

Testing artificial neural network for hand gesture recognition

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ABSTRACT.

Neural networks are well applicable for gesture recognition. In this article we want to present the result of an artificial feed forward network for a simplified hand gesture recognition problem. In neural networks, the learning algorithm is very important because the performance of neural network depends on it. One of the most known learning algorithm is the backpropagation. There are some mathematical software which provides acceptable result for a given problem by a backpropagation based network, but in some cases a high-level programming language implemented program can provide better solution. The main topics of the article cover the structure of the test environment, the mathematical background of the implemented methods, some programming remarks and the test results.

Acknowledgement. The research was supported by the European Union and the State of = Hungary, co-financed by the European Social Fund in the framework of TAMOP 4.2.4.A/2-11-1-2012-0001 "National Excellence Program - Elaborating and operating an inland student and researcher personal support system convergence program".

The used devices and development accessories was financed by TAMOP-4.2.2.C-11/1/KONV-2012-0001 project. The project has been supported by the European Union, co-financed by the European Social Fund.

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* Dedicated to Professor Emeritus Constantin Corduneanu on the occasion of his 85th birthday

Received: 30.10.2013; In revised form: 20.11.2013; Accepted: 23.11.2013

2010 Mathematics Subject Classification. 68T10, 68-04.

Key words and phrases. Hand gesture recognition, artificial neural network, feed forward, C++, object oriented programming.