

## The Mesoscopic Theory Of Polymer Dynamics Springer Series In Chemical Physics

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The Mesoscopic Theory of Polymer Dynamics. The theory presented in this book explains in a consistent manner all dynamic effects (diffusion, neutron scattering, viscoelasticity, optical birefringence) observed in very concentrated solutions and melts of linear polymers from a macromolecular point of view. This monograph reconciles different approaches to polymer dynamics and reflects the modern situation in understanding the relaxation behaviour of the polymer systems.

### The Mesoscopic Theory of Polymer Dynamics | SpringerLink

The Mesoscopic Theory of Polymer Dynamics. Author (s) Pokrovskii, Vladimir N. Publication. Dordrecht : Springer, 2010. - 266 p. Series. ( Springer Series in Chemical Physics ; 95) Subject category.

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Mesoscopic theory of the viscoelasticity of polymers. Chitanvis SM(1). Author information: (1)Theoretical Division, Los Alamos National Laboratory, Los Alamos, New Mexico 87545, USA. We have advanced our previous static theory of polymer entanglement involving an extended Cahn-Hilliard functional, to include time-dependent dynamics.

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