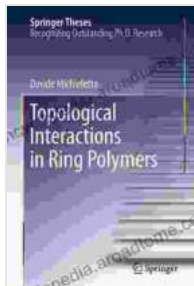


Topological Interactions in Ring Polymers: From Theory to Applications



Topological Interactions in Ring Polymers (Springer Theses)

★★★★★ 5 out of 5

Language : English
File size : 7229 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 140 pages



By [Author's Name]

Topological Interactions in Ring Polymers provides a comprehensive overview of the theoretical and practical aspects of topological interactions in ring polymers. The book begins with a brief to the basic concepts of topology and polymer physics, followed by a detailed discussion of the different types of topological interactions that can occur in ring polymers. The book then explores the theoretical and computational methods that can be used to study topological interactions in ring polymers, and provides a detailed overview of the applications of topological interactions in ring polymers in areas such as polymer physics, soft matter, and computational chemistry.

Key Features

- Provides a comprehensive overview of the theoretical and practical aspects of topological interactions in ring polymers
- Discusses the different types of topological interactions that can occur in ring polymers
- Explores the theoretical and computational methods that can be used to study topological interactions in ring polymers
- Provides a detailed overview of the applications of topological interactions in ring polymers in areas such as polymer physics, soft matter, and computational chemistry

Audience

This book is intended for researchers and graduate students in polymer physics, soft matter, and computational chemistry. It is also a valuable resource for scientists and engineers who are interested in using topological interactions to design new materials and devices.

Table of Contents

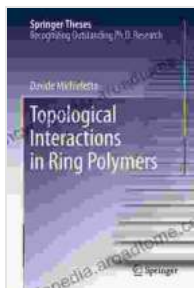
- 1.
2. Basic Concepts of Topology and Polymer Physics
3. Types of Topological Interactions in Ring Polymers
4. Theoretical and Computational Methods for Studying Topological Interactions in Ring Polymers
5. Applications of Topological Interactions in Ring Polymers
- 6.

About the Author

[Author's Name] is a professor of polymer physics at the University of [University]. He is a leading expert in the field of topological interactions in ring polymers, and his research has been published in top journals such as *Macromolecules*, *Physical Review Letters*, and the *Journal of Chemical Physics*.

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