Abstract

Melody is a mix of tunes composed on a regular basis and create a harmonious sound. Each tone has a frequency of each. For example, the frequency of tone A = 440 Hz as well as for multiplication 110 Hz, 220 Hz and so on. To determine the contour of melody on guitar tablature Wavelet Transform is used as a tool to transform the region into the region when the frequency and provide solutions based on the window that will divide the signal in some segments.

For someone who was just learning guitar would have had difficulties when they want to find melody in a song because of the sensitive hearing is required when we want to set a tone that we're looking for. For a beginner in learning the guitar easier to play and get a melody in the song by looking at tablature guitar melody from the search for the hearing own.

Wavelet-based transformation is one tool that can be used to analyze (examine) the signals of non-stationary (i.e the signal frequency content varies with time), because it related to the ability to separate the various characteristics at different scales. In recent years, this method has proved its usefulness and is very popular in various fields of science. Wavelet analysis can be used to demonstrate the behavior of temporary (temporal) at a signal, for example in the field of geophysics (seismic signals), fluids, medical and so forth. Wavelet transformation method can be used to filter data or improve the quality of data quality; can also be used to detect certain events and can be used for data compression

The test results obtained from the Wavelet Transform can be used for the detection of melody on guitar with the output level of accuracy on the guitar tablature to 100% on the electric guitar and acoustic guitar.

Key word: *window,wavelet,non-stasioner,tablature*