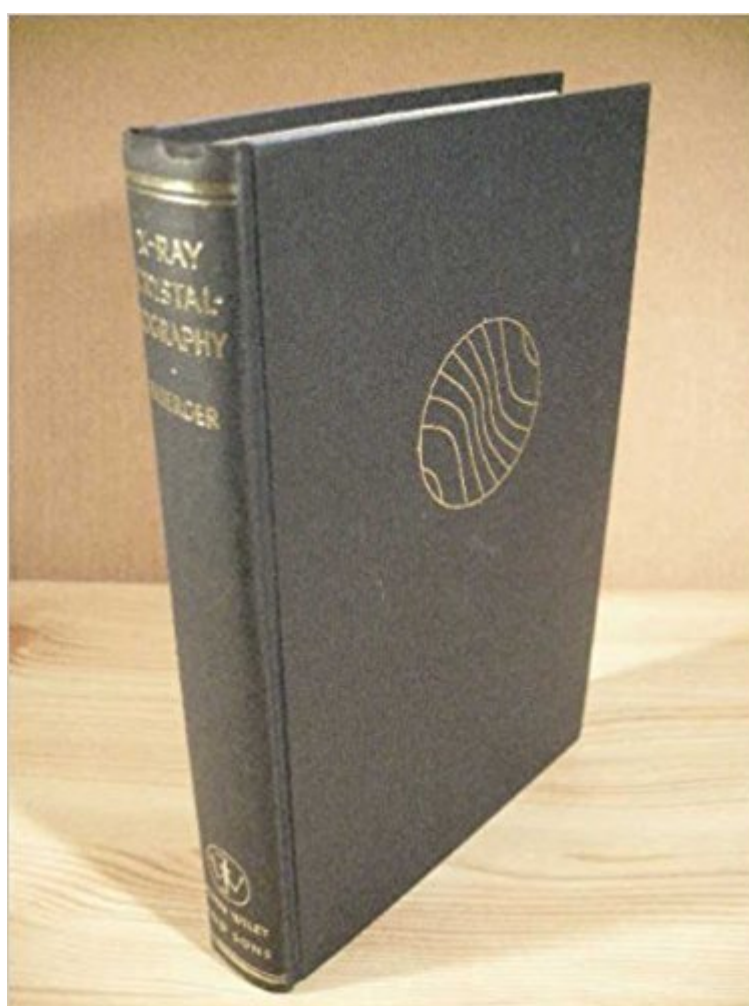


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X-Ray Crystallography: An Introduction To The Investigation Of Crystals By Their Diffraction Of Monochromatic X-Radiation



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Buerger's 1942 book (500+ pages) is a classic introduction to X-ray crystallography which still stands the test of time: its geometrical discussion of the reciprocal lattice is one of the most well written so far. From chapter 8 the book discusses the rotating crystal method for determining the dimensions of unit cells. The remaining chapters describe the so called moving film methods (Weissenberg, Sauter, etc.) which were of paramount importance before the advent of computer-controlled X-ray diffractometers. Needless to say that professional crystallographers should be familiar with such methods even in the era of automated instruments. The extended discussion of moving film methods and their corresponding apparatuses will appeal also to those interested in the historical aspects of crystallography.

I learned x-ray crystallography by reading this book cover-to-cover. Just a clear, clean description of what to do. Later I practised the skill and read more books on the subject but no book came close to the precision and clearness of this book

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