

carried out by Dr H. M. Rietveld at the Reactor Centrum Nederland, Petten (N.H.), has shown that the hydrogen (deuterium) atoms also obey the symmetry P_{21}/c .

The crystal structure of $\text{KIO}_3 \cdot \text{HIO}_3$ has recently also been determined by Chan & Einstein (1971). In view of the discussion of the piezoelectric effect given above, it is reasonable to assume that the strong second harmonic effect reported for $\text{KIO}_3 \cdot \text{HIO}_3$ by these authors is due to the presence of KIO_3 (or HIO_3) on the surface of the crystals.

A full account of our work and a comparison with the structure of $\text{KIO}_3 \cdot \text{HIO}_3$ described in space group P_{21}/c by Chan & Einstein will be published in the *Canadian Journal of Chemistry*.

References

- CHAN, L. Y. Y. & EINSTEIN, F. W. B. (1971). *Canad. J. Chem.* **49**, 468.
KEMPER, G. & VOS, A. (1970). *Acta Cryst. B* **26**, 302.

Acta Cryst. (1971). **B27**, 2287

A redetermination of the crystal structure of tetramethyldiphosphine disulphide. By J. D. LEE and G. W. GOODACRE, Department of Chemistry, University of Technology, Loughborough, Leicestershire, England

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The correct structure factor table to an earlier paper [*Acta Cryst.* (1971) **B27**, 302] is given.

In an earlier paper of the above title (Lee & Goodacre, 1971) the two parts of the structure factor table printed (Table 4, page 305) are identical. The whole Table should be replaced by that given here.

Table 4. Observed and calculated structure factors

h	k	l	F_O	F_C	h	k	l	F_O	F_C	h	k	l	F_O	F_C	h	k	l	F_O	F_C			
-2	0	0	2.0	1.9	0	1	7.9	62.7	50.0	1	10.1	17.8	-18	8	1	29.1	-27.9	16	6	10.5	11.6	
-4	0	0	1.9	1.8	0	1	10.1	34.2	50.0	1	10.1	11.2	-1	7	2	41.1	-40.7	16	6	10.5	11.6	
-6	0	0	1.8	1.7	0	1	10.1	34.2	50.0	1	10.1	11.2	-1	7	2	41.1	-40.7	16	6	10.5	11.6	
-12	0	0	129.7	129.7	1	1	56.0	-26.1	5	1	54.1	-31.3	-5	9	1	19.4	16.0	7	7	5.8	6.6	
-14	0	0	8.8	8.1	1	1	2.7	21.1	5	1	2.7	21.1	-2	9	1	26.7	19.8	16	7	7	5.8	6.6
-18	0	0	33.3	26.1	2	2	21.1	1.7	5	1	19.4	16.0	-2	9	1	36.3	-34.1	17	7	7	5.8	6.6
-20	0	0	0.5	0.5	2	2	1.7	26.1	5	1	19.4	16.0	-2	9	1	12.7	12.0	13.0	7	7	5.8	6.6
-1	-1	-1	2.9	2.9	1	1	15.0	18.1	-1	1	15.0	18.1	-1	9	1	6.5	6.7	15	7	7	4.2	2.7
-1	-1	-1	17.3	17.6	1	1	15.0	18.1	-1	1	15.0	18.1	-1	9	1	2.9	2.9	14	7	7	5.8	6.6
-1	-1	-1	111.4	111.4	6	2	2.9	21.1	5	1	12.4	11.2	-6	9	1	55.2	-58.8	17	7	7	5.8	6.6
-13	-1	-1	4.4	11.9	8	2	1.7	26.1	5	1	15.0	18.1	-1	9	1	15.0	18.1	17	7	7	5.8	6.6
-17	-1	-1	32.6	32.6	1	1	37.7	32.6	5	1	37.7	32.6	-1	9	1	15.0	18.1	17	7	7	5.8	6.6
-19	-1	-1	7.7	9.8	1	1	12.4	11.2	5	1	12.4	11.2	-1	9	1	15.0	18.1	17	7	7	5.8	6.6
-19	-1	-1	9.3	9.8	1	1	41.1	12.5	5	1	19.0	-12.7	-1	1	1	15.0	18.1	17	7	7	5.8	6.6
-1	-2	-2	3.8	4.4	1	1	1.7	1.7	5	1	10.2	18.7	-1	1	1	24.6	23.1	18	8	9	9.3	4.4
-2	-2	-2	4.6	2.8	2	2	12.0	17.5	5	1	23.7	21.1	-1	1	1	23.7	21.1	18	8	9	9.3	4.4
-4	-2	-2	7.0	8.9	2	2	1.7	18.2	5	1	21.1	21.1	-1	1	1	26.7	-24.6	5	9	2	6.5	6.7
-4	-2	-2	14.4	14.4	1	1	20.4	18.2	5	1	20.4	18.2	-1	1	1	20.4	18.2	18	8	9	9.3	4.4
-12	-2	-2	147.2	147.2	8	18	1.7	18.2	5	1	18.2	18.2	-1	1	1	18.2	18.2	18	8	9	9.3	4.4
-18	-2	-2	17.9	18.9	5	1	50.6	65.9	20	9	1	52.2	2.4	-1	1	12.1	9.9	5	10	5	5.8	6.6
-20	-2	-2	14.4	14.4	7	5	49.2	46.7	20	9	1	56.5	61.1	-1	1	12.1	9.9	5	10	5	5.8	6.6
-9	-3	-3	17.5	18.3	1	1	1.7	18.2	5	1	18.2	18.2	-1	1	1	18.2	18.2	18	8	9	9.3	4.4
-9	-3	-3	178.5	183.1	1	1	1.7	18.2	5	1	18.2	18.2	-1	1	1	18.2	18.2	18	8	9	9.3	4.4
-11	-1	-1	5.7	11.7	1	1	6.6	5.5	-2	1	8.4	8.4	-1	1	8.7	9.0	10	10	12	17.2	-16.6	
-11	-1	-1	11.7	11.7	1	1	12.7	12.7	5	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-15	-1	-1	1.8	1.8	1	1	12.7	12.7	5	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-19	-1	-1	8.9	7.5	19	2	17.9	17.5	6	1	6.6	64.8	64.8	-1	1	2.7	2.7	12	7	7	5.8	6.6
-21	-2	-2	1.8	21.3	2	2	17.9	17.5	6	1	6.6	64.8	64.8	-1	1	2.7	2.7	12	7	7	5.8	6.6
-2	-2	-2	4.8	4.8	2	2	12.0	17.5	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
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-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.8	4.8	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	14.4	14.4	1	1	12.7	12.7	6	1	12.7	12.7	-1	1	12.7	12.7	12	10	12	17.2	-16.6	
-2	-2	-2	4.																			