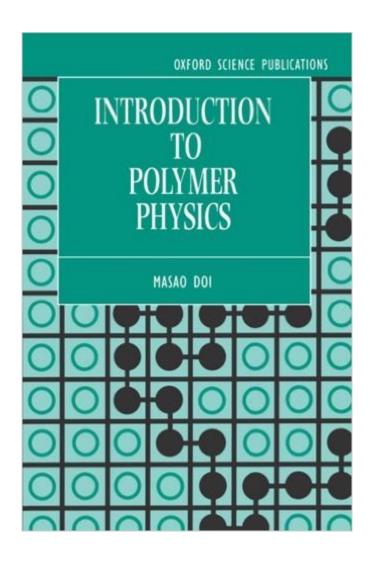
The book was found

Introduction To Polymer Physics





Synopsis

Polymers are very large molecules consisting of many atoms covalently bonded like a chain. Their structure gives unique physical properties to polymer solutions. This outstanding textbook gives a clear and concise introduction to the modern theory of polymer physics. It describes basic concepts and methods and explains the statistical properties of the assembly of chain-like molecules; topics include scaling theory, concentration fluctuation, gels, and reptation. This is an ideal volume for graduate students and advanced undergraduates in polymer physics.

Book Information

Paperback: 136 pages

Publisher: Clarendon Press (July 25, 1996)

Language: English

ISBN-10: 0198517890

ISBN-13: 978-0198517894

Product Dimensions: 9.2 x 0.4 x 6.1 inches

Shipping Weight: 9.4 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews (4 customer reviews)

Best Sellers Rank: #568,328 in Books (See Top 100 in Books) #4 in Books > Science & Math >

Chemistry > Chemical Physics #14 in Books > Science & Math > Chemistry > Polymers &

Macromolecules #93 in Books > Science & Math > Physics > Applied

Customer Reviews

Firstly, this book is NOT for someone wanting an introduction to polymer science. There is little here that would be of use in a first course in polymers. The book is very slim (a scarce 113 pages), divided into five chapters covering individual polymer chains, melts, gels, dynamics in dilute solutions, and finally dynamics in the entanglement regime. The intense detail of Doi and Edwards is left out but the level of mathematical description is comparable. Strongly recommended as an introduction to polymer physics, especially because it covers a lot of important issues in a very brief, easy-to-understand, but rigorous fashion.

The finest aspect of the book is its thickness; in just over 100 pages Doi essentially summarises everything in Polymer Dynamics. In some sense the book is meant as a bridge between the graduate level courses on Polymer Dynamics/Physics and book: The Theory of Polymer Dynamics and hence is assessible only with some background on basics. Nevertheless its serves its purpose

pretty well.

It's short and to the point, explaining all the fundamentals needed to progress in this field.

Reading the reviews for Theory of Polymer Dynamics, I purchased this book and it is indeed a great introduction to polymer physics.

Download to continue reading...

The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) The Encyclopedia of Polymer Clay Techniques: A Comprehensive Directory of Polymer Clay Techniques Covering a Panoramic Range of Exciting Applications The Big Book of Polymer Blends: Polymer Clay Blends. Made Simple. In One Place. Polymer clay: All the basic and advanced techniques you need to create with polymer clay. (Volume 1) Crackle Techniques: The Ultimate Guide for Polymer Clay Art and Craft (The Ultimate Guides for Polymer Clay Book 1) SCULPTING THE EASY WAY IN POLYMER CLAY FOR BEGINNERS 2: How to sculpt a fairy head in Polymer clay (Sculpting the easy way for beginners) Polymer Synthesis, Second Edition: Volume 1 (Polymer Syntheses) Methods of X-ray and Neutron Scattering in Polymer Science (Topics in Polymer Science) Functional Polymer Coatings: Principles, Methods, and Applications (Wiley Series on Polymer Engineering and Technology) Introduction to Polymer Physics An Introduction to Polymer Physics Polymer Surfaces: From Physics to Technology Progress in Understanding of Polymer Crystallization (Lecture Notes in Physics) Introduction to Chemical Physics (International Series In Pure And Applied Physics) Polymer Chemistry: An Introduction Introduction to Physical Polymer Science, 3rd Edition Introduction to Polymer Viscoelasticity Introduction to Polymer Viscoelasticity, 3rd Edition An Introduction to Polymer Science Medical Health Physics: Health Physics Society 2006 Summer School

<u>Dmca</u>