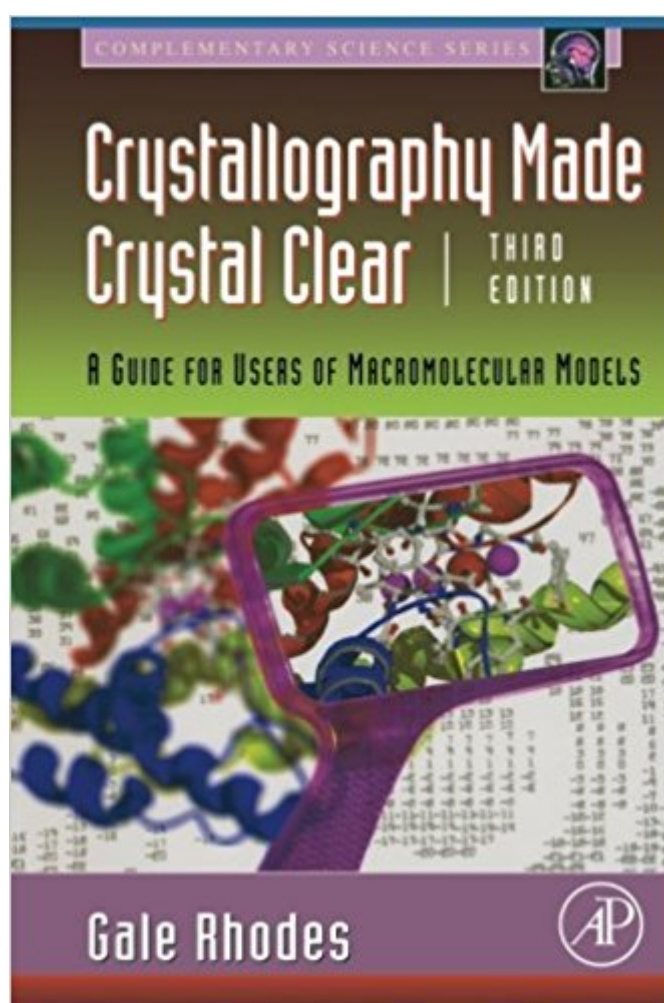


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# Crystallography Made Crystal Clear, Third Edition: A Guide For Users Of Macromolecular Models (Complementary Science)



## Synopsis

Crystallography Made Crystal Clear makes crystallography accessible to readers who have no prior knowledge of the field or its mathematical basis. This is the most comprehensive and concise reference for beginning Macromolecular crystallographers, written by a leading expert in the field. Rhodes' uses visual and geometric models to help readers understand the mathematics that form the basis of x-ray crystallography. He has invested a great deal of time and effort on World Wide Web tools for users of models, including beginning-level tutorials in molecular modeling on personal computers. Rhodes' personal CMCC Home Page also provides access to tools and links to resources discussed in the text. Most significantly, the final chapter introduces the reader to macromolecular modeling on personal computers-featuring SwissPdbViewer, a free, powerful modeling program now available for PC, Power Macintosh, and Unix computers. This updated and expanded new edition uses attractive four-color art, web tool access for further study, and concise language to explain the basis of X-ray crystallography, increasingly vital in today's research labs. \*

- \* Helps readers to understand where models come from, so they don't use them blindly and inappropriately
- \* Provides many visual and geometric models for understanding a largely mathematical method
- \* Allows readers to judge whether recently published models are of sufficiently high quality and detail to be useful in their own work
- \* Allows readers to study macromolecular structure independently and in an open-ended fashion on their own computers, without being limited to textbook or journals illustrations
- \* Provides access to web tools in a format that will not go out of date. Links will be updated and added as existing resources change location or are added

## Book Information

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## Customer Reviews

Praise for the first edition "Well-written...in my opinion is now the best reference for noncrystallographers who want to know more about X-ray diffraction and the data that result from it."

-AMERICAN JOURNAL OF PHYSIOLOGY

Expanded and updated edition uses four-color art and concise language to explain the basis of X-ray crystallography

Clear and concise. Fourier transforms are kept simple, and you get babied into XRay diffraction. Would recommend this book to anyone interested in X-ray crystallography.

I'm a biochemistry graduate student working on protein crystallography, this is a very good book to beginners, my advisor suggest me to read it and it's very good!

A "must have" item. I found this book extremely helpful for understanding the basic concepts of crystallography. I gave it the top score of 5 stars

Topics are well described and also are well organized. Textbook have good illustrations. Studying at Biochem/Biophysics grad school and this textbook was a good introduction to crystallography.

this book will be of great use to me as a beginner in crystallography and help me with my studies.

Excellent book for those getting their feet wet starting crystallography. A good mix of basic theory and practical stuff. Highly recommend this book.

This book is great for people who are just starting biological macromolecular crystallography. It is detailed enough to familiarize the reader with the nomenclature, yet simple enough so that beginners can grasp the process well. I recommend it to advanced undergraduates and graduate students who are interested in protein X-ray crystallography.

some pages are printed with purple or yellow font. Very hard to read because of that. They should recall them.

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