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**Anti-synchronization of chaotic oscillators.** (English) Zbl 1098.37521

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Summary: We have observed anti-synchronization phenomena in coupled identical chaotic oscillators. Anti-synchronization can be characterized by the vanishing of the sum of relevant variables. We have qualitatively analyzed its base mechanism by using the dynamics of the difference and the sum of the relevant variables in coupled chaotic oscillators. Near the threshold of the synchronization and anti-synchronization transition, we have obtained the novel characteristic relation.

**MSC:**

**37D45** Strange attractors, chaotic dynamics of systems with hyperbolic behavior

Cited in **48** Documents

**Keywords:**

coupled identical oscillators; synchronization anti-synchronization transition threshold; vanishing variable sum

**Full Text:** [DOI](#)

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