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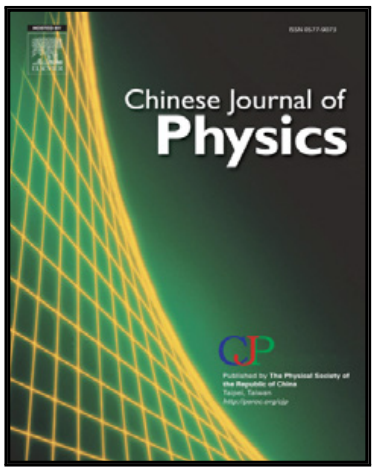

One to four-wing chaotic attractors coined from a novel 3D fractional-order chaotic system with complex dynamics

Sen Zhang , Yicheng Zeng , Zhijun Li

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Highlights

- A novel 3D fractional-order chaotic system is proposed.
- The system can generate one to four-wing attractors by merely varying a single parameter.
- The striking phenomena of various coexisting attractors and transient chaos are observed.
- The hardware experimental results are performed to verify the numerical simulations.

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