



Synchronization of Chaotic Systems by the Generalized Hamiltonian Systems Approach[◇]

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Abstract: In this paper, the generalized Hamiltonian system approach was applied to the synchronization of chaotic systems. The synchronization is between the transmitter and the receiver dynamics. The synchronization of several chaotic systems is studied by the method, respectively. The numerical results are in very good agreement with the theoretical analysis.

Keywords: *chaotic system; chaotic synchronization; generalized Hamiltonian system.*

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