

Abstract

DML(Digital Music Library) which is currently widely available online provides an opportunity for everyone to gather the songs they want by searching based on keywords. Some categories of keywords that are commonly used are based on genre, artist and album. But today many visitors who enter the keywords based on the category mood. It required a system that can classify a collection of songs in a category of mood. In this task support vector machine is implemented as classifier. For the lyric feature extraction methods used bag-of-words. As for extracting audio features used jAudio tools. The extracted audio features are the spectral centroid, spectral flux, spectral rolloff, MFCC, the zero crossing and beat histogram. Then an examination of the degree of accuracy in classifying the track system using Late Fusion method by linearly combination.

Based on the observations that have been done, the resulting accuracy showed unsatisfactory results, 24.17% with lyrics weights 0.1 and 0.9 for audio weight.

Keywords : *Classification Based on Mood, Lyric Feature, Feature Audio, Support Vector Machine (SVM), Late Fusion by linearly Combination*