

**Erratum: Multipulse Double-Quantum Magnetometry
with Near-Surface Nitrogen-Vacancy Centers
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On p. 030803-3, the expression

$$U_0(\omega_e t) = \begin{pmatrix} \frac{1+\cos(\omega_e t)}{2} & \frac{-i \sin(\omega_e t)}{\sqrt{2}} & \frac{-1+\cos(\omega_e t)}{2} \\ \frac{-i \sin(\omega_e t)}{\sqrt{2}} & 1 & \frac{-i \sin(\omega_e t)}{\sqrt{2}} \\ \frac{-1+\cos(\omega_e t)}{2} & \frac{-i \sin(\omega_e t)}{\sqrt{2}} & \frac{1+\cos(\omega_e t)}{2} \end{pmatrix}$$

should have read

$$U_0(\omega_e t) = \begin{pmatrix} \frac{1+\cos(\omega_e t)}{2} & \frac{-i \sin(\omega_e t)}{\sqrt{2}} & \frac{-1+\cos(\omega_e t)}{2} \\ \frac{-i \sin(\omega_e t)}{\sqrt{2}} & \cos(\omega_e t) & \frac{-i \sin(\omega_e t)}{\sqrt{2}} \\ \frac{-1+\cos(\omega_e t)}{2} & \frac{-i \sin(\omega_e t)}{\sqrt{2}} & \frac{1+\cos(\omega_e t)}{2} \end{pmatrix}.$$

Similarly, the associated equation

$$U_0(\pi) = \begin{pmatrix} 0 & 0 & -1 \\ 0 & 1 & 0 \\ -1 & 0 & 0 \end{pmatrix}$$

should have read

$$U_0(\pi) = \begin{pmatrix} 0 & 0 & -1 \\ 0 & -1 & 0 \\ -1 & 0 & 0 \end{pmatrix}.$$

The expression on p. 030803-2 for $U(t, B_1, B_2, \delta_1, \delta_2)$, from which these were derived, is correct as published. These transcriptional errors do not affect the results or conclusions of the paper in any way.