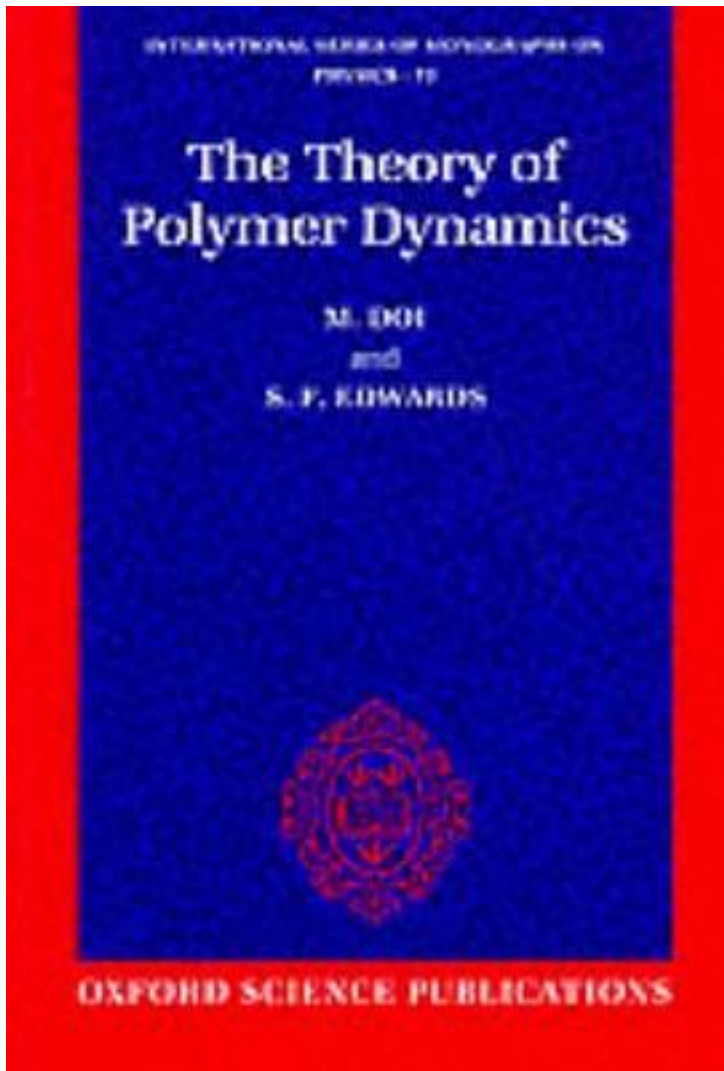


The Theory of Polymer Dynamics (International Series of Monographs on Physics)



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出版者:Oxford University Press, USA

出版时间:1988-11-24

装帧:Paperback

isbn:9780198520337

Over the past twenty years our understanding of polymer solutions has undergone a dramatic evolution. New methods and concepts have extended the frontier of the theory from dilute solutions in which polymers move independently of each other, to concentrated solutions where many polymers entangle with each other. This book provides a comprehensive account of the modern theory for the dynamical properties of polymer solutions. This includes viscoelasticity, diffusion, dynamic light scattering and flow and electric birefringence. Nonlinear viscoelasticity is discussed in detail on the basis of molecular dynamical models. The book fills a gap between classical theory and modern developments and constructs a consistent picture for the dynamics of polymer solutions over the entire concentration range.

作者介绍:

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标签

动力学

高分子

polymer

高分子物理

聚合物

物理学

评论

读了半年多终于读完了，果然在写了些模拟的代码后看好很多。

跟polymer打交道的必读

经典

S. F. Edwards 在2015年去世了。

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书评

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