

**Erratum: Self-consistent formulations for stochastic nonlinear neuronal dynamics
[Phys. Rev. E 101, 042124 (2020)]**Jonas Stapmanns, Tobias Kühn , David Dahmen, Thomas Luu, Carsten Honerkamp, and Moritz Helias

(Received 8 April 2022; published 2 May 2022)

DOI: [10.1103/PhysRevE.105.059901](https://doi.org/10.1103/PhysRevE.105.059901)

There are two typos in our paper, which had unfortunately escaped our attention.

(1) Equation (6) should read

$$\langle x \rangle \simeq x_0 + \frac{1}{2} \frac{f''(x_0)}{f'(x_0)} \frac{D}{2f'(x_0)}.$$

(2) In Fig. 6 two parameters differ from what is stated in the caption.

(a) The simulations presented in that figure are obtained for a value of $u = 0.4$ instead of 0.2.

(b) Panel (c) and correspondingly the dotted lines in (a) and (b) marked by “C” represent a value of $r = -0.22$ instead of $r = -0.31$.

Neither of these errors changes any conclusion drawn in the paper. We thank Luca Salasnich for pointing us to these inconsistencies.