

Erratum: In-phase synchronization in complex oscillator networks by adaptive delayed feedback control [Phys. Rev. E **98, 042302 (2018)]**

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We would like to point out indexing errors in Eqs. (26), (27), and (31) of our paper. The correct expressions should be

$$\frac{\partial V_0}{\partial \tau_i}(t) = \frac{T}{2\pi} \sum_{j,k=1}^N a_{jk}[s_k(t) - s_j(t)] \left[\dot{s}_k(t) \frac{\partial \psi_{k \text{sync}}^*}{\partial \tau_i} - \dot{s}_j(t) \frac{\partial \psi_{j \text{sync}}^*}{\partial \tau_i} \right], \quad (26)$$

$$\frac{\partial V_0}{\partial \tau_i}(t) = -\frac{KC}{\eta \varepsilon T} \sum_{j,k=1}^N a_{jk}[s_k(t) - s_j(t)] [\dot{s}_k(t)(\mathbf{L}^\dagger)_{ki} - \dot{s}_j(t)(\mathbf{L}^\dagger)_{ji}], \quad (27)$$

and

$$\dot{\mathbf{x}}_i = \mathbf{f}_i(\mathbf{x}_i, u_i) + \varepsilon \sum_{j=1}^N a_{ij} \mathbf{G}_{ij}(\mathbf{x}_j, \mathbf{x}_i), \quad (31a)$$

$$\dot{\tau}_i = -\beta q_i, \quad (31b)$$

$$\dot{q}_i = -\nu q_i - \text{sgn}(KC) \sum_{j,k=1}^N a_{jk}[s_k - s_j] [(s_k - p_k)(\mathbf{L}^\dagger)_{ki} - (s_j - p_j)(\mathbf{L}^\dagger)_{ji}], \quad (31c)$$

$$\dot{p}_i = \gamma(s_i - p_i), \quad (31d)$$

$$s_i(t) = g(\mathbf{x}_i(t)), \quad (31e)$$

$$u_i(t) = K[s_i(t - \tau_i(t)) - s_i(t)], \quad (31f)$$

We also like to note that, in Sec. III A, the constant β of a gradient descent method used for the case of Stuart-Landau oscillators, given five lines from the bottom on the left hand side of p. 7, should be $\beta = 2 \times 10^{-5}$, and in Sec. III B, for the case of FitzHugh-Nagumo oscillators, given four lines from the top on the right hand side of p. 8, it should be $\beta = 3 \times 10^{-7}$.

We emphasize that these errors were misprints and do not affect the main results of the article.