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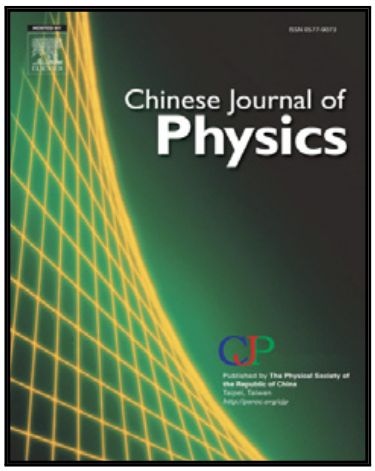

A new three-dimensional chaotic system: dynamical properties and simulation

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Research highlights

- A new three-dimensional autonomous chaotic system, which is different from any existing chaotic attractors, is presented.
- Basic dynamical characteristics of this new system are analyzed.
- Numerical simulation is also presented.
- Existence of Hopf bifurcation in this system is shown.
- Forming mechanism of the new chaotic system is presented.

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