Nonlinear Dynamics and Systems Theory, 10 (4) (2010) 397-408



On Stability of Hopfield Neural Network on Time Scales

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Received: December 20, 2009; Revised: October 19, 2010

Abstract: In the paper uniform asymptotic, exponential and uniform exponential sufficient stability conditions for the neural systems on time scales are obtained. The sufficient conditions of regressivity of system's function are given.

Keywords: *neural network; time scale; uniform stability; asymptotic stability; exponential stability; Lyapunov function.*

Mathematics Subject Classification (2000): 92B20, 68T05, 82C32.