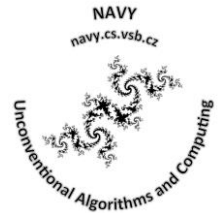




Unconventional computation and algorithms

Laboratory protocol



Topic: Artificial neural networks – unified framework

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Name and student ID:

Date:

Note: *please remember that laboratory examples and studies are designed for students that regularly visit NAVY lectures. Laboratory staff is for you there to help you with programming and examples collection, but not for teaching of materials, that is done on lectures!!!*

Problem definition:

Create basic framework for artificial neural networks (ANN) that will contain in further lab examples different ANNs. Framework shall allow to user to read training sets for ANNs, set its parameters such as number of layers, epochs, neurons in layers etc... It is expected that ANNs will be then plugged in as a ready to use box (running also independently on command line) and its results will be graphically visualized and recorded into a suitable data file.

Solution design:

Results and facts:

Conclusion:

