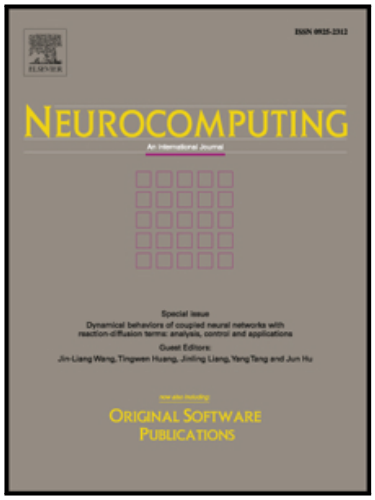
Communicated by Prof. Yugang Niu

Accepted Manuscript



Almost automorphic solution for neutral type high-order Hopfield BAM neural networks with time-varying leakage delays on time scales

Wengui Yang, Wenwu Yu, Jinde Cao, Fuad E. Alsaadi, Tasawar Hayat

PII: S0925-2312(17)31057-3
DOI: 10.1016/j.neucom.2017.05.089
Reference: NEUCOM 18558

To appear in: *Neurocomputing*

Received date: 27 December 2016
Revised date: 23 May 2017
Accepted date: 31 May 2017

Please cite this article as: Wengui Yang, Wenwu Yu, Jinde Cao, Fuad E. Alsaadi, Tasawar Hayat, Almost automorphic solution for neutral type high-order Hopfield BAM neural networks with time-varying leakage delays on time scales, *Neurocomputing* (2017), doi: 10.1016/j.neucom.2017.05.089

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Almost automorphic solutions for neutral type high-order Hopfield BAM neural networks with time-varying leakage delays on time scales are investigated.
- We also consider the neutral type high-order Hopfield BAM neural networks with continuously distributed leakage delays or mixed leakage delays on time scales.
- In the addressed system, we not only consider the effects of the first-order neutral terms on networks, but also investigate the influences of the second-order neutral terms on the networks.
- Three examples with numerical simulations are presented to illustrate the feasibility of our proposed theoretical results
- Our results are completely new even if time scale T=R or T=Z and complementary to the previously existing results.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4947005

Download Persian Version:

https://daneshyari.com/article/4947005

Daneshyari.com