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GROUPS; 6.2. 'TYPICAL' PAGES OF THE ITA; 6.3. EXAMPLE PAGES FROM THE ITA; 6.4. SUBGROUPS AND SUPERGROUPS; 6.5. SPACE GROUP SYMMETRY OPERATIONS; 6.6. HALL SPACE GROUP SYMBOLS; Chapter 7 Space Group Applications; AND NOW ATOMS; 7.1. FACE-CENTERED CUBIC STRUCTURES; 7.2. PRIMITIVE CUBIC STRUCTURES; 7.3. BODY-CENTERED CUBIC STRUCTURES; 7.4. DIAMOND STRUCTURE; 7.5. SPINEL STRUCTURE; 7.6. ZINC SULPHIDE STRUCTURE; 7.7. CHALCOPYRITE; 7.8. SEMICONDUCTOR SUPERLATTICES; 7.9. STRUCTURAL PHASE TRANSITIONS IN CRYSTALS; 7.10. DISPLACIVE SPTS
 8.5. BLACK AND WHITE SPACE GROUPS; 8.6. MAGNETIC SPACE GROUPS; 8.7. EXAMPLES OF MAGNETIC STRUCTURES; 8.8. REPRESENTATION METHOD; 8.9. OG/BNS MAGNETIC GROUP SYMBOLS; Appendix 1 Matrices Representing the Symmetry Operations; JONES' FAITHFUL REPRESENTATION SYMBOLS; Appendix 2 Crystal Families, Systems, and Bravais Lattices; Appendix 3 The 14 Bravais Lattices; 24 WIGNER-SEITZ CELLS; Appendix 4 The 32 Crystallographic Point Groups; Appendix 5 Diagrams for the 32 Point Groups; STEREOGRAMS; SOME SHAPES ILLUSTRATING THE 32 POINT GROUPS; Appendix 6 Symbols; SYMBOLS OF SYMMETRY PLANES
 SYMBOLS OF SYMMETRY AXES

Sommario/riassunto

This comprehensively revised - essentially rewritten - new edition of the 1990 edition (described as ""extremely useful"" by MATHEMATICAL REVIEWS and as ""understandable and comprehensive"" by Scitech) guides readers through the dense array of mathematical information in the International Tables Volume A. Thus, most scientists seeking to understand a crystal structure publication can do this from this book without necessarily having to consult the International Tables themselves. This remains the only book aimed at non-crystallographers devoted to teaching them about crystallo

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