Erratum: Parametric interatomic potential for graphene [Phys. Rev. B 79, 075442 (2009)]

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Equations (2), (12), (14), and (22) in our paper are incorrect. The corrected versions are given below:

$$W_b = A[F_{C1} + F_{C2}]\exp(-\alpha r) - B\exp(-\beta r), \tag{2}$$

$$T(\mathrm{A1,C1}) = [\mathbf{V}(\mathrm{C1,A1}) \times \mathbf{V}(\mathrm{C1,B1}) \cdot \mathbf{V}(\mathrm{C2,A2})]^2 + [\mathbf{V}(\mathrm{C1,A1}) \times \mathbf{V}(\mathrm{C1,B1}) \cdot \mathbf{V}(\mathrm{C2,B2})]^2, \tag{12}$$

$$W_{bI,J} = A[F_I + F_J]\exp(-\alpha r_{I,J}) - B\exp(-\beta r_{I,J}), \tag{14}$$

$$T_{K,I} = \sum_{K'} \sum_{L} [V_{I,K} \times V_{I,K'} \cdot V_{J,L}]^2. \tag{22}$$

The errors were caused in transferring the equations from the computer program. We also found that the potential becomes unstable for finite deformations. We regret the errors and the resulting inconvenience to the readers.

