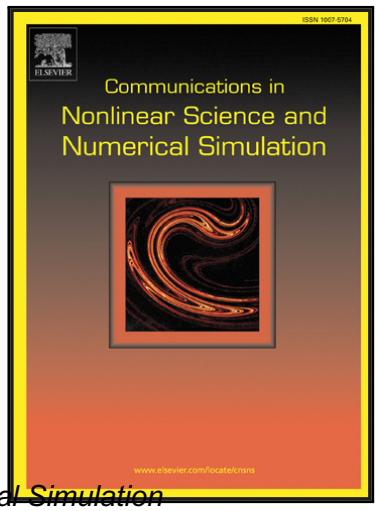
Accepted Manuscript



Cluster synchronization of Boolean network

Zhang Hao , Wang Xing-yuan

PII: S1007-5704(17)30244-7
DOI: 10.1016/j.cnsns.2017.07.001
Reference: CNSNS 4257

To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 12 July 2016
Revised date: 4 May 2017
Accepted date: 1 July 2017

Please cite this article as: Zhang Hao , Wang Xing-yuan , Cluster synchronization of Boolean network, *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: 10.1016/j.cnsns.2017.07.001

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

- The Boolean network is an abstract model of gene regulatory network and the variables are logical.
- The cluster synchronization concept is first proposed in the Boolean network synchronization.
- Both synchronous Boolean network and asynchronous Boolean network are considered in the cluster synchronization study, so the method is universal.
- Synchronization theorems and controllers are provided for Boolean network cluster synchronization.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5011446

Download Persian Version:

https://daneshyari.com/article/5011446

Daneshyari.com