

Abstract

Create a musical composition is usually carried out by the composer who was trained in music knowledge, but with the help of this system, the musicians who has not experienced in writing music can make their own music. This system can also be used by musicians who has been expert as a material consideration in the search of musical ideas.

This system uses adaptive genetic algorithm based on fuzzy logic control in the process of searching for the desired solution, in this case is a snippet of music. Genetic algorithm can build a snippet of music, and in the process of searching the appropriate discount music, genetic algorithms using fuzzy logic control to adjust its parameters to avoid the occurrence of premature convergence. Results that we want to look for is a snippet of music that does not violate the rules in a music paper, where the rules used in this system is limited based on western tonal theory.

Keywords: adaptif genetic algorithm, fuzzy logic controller, music composition.