Erratum: Dynamic conductivity and weak localization in a tunneling superlattice [Phys. Rev. B 44, 5651 (1991)]

X. J. Lu and N. J. M. Horing

There are typographical errors in Eqs. (6) and (A6). Equation (6) should read

$$H' = -e \sum_{\mathbf{k}} \frac{\partial \varepsilon_{\mathbf{k}}}{\partial \mathbf{k}} c_{\mathbf{k}}^{\dagger} c_{\mathbf{k}} \cdot \mathbf{A}(t) \ .$$

Equation (A6) should read

$$\langle \dot{z} \rangle = \langle i[z, H_{\text{eff}}] \rangle = \frac{\partial \varepsilon_{\mathbf{k}}}{\partial k_0} + \left\langle \left[\frac{\partial^2 \varepsilon_{\mathbf{k}}}{\partial k^2} (k - k_0) \right] \right\rangle - \frac{\partial^2 \varepsilon_{\mathbf{k}}}{\partial k_0^2} A_z$$

$$= \left\langle \frac{\partial \varepsilon_{\mathbf{k}}}{\partial k} \right\rangle - \frac{\partial^2 \varepsilon_{\mathbf{k}}}{\partial k_0^2} A_z \ .$$

Erratum: Isotopic dependence of the lattice constant of diamond [Phys. Rev. B 44, 7123 (1991)]

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We reported lattice constants for five synthetic diamonds whose atom fractions of ^{13}C were given as 0.001, 0.011, 0.38, 0.68, and 0.99, respectively. The uncertainties in these mole fractions were believed to be at most 0.01 for the three ^{13}C-enriched specimens and much less for the other two specimens. Subsequent measurements have shown that the compositions for the third and fourth specimens in this series are somewhat outside the range of uncertainty that we reported. The revised atom fractions of ^{13}C are 0.0007, 0.011, 0.344, 0.657, and 0.99, respectively. These new values do not significantly affect our result for the isotopic dependence of the lattice constant. Previously a least-squares fit to the data gave

$$a_0(\text{C}, 25\,^{\circ}\text{C}, x) = 3.567\,15 - 0.000\,53x\,\text{Å} \ ,$$

where x is the atom fraction of ^{13}C. With the corrected isotopic compositions this is only minimally changed to

$$a_0(\text{C}, 25\,^{\circ}\text{C}, x) = 3.567\,14 - 0.000\,54x\,\text{Å} \ ,$$

which is within the range of experimental uncertainty of the original result. The revised Fig. 2, given here, reflects the corrected compositions.

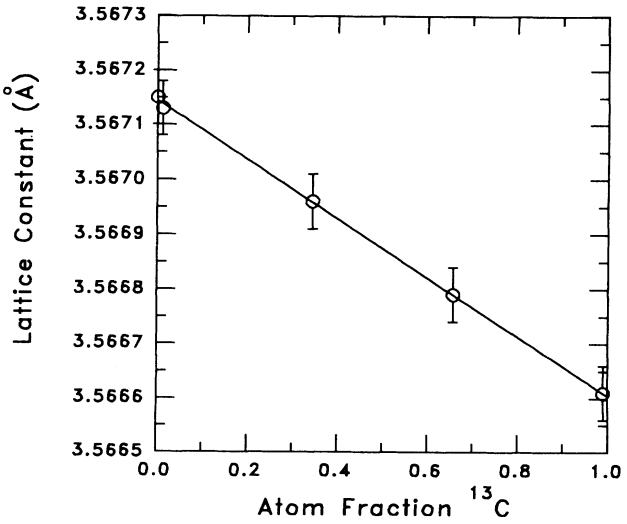

FIG. 2. Isotopic dependence of the lattice constant of diamond at 25 °C. The line is a least-squares fit to the data.