X-ray Crystallography

Gregory S. Girolami
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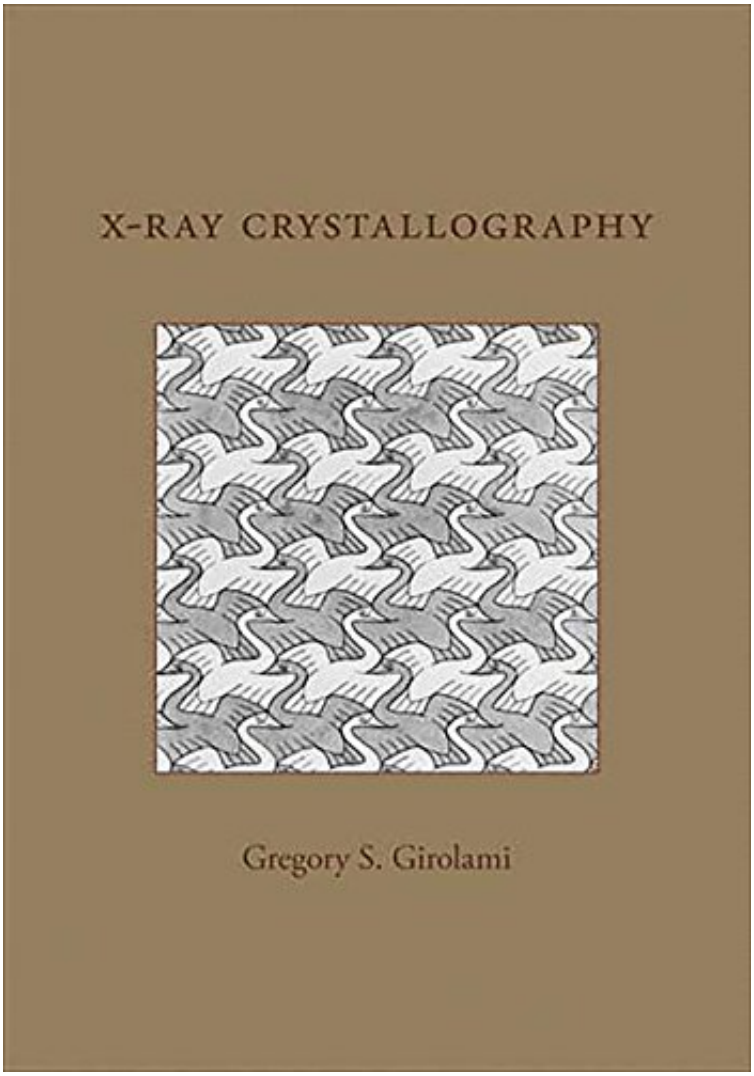

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Gregory S. Girolami : X-ray Crystallography before purchasing it in order to gage whether or not it would be worth my time, and all praised X-ray Crystallography:

This is a well-balanced, thorough, and clearly written introduction to the subject. It features excellent illustrations and homework problems throughout, making it invaluable as a textbook. The book progresses in a logical and clear fashion from the fundamentals through to advanced topics, such as disorder, twinning, microfocus sources, low energy electron diffraction, charge flipping, protein crystallography, the maximum likelihood method of refinement, and

powder, neutron, and electron diffraction. The author's clear writing style and distinctive approach is well suited for chemists, biologists, materials scientists, physicists, and scientists from related disciplines. It is a great resource for those who are learning the subject for the first time (both advanced undergraduate and graduate students), and for those who have practical experience but seek a handy reference summary.

"This is a very readable text, and generally very well written with good coverage and many excellent exercises. I particularly liked the chapters on symmetry and direct methods." -- -Dr. Marvin L. Hackert, The University of Texas at Austin "Publisher's Advance s""Girolami, an expert in the area, understands key issues of crystallography from the standpoint of a practicing chemist. He communicates in a crisp style. I found his presentation of the topic to be clear and interesting, and would use this text as part of a course in chemical crystallography for advanced undergrads and beginning grad students." -- -Professor Eric Schelter, University of Pennslyvania "Publisher's Advance s"About the AuthorGregory S. Girolami is Professor of Chemistry and Chemistry Department Head at the University of Illinois at Urbana-Champaign. He received B.S. degrees both in chemistry and in physics from the University of Texas at Austin, and his Ph.D. degree in 1981 from the University of California at Berkeley. Thereafter, he was a NATO postdoctoral fellow at Imperial College of Sciences and Technology in London, England, with Nobel Laureate Sir Geoffrey Wilkinson. He joined the faculty of the University of Illinois at Urbana-Champaign in 1983. His research emphasizes the synthesis of new inorganic and organometallic compounds and materials, investigations of their reactivity, and measurements and interpretations of their physical properties. As part of this work, he has extensively used X-ray crystallography, and has taught a course on this topic at the University of Illinois since 1997.