

Abstract

Guitar tablature is one of way to represent how to play guitar into picture. Picture of tablature such as guitar neck that consist of six string and divided into some frame. Tablature will show us where the note is played. Besides the note, tablature also show how is the transition between two notes produced.

The problem is there are not system that recognize and classifying the notes transition. Author use SOM-Kohonen neural network to build automatic classification and analyze result from different learning rate, topology, and value of frequency sampling.

The best result is when number of frequency sampling show the second note clearly and longer .When learning rate become smaller, it will increase the accuracy. The topology of hextop reach higher accuracy than gridtop.

Keyword : *Kohonen,tablature,gitar,neural network*