

Accepted Manuscript

Neural network adaptive tracking control for a class of uncertain switched nonlinear systems

Qitian Yin, Mao Wang, Xiaolei Li, Guanghui Sun

PII: S0925-2312(18)30072-9
DOI: [10.1016/j.neucom.2018.01.047](https://doi.org/10.1016/j.neucom.2018.01.047)
Reference: NEUCOM 19249

To appear in: *Neurocomputing*

Received date: 25 September 2017
Revised date: 23 December 2017
Accepted date: 19 January 2018

Please cite this article as: Qitian Yin, Mao Wang, Xiaolei Li, Guanghui Sun, Neural network adaptive tracking control for a class of uncertain switched nonlinear systems, *Neurocomputing* (2018), doi: [10.1016/j.neucom.2018.01.047](https://doi.org/10.1016/j.neucom.2018.01.047)



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

- Study the method of the tracking control of the switched uncertain non-linear systems under arbitrary switching signal controller
- A multilayer neural network adaptive controller with multilayer weight norm adaptive estimation is been designed
- The adaptive law is expand from calculation the second layer weight of neural network to both of the two layers weight
- The controller proposed improve the tracking error performance of the closed-loop system greatly

Download English Version:

<https://daneshyari.com/en/article/6863860>

Download Persian Version:

<https://daneshyari.com/article/6863860>

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