

Erratum: Noise Shaping by Interval Correlations Increases Information Transfer
[Phys. Rev. Lett. 92, 080601 (2004)]

Maurice J. Chacron, Benjamin Lindner, and André Longtin

(Received 26 May 2004; published 28 July 2004)

DOI: 10.1103/PhysRevLett.93.059904

PACS numbers: 05.40.-a, 87.17.Nn, 87.19.La, 87.19.Bb, 99.10.Cd

We made some typing errors in Eqs. (6) and (7). The correct Eq. (6) reads

$$S_{A,B}(f) = S_{A_0,B_0}(f) + \left(\frac{1}{\Theta_0}\right)^2 S_{st}(f), \quad X_{A,B}(f) = \frac{1}{\Theta_0} S_{st}(f), \quad (1)$$

while the correct Eq. (7) is given by

$$C_{A,B}(f) = \left[1 + \frac{\Theta_0^2 S_{A_0,B_0}(f)}{S_{st}(f)}\right]^{-1}. \quad (2)$$

For the numerical calculations we used these correct expressions; hence, all of our results and the associated conclusions are valid.