عنوان مقاله:

Nonlinear Observer Applying Neural Network for A class of Chaotic System in the Presence of Uncertainty

محل انتشار:

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نویسندگان:

Milad Malekzadeh - *Faculty of Electrical and Computer Engineering, Babol University of Technology, Babol, Iran*

Alireza Khosravi - *Faculty of Electrical and Computer Engineering, Babol University of Technology, Babol, Iran*

Abolfazl Ranjbar Noei - *Faculty of Electrical and Computer Engineering, Babol University of Technology, Babol, Iran*

Reza Ghaderi - *Faculty of Electrical and Computer Engineering, Babol University of Technology, Babol, Iran*

خلاصه مقاله:

To control chaos phenomena with desirable performance, access to the states of plant is required. Due to complicated structure of chaotic systems, measurement of their states is a problem. In order to solve this problem, the observer must be added to control strategy for estimating the inaccessible states. In the present paper, the adaptive neural network observer is considered for chaotic system. This observer is tuned online and no exact information ofnonlinear term is needed. This characteristic covers considerable part of uncertainty of plant

کلمات کلیدی:

ADAPTIVE NEURAL NETWORK OBSERVER; CHAOS; DUFFING SYSTEM; GENESIOTESI SYSTEM

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