Nonlinear Dynamics and Systems Theory, 8 (2) (2008) 151-167



## On Nonlinear Control and Synchronization Design for Autonomous Chaotic Systems

A. Boukabou $^\ast$ 

Department of Electronics, Faculty of Engineer Sciences, Jijel University, BP 98 Ouled Assa, 18000, Jijel, Algeria

Received: February 26, 2007; Revised: May 29, 2007

**Abstract:** In this paper, a chaos control and synchronization technique is presented. The proposed technique is applied to achieve both control and synchronization for some autonomous chaotic dynamical systems. Numerical simulations are used to show the effectiveness of the proposed technique.

Keywords: Chaos; autonomous systems; control; synchronization.

Mathematics Subject Classification (2000): 34C15, 34C28, 49J15, 93B52.