

USING SIMPLIFIED CHORDS SEQUENCES TO CLASSIFY SONGS GENRES

Doutorado

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Contexto: Music Genre Recognition (MGR) is one of the most important forms of music organization and has been an important research subject. Most MGR methods consider the audio content itself instead of the songs meta-data, such as its chords. However, the audio is not always available due to copyright issues, which makes the use of meta-data for MGR an important task. **Objetivo Geral:** The main objective of this paper is to propose a new method for MGR using simplified chords sequences. We also propose a new public dataset with 8,994 songs containing audio and chords features from six different genres in order to evaluate our method. **Questão de Pesquisa:** The use of alternative features extracted from the songs metadata to recognize music genres. **Método de Pesquisa:** The research method used in this work was the experimentation of new chords sequences features to classify songs genres, comparing and combining these features with state-of-the-art audio features in order to investigate their classification effectiveness. **Resultados Preliminares:** The experimental results reached an accuracy rate of 56.13% using only the chords sequence feature with the Random Forest classifier, and 78.40% combining audio and chords features with the SVM classifier.

Palavras-chave: Music Information Retrieval, Music Genre Recognition, Chords Sequences.

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