

Abstract

Music as one of existing culture this world have expanded and become our life style. Furthermore, at the height of technological growth and existing information in this time, we are as human being wish the anything become easier, and so about music. We not only expect music can be got and collected easily, but also automatically can depict the information from the music. These matters constitute various researches in its bearing by music information retrieval.

In this final assignment, we will introduce a system of identifying of music instrument at one particular audio polyphonic, that are representing one part of in the research MIR. Method which we used, that is by building taxonomy from existing castanets, what is expected can recognize the instrument eminently. In this final assignment also will be introduced by some extraction feature which is later used in the identifying instrument music. Later in our training system, we also use the SVM which is good for getting a good classification. In the end, the accuracy from this system will be calculated, and we get the maximal result of accuracy from this identifying equal to 87.56%.

Keywords : *music information retrieval, instrument, poliphonic, taxonomy, SVM.*