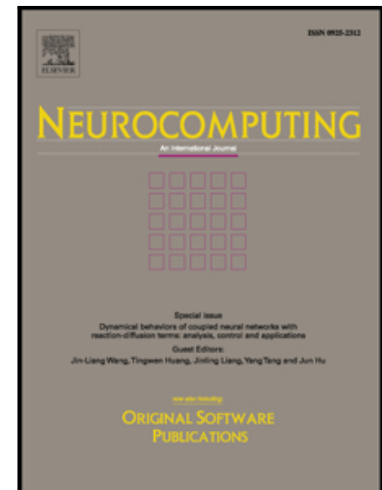


Accepted Manuscript

On the asynchronous bipartite consensus for discrete-time second-order multi-agent systems with switching topologies

Jinliang Shao, Lei Shi, Yangzhen Zhang, Yuhua Cheng

PII: S0925-2312(18)30891-9
DOI: <https://doi.org/10.1016/j.neucom.2018.07.056>
Reference: NEUCOM 19809



To appear in: *Neurocomputing*

Received date: 15 May 2018
Revised date: 14 July 2018
Accepted date: 24 July 2018

Please cite this article as: Jinliang Shao, Lei Shi, Yangzhen Zhang, Yuhua Cheng, On the asynchronous bipartite consensus for discrete-time second-order multi-agent systems with switching topologies, *Neurocomputing* (2018), doi: <https://doi.org/10.1016/j.neucom.2018.07.056>

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.

Highlights

- The asynchronous bipartite consensus for a group of agents with second-order dynamics is examined in this paper.
- The properties of the product of infinite time-varying row-stochastic matrices from a noncompact set are explored to analyze this problem.
- A sufficient condition that depends on switching topologies is established.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8965166>

Download Persian Version:

<https://daneshyari.com/article/8965166>

[Daneshyari.com](https://daneshyari.com)