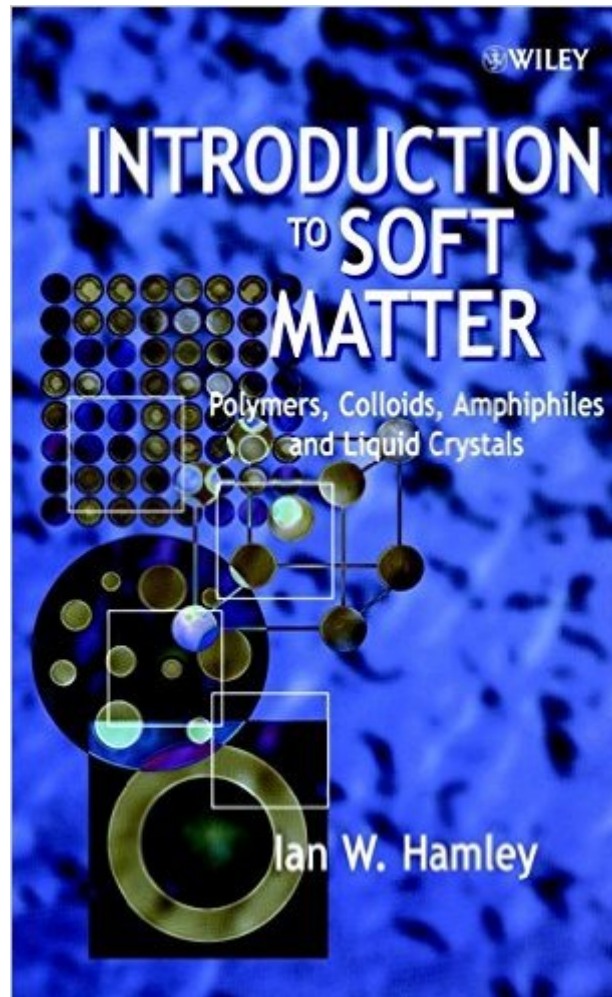


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Introduction To Soft Matter: Polymers, Colloids, Amphiphiles And Liquid Crystals



Synopsis

Provides an introduction to this exciting subject with chapters covering natural and synthetic polymers, colloids, surfactants, and liquid crystals, highlighting the many and varied applications of these materials. * The only introductory book on this subject * Cutting-edge introduction to a new and emerging subject area * An interdisciplinary approach suitable of chemistry, materials science, physics, and biochemistry courses * Copious end-of-chapter problems

Book Information

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This book contains a concised overview on soft matter physics or what chemists use to call colloid chemistry. As stated by the author in the Preface, it has been written primarily for undergraduate students. However, it should be also useful to researchers that are looking for a unified view of the subject. The book is organized in five chapters: 1) Introduction, 2) Polymers, 3) Colloids, 4) Amphiphiles, and 5) Liquid crystals. Each chapter includes both FURTHER READING and QUESTIONS sections (numerical solutions to the questions are provided at the end of the book). All in all this quasi-pocket book appear to have reached its scope, I think, and hence I rated it with five stars. Readers that want to dig deeper into this subject may consult the book Soft Matter Physics: an Introduction, by Kleman and Lavrentovich (648 pp). Those wishing to take an intermediate step, may consult the recently published book Soft Condensed Matter by Jones (230 pp).

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