Erratum: Electrical resistivity of icosahedral Mg-Al-Zn alloys [Phys. Rev. B 35, 4819 (1987)]

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Equation (1) should read

$$\frac{\delta R}{R}=\rho\frac{e^2}{2\pi^2\hbar}\left[\frac{eH}{\hbar}\right]^{1/2}\left\{\beta f_3\left[\frac{H}{H_i}\right]-f_3\left[\frac{H}{H_2}\right]-\frac{1}{2\sqrt{1-\gamma}}\left[f_3\left[\frac{H}{H_+}\right]-f_3\left[\frac{H}{H_-}\right]\right]\right.$$
$$\left.-\left[\frac{4H_{so}}{3H}\right]^{1/2}\left[\frac{1}{\sqrt{1-\gamma}}(\sqrt{t_+}-\sqrt{t_-})+\sqrt{t}-\sqrt{t+1}\right]\right\}. \quad (1)$$

As a consequence of this change the values quoted for the resistivities of $Mg_{32}(Al_{1-x}Zn_x)_{49}$ should be changed slightly, to 60 ± 5 and 96 ± 10 $\mu\Omega$ cm for $x=0.5$ and 0.69, respectively. The spin-orbit scattering field values change somewhat more, the corrected values being 96 ± 4 mT for $x=0.5$, and 164 ± 5 mT for $x=0.69$.

Erratum: Classification of octahedral tilting phases in the perovskitelike A_2BX_4 structure [Phys. Rev. B 35, 8509 (1987)]

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We wish to report some errors in our published paper. In Table I, the subgroup C_{2h}^3 for orbit $P11$ of irrepN_1^+ is space group No. 12, not No. 13. The subgroup for orbit $C12$ of irrepN_1^+ is C_i^1. The origin for subgroup D_{2h}^{26} for orbit $P12$ of irrep$P5$ is $(-\frac{1}{4},\frac{1}{4},\frac{3}{4})$. The orbit of irrep$P5$ for subgroup D_9^2 is $C3$, not $C2$. The subgroup for orbit $C8$ of irrep$P5$ is D_2^7. The subgroup for orbit $4D1$ of irrep$P5$ is C_2^3. In Table II, the orbit of $N_1^+\oplus P_5$ for subgroup C_{2h}^6 is $P11,P12$, not $P11,P11$.

In addition to these typographical errors, we also found two errors in our computer algorithm which caused incorrect entries in the "basis vectors" and "origin" columns in both tables. One of the computer errors only affected cases where the subgroup is C_{2h}^3 or C_{2h}^6. We give the corrected entries in Table I.

The other computer error affected the "origin" column in Table II for most of the entries. For example, the first entry in the table, subgroup D_{2h}^{21} associated with orbit $P1,P1$ of representation $X_3^+\oplus X_4^+$, should have an origin at $(\frac{1}{2},-\frac{1}{2},0)$ instead of $(\frac{1}{4},-\frac{1}{4},\frac{1}{4})$, as shown. Since Table II is quite lengthy and the origin coordinates would be of little interest to most readers, we do not give the corrected entries here, but we do invite interested readers to obtain a corrected table directly from the authors.

TABLE I. Corrections to Tables I and II.

Irrep	Subgroup	Orbit	Basis vectors	Origin
N_1^+	C_{2h}^3	$P11$	(0,0,−2), (2,2,0), $(\frac{1}{2},-\frac{1}{2},\frac{1}{2})$	(0,0,0)
	C_{2h}^6	$C10$	(0,0,2)(−2,−2,0), (1,−1,−1)	$(\frac{1}{2},\frac{1}{2},-\frac{1}{2})$
	C_{2h}^3	$C8$	(0,0,2)(−2,−2,0), (1,−1,−1)	(0,0,0)
$X_3^+\oplus X_4^+$	C_{2h}^6	$P3,P3$	(1,1,0), (0,0,1), (1,−1,0)	$(\frac{1}{4},\frac{1}{4},-\frac{1}{4})$
$X_3^+\oplus N_1^+$	C_{2h}^3	$P3,C8$	(0,0,−2), (−2,−2,0), (−1,1,1)	(0,0,0)
$X_4^+\oplus N_1^+$	C_{2h}^3	$P3,P11$	(0,0,2), (−2,2,0), $(-\frac{1}{2},-\frac{1}{2},\frac{1}{2})$	(0,0,0)
	C_{2h}^3	$P3,C8$	(0,0,2), (−2,2,0), (−1,−1,1)	(0,0,0)
	C_{2h}^6	$C1,C10$	(0,0,−2), (−2,−2,0), (−1,1,1)	$(-\frac{1}{2},-\frac{1}{2},\frac{1}{2})$