

## addenda and errata

**Nomenclature of magnetic, incommensurate, composition-changed morphotropic, polytype, transient-structural and quasicrystalline phases undergoing phase transitions. II. Report of an IUCr Working Group on Phase Transition Nomenclature. Erratum**

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‡ *Ex officio*, International Union of Pure and Applied Physics.

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¶ *Ex officio*, IUCr Commission on Crystallographic Nomenclature.

Six printing errors are corrected in the Report by Tolédano *et al.* [*Acta Cryst.* (2001), **A57**, 614–626]. The first is in §2.1, the fourth last sentence of which should read “Although such nicknames do not always describe the magnetic character of the substance explicitly, since ‘AF’ for example may be mistaken for antiferroelectric, this lack is compensated for by the fifth and sixth fields (see the examples in §§3.1–3.5).” The second is in §3.4, second field of the AF phase, which should read ‘<260 K’. The third is in §4.5, the final sentence of which should be ‘However, certain materials display ferroic properties in the incommensurate phase (*cf.* §5.3)’. The fourth is in §5.1, sixth field of phase II, which should read ‘Incommensurate. Modulation:  $\delta \sim 0.78$ . Displacive modulation.’. The fifth is in §6, the third sentence of which should read “While accepting this definition, it is necessary to point out, however, that the boundary between phases in the examples below need not be ‘thermodynamically abrupt’ (*i.e.* involve a latent heat and discontinuities in the physical quantities).”. The final error is in §6.1, sixth field of the FT phase, which should read ‘FT |  $0.45 < x < 1$  |  $P4mm$  (99) |  $Z = 1$  | Ferroelectric and ferroelastic | All phases pseudo-cubic perovskites. No perovskite octahedral tilts; 6 variants.’.

**References**

Tolédano, J.-C., Berry, R. S., Brown, P. J., Glazer, A. M., Metselaar, R., Pandey, D., Perez-Mato, J. M., Roth, R. S. & Abrahams, S. C. (2001). *Acta Cryst.* **A57**, 614–626.

**Diffraction physics. Erratum**

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Owing to a copying error, the formula in §2.1(iv) of the paper by Authier & Malgrange [*Acta Cryst.* (1998), **A54**, 806–819] is erroneous and should be replaced by:

$$I_h = \frac{R^2 \lambda^2 (1 + \cos^2 2\theta) t^2}{2 \sin^2 \theta} \frac{1}{V^2} |F_{hkl}|^2 \left[ \frac{\sin(2\pi kt \cos \theta \Delta \theta)}{(2\pi kt \cos \theta \Delta \theta)} \right]^2.$$

**References**

Authier, A. & Malgrange, C. (1998). *Acta Cryst.* **A54**, 806–819.