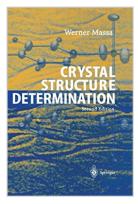
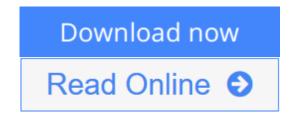
# **Crystal Structure Determination**



By Werner Massa



#### Crystal Structure Determination By Werner Massa

This textbook gives a concise introduction to modern crystal structure determination, emphasising both its theoretical background and the way it is actually carried out. The theoretical sections are supported by many illustrations, and lay emphasis on a good understanding rather than rigorous mathematics. The most important data collection techniques, and the methods of data reduction, structure solution and refinement are discussed from a practical point of view. Many tips and insights help readers to recognise and avoid possible errors and traps, and to judge the quality of results. The second edition has been considerably updated, especially the chapter on experimental methods, which is now mainly concerned with modern data collection using area-detectors.

**Download** Crystal Structure Determination ...pdf

**Read Online** Crystal Structure Determination ...pdf

# **Crystal Structure Determination**

By Werner Massa

## Crystal Structure Determination By Werner Massa

This textbook gives a concise introduction to modern crystal structure determination, emphasising both its theoretical background and the way it is actually carried out. The theoretical sections are supported by many illustrations, and lay emphasis on a good understanding rather than rigorous mathematics. The most important data collection techniques, and the methods of data reduction, structure solution and refinement are discussed from a practical point of view. Many tips and insights help readers to recognise and avoid possible errors and traps, and to judge the quality of results. The second edition has been considerably updated, especially the chapter on experimental methods, which is now mainly concerned with modern data collection using area-detectors.

## Crystal Structure Determination By Werner Massa Bibliography

- Sales Rank: #3985428 in Books
- Brand: Brand: Springer
- Published on: 2010-02-19
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .51" w x 6.00" l, .70 pounds
- Binding: Paperback
- 212 pages

**<u>Download</u>** Crystal Structure Determination ...pdf

**<u>Read Online Crystal Structure Determination ...pdf</u>** 

## **Editorial Review**

#### Review

From the reviews:

"Distinguished by its attention to the practicalities of working with real crystals...a lucid and relatively concise account of modern crystal structure solution ...valuable to anyone who has an interest in crystal structure refinement." The Geological Journal

"The book provides a nice balance between describing the mathematical fundamentals and offering practical advice on how to solve a crystal structure... appropriate for an undergraduate audience (particularly in chemistry) and for graduate students or researchers who find they need a better grasp of the subject... a very helpful addition to the collection of introductory texts in X-ray crystallography. Especially for its treatment of common errors in the collection of intensity data and in the interpretation of results."

#### Acta Crystallographica

"Details at great length the inherent pitfalls and errors that one may encounter when calculating crystal structures using new software programs. The author does an excellent job of describing these errors and ways to recognize them when they appear in your calculations." Mineralium Deposita

From the reviews of the second edition:

"This textbook gives a concise introduction to modern crystal structure determination ... . The theoretical sections are supported by many illustrations, and lay emphasis on a good understanding ... . The most important data collection techniques ... are discussed from a practical point of view. Many tips and insights help readers to recognise and avoid possible errors and traps, and to judge the quality of results." (Chimie Nouvelle Societe Royale de Chimie, Vol. 23 (89), juin, 2005)

"Crystal Structure Determination' gives a concise introduction to the subject, with particular emphasis placed on the manner in which contemporary analysis actually occurs. ... The strengths of this book are numerous. The presentation is excellent: the diagrams are plentiful and often impressive, and the formatting of the text is very pleasing to the eye. ... the research chemist with a desire to appreciate more fully a technique that they are likely to use with increasing frequency – the book should be a helpful companion." (Andrew Bond, Crystallography News, June, 2004)

## **Users Review**

#### From reader reviews:

#### Hattie Jasso:

People live in this new day time of lifestyle always make an effort to and must have the spare time or they will get great deal of stress from both daily life and work. So, whenever we ask do people have time, we will say absolutely indeed. People is human not just a robot. Then we request again, what kind of activity have you got when the spare time coming to an individual of course your answer will probably unlimited right.

Then ever try this one, reading books. It can be your alternative in spending your spare time, typically the book you have read is definitely Crystal Structure Determination.

#### **Regina Rodgers:**

Your reading 6th sense will not betray you actually, why because this Crystal Structure Determination guide written by well-known writer we are excited for well how to make book that could be understand by anyone who have read the book. Written within good manner for you, dripping every ideas and composing skill only for eliminate your own hunger then you still question Crystal Structure Determination as good book not only by the cover but also from the content. This is one e-book that can break don't determine book by its deal with, so do you still needing an additional sixth sense to pick this particular!? Oh come on your reading sixth sense already said so why you have to listening to one more sixth sense.

#### **David Bergeron:**

Are you kind of occupied person, only have 10 as well as 15 minute in your day time to upgrading your mind ability or thinking skill even analytical thinking? Then you are experiencing problem with the book compared to can satisfy your limited time to read it because all of this time you only find book that need more time to be study. Crystal Structure Determination can be your answer since it can be read by an individual who have those short extra time problems.

#### Livia Wilder:

Don't be worry when you are afraid that this book may filled the space in your house, you could have it in ebook method, more simple and reachable. That Crystal Structure Determination can give you a lot of pals because by you considering this one book you have issue that they don't and make a person more like an interesting person. This specific book can be one of one step for you to get success. This guide offer you information that might be your friend doesn't learn, by knowing more than different make you to be great persons. So , why hesitate? Let us have Crystal Structure Determination.

# Download and Read Online Crystal Structure Determination By Werner Massa #6HANSXZYD0F

# **Read Crystal Structure Determination By Werner Massa for online ebook**

Crystal Structure Determination By Werner Massa Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Crystal Structure Determination By Werner Massa books to read online.

# **Online Crystal Structure Determination By Werner Massa ebook PDF download**

## Crystal Structure Determination By Werner Massa Doc

Crystal Structure Determination By Werner Massa Mobipocket

Crystal Structure Determination By Werner Massa EPub

6HANSXZYD0F: Crystal Structure Determination By Werner Massa