Erratum: Aging Wiener-Khinchin theorem and critical exponents of $1/f^\beta$ noise [Phys. Rev. E **94**, 052130 (2016)]

N. Leibovich, A. Dechant, E. Lutz, and E. Barkai
(Received 22 October 2017; published 14 November 2017)

DOI: [10.1103/PhysRevE.96.059902](https://doi.org/10.1103/PhysRevE.96.059902)

In Table I the footnotes in the column for V for the blinking quantum dot model should be switched as follows:

TABLE I. The aging behavior of several models where the autocorrelation function is given in terms of $\langle I(t)I(t+\tau) \rangle \sim t^\Upsilon \phi_{\text{EA}}(\tau/t)$ and $\phi_{\text{EA}}(x) \propto a_0 - a_V x^V$ when $x \ll 1$.

Model [Ref.]	Exponent range	Υ	V	Method
Blinking quantum dot [22]	$0 < \alpha < 1$	$0^{\text{a}}, 2\alpha - 2^{\text{b}}$	$1 - \alpha^{\text{a}}, \alpha - 1^{\text{b}}$	Analytic

^aPower-law “on”/“off” waiting time [22].

^bFinite mean on time [22].

Furthermore, we have found a typographical error in Eq. (36), and the corrected equation is

$$\begin{aligned} \int_{-\infty}^{\infty} \langle S_{t_m}(\omega) \rangle d\omega &= \frac{2\pi}{t_m} \left\langle \int_0^{t_m} I^2(t) dt \right\rangle \\ &= 2\pi \langle \overline{I^2} \rangle = 2\pi t_m^\Upsilon \varphi_{\text{TA}}(0). \end{aligned} \quad (36)$$

In addition, we want to emphasize that $\langle I^2(t) \rangle$ is time dependent. Hence, to be more precise, we write Eq. (39) as follows:

$$P_T = \int_{-\infty}^{\infty} S_{t_m}(\omega) d\omega = \frac{2\pi \langle I^2(t_m) \rangle}{1 + \Upsilon}. \quad (39)$$

All other equations in the original paper still are valid, and all corrections presented above do not affect essential conclusions in the paper.

[22] G. Margolin and E. Barkai, Aging correlation functions for blinking nanocrystals, and other on-off stochastic processes, *J. Chem. Phys.* **121**, 1566 (2004).