

A General Approach for Synchronization of Chaotic Systems with Parameters Perturbation

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Abstract: By making use of the theory of stability for dynamical systems, a general approach for synchronization of chaotic systems with parameters perturbation is presented, and a general method for determining control function is introduced. The Rössler system is employed to verify the effectiveness of the method, and the theoretical results are confirmed by simulations.

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Key words: chaos, synchronization, parameters perturbation

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