



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:

Rodney Sierra:

In other case, little persons like to read book Crystal Structure Determination. You can choose the best book if you love reading a book. As long as we know about how is important some sort of book Crystal Structure Determination. You can add knowledge and of course you can around the world with a book. Absolutely right, because from book you can learn everything! From your country until eventually foreign or abroad you will be known. About simple factor until wonderful thing you may know that. In this era, we can easily open a book or searching by internet system. It is called e-book. You may use it when you feel uninterested to go to the library. Let's learn.

Mindy Marcotte:

Here thing why this particular Crystal Structure Determination are different and trustworthy to be yours. First of all reading through a book is good however it depends in the content of computer which is the content is as scrumptious as food or not. Crystal Structure Determination giving you information deeper

including different ways, you can find any book out there but there is no book that similar with Crystal Structure Determination. It gives you thrill examining journey, its open up your current eyes about the thing that happened in the world which is possibly can be happened around you. You can actually bring everywhere like in park your car, café, or even in your approach home by train. For anyone who is having difficulties in bringing the published book maybe the form of Crystal Structure Determination in e-book can be your alternative.

Ronald Smith:

Reading a e-book can be one of a lot of action that everyone in the world enjoys. Do you like reading book therefore. There are a lot of reasons why people enjoy it. First reading a publication will give you a lot of new information. When you read a reserve you will get new information simply because book is one of a number of ways to share the information or perhaps their idea. Second, looking at a book will make you actually more imaginative. When you reading a book especially fiction book the author will bring one to imagine the story how the personas do it anything. Third, you may share your knowledge to other individuals. When you read this Crystal Structure Determination, you are able to tells your family, friends and also soon about yours publication. Your knowledge can inspire others, make them reading a book.

Ed Abraham:

You will get this Crystal Structure Determination by visit the bookstore or Mall. Merely viewing or reviewing it can to be your solve problem if you get difficulties for your knowledge. Kinds of this reserve are various. Not only through written or printed and also can you enjoy this book through e-book. In the modern era like now, you just looking by your local mobile phone and searching what your problem. Right now, choose your current ways to get more information about your reserve. It is most important to arrange yourself to make your knowledge are still revise. Let's try to choose correct ways for you.

**Download and Read Online Crystal Structure Determination By
Werner Massa #R4PF7DUBMVX**

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

R4PF7DUBMVX: Crystal Structure Determination By Werner Massa