



# Crystal Structure Determination

*By Werner Massa*

Download now

Read Online ➔

## 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: #2364538 in eBooks
- Published on: 2013-03-09
- Released on: 2013-03-09
- Format: Kindle eBook

 [Download Crystal Structure Determination ...pdf](#)

 [Read Online Crystal Structure Determination ...pdf](#)

## **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... Dr. Massa also lists the latest, most up-to-date crystallographic databases available on CD-ROM along with a brief description of each." 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:**

#### **Frances Feist:**

Why don't make it to be your habit? Right now, try to ready your time to do the important work, like looking for your favorite publication and reading a reserve. Beside you can solve your long lasting problem; you can add your knowledge by the book entitled Crystal Structure Determination. Try to face the book Crystal Structure Determination as your buddy. It means that it can to become your friend when you really feel alone and beside those of course make you smarter than ever. Yeah, it is very fortunated for yourself. The book makes you far more confidence because you can know anything by the book. So , we need to make new experience and knowledge with this book.

#### **Juanita Hernandez:**

What do you about book? It is not important with you? Or just adding material when you require something to explain what the one you have problem? How about your free time? Or are you busy man? If you don't have spare time to perform others business, it is give you a sense of feeling bored faster. And you have spare

time? What did you do? Everyone has many questions above. The doctor has to answer that question due to the fact just their can do in which. It said that about reserve. Book is familiar on every person. Yes, it is correct. Because start from on pre-school until university need this particular Crystal Structure Determination to read.

**Robert Watts:**

As people who live in typically the modest era should be change about what going on or data even knowledge to make these keep up with the era which can be always change and move forward. Some of you maybe may update themselves by reading books. It is a good choice for you personally but the problems coming to anyone is you don't know which you should start with. This Crystal Structure Determination is our recommendation to make you keep up with the world. Why, since this book serves what you want and need in this era.

**Joyce Washington:**

A lot of people said that they feel fed up when they reading a guide. They are directly felt the item when they get a half portions of the book. You can choose the particular book Crystal Structure Determination to make your current reading is interesting. Your own skill of reading talent is developing when you including reading. Try to choose straightforward book to make you enjoy you just read it and mingle the impression about book and examining especially. It is to be initially opinion for you to like to open a book and go through it. Beside that the book Crystal Structure Determination can to be your friend when you're experience alone and confuse in what must you're doing of the time.

**Download and Read Online Crystal Structure Determination By  
Werner Massa #368FZN1QM0E**

# **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**