

Your quick reference to International Tables Online – FAQs

Q: Do we get access to old as well as new editions?

A: *International Tables Online* will be launched on Wiley InterScience with the most current edition of each of the volumes.

Subscription customers:

If you subscribe to *International Tables Online* you will have access to all available content. As new editions of individual volumes are published online you will have access both to the new edition, and to all earlier online editions of that volume.

One-time purchase customers:

If you purchase *International Tables Online* as a one-time purchase, you will be entitled to access to all content available at the time of purchase and to all material added within the calendar year of purchase, in perpetuity. In subsequent calendar years, you will have the option of purchasing annual updates if you wish.

Please contact your Wiley Account Manager for more details.

Q: We purchased the first online edition from Springer; what are our options for purchasing the new content?

A: There will be a reduced one-time purchase price for those customers who have purchased *International Tables Online* from Springer and wish to update their content; contact your Wiley Account Manager for more details.

Q: Can the online volumes be purchased separately?

A: No - *International Tables Online* has been designed to be used as a complete resource of all eight volumes. It features extensive hyperlinking between volumes and fully searchable text to ensure you benefit from access to content from all the volumes.



"The complete online set of International Tables for Crystallography can be warmly recommended to all those who want a truly encyclopedic and authoritative reference... particularly advantageous is the interlinking of symmetry-related data contained in Volumes A, A1 and E. Non-specialists and beginners ... will certainly enjoy the fast, precise and compact support offered by those links."

...A new generation of crystallographic references with an enormous amount of information, it sets standards for the subject of crystallography in general as a 'hard' and far-reaching branch of science."

PROFESSOR DR PETER PAUFLER

Chair of Crystallography, Dresden University of Technology, Germany
(from a review published in *Acta Crystallographica*)

EDITORS

E. Arnold (Piscataway, NJ, USA)
M. I. Aroyo (Bilbao, Spain)
A. Authier (Peyrat-le-Chateau, France)
H. Fuess (Darmstadt, Germany)
Th. Hahn (Aachen, Germany)
S. R. Hall (Nedlands, Australia)
D. M. Himmel (Piscataway, NJ, USA)
V. Kopský (Prague, Czech Republic)
D. B. Litvin (Reading, PA, USA)
B. McMahon (Chester, UK)
U. Müller (Marburg, Germany)
E. Prince (Gaithersburg, MD, USA)
M. G. Rossmann (West Lafayette, IN, USA)
U. Shmueli (Tel Aviv, Israel)
H. Wondratschek (Karlsruhe, Germany)

FOR PRINT ORDERS

Yes, I would like to order

☐ COPIES **International Tables for Crystallography, 8 Volume Set**
978-0-470-66163-5 • £1340.00 • €1608.00 • \$2145.00

☐ COPIES **Volume A: Space-group symmetry, 5th Edition**
978-0-7923-6590-7 • £195.00 • €234.00 • \$315.00

☐ COPIES **Brief teaching edition of Volume A, 5th Edition**
978-0-470-68911-0 • £17.99 • €21.60 • \$29.95

☐ COPIES **Volume A1: Symmetry relations between space groups, 2nd Edition**
978-0-470-66079-9 • £195.00 • €234.00 • \$315.00

☐ COPIES **Volume B: Reciprocal space, 3rd Edition**
978-1-4020-8205-4 • £215.00 • €258.00 • \$345.00

☐ COPIES **Volume C: Mathematical, physical and chemical tables, 3rd Edition**
978-1-4020-1900-5 • £195.00 • €234.00 • \$315.00

☐ COPIES **Volume D: Physical properties of crystals**
978-0-470-68909-7 • £170.00 • €204.00 • \$275.00

☐ COPIES **Volume E: Subperiodic groups, 2nd Edition**
978-0-470-68672-0 • £195.00 • €234.00 • \$315.00

☐ COPIES **Volume F: Crystallography of biological macromolecules**
978-0-7923-6857-1 • £240.00 • €288.00 • \$385.00

☐ COPIES **Volume G: Definition and exchange of crystallographic data**
978-1-4020-3138-0 • £170.00 • €204.00 • \$275.00

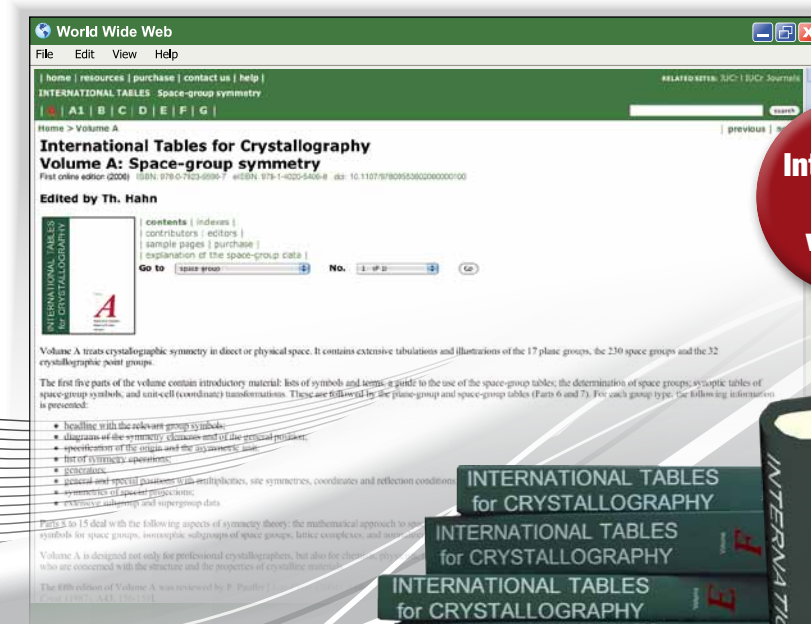
Send my order to

Title & Name	
Job Title/Department	
Company/University	
Address	
Town/City	
Post/Zip Code	Country
Daytime Tel./Fax	

Please note that all prices are correct at time of going to press but are subject to change without notice.

The definitive resource and reference work for
crystallography and structural science

INTERNATIONAL TABLES for CRYSTALLOGRAPHY



Interactive
online
version



8
Volume
Set

INTERNATIONAL TABLES for CRYSTALLOGRAPHY

8 Volume Set, updated June 2010

Editor-in-Chief: H. Fuess

International Tables for Crystallography is the definitive resource and reference work for crystallography and structural science and includes nearly 2,000 pages of symmetry tables for crystallographic analysis, and nearly 6,000 pages in total.

- Emphasis is given to symmetry, diffraction methods and techniques of crystal-structure determination, and the physical and chemical properties of crystals
- Provides 1,100 tables of symmetry information, 680 tables of fundamental data, and data-exchange dictionaries for crystallography
- The data are accompanied by discussions of theory, practical explanations and examples, all of which are useful for teaching
- Includes new editions of Volumes A1 and E

Invaluable for all scientists in academia and industry using crystallographic techniques in physics, chemistry, materials science, metallurgy, earth sciences and molecular biology.

PRINT ISBN: 978-0-470-66163-5
June 2010 • 5,980pp • Hardback

COMPREHENSIVE

- 5,980 pages
- 300 chapters
- 680 tables of fundamental data
- 1,100 tables of symmetry information
- Contributions from 350 international authors

Published in association with the
International Union of Crystallography (IUCr)

The IUCr is an International Scientific Union. Its objectives are to promote international cooperation in crystallography and to contribute to all aspects of crystallography, to promote international publication of crystallographic research, to facilitate standardization of methods, units, nomenclatures and symbols, and to form a focus for the relations of crystallography to other sciences.

The IUCr publishes eight journals (journals.iucr.org) in association with Wiley, which appear consistently at the top of the ISI citation rankings for crystallography, and have a deserved reputation for high publication standards. The complete catalogue back to 1948 has been digitized and is available online.

Visit the IUCr website for further information: www.iucr.org



TOPICS

- Anomalous scattering
- Aperiodic crystals
- Brillouin scattering
- Computer applications
- Cryocrystallography
- Crystallographic databases
- Crystallographic data exchange
- Crystal structure determination
- Density modification
- Detectors
- Diffraction methods
- Diffuse scattering
- Direct methods
- Domain structures
- Drug design
- Elastic properties
- Electron crystallography
- Irreducible group representations
- Isomorphous replacement
- Macromolecular crystallography
- Magnetism
- Maximum-entropy methods
- Molecular graphics
- Noncrystallographic symmetry
- Nonlinear optical materials
- Patterson techniques
- Phase transitions
- Polymer crystallography
- Protein engineering
- Proteins and nucleic acids
- Reciprocal space
- Scanning tables
- Scattering factors
- Simulated annealing
- Space, plane, rod, layer and frieze groups
- Structure validation
- Subgroups and supergroups
- Symmetry
- Tensor properties of crystals
- Thermal expansion
- Transport
- Twinning



INTERNATIONAL TABLES ONLINE

- All eight volumes A to G including A1 as pdfs and richly interlinked html
- Additional resources:
 - Seven CIF dictionaries as html and pdf
 - Interactive tables – retrieve individual values from long tables or plot different combinations of all the values in a table

Move quickly between volumes

Full-text searching

Retrieve symmetry data

Download to pdf

Interactive help

Links to subgroups and supergroups

Move to previous or next articles

Related articles in International Tables Online

Indexes for every chapter with links to relevant points in text

Navigate around chapter

Pdfs of all sections, tables and figures

Links from text to references

The interactive version buttons lead to tables of data that have been converted to easy-to-use look-up tables from which individual values can be retrieved using drop-down menus, and in some cases ranges of values can be chosen and plotted against each other.

For more information, take the guided tour at it.iucr.org

FROM THE EDITOR-IN-CHIEF:

"The advantages [of] the online volumes are clear: users can follow cross-references from one chapter to another in the series using hyperlinks, and can also search the full text of all volumes.

The online Tables have been designed to be simple for nonspecialists to use: users do not need to know the printed volumes in great detail to be able to find what they need online. A particular aim of the design is that it takes no more than two clicks of the mouse to deliver content to the user. Every dialogue box has a menu of options to choose from and all the appropriate pages contain bibliographic information, so that it is clear how to cite the page. Above all, the system has been designed to be quick to use and to rapidly deliver content. In addition to all the information in the printed volumes, the online Tables also include 'resources': supplementary information, databases and programs that enhance the material within the printed volumes."

HARTMUT FUESS

NEW FOR 2010

In print and online:

- New Edition of Volume A1
- New Edition of Volume E

Online only:

- Second online edition of Volume B
- Superspace Finder database

FUTURE DEVELOPMENTS

- Data for additional nonstandard settings of space groups
- Symmetry database - information for any space-group setting
- Sixth editions of Volume A and the Brief Teaching Edition (Editor: M. I. Aroyo)
- Fourth edition of Volume C (Editor: H. Fuess)
- Second edition of Volume F (Editors: E. Arnold, D. M. Himmel and M. G. Rossmann)
- New volume on powder diffraction

HISTORY

The first series of *International Tables*, published in 1935, comprised two trilingual volumes with the title *Internationale Tabellen zur Bestimmung von Kristallstrukturen*. Their success was such that a second series, with the title *International Tables for X-ray Crystallography*, was commissioned. This series, fondly known as 'The Red Books', consisted of four volumes published between 1952 and 1974. Volume A of the present third series, *International Tables for Crystallography*, was first published in 1983 and has since been joined by seven other volumes. The series is continually updated by an international editorial board: Volume A is now in its fifth edition. The changes in the titles of these series reveal the progressively more general nature of the tables, extending the original topics of symmetry and X-ray structure determination towards incorporation of electron and neutron diffraction techniques, as well as fundamentals of crystallography and physical and chemical crystal data.



INDIVIDUAL VOLUMES – AVAILABLE IN PRINT



Volume A: Space-group symmetry, 5th Edition Edited by Th. Hahn April 2005 932pp 978-0-7923-6590-7 HB	Volume A1: Symmetry relations between space groups, 2nd Edition Edited by Hans Wondratschek and Ulrich Müller June 2010 766pp 978-0-470-66079-9 HB	Volume B: Reciprocal space, 3rd Edition Edited by U. Shmueli August 2008 700pp 978-1-4020-8205-4 HB	Volume C: Mathematical, physical and chemical tables, 3rd Edition Edited by E. Prince January 2004 1032pp 978-1-4020-1900-5 HB	Volume D: Physical properties of crystals Edited by A. Authier December 2003 536pp 978-0-470-68909-7 HB
Volume E: Subperiodic groups, 2nd Edition Edited by V. Kopský and D. B. Litvin January 2010 576pp 978-0-470-68672-0 HB	Volume F: Crystallography of biological macromolecules Edited by Michael G. Rossmann and Eddy Arnold July 2001 832pp 978-0-7923-6857-1 HB	Volume G: Definition and exchange of crystallographic data Edited by Sydney Hall and Brian McMahon August 2005 606pp 978-1-4020-3138-0 HB	TEACHING RESOURCES Brief teaching edition of Volume A 5th Edition Edited by Th. Hahn April 2005 176pp 978-0-470-68911-0 PR	

