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Corrections to the Table in Chapter 4.4, *Diffraction symbols of the space groups*, given in the 1969 edition of Volume I of *International Tables for X-ray Crystallography*.

By TAKESHI YAO and HIROSHI JINNO, *Department of Industrial Chemistry, Faculty of Engineering, Kyoto University, Sakyo-ku, Kyoto*, 606 *Japan*

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Abstract

Corrections are given to Table 4.4.3 of *International Tables for X-ray Crystallography* [Vol. I (1969), Birmingham: Kynoch Press].

Certain errors have been found in *International Tables for X-ray Crystallography* (1969) and the corrections are given below.

(1) *Table* 4.4.3 *ORTHORHOMBIC. Laue Class mmm on p.* 349

In the seventeenth row from the top of the table (diffraction symbol *mmmPbcn*), in the column of the point group *mmm*:

Replace the space group *Pncn* by *Pbcn*.

(2) *Table* 4.4.3 *TETRAGONAL. Laue Class* 4/*mmm on p.* 350

In the nineteenth row from the top of the table (diffraction symbol 4/*mmmPnc*-), in the column of the point group 4/*mmm*:

Replace the space group $P4/ncm$ by $P4_2/ncm$.

Reference

International Tables for X-ray Crystallography (1969). Vol. I. Birmingham: Kynoch Press.

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International Tables for X-ray Crystallography, Vol. IV. Error in table of equivalent reflections in the presence of dispersion effects.*

By GRAHEME J. B. WILLIAMS, *Chemistry Department, Brookhaven National Laboratory, Upton, NY* 11973, *USA*

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Abstract

Table 2.3.2, *Reciprocal Lattice Points Equivalent under the Operations of a Given Noncentrosymmetric Point Group*, on p. 151 of *International Tables for X-ray Crystallography* [Vol. IV (1974), Birmingham: Kynoch Press] contains an error for the point group 422. The entry hkl should be replaced by $hk\bar{l}$.

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All relevant information is given in the *Abstract*.

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The line profile for a random assemblage of identical parallelepiped crystals. A correction.

By G. ALLEGRA and G. RONCA, *Istituto di Chimica del Politecnico, Piazza L. da Vinci* 32, 20133 *Milano, Italy*

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Abstract

Allegra & Ronca [*Acta Cryst.* (1978), A34, 1006–1013] proposed an incorrect analytical expression for the line profile of identical parallelepiped crystals. The correct general expression is now given; in the special case of cubic crystals with a cubic unit cell it reduces to the expression proposed long ago by A. J. C. Wilson [*X-ray Optics* (1949), equation 26, p. 43. Methuen]. The implications of the new result upon the line profile of a polycrystalline sample obeying a Gaussian distribution of crystal sizes are discussed.

In a recent paper (Allegra & Ronca, 1978, hereinafter paper I), we proposed a general analytical expression for the line

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