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Due to a mistake in the final step of the preparation of Ref. [1] in the editorial office, some of the equation numbers were wrongly changed. In Appendix of this reference, the equation numbers (23) to (29) should be corrected as (A1) to (A7) as follows.

\[ P(r_1, r_2, \omega) = P_0(r_1, r_2, \omega) + \int \int d r_3 d r_4 P_0(r_1, r_3, \omega) \times e^2 G_0(r_3 - r_4, \omega) P(r_4, r_2, \omega), \quad (A1) \]

\[ P_0(r_1, r_2, \omega) = \frac{2}{\hbar} \sum_{n, n'} | \psi_n^*(r_1) \cdot \psi_n(r_2) \cdot \psi_{n'}^*(r_2) \cdot \psi_{n'}(r_1) | \times \theta(E_F - E_n) / \omega + (E_n - E_{n'}) / \hbar + i \eta, \quad (A2) \]

\[ \left[ \frac{\hbar^2}{2 m_e} \nabla^2 + V(r) \right] \psi_n(r) = E_n \psi_n(r). \quad (A3) \]

\[ \left( \nabla^2 + \frac{\omega^2}{c^2} \right) G_0(r - r_1, \omega) = -4 \pi \delta(r - r_1), \]

\[ G_0(r - r_1, \omega) = \frac{1}{\omega + (E_n - E_{n'}) / \hbar} \approx \frac{1}{\omega} \left[ 1 - \frac{E_n - E_{n'}}{\hbar \omega} \right], \quad (A4) \]