عنوان مقاله:

Observer-based synchronization of chaotic mixed delayed neural networks

محل انتشار:

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خلاصه مقاله:

In this paper, an applicable simple method is provided to achieve projective synchronization of two identical chaotic mixed delayed neural networks based on nonlinear observer. The proposed control law is obtained using nonlinear outputs of both master and slave systems. By applying this controller, the asymptotic stability of synchronization error dynamics is proved. Then, the method is applied to two numerical time delayed cellular neural networks. The corresponding simulation results indicate the efficiency of the proposed method explicitly.

کلمات کلیدی:

Chaotic cellular neural networks, Projective synchronization, and Nonlinear observer

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