

Erratum: Nonlocal Andreev transport through a quantum dot in a magnetic field: Interplay between Kondo, Zeeman, and Cooper-pair correlations [Phys. Rev. B **109, 035404 (2024)]**

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There were typesetting errors in Eqs. (B2) and (D1), where the charge current I_R and spin current $I_{R,\text{spin}}$ were expressed in terms of the Green's function. The corrected equations are as follows:

$$I_R = \frac{e}{h} \int_{-\infty}^{\infty} d\omega (-i)\Gamma_R \text{Tr}[G_{dd}^r \Sigma_{\text{tot}}^K G_{dd}^a \tau_3 - (1 - 2f_R) G_{dd}^r \{\Sigma_{\text{tot}}^{-+} - \Sigma_{\text{tot}}^{+-}\} G_{dd}^a \tau_3], \quad (\text{B2})$$

and

$$\begin{aligned} I_{R,\text{spin}} &\equiv I_{R,\uparrow} - I_{R,\downarrow} \\ &= \frac{e}{h} \int_{-\infty}^{\infty} d\omega (-i)\Gamma_R \text{Tr}[G_{dd}^r \Sigma_{\text{tot}}^K G_{dd}^a - (1 - 2f_R) G_{dd}^r \{\Sigma_{\text{tot}}^{-+} - \Sigma_{\text{tot}}^{+-}\} G_{dd}^a]. \end{aligned} \quad (\text{D1})$$

Correspondingly, the explanation given at the end of the paragraph below Eq. (B6) should be replaced by the following:

“Furthermore, the integrand on the right-hand side of Eq. (B2) vanishes at $eV_v = 0$, since $\Sigma_{\text{tot}}^K(\omega)|_{eV_v=0} = (1 - 2f)[\Sigma_{\text{tot}}^{-+} - \Sigma_{\text{tot}}^{+-}]_{eV_v=0}$.”

In addition, the sentence just above Eq. (B7) should be replaced as follows:

“Consequently, at $T = 0$, the linear-response current can be calculated using Eq. (B2), by replacing Σ_{tot}^{-+} , Σ_{tot}^{+-} , and Σ_{tot}^K in the integrand with their noninteracting counterparts:”

There is also a typographical error on the left-hand side of Eq. (C5), which should be corrected to

$$-\Gamma_N^2 \text{Tr}[G_{dd}^r(0) G_{dd}^a(0)] = \dots$$

All these changes are confined in the Appendix and do not affect any of the results or the conclusions presented in the paper.