**Publisher's Note: Graphene under the influence of Aharonov-Bohm flux and constant magnetic field
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This paper was published online on 1 September 2016 with an error in Eq. (29).
Equation (29) should read as

$$\mathcal{L}_{\text{eff}} = -\frac{1}{8\pi^2} \int_0^\infty \frac{dz}{z} e^{-zm^2} \left[(|e|B/z) \coth(|e|zB) - \frac{1}{z^2} - \frac{e^2 B^2}{3} \right].$$

The equation has been corrected as of 31 October 2016. The equation is incorrect in the printed version of the journal.