Automatic Music Genre Classification Using Modulation Spectral Contrast Feature

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Abstract

In this paper, we proposed a novel feature, called octavebased modulation spectral contrast (OMSC), for music genre classification. OMSC is extracted from long-term modulation spectrum analysis to represent the time-varying behavior of music signals. Experimental results have shown that OMSC outperforms MFCC and OSC. If OMSC is integrated with MFCC and OSC, the classification accuracy is 84.03% for seven music genre classification.

Keyword：