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

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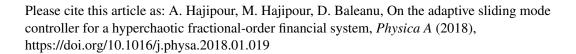
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## **Highlights**

- 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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