


## Erratum: Exciton-polaron spectral structures in two-dimensional hybrid lead-halide perovskites [Phys. Rev. Materials 2, 064605 (2018)]

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### APPENDIX A: MODIFIED ELLIOTT FORMULA

We report a typographical error in Eq. (A1). The correct expression is the following:

$$\begin{aligned} \alpha(\hbar\omega) &= \alpha_{\text{exc}} + \alpha_{\text{cont}} \\ &= \alpha_0 \left( \sum_{n=1}^{\infty} \left\{ \sum_{j=2}^{j=4} \frac{X_j E_j}{(n - \frac{1}{2})^3} \operatorname{sech} \left( \frac{\hbar\omega - E_g + \frac{E_j}{(n - \frac{1}{2})^2}}{\Gamma_{\text{exc}}} \right) \right. \right. \\ &\quad \left. \left. + \sum_{m_i} \frac{X_1 E_0}{(n - \frac{1}{2})^3} \operatorname{sech} \left( \frac{\hbar\omega - E_g + \frac{E_0}{(n - \frac{1}{2})^2}}{\Gamma_{\text{exc}}} \right) \delta \left[ \hbar\omega - \left( E_g - \frac{E_0}{(n - \frac{1}{2})^2} \right) - \sum_i m_i \hbar\omega_i \right] \prod_i \frac{e^{-S_i} S_i^{m_i}}{m_i!} \right\} \right. \\ &\quad \left. + \int_{E_g}^{\infty} \operatorname{sech} \left( \frac{\hbar\omega - \varepsilon}{\Gamma_c} \right) \frac{2}{1 + e^{-2\pi\sqrt{\frac{E_0}{\hbar\omega - E_g}}}} \frac{1}{\left[ 1 - \frac{\alpha 8m_s}{\hbar^4} (\varepsilon - E_g) \right]} d\varepsilon \right). \end{aligned}$$

The analysis presented in the paper, stemming from this expression, was performed with its correct form, and the error in the published paper does not affect the conclusions in any manner.