Erratum: Theory of charge transport in diffusive normal metal/unconventional singlet superconductor contacts **[Phys. Rev. B **69**, 144519 (2004)]**

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There are typos in the definition of several equations. We show the correct versions in the following. These are only typos in the intermediate equations, while all final results and figures are correct and are not changed.

(1) The correct expression of Eq. (11) is

$$\check{I} = \sum_n \frac{2e^2}{h} 2T_{1n} (1 + T_{1n}^2 + T_{1n} [\check{H}_+, \check{G}_1]_+)^{-1} [\check{H}_+, \check{G}_1].$$

(2) The correct expression of Eq. (15) is

$$I_b = \frac{e^2}{2h} \sum_n \text{Tr}[\hat{I}_{Kn} \hat{\tau}_3]$$

with

$$\hat{I}_K = \frac{2e^2}{h} \sum_n \hat{I}_{Kn}.$$

(3) Trace is missing in Eqs. (18) and (20).

(4) In Eq. (23), the definition of Λ_2 is given by

$$\Lambda_2 = \text{Re}\{g_+(\cos \theta_0 + \cos \theta_0^*) + f_+(\sin \theta_0 + \sin \theta_0^*)\}.$$

(5) The correct expression of Eq. (26) is given by

$$\frac{L}{R_d} \left[\check{G}_N(x) \frac{\partial \check{G}_N(x)}{\partial x} \right] \Big|_{x=0_-} = - \frac{h}{2e^2 R_b} \langle \check{I}(\phi) \rangle$$

with $\check{I}(\phi) = 2e^2/h \check{I}_{n0}$.

(6) The correct definition of R_b below Eqs. (27) and (42) is given by

$$R_b = \frac{2R_0}{\int_{-\pi/2}^{\pi/2} d\phi T(\phi) \cos \phi}$$

with Sharvin resistance at the interface R_0 .

(7) Below Eq. (32), the correct boundary condition is given by

$$\frac{L}{R_d} \left(\frac{\partial f_{3N}}{\partial x} \right) \cosh^2[\text{Im}(\theta_0)]|_{x=0_-} = - \frac{\langle I_{b0} \rangle f_{3N}(0_-)}{R_b},$$

$$I_{b0} = \frac{T_n}{2} \frac{C_0}{|(2 - T_n)(1 + g_+ g_- + f_+ f_-) + T_n[\cos \theta_0(g_+ + g_-) + \sin \theta_0(f_+ + f_-)]|^2}$$

$$C_0 = T_n(1 + |\cos \theta_0|^2 + |\sin \theta_0|^2) \times [|g_+ + g_-|^2 + |f_+ + f_-|^2 + |1 + f_+ f_- + g_+ g_-|^2 + |f_+ g_- - g_+ f_-|^2] + 2(2 - T_n) \text{Re}\{(1 + g_+^* g_-^* + f_+^* f_-^*) \times [(\cos \theta_0 + \cos \theta_0^*)(g_+ + g_-) + (\sin \theta_0 + \sin \theta_0^*)(f_+ + f_-)]\} + 4T_n \text{Im}(\cos \theta_0 \sin \theta_0^*) \text{Im}[(f_+ + f_-)(g_+^* + g_-^*)].$$

(8) In the Appendix, the definition of v and v_n is given by v_F and v_{Fx} , respectively.