Erratum: First-principles study of spin-orbit effects and NMR in Sr₂RuO₄ [Phys. Rev. B **74**, 035115 (2006)]

E. Pavarini and I. I. Mazin
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Herewith we correct two mistakes in our paper.

First, incorrect figures were printed as Figs. 2 and 3. The correct versions are published in this Erratum. Both figures were supplied for illustrative purposes only, and despite the fact that they failed this goal, they had no connection with the results obtained in the paper, and all the results, therefore, remain correct.

The authors thank M. W. Haverkort for pointing out this error.

Second, we also found some misprints in the hybridization terms (p. 035115-3). The correct formulas are

$$H_{xz,yz}(\mathbf{k}) = -4t^{110} \sin k_x \sin k_y - 8t^{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \sin \frac{k_x}{2} \sin \frac{k_y}{2} \cos \frac{k_z}{2},$$

$$H_{xz,xy}(\mathbf{k}) = -8t^{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \cos \frac{k_x}{2} \sin \frac{k_y}{2} \sin \frac{k_z}{2},$$

$$H_{yz,xy}(\mathbf{k}) = -8t^{\frac{1}{2}\frac{1}{2}\frac{1}{2}} \sin \frac{k_x}{2} \cos \frac{k_y}{2} \sin \frac{k_z}{2}.$$

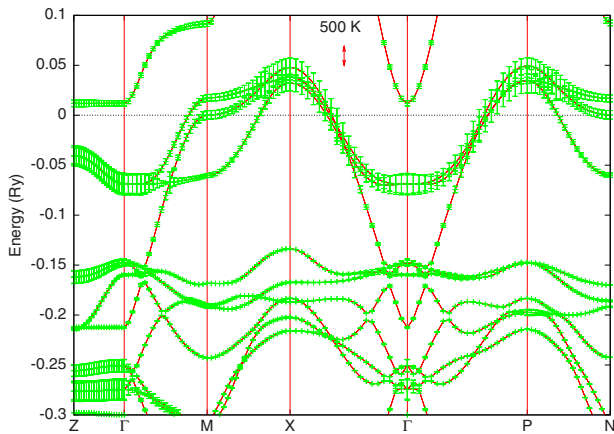This misprint only affected the text of the paper, correct equations had been used in numerical calculations.

FIG. 2. (Color online) LDA (LAPW) band structure with spin-orbit effects. The lines represent the actual band structure (spin-orbit effects are small on this scale; the "error bars" indicate the size of the spin-orbit induced shift of each state. In the central panel we show the length of an "error bar" corresponding to a shift of 500 K (≈43 meV). The horizontal line is the Fermi energy.
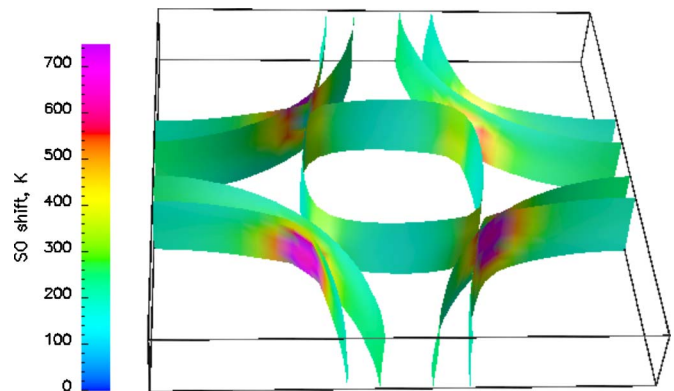

FIG. 3. (Color online) LAPW Fermi surface, painted according to the spin-orbit splitting at each point (see the color bar for the scale in the temperature units).