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PUBLISHER CORRECTION **OPEN** Publisher Correction: Two-qubit sweet spots for capacitively coupled exchange-only spin qubits

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Correction to: npj Quantum Information https://doi.org/10.1038/ s41534-021-00449-4, published online 16 July 2021

The original PDF version of this Article contained typesetting errors in Eqs. (9) and (12) and incorrectly read as follows:

Equation (9)

 $\hat{U}_{CPHASE} = (100001000010000 - 1), \hat{U}_{CNOT} = (1000010000010010).(9)$

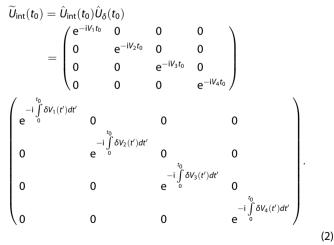
Equation (12)

$$\begin{split} \widetilde{U}_{int}(t_0) &= \hat{U}_{int}(t_0) \hat{U}_{\delta}(t_0) = (e^{-iV_1 t_0} 0000 e^{-iV_2 t_0} 0000 e^{-iV_3 t_0} 0000 e^{-iV_4 t_0}) \\ & \left(e^{-i\int\limits_{0}^{t_0} \delta V_1(t') dt'} \underbrace{0000 e^{-i\int\limits_{0}^{t_0} \delta V_2(t') dt'}_{0000 e^{-i\int\limits_{0}^{t_0} \delta V_3(t') dt'} \underbrace{0000 e^{-i\int\limits_{0}^{t_0} \delta V_4(t') dt'}_{0000 e^{-i\int\limits_{0}^{t_0} \delta V_4(t') dt'} \right). \end{split}$$

The correct form of Eq. (9) is:

$$\widehat{U}_{\text{CPHASE}} = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & -1 \end{pmatrix}, \ \widehat{U}_{\text{CNOT}} = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{pmatrix}.$$
(1)

The correct form of Eq. (12) is:



In the in-line equation right below Eq. (12), the tilde on the second U was rendered across "U", instead of above it. It incorrectly read:

$$\mathcal{F} = \frac{1}{d^2} |\operatorname{Tr} (\mathbf{U}^{\dagger} \mathbf{U})|^2$$

The correct form of this equation is:

$$\mathcal{F} = \frac{1}{d^2} \left| \mathrm{Tr} \left(U^{\dagger} \tilde{U} \right) \right|^2,$$

The equation label "(12)" was also incorrectly omitted.

This has now been corrected in the PDF version of the Article. The HTML version is correct and remains unchanged.

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