

**Synchronization of Identical and Non-identical
4-Dimensional Chaotic Systems Using Active Control**

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This paper presents chaos synchronization between identical Lorenz-Stenflo (LS) and a new 4-dimensional chaotic system (Qi systems) by using active control technique. The designed controller ensures that the state variables of the controlled chaotic slave LS and Qi systems globally synchronizes with the state variables of the master systems respectively. It is also shown that Qi system completely synchronizes with LS under the generalized active control. The results are validated using numerical simulations.