International Tables for Crystallography

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International Tables for Crystallography

Journal of Applied Crystallography | Volume 16, Issue 2
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Chapter

Topics on space groups treated in Volumes A1 and E of International Tables for Crystallography

International Tables for Crystallography

Reference Work

International Tables for Crystallography
First published: 1 January 2006
Advantages of Wiley Online Library

Features

- Extensive and hyperlinked cross-references
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International Tables for Crystallography
The definitive resource for crystallography

*International Tables for Crystallography* is the definitive resource and reference work for crystallography and structural science.

The online version of *International Tables for Crystallography* provides access to a fully interactive symmetry database and all nine volumes in the series in pdf and richly linked html format.
About International Tables for Crystallography

This series, first established in 1935, has grown over the decades to become the definitive reference work for crystallography and structural science.

The wide range of articles in the series and the numerous tables of data assist in the use of crystallographic methods in all sciences concerned with the structure and properties of materials, from physics and materials science to chemistry, biology and biochemistry.

Emphasis is placed on symmetry, diffraction methods and techniques of crystal-structure determination, and the physical and chemical properties of crystals.

The data are accompanied by discussions of theory, practical explanations and examples, all of which are useful for teaching.
International Tables for Crystallography

About the International Union of Crystallography

- The International Union of Crystallography (IUCr) is a scientific union adhering to the International Council of Science (ICSU).
- Its objectives are to promote international co-operation in crystallography and to contribute to all aspects of crystallography, to promote international publication of crystallographic research, to facilitate standardization of methods, units, nomenclature and symbols, and to form a focus for the relations of crystallography to other sciences.
Features

• Together the online volumes comprise the equivalent of over 7000 pages of content, including 1100 tables of symmetry-group data for crystal-structure analysis.

• Early view versions of chapters for new volumes and new editions of volumes that are in preparation are also available.

• The symmetry database provides additional information and can be used to generate specific data 'on the fly'.

• In addition to the full text of the series, the online site, designed by the International Union of Crystallography, supports many innovative features and additional resources.

• Users can navigate within and across the volumes to view a full chapter, a section or sub-section, or a single figure or table.
Content available online

- Symmetry database
- Volume A: Space-group symmetry, 6e
- Volume A1: Symmetry relations between space groups, 2e
- Volume B: Reciprocal space, 3e
- Volume C: Mathematical, physical and chemical tables, 3e
- Volume D: Physical properties of crystals, 2e
- Volume E: Subperiodic groups, 2e
- Volume F: Crystallography of biological macromolecules, 2e
- Volume G: Definition and exchange of crystallographic data
- Volume H: Powder diffraction
- Volume I: X-ray absorption spectroscopy and related techniques (early view chapters)
Updates and references

- Cross-references are included between chapters of related interest.
- Extensive linking between sub- and supergroups within the symmetry-group tables is also provided.
- The advanced search facility enables sophisticated searches to be performed across all the volumes, across selected volumes and across Crystallography Journals Online.
Key Functionalities
Summary

1. **Search This Reference Work**

Narrow your search results within a Reference Work for more focused content.
Summary

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Be automatically alerted by e-mail to new results from your frequently used searches.
3 Bookmarks

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