

Abstract

Source separation is a challenging task. if there is nomuch of a case sources of information, we can only rely on the eigenvalues mixed audio separation. In this project, we first introduce the theory and system, and then ~~gradually~~ strengthen recount related research; in different instruments, we can find different harmonic structure, the use of the advantages of this feature by doing two separate audio classification, Through the direct separation of the two audio classification, will come out, then the final signal overlap, restore music. Then to achieve the above effects, to solve the problem that noise sources.

In order to achieve the desired results, we will make use of MATLAB simulation tests, in order to obtain the desired results from the experimental sound. This program provides a new parameter, reduce the frequency domain signal non-stationary signals generated from the time domain, and highlight the section you want to analyze the impact of signal do better.