Errata

Erratum: Voltage-dependent scanning-tunneling microscopy of a crystal surface: Graphite
[Phys. Rev. B **31**, 2602 (1985)]

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The caption to Fig. 4 should read as follows:

FIG. 4. Height-corrugation maps (in Å) in the (x,y) plane for some voltages. The carbon atom at the origin (A) lies on top of another carbon atom in the second layer, while that at $(0,1.42)$ Å (B) does not. Note that the $V=0$ height corrugation of B is larger than A by about 0.15 Å.

Erratum: Electronic response function of coupled chains of finite radius
[Phys. Rev. B **32**, 2030 (1985)]

Minette M. Mohan and A. Griffin

In expanding $K_0(p_x \mid \mathbf{r}_\perp + \mathbf{R} \mid)$ in (38), we did not keep all terms of order $(r_\perp /R)^2$. The correct expansion leads to

$$u_B(\mathbf{p}) = u_B^0(\mathbf{p})(1 + \tfrac{1}{2}p_x^2 r_0^2)$$

in place of (41), where $u_B^0(\mathbf{p})$ is still given by (36). Combining this with $u_A(p_x)$ in (29), we now obtain $(A_c = \pi a^2)$

$$\lim_{\mathbf{p}\to 0} u(\mathbf{p}) = e^2 \left[\frac{4\pi}{A_c p^2} - \ln\frac{2r_0^2}{a^2} + \gamma - 1 + 2\frac{r_0^2}{a^2}\frac{p_x^2}{p^2} + r_0^2 p_x^2 \ln\frac{p_x a}{2} + \cdots \right]$$

instead of (43). The last two terms give the leading corrections to the *interchain* interaction due to the finite radius r_0 of the chains. The appropriate change must be made in the plasmon dispersion relation in (49). We would like to thank Professor Godfrey Gumbs for pointing out this error.

We also take this opportunity to correct two typographical errors: Equation (51) should involve the number of electrons N_e in a chain and in the integrand of Eq. (45), one should replace p^2 by $p_\perp^2$.

Erratum: Density-functional approximation for the correlation energy of the inhomogeneous electron gas
[Phys. Rev. B **33**, 8822 (1986)]

John P. Perdew

In the last line of Eq. (10), $(1+\Phi-\Phi^2)$ should be replaced by $2^{2/3}(1-\Phi)$, and $(2+2\Phi-\Phi^2)$ should be replaced by $2^{2/3}(2-\Phi)$. The neglected "small derivatives of $C(n)$" contribute to Eq. (10) a term

$$d^{-1}e^{-\Phi}\frac{\mid \nabla n \mid^2}{n^{4/3}}(\Phi^2 - \Phi - 1)\frac{dC}{dn}$$

which should be included in self-consistent calculations. The author thanks Wang Yue for checking and correcting this formula. Numerical results in the paper are not affected by these corrections.