Electron optical phonon interaction in equilateral triangular quantum dot and quantum wire

Corrigendum

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It has come to the attention of the authors that in the above article some errors occurred.

- There is an error in figure 2. The $+\infty$ and $-\infty$ should be replaced by $\frac{L_z}{2}$ and $-\frac{L_z}{2}$, respectively. L_z is the length of equilateral triangular quantum wire.

- Equation (54) should be replaced by

$$C^2_{lmk} = \frac{32\pi^2}{\sqrt{3}L_z n^* \mu \left[4\left(l^2 + m^2 + lm\right)\pi^2 + k^2 A^2 \right]} \left(\frac{n^* e}{1 + \frac{8}{3}\pi n^* \alpha} \right)^2$$

$$= \frac{8\pi \omega^2_{\mathrm{LO}}}{\sqrt{3}L_z[4(l^2 + m^2 + lm)\pi^2 + k^2 A^2]} \left(\frac{1}{\varepsilon_\infty} - \frac{1}{\varepsilon_0} \right).$$

- Equation (62) should be replaced by

$$\Gamma^2_{lmk} = \frac{8\pi \hbar e^2 \omega_{\mathrm{LO}}}{\sqrt{3}L_z[4(l^2 + m^2 + lm)\pi^2 + k^2 A^2]} \left(\frac{1}{\varepsilon_\infty} - \frac{1}{\varepsilon_0} \right).$$

These errors do not affect the conclusions of the paper. The authors apologize for these errors and any possible inconvenience they have caused.