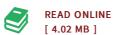




Aperiodic Crystals

By -

Springer. Hardcover. Book Condition: New. Hardcover. 286 pages. Dimensions: 9.2in. x 6.3in. x 0.9in.Aperiodic Crystals collects 37 selected papers from the scientific contributions presented at Aperiodic 2012 - the Seventh International Conference on Aperiodic Crystalsheld held in Cairns, Australia, 2-7 of September 2012. The volume discusses state-of-the-art discoveries, new trends and applications of aperiodic crystals - including incommensurately modulated crystals, composite crystals, and quasicrystals - from a wide range of different perspectives. Starting with a general historical introduction to aperiodic crystals, the book proceeds to examine the complex mathematics of aperiodic long-range order, as well as the theoretical approaches aimed at understanding some of the unique properties and mechanisms underlying the existence of aperiodic crystals. The book then explores in detail such topics as complex metallic alloys, modulated structures, quasicrystals and their approximants, dynamics, disorder and defects in quasicrystals. It concludes with an analysis of quasicrystal surfaces and their properties. By describing the latest research and the progress made on the structure determination of aperiodic crystals and the influence of this unique structure on their physical properties, this book represents a valuable resource to mathematicians, crystallographers, physicists, chemists, materials and surface scientists, and even architects and artists, interested in the fascinating...



Reviews

Very good eBook and valuable one. Better then never, though i am quite late in start reading this one. I am very easily could possibly get a satisfaction of reading through a created publication.

-- Brianne Heidenreich

This ebook can be well worth a go through, and far better than other. Sure, it can be enjoy, continue to an interesting and amazing literature. I am just delighted to tell you that this is the greatest book i have got study within my personal daily life and could be he very best publication for actually.

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