

## Erratum to: Dielectric function of graphene based quantum dot under the uniaxial stress

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We realized that due to an unfortunate mistake the expression of the basis vectors has been omitted in the second page of the paper. When the stress is applied along the  $x$  direction, the basis vectors, generating the real space points can be written as:

$$\mathbf{a}_1 = \frac{a}{2}(3\eta, \sqrt{3}), \quad \mathbf{a}_2 = \frac{a}{2}(3\eta, -\sqrt{3}), \quad (1)$$

$\eta$  is the parameter characterizing the stress process.

In addition both parts of Figure 2 presenting the imaginary part of the  $\epsilon_{xx}$ . Consequently the vertical axis of the inner part of this figure should be  $\text{Im}(\epsilon_{xx})$ . We apologize for the inconvenience that these mistakes may have caused.

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