

บทความ Finite-time event-triggered approach for recurrent neural networks with leakage term and its application

ถูกอ้างอิงใน วารสารที่อยู่ในฐานข้อมูลที่ กพอ ยอมรับ 1 ครั้ง (July 2023)

All Citations (24)



... In event-triggered control, emulation and co-design are used to design unknown control and event-triggered parameters. In recent decades, the event-triggered control mechanism has been introduced to NNs [52][53] [54]. Especially, in [55], the author studied the fixed-time synchronization of inertial CGNNs via event-triggered control. In [56], the author studied the asymptotic synchronization of memristive CGNNs via event-triggered control. ...

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Event-Triggered Controller on Practically Exponential Input-to-State Stabilization of Stochastic Reaction–Diffusion Cohen–Grossberg Neural Networks and Its Application to Image Encryption

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Abstract

The stabilization problem for a class of stochastic reaction–diffusion delayed Cohen–Grossberg neural networks (SRDDCGNNs) with event-triggered controllers is addressed in this paper. Neumann boundary conditions, distributed and bounded external disturbances are introduced to solve such a problem. New sufficient criteria are derived using the 2-norm event generator and Lyapunov functional to ensure that the proposed controlled systems achieve practically exponential input-to-state stabilization in terms of the linear matrix inequality. Considering these criteria, the impact of an event-triggered controller on the practically exponential input-to-state stability is investigated. The Zeno phenomenon of the event-

