



Correction

Correction: Recent advances in the development of ultrafast electronic circular dichroism for probing the conformational dynamics of biomolecules in solution

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In Eq. (2), a typo occurred; it should read as:

$$\text{ORD} = 2\pi \cdot (n_L - n_R) \cdot l/\lambda \quad (2)$$

with λ , the wavelength and $(n_L - n_R)$, the difference of the refractive index associated with right and left-circularly polarized light.

In Eq. (11), CD corresponds to a differential absorption expressed in mOD.

In Eqs. (15) and (16), a typo occurred. The square of E_0 should appear. The correct equations read as:

$$I_x^{\text{out}} = |E_x^{\text{out}}|^2 = \frac{1}{2} E_0^2 e^{-\alpha L} \left(1 + \frac{\text{CD}^*}{2} + \frac{\text{CD}^{*2}}{16} - \frac{\text{ORD}^2}{4} \right) \quad (15)$$

$$I_y^{\text{out}} = |E_y^{\text{out}}|^2 = \frac{1}{2} E_0^2 e^{-\alpha L} \left(1 - \frac{\text{CD}^*}{2} + \frac{\text{CD}^{*2}}{16} - \frac{\text{ORD}^2}{4} \right) \quad (16)$$

In Eq. (17), a factor 2 is missing. The correct expression read as:

$$S_0 = 2 \frac{(I_x^{\text{out}} - I_y^{\text{out}})}{(I_x^{\text{out}} + I_y^{\text{out}})} = \ln(10) \cdot \text{CD} \quad (17)$$

These corrections do not affect the remainder of the paper.

The original article has been corrected.

The original article can be found online at <https://doi.org/10.1140/epjs/s11734-022-00679-3>.

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