Poster

Projective Synchronization in Nonlinear Electrical Circuits

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Projective synchronization is a dynamical behavior in which responses of two coupled identical chaotic systems synchronize up to a constant scaling factor. From an engineering point of view, projective synchronization can be viewed a control technique for signal processing in secure communications. We consider nonlinear electrical circuits of the Lorenz system, modified Lorenz system and disk dynamo to show that the phenomena of projective synchronization are robust in nonlinear electrical systems.

References

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