

# PARATAXIS: MORPHOLOGICAL SIMILARITY IN TRADITIONAL MUSIC

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## ABSTRACT

In this paper an automatic system for the detection of similar phrases in music of the Eastern Mediterranean is proposed. This music follows a specific structure, which is referred to as *parataxis*. The proposed system can be applied to audio signals of complex mixtures that contain the lead melody together with instrumental accompaniment. It is shown that including a lead melody estimation into a state-of-the-art system for cover song detection leads to promising results on a dataset of transcribed traditional dances from the island of Crete in Greece. Furthermore, a general framework that includes also rhythmic aspects is proposed. The proposed method represents a simple framework for the support of ethnomusicological studies on related forms of traditional music.

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