



# Structure Determination by X-ray Crystallography

By Mark F.C. Ladd, Rex A. Palmer

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**Structure Determination by X-ray Crystallography** By Mark F.C. Ladd, Rex A. Palmer

I was highly flattered when I was asked by Mark Ladd and Rex Palmer if I would write the Foreword to this Fourth Edition of their book. "Ladd & Palmer" is such a well-known and classic book on the subject of crystal structure determination, one of the standards in the field: I did feel daunted by the prospect, and wondered if I could do justice to it. The determination of crystal structures by X-ray crystallography has come a long way since the 1912 discoveries of von Laue and the Braggs. In the intervening years great advances have been made, so that today it is almost taken for granted that crystal structures can be determined in which hundreds, if not thousands, of separate atomic positions can be found with apparent ease. In the early years the structures of relatively simple materials, such as the alkali halides, were often argued over and even disputed, whereas today we routinely see published structures of most complex molecular crystals, including the structures of viruses and proteins.

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### **Editorial Review**

#### **Review**

From the reviews of the fourth edition:

"The fourth edition of the well-known and classic book: Structure determination by X-ray crystallography by Ladd and Palmer is a welcome introduction to the field. The authors succeeded in linking the historical roots of crystallography to its most recent developments. This new edition of the book will be helpful for those who really want to learn and practice crystallography and are not happy to simply press return on their keyboards." (Philippe Dumas, Journal of Molecular Recognition, Vol. 19 (2), 2006)

#### **About the Author**

MICK INKPEN's books starring Kipper have sold millions of copies worldwide and have been translated into more than twenty languages. His more recent titles include Kipper's A to Z, a Publishers Weekly Best Book of the Year and an ABA's Pick of the Lists, and Kipper and Roly. Mr. Inkpen lives in Suffolk, England.

### **Users Review**

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**Belinda Bridges:**

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