Accepted Manuscript

On the adaptive sliding mode controller for a hyperchaotic fractional-order financial system

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PII: S0378-4371(18)30029-3
DOI: https://doi.org/10.1016/j.physa.2018.01.019
Reference: PHYSA 19099

To appear in: *Physica A*

Received date : 15 August 2017
Revised date : 2 December 2017

Please cite this article as: A. Hajipour, M. Hajipour, D. Baleanu, On the adaptive sliding mode controller for a hyperchaotic fractional-order financial system, *Physica A* (2018), https://doi.org/10.1016/j.physa.2018.01.019

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Highlights

- A new hyperchaotic fractional financial system is constructed.
- The basic dynamical behaviors of the proposed system are studied.
- An efficient adaptive sliding mode controller technique is designed to stabilize the hyperchaos in the system with uncertain dynamics and disturbances.
- Two hyperchaotic fractional financial systems are synchronized by using the proposed controller technique.

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