

Anti-control and Generalized Synchronization of Chaos for a Kind of n-Dimensional Linear Differential System

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Abstract: This paper introduces the finding of some chaotic attractors in a kind of n-dimensional autonomous hybrid system, which is realized via applying some discontinuous state feedback to a kind of n linear differential system. And a constructive theorem is proposed for generalized synchronization related to the above chaotic hybrid systems. Examples are presented for illustrating the methods.

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Key words: chaos, discontinuous state feedback, generalized synchronization

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