ERRATA

Erratum: Anisotropic surface acoustic wave scattering in quantum-wire arrays [Phys. Rev. B 54, R8337 (1996)]

G. R. Nash, S. J. Bending, M. Boero, P. Grambow, K. Eberl, and Y. Kershaw

[S0163-1829(97)02415-6]

The following are corrections to mistakes in our paper:

(1) In the second column, 18th line of page R8337, 300 meV should read 300 neV.

(2) In the first column, third line of the second paragraph, the sentence should read: ''This prohibits all SAW absorption except for the Umklapp-like process . . . ''

These minor changes do not affect the results or conclusions of this paper.

0163-1829/97/55(15)/10120(1)/$10.00

Erratum: Self-consistent GW_0 results for the electron gas: Fixed screened potential W_0 within the random-phase approximation [Phys. Rev. B 54, 8411 (1996)]

Ulf von Barth and Bengt Holm

[S0163-1829(97)00715-7]

Due to a production error, the figures in the article do not correspond to their captions. The axes are, however, correctly labeled. For clarity, the figures and their captions follow here in the order they are referred to in the text.

Further, in the text, one reference to the figures is wrong. In Sec. III, page 8414, between Eqs. (24) and (25), the parentheses reads ($k^2/2-k_F^2/2$; see Fig. 3), but should be ($k^2/2-k_F^2/2$; see Fig. 5). Also, the original receipt data should read 29 April 1996.

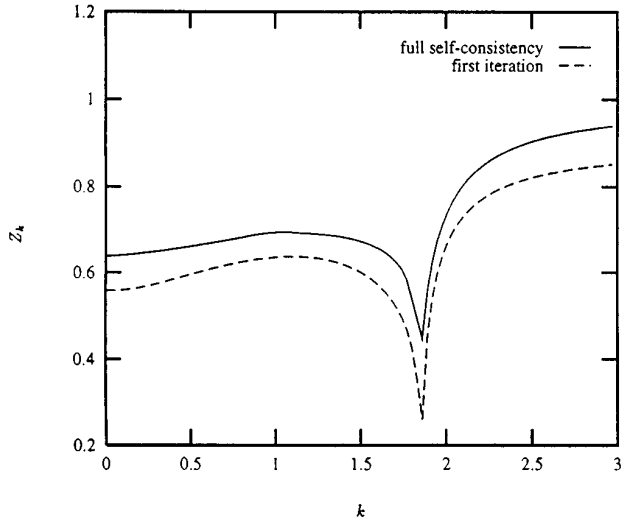

FIG. 1. The quasiparticle renormalization factor $Z(k)$ as a function of momentum k ($r_s=4$).

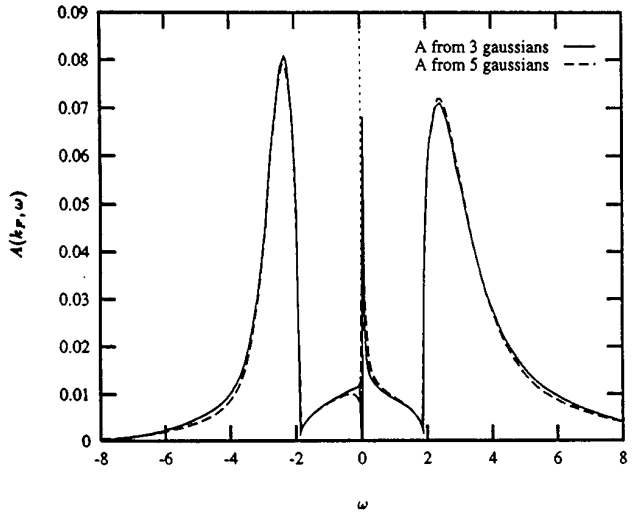

FIG. 2. The self-consistent spectral function $A(k=k_F,\omega)$ [Eq. (1)] is shown at two different levels of approximations using three and five Gaussians in Eq. (2). This demonstrates the insensitivity of the output $A(\omega)$ to the input $A(\omega)$.

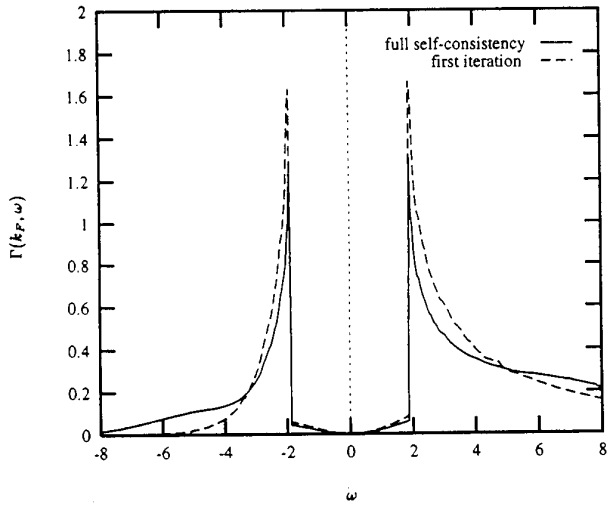

FIG. 3. The self-consistent spectral function of the self-energy at the Fermi surface ($k/k_F=1$) compared to that of the first iteration. Note the reduction in magnitude and the spreading of the total weight.

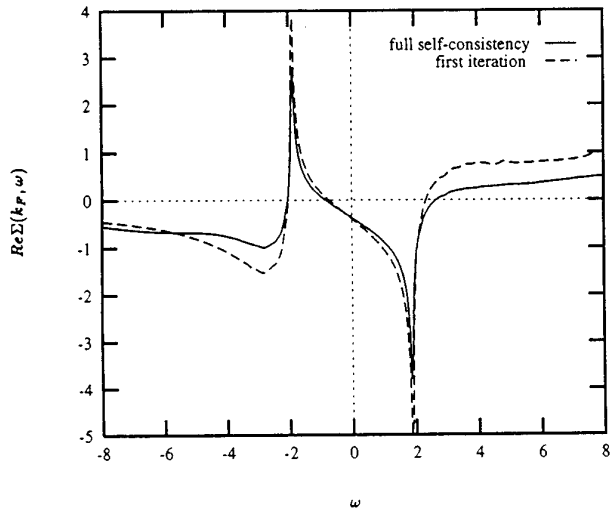

FIG. 4. The real part of the self-energy of the self-consistent calculation and of the first iteration respectively. Note the less steep slope at the Fermi energy for the self-consistent case.

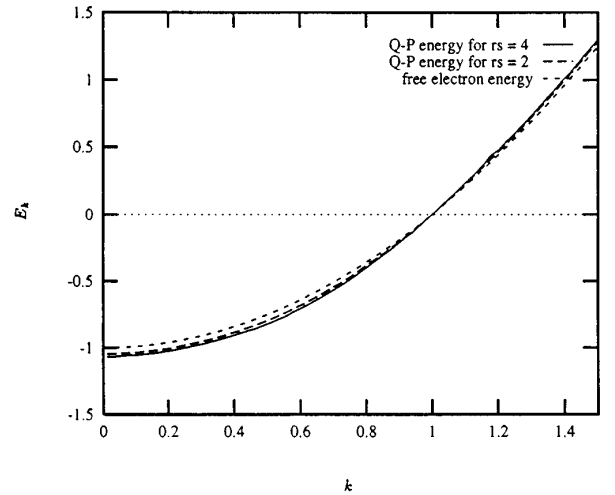

FIG. 5. The quasiparticle dispersion ($E_{\mathbf{k}}$) for two electron densities, $r_s=2$ and $r_s=4$ where r_s is the usual electron gas parameter. The largest change in the bandwidth occurs for $r_s=4$.

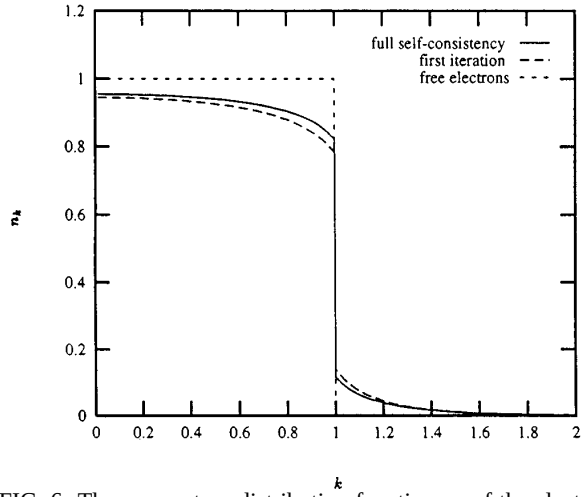

FIG. 6. The momentum distribution function $n_{\mathbf{k}}$ of the electrons for three cases: (i) the self-consistent case, (ii) the first iteration, and (iii) the noninteracting electron gas. The quasiparticle renormalization factor at the Fermi surface here shows up as the magnitude of the discontinuity, which is increased by self-consistency ($r_s=4$).

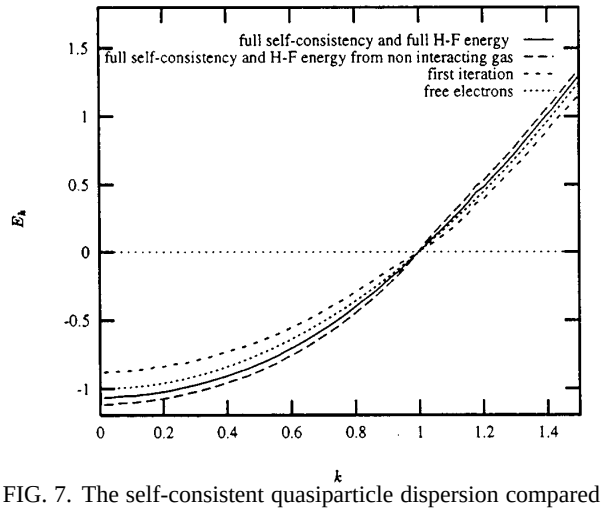

FIG. 7. The self-consistent quasiparticle dispersion compared to that from the first iteration. Also shown is the free-electron dispersion and that obtained by using the noninteracting $n_{\mathbf{k}}$ when calculating the Hartree-Fock self-energy ($r_s=4$).

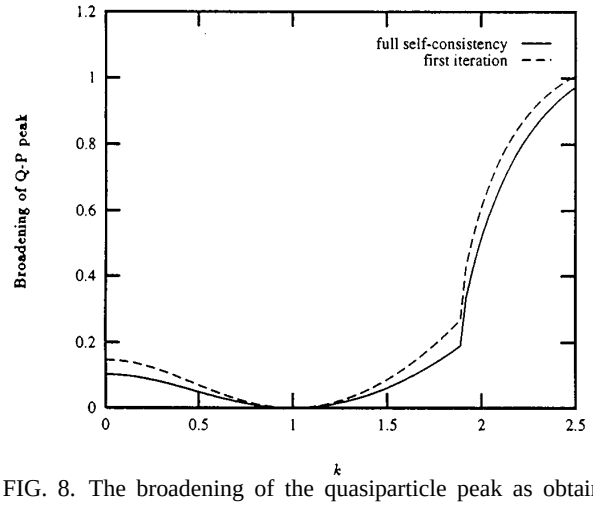

FIG. 8. The broadening of the quasiparticle peak as obtained from the spectral function (multiplied by π) of the self-energy evaluated at the quasiparticle energy. The sharpening of the quasiparticle peak due to self-consistency is evident ($r_s=4$).

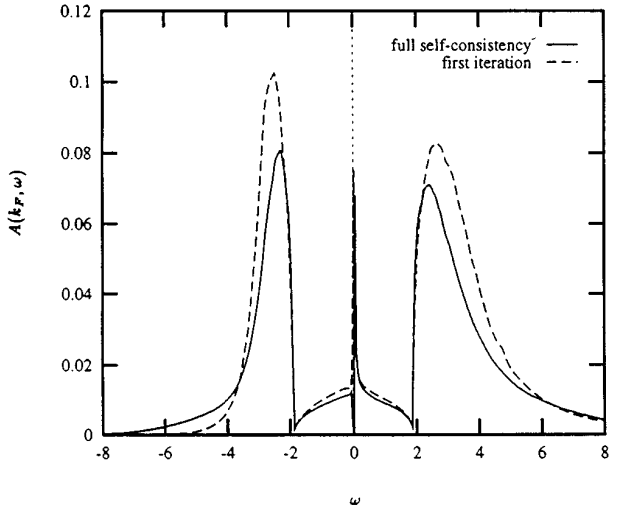

FIG. 9. The self-consistent spectral function $A(k=k_F,\omega)$ [Eq. (1)] compared to that of the first iteration. Here, the quasiparticle peak is too large and narrow to be displayed in the figure. Only the plasmon side bands are shown ($r_s=4$).

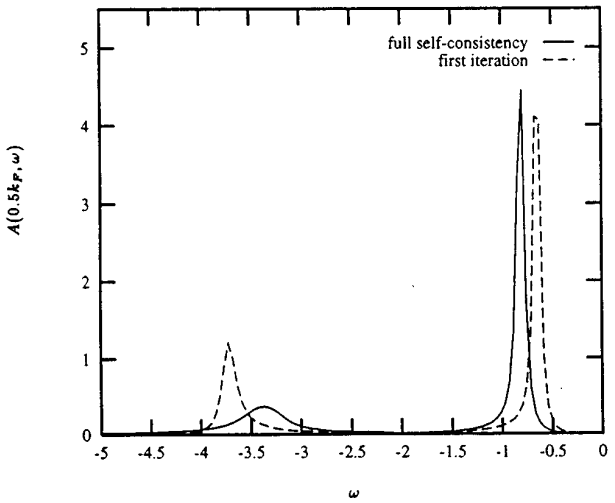

FIG. 10. The self-consistent spectral function $A(k=0.5k_F,\omega)$ [Eq. (1)] compared to that of the first iteration ($r_s=4$).

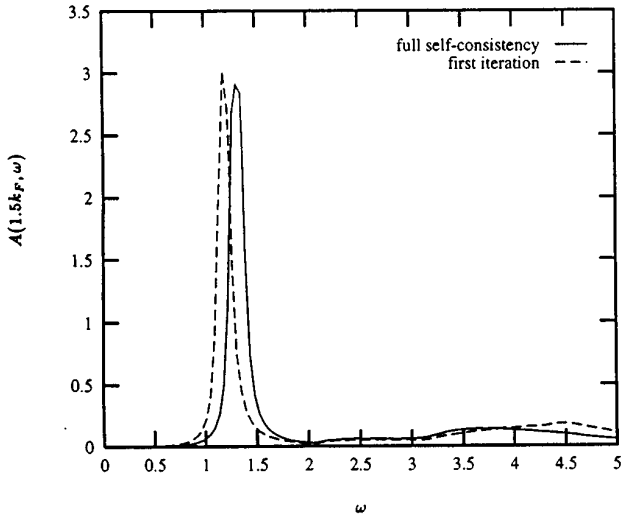

FIG. 11. The self-consistent spectral function $A(k=1.5k_F,\omega)$ [Eq. (1)] compared to that of the first iteration ($r_s=4$).

Erratum: Direct test of the composite-fermion model in quantum Hall systems [Phys. Rev. B 54, 8699 (1996)]

Sudhansu S. Mandal and V. Ravishankar

[S0163-1829(97)01716-5]

The following errors were discovered subsequent to publication:

The sentence before Eq. (3.2) [The factor $\gamma=2$ when $\cdots$] should be replaced by the following: The value of the factor γ depends on the quantity which we evaluate. (i) For density-density correlations, $\gamma=2$ when the Landau level n_1 for both up and down spins is occupied and $\gamma=1$ otherwise. (ii) For spin density correlations, $\gamma=0$ for unpolarized states, $\gamma=1$ for fully polarized states, and γ is fractional taking a value between 0 and 1 for partially polarized states.

Equation (4.17) should read as

$$\omega_n = n\overline{\omega_c} + E^{\uparrow}_{n0} - \widetilde{V}^{(1)}_{n00n}(\mathbf{q})$$

since $\gamma=0$ in this case.

Equation (4.18) should read as

$$\omega_1 = \overline{\omega_c} - \frac{e^2}{\epsilon l_0}\frac{1}{4}\mathbf{q}^{-2},$$

$$\omega_2 = 2\overline{\omega_c} + \frac{e^2}{\epsilon l_0}\left[\frac{1}{4}\sqrt{\frac{\pi}{2}} - \frac{1}{16}\sqrt{\frac{\pi}{2}}\mathbf{q}^{-2}\right],$$

$$\omega_3 = \omega_c + \frac{e^2}{\epsilon l_0}\left[\frac{3}{8}\sqrt{\frac{\pi}{2}} - \frac{1}{32}\sqrt{\frac{\pi}{2}}\mathbf{q}^{-2}\right].$$

The first equation in Eq. (4.19) should read as

$$\mathrm{Res}(\Sigma_{\mathrm{unp}})\big|_{\omega_1} = -e^2\mathbf{q}^2\omega_c\frac{\nu}{2\pi}.$$

The other two equations in Eq. (4.19) remain the same.

Figure 1 in the paper should be changed as in Fig. 1 here.

Equation (A2) should read as

$$\widetilde{V}_{n_1 n_2 n_2 n_1}(\mathbf{q}) = \frac{2^{n_2} n_2!}{2^{n_1} n_1!}\int \frac{d^2\mathbf{r}}{2\pi l_0^2} V(\mathbf{r} - l_0^2\mathbf{q}\times\hat{z}) e^{-r^2/2l_0^2}\left(\frac{r^2}{l_0^2}\right)^{n_1-n_2}\left[L_{n_2}^{n_1-n_2}\left(\frac{r^2}{2l_0^2}\right)\right]^2.$$

In Sec. IV C, $|q|$ should be changed to $(|\mathbf{q}|)$.

These corrections do not effect our conclusions.

We are grateful to Professor B. I. Halperin for pointing the errors (1–5) out to us.

0163-1829/97/55(15)/10123(2)/$10.00

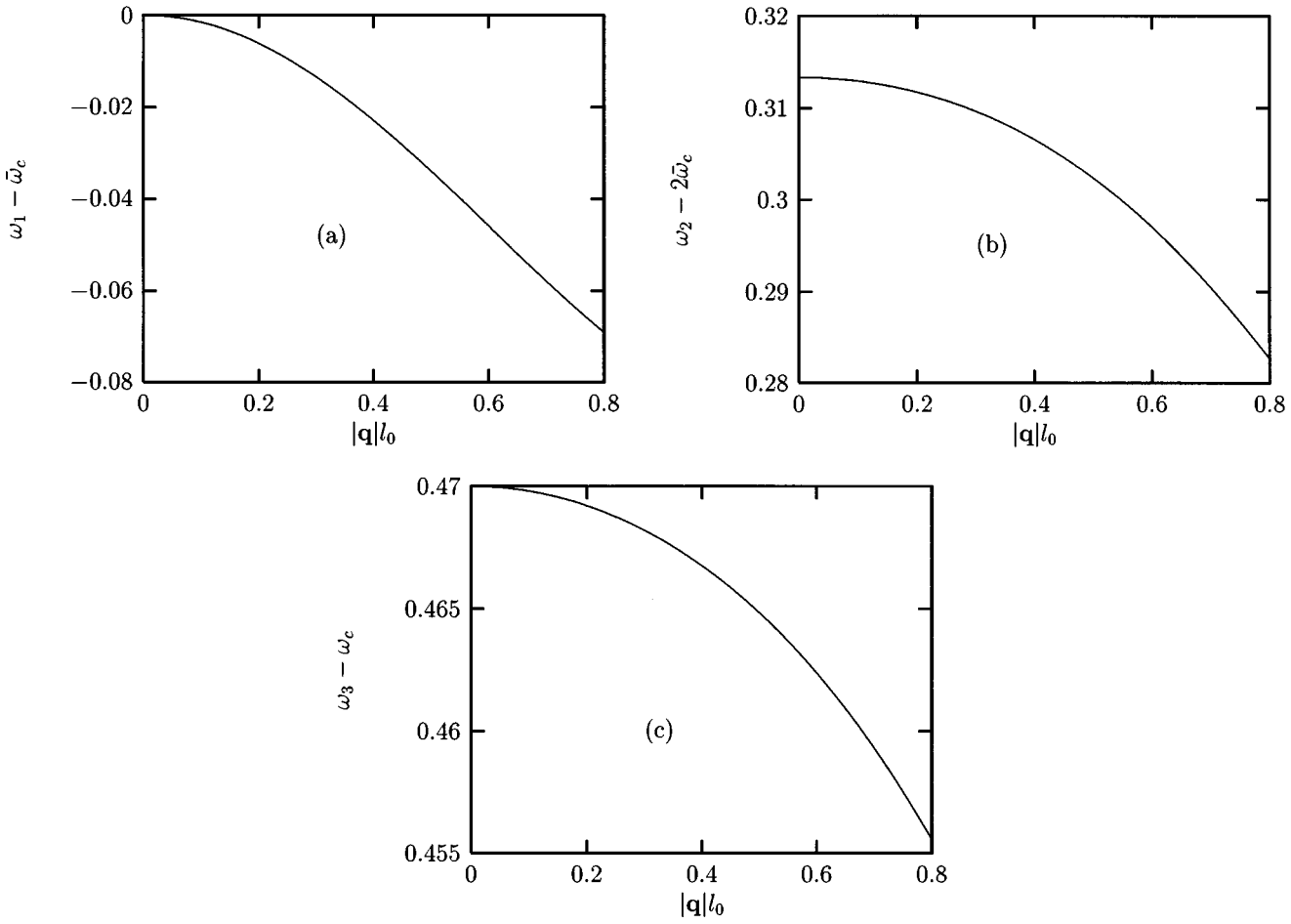

FIG. 1. The first three spin-density excitation modes for the unpolarized $\nu = 2/3$ state. (a) $\omega_1 - \overline{\omega_c}$, (b) $\omega_2 - 2\overline{\omega_c}$, and (c) $\omega_3 - \omega_c$ are plotted in units of $e^2/\epsilon l_0$ against $|\mathbf{q}|l_0$.

Erratum: Observation of a superlattice in silver-intercalated $NbSe_2$ by scanning tunneling microscopy [Phys. Rev. B 54, 11 706 (1996)]

B. Kowalski, W. Wu, B. Blackford, and M. H. Jericho

[S0163-1829(97)08915-7]

Poor reproduction of Fig. 2 in the original paper has led to a lack of definition in the image. Figure 1 reproduces this image, and Fig. 2 is an enlarged view of the image which shows the hexagonal superlattice.

0163-1829/97/55(15)/10124(2)/$10.00

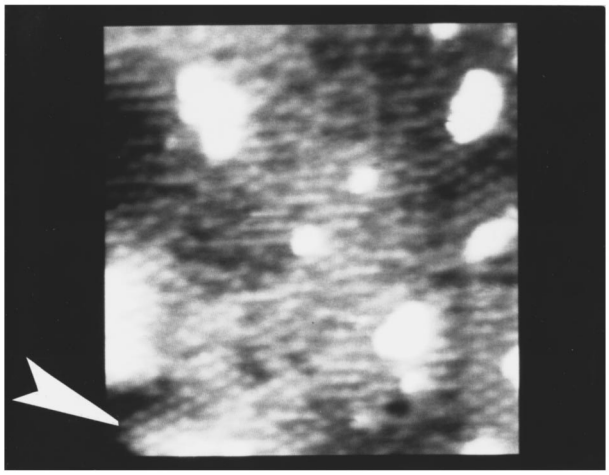

FIG. 1. This figure represents the same area that was presented as Fig. 2 in the paper. It shows the superlattice on a $Ag_{0.32}NbSe_2$ sample. Scan range 30×30 nm^2. Superlattice row structure is visible in most areas of the image. In the lower left corner of the image the superlattice appears well ordered and gives a period of 12.5 nm. Corrugation amplitude in this area is 0.13 nm. The white blobs could be silver islands. Image taken with a tungsten tip.

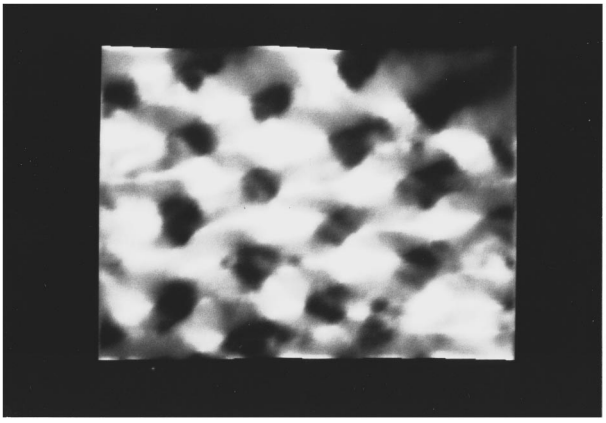

FIG. 2. This is an enlarged view of the area indicated by the arrow in Fig. 1 and shows the hexagonal superlattice with the 12.5 nm period. To clearly show the hexagonal pattern, the image is a shaded three-dimensional image viewed within a few degrees of the vertical.

Erratum: Semiconducting property of a wide-band-gap oxide crystal: Impact ionization and avalanche breakdown [Phys. Rev. B 55, 2413 (1997)]

R. Ramírez, R. González, R. Pareja, and Y. Chen

[S0163-1829(97)04916-3]

Several errors were detected in this paper after publication. The first two references are incorrect and should be listed as follows:

[1]Y. Chen, F. W. Clinard, B. D. Evans, E. H. Farnum, R. H. French, R. González, J. J. O'Dwyer, F. W. Wiffen, and X. F. Zong, J. Nucl. Mater. **217**, 32 (1994).

[2]J. J. O'Dwyer, *The Theory of Electrical Conduction and Breakdown in Solid-Dielectrics* (Oxford University Press, Oxford, 1973).

Also, in the first paragraph of the Introduction in line 4 Refs. 1–7 should be replaced with 1 and 2; and in line 8 ''Ref. 8'' should be ''Ref. 2.''

