

ADDITIONS AND CORRECTIONS

2003, Volume 107B

Yoshihiro Asai: Theory of Electric Conductance of DNA Molecule

Page 4649. Equation 20a was published with a typographical error. The corrected equation reads as follows:

$$\begin{aligned} \text{Re}[\sigma(\omega)] &= \frac{1 - e^{-\beta\omega}}{2\omega} t^2 \left(\frac{e}{\hbar} \right)^2 \sum_{\substack{j,j' \\ \delta,\delta'}} \delta\delta' \int_{-\infty}^{\infty} dt e^{i\omega t} \langle c_j^\dagger(t) c_{j+\delta}(t) c_{j'+\delta'}^\dagger c_{j'} \rangle \langle X_j^\dagger(t) X_{j+\delta}(t) X_{j'+\delta'}^\dagger X_{j'} \rangle \\ &\cong \frac{1}{2} z t^2 \left(\frac{M_0}{\Omega} \right) \left(\frac{e}{\hbar} \right)^2 c(1-c) \frac{1 - e^{-\beta\omega}}{\omega} U(\omega) \quad (20.a) \end{aligned}$$

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