Erratum: Dephasing of Majorana-based qubits [Phys. Rev. B **97, 125404 (2018)]**

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Equation (41) in the original article has an extra factor of L/ξ and should read

$$T_{2,\beta}^* = \tau_0 \exp\{\beta \Delta\}. \quad (1)$$

This changes our estimates in the third row of Table I to $T_{2,\beta}^* = 20$ s for all values of L/ξ . Additionally, Eq. (E3) in the original article has the same error and should read

$$T_{2,\beta}^{*-1} = \sqrt{\frac{\pi}{2 \Delta \beta}} S_{\text{ph}}(-\Delta). \quad (2)$$

These changes do not affect the main results, discussion, or conclusion of the article.