

**Erratum: Exponential stability and periodic solutions of neural networks
with continuously distributed delays
[Phys. Rev. E **67**, 011902 (2003)]**

Shangjiang Guo and Lihong Huang
(Received 15 April 2003; published 4 June 2003)

DOI: 10.1103/PhysRevE.67.069901

PACS number(s): 87.18.Sn, 99.10.Cd

There are two typographical errors in our paper entitled “Exponential stability and periodic solutions of neural networks with continuously distributed delays” [Phys. Rev. E **67**, 011902 (2003)]. At the beginning of Cases 1 and 2 in the proof of Theorem 1, a *positive* constant λ should be changed into a *non-negative* constant λ . In fact, globally exponential stability with the exponential convergent rate $\lambda = 0$ means global asymptotical stability only. If there exists some constants $\lambda_0 > 0$ such that the refractoriness $k_j: [t_0, \infty) \rightarrow R^+$, $j = 1, 2, \dots, n$, are all continuous and integrable and satisfy

$$\int_0^{\infty} k_j(s) e^{\lambda_0 s} ds < \infty, \quad j = 1, 2, \dots, n,$$

then using a similar argument to that in our paper, we can show that the equilibrium of the considered system is globally exponentially stable with exponential convergent rate $\lambda \in (0, \lambda_0)$.