

Errata

"Magnetocrystalline Anisotropy of $3d^6$ ($3d^4$) Ions at Trichlinic Symmetry Sites. Application to Fe^{2+} in YIG:Si(Ge) ", Czesław Rudowicz, *Z. Naturforsch.* **38 a**, 504 (1983).

In the Eq. (9) K_4 should read

$$K_4 = (16\,384/25) F_1 - 3072 F_2 + (59\,616/25) F_3 + 128 F_4.$$

All the calculations were based on the correct expression.

The journal in Ref. [19] should be *Z. Naturforschung* not *J. Phys. Soc. Japan*.

E. Lisicki, A. Bielski, and J. Szudy: Broadening and Shift of the 535.0 nm Thallium Line by Nitrogen, *Z. Naturforsch.* **37 a**, 93 (1982) and Influence of O_2 on the 535.0 nm Thallium Line, *Z. Naturforsch.* **37 a**, 1094 (1982).

There was an inadvertent error of a factor of 2.46 in determination of density of nitrogen and oxygen in these two papers. As a consequence the values of the pressure broadening β and shift δ coefficients for the 535.0 nm Tl line perturbed by N_2 and O_2 are in error. The corrected values are:

$$\beta = (3.07 \pm 0.06) \times 10^{-20} \text{ cm}^{-1}/\text{molecule cm}^{-3}$$

and

$$\delta = - (1.22 \pm 0.04) \times 10^{-20} \text{ cm}^{-1}/\text{molecule cm}^{-3}$$

for Tl + N_2 , and

$$\beta = (3.26 \pm 0.1) \times 10^{-20} \text{ cm}^{-1}/\text{molecule cm}^{-3}$$

and

$$\delta = - (1.03 \pm 0.09) \times 10^{-20} \text{ cm}^{-1}/\text{molecule cm}^{-3}$$

for Tl + O_2 .