



## Crystallography of Modular Materials

By Giovanni Ferraris

OUP Oxford. Paperback. Book Condition: New. Paperback. 416 pages. Dimensions: 9.0in. x 6.1in. x 0.9in. This is the first book to provide a comprehensive treatment of theories and applications in the rapidly expanding field of the crystallography of modular materials. Molecules are the natural modules from which molecular crystalline structures are built. Most inorganic structures, however, are infinite arrays of atoms and some kinds of surrogate modules, e. g. coordination polyhedra, are usually used to describe them. In recent years the attention has been focused on complex modules as the basis for a systematic description of polytypes and homologous polysomatic series (modular structures). This representation is applied to the modelling of unknown structures and understanding nanoscale defects and intergrowths in materials. The OrderDisorder (O. D. ) theory is fundamental to developing a systematic theory of polytypism, dealing with those structures based on both ordered and disordered stacking of one or more layers. Twinning at both unit-cell and micro-scale, together with disorder, causes many problems, demons, for computer-based methods of crystal structure determination. This book develops the theory of twinning with the inclusion of worked examples, converting the demons into useful indicators for unravelling crystal structures. In spite of the increasing use of...



**READ ONLINE**  
[ 2.92 MB ]

### Reviews

*This book is very gripping and fascinating. Of course, it can be perform, nevertheless an amazing and interesting literature. I am just pleased to explain how this is basically the finest publication i have go through within my very own lifestyle and might be he best pdf for possibly.*

-- Prof. Beulah Stark

*The ebook is simple in go through better to fully grasp. It is actually rally exciting through reading through period. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- Alexander Jacobi

## Relevant PDFs



### [If I Have to Tell You One More Time: the Revolutionary Program That Gets Your Kids to Listen without Nagging, Reminding or Yelling](#)

Tarcher/Putnam,US, United States, 2012. Paperback. Book Condition: New. 206 x 137 mm. Language: English . Brand New Book. The Revolutionary Program That Gets Your Kids To Listen Without Nagging, Reminding, or Yelling Why does it feel sometimes as if our children have...



### [Steve Jones: Secret of the Red Emerald \(Unofficial Minecraft Book for Kids\)](#)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Discover Steve Jones: Secret of the Red Emerald (Unofficial Minecraft Book for kids)As a Special Thank You...



### [Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade](#)

Book Condition: Brand New. Book Condition: Brand New.



### [Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade](#)

Book Condition: Brand New. Book Condition: Brand New.



### [Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .](#)

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



### [Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large](#)

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.This book is about my cousin, Billy a guy who taught me a lot over the years and who can teach you a lot. Everyone who...