

**Erratum: Analytical approach to optical absorption in carbon nanotubes
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The expression for Ψ_2 in Eq. (12) contains a sign mistake. The correct expression is:

$$\Psi_2 = \pi m \frac{n_1 + 2n_2}{N} + 2\pi \frac{n_1}{q} k_z.$$

This equation for Ψ_2 has been used for the calculation of the results presented in the paper. Therefore, this erratum does not affect any result or the conclusions of our paper.