



ELM in nonstationary environment

By Yibin Ye

LAP Lambert Academic Publishing Jun 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - System identification in nonstationary environment represents a challenging problem and an advaned neural architecture namely Time-Varying Neural Net- works (TV-NN) has shown remarkable identification properties in nonlinear and nonstationary conditions. Timevarying weights, each being a linear com-bination of a certain set of basis functions, are used in such kind of networks instead of stable ones, which inevitally increases the number of free parame- ters. Therefore, an Extreme Learning Machine (ELM) approach is developed to accelerate the training procedure for TV-NN. What is more, in order to ob-tain a more compact structure, or determine several important parameters, or update the network more efficiently in online case, several variants of ELM-TV are proposed and discussed in the book. Related computer simulations have been carried out and show the effectiveness of the algorithms. 88 pp. Englisch.



Reviews

Complete guide! Its this sort of good read. It is rally exciting through studying period. I am just pleased to explain how here is the very best publication i have go through inside my own existence and could be he very best publication for at any time.

-- Adele Rosenbaum

A top quality publication as well as the typeface used was intriguing to learn. Yes, it is play, still an amazing and interesting literature. I discovered this publication from my i and dad suggested this book to learn.

-- Prof. Louvenia Flatley

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