Errata

Erratum: *d*-orbital theory and high-pressure effects upon the EPR spectrum of ruby [Phys. Rev. B 27, 1516 (1983)]

Zhao Min-Guang, Xu Ji-An, Bai Gui-Ru, and Xie Huong-Sen

This paper contains the following misprints:

(1) Equations (17) should read

$$\begin{aligned} E(^2E_g) &= -1.2\Delta + 9B + 3C, \\ &\vdots \\ E(^2T_{2g}) &= 15B + 4C - 1.2\Delta. \end{aligned} \quad (17)$$

(2) Equation (20) should read

$$\begin{aligned} E(\pm \frac{1}{2}) - E(\pm \frac{3}{2}) &\approx N^6 \zeta_a^2 V \left[\frac{4}{9[E(^2T_{2g}) - E(^4A_2)]^2} - \frac{4}{9[E(^4T_2) - E(^4A_2)]^2} \right] \\ &+ N^6 \zeta_a^2 V' \left[\frac{4\sqrt{2}}{3[E(^4T_2) - E(^4A_2)][E(^4T_{1g}) - E(^4A_2)]} + \frac{2\sqrt{2}}{[E(^2T_{2g}) - E(^4A_2)][E(^2T_{2g}) - E(^4A_2)]} \right. \\ &\quad \left. + \frac{2\sqrt{2}}{3[E(^2T_{2g}) - E(^4A_2)][E(^4T_{1g}) - E(^4A_2)]} + \frac{2\sqrt{2}}{[E(^2T_{2g}) - E(^4A_2)][E(^4T_{1g}) - E(^4A_2)]} \right]. \end{aligned} \quad (20)$$

(3) Equation (22) should read

$$N^2 V \approx N^2 (-3D\sigma - \frac{20}{3}D\tau) = 903. \quad (22)$$

Erratum: ESR study of the Kondo effect in Au¹⁷¹Yb and Au¹⁷⁴Yb [Phys. Rev. B 28, 24 (1983)]

Y. von Spalden, E. Tsang, K. Baberschke, and P. Schlottmann

We were informed by Dr. Bonville, Saclay, that for comparison between Mössbauer relaxation rates and ESR the data in Fig. 2 of Ref. 20 [F. Gonzalez-Jimenez and P. Imbert, Solid State Commun. 13, 85 (1973)] have to be multiplied by a factor of 2 in our Fig. 4, yielding, for example, 180 MHz/K at 4.2 K. This gives a remarkably good agreement at high T (≈ 4 K) in our Figs. 4 and 6.

A nonconsistent notation for the transversal and longitudinal parts of χ or T_1^{-1} , respectively, produced a confusion in the calculation of the ESR relaxation rates. The correct interpretation is that ESR measures only the second equation of Eq. (6). A fit of our data in Figs. 4 and 6 yields $T_K = 0.5 \times 10^{-8}$ K. This figure agrees even better with the g -value shift T_K (Table II). In this notation the Mössbauer and ESR relaxations are equal at high T .

The (a) part of the caption of Fig. 1 contains two misprints: The correct values should read $T = 130$ mK and $H_{\text{res}} = 242.4$ G.