

Title (en)

METHOD FOR INITIALIZING A NEURAL NETWORK

Title (de)

VERFAHREN ZUM INITIALISIEREN EINES NEURALEN NETZWERKS

Title (fr)

PROCEDE D'INITIALISATION D'UN RESEAU DE NEURONES

Publication

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Application

EP 00910976 A 20000317

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Abstract (en)

[origin: FR2791446A1] The invention relates to a method for initializing a neural network in order to emulate a non-linear function, as realized by an initialization box receiving available function data in the form of an input, i.e. an output sample and an input sample, performing the following: automatic selection of the number of required linear zones, taking into account available non-linear function data for linear approximation of said function; automatic calculation of the characteristics of the linear forms on each function zone, i.e. slope; design automation of the neural network associating the corresponding linear form with each function zone; calculation of the initial values of the parameters of the neural network, i.e. the weights and biases of the hidden neuron layer and the output neuron layer.

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