Abstract

Songs are representation of audio signal and musical instruments. An audio signal separation system should be able to identify different audio signals such as speech, background noise and music. In a song the singing voice provides useful information regarding pitch range, music content, music tempo and rhythm. An automatic singing voice separation system is used for attenuating or removing the music accompaniment. The paper presents survey of the various algorithm and method for separating singing voice from musical background. From the survey it is observed that most of researchers used Robust Principal Component Analysis method for separation of singing voice from music background, by taking into account the rank of music accompaniment and the sparsity of singing voices.

References

Separation of Singing Voice from Music Background

17. Chao-Ling Hsu and Jyh-Shing Roger Jang, “On the improvement of singing voice separation for monaural recordings using the MIR-1K datasets”, IEEE Transactions on Audio,


Index Terms

Computer Science

Signal Processing

Keywords

Music Accompaniment, pitch, music tempo, rhythm.