

Implementation of article

By: Vahid asbaghi

Pattern recognition using multilayer neural-genetic algorithm

Link to Article: <https://www.sciencedirect.com/science/article/pii/S0925231202006197>

Help file for MATLAB code.

This project includes some MATLAB code files beside of some image dataset to test the algorithm.

To test the result and run project you should run GUI_neural_ga.m file in MATLAB 2013 environment. The project files have been commented wherever had been required.

If you want to test the Genetic Algorithm, you could choose 'Genetic Algorithm Start' button.

If you want to test the Neural Network, you can choose 'Neural Network Start' button.

If you want to test the whole algorithm and see the performance of it, please select the 'Neural-Genetic Start' button.

The average running time, with provided value of parameters in the UI, is about one minute.