Erratum: Specular graphene transport barrier [Phys. Rev. B **90, 035452 (2014)]**

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We discovered a typographical error in Eq. (23), which should read as follows:

$$p = 1 - \frac{1}{3} \left[1 - \frac{1}{3} \left(1 - \frac{1}{3} \cdots \right) \right] = \sum_{n=0}^{\infty} \left(-\frac{1}{3} \right)^n = \frac{3}{4}.$$

Also, the calculation presented in Fig. 4(a) was performed on a barrier that, in addition to the site-diagonal potential -10 eV described in the text, had additional couplings of the same strength between sites inside the barrier. Without these extra couplings, the transmission probability is exponentially small due to the barrier potential being greater than the π -orbital bandwidth. The extra couplings do not affect the conclusions, as the purpose of the calculation was to illustrate the applicability of the analytical model to a barrier with an arbitrary potential, as long as the requirements are met.