Erratum: Analytic model of the energy spectrum of a graphene quantum dot in a perpendicular magnetic field [Phys. Rev. B **78, 195427 (2008)]**

S. Schnez, Klaus Ensslin, M. Sigrist, and T. Ihn
(Received 5 December 2016; published 10 January 2017)

DOI: [10.1103/PhysRevB.95.039901](https://doi.org/10.1103/PhysRevB.95.039901)

The use of the parameter m in Eq. (11) of our publication is incorrect. Rather, it should read

$$E = \pm v_F \sqrt{2e\hbar B(m + 1 + p)}, \quad (1)$$

where m is the previously defined quantum number and p is an integer with $p > -(m + 1)$. This follows from the fact that Eq. (6) in our publication can be simplified to $[\Gamma(\alpha)\Gamma(-\alpha)]^{-1} = 0$ in the limit $R/l_B \rightarrow \infty$ with $\alpha := k^2 l_B^2 / 2 - m - 1$. This is fulfilled for $\alpha = \pm p$ and p being an integer. The later restriction of $p > -(m + 1)$ is then required to make the radicand non-negative.

The mathematical derivation based on our ansatz as described in our original publication is correct.