

**Erratum: Kerr nonlinearity in a superconducting Josephson metamaterial**  
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In the original paper, Eq. (12) contains a typographical error: all factors  $\sqrt{C}$  should read as  $\sqrt{C_J}$ . Equation (14) contains two typographical errors: an extra factor of  $\hbar$  and a wrong sign. Its correct form is

$$K_{kk'} = \left( \frac{1}{2} - \frac{\delta_{kk'}}{8} \right) \frac{\hbar \omega_k \omega_{k'}}{2NE_J}.$$

All subsequent analysis of the original paper was based on the correct Eqs. (12) and (13) applied to the long-range Coulomb case. Therefore, no results of our original paper are affected by the mentioned errors.