poster presents the research in assessing the suitability of Panako for movie music identification. This was done by answering the research question: How does Panako perform in music identification in movies?

This question was split into two sub-questions:

- 1. How well does Panako perform in recognizing music in movies, based on the benchmark?
- 2. What is the influence of configurable parameters on the performance of Panako?



3 METHOD

Analysis was performed in three steps and repeated for both strategies (Constant Q and NFFT):

- Preliminary study. Six movies were manually labeled. Clips containing music were extracted and queried using Panako's default settings.
- 2. Analysis using the synthesised data from the benchmark. Original soundtracks (using soundtracks of movies provided by Muziekweb) were layered with different types of noise over it, at four different signal-to-noise ratios (SNR). This data was first tested with the default configuration of Panako. Then, all configurable parameters were changed. They were all doubled and halved where possible.

first tested with the default configuration of Panako. Then, all configurable parameters were changed. They were all doubled and halved where possible, 3. Testing better configurations. The configurations that performed better on the synthesised data than the default configuration were again tested on the real movie clips from the first step. CONCLUSION -

