ABSTRACT

In this final project, forecasting model is used to predict fire-forest propagation by considering sequences of data and its neighborhood cells. The model that will be used in this final project is time series model. The input parameters on this forecasting model are temperature and vegetation. They are obtained by processing the data of NOAA-18 satellite. This time-series model is solved using heuristic approach.

Keywords: Forecasting, time series, forest fire spreading, genetic algorithm