



## Soft Condensed Matter (Paperback)

By R Jones Ph., Department of Physics and Astronomy Richard A L Jones

Oxford University Press, United Kingdom, 2002. Paperback. Book Condition: New. Corr. repr.. 244 x 188 mm. Language: English . Brand New Book. The physics of soft condensed matter is probably one of the most fashionable areas in the physical sciences today. This book offers a coherent and clear introduction to the properties and behaviour of soft matter. It begins with a treatment of the general underlying principles: the relation of the structure and dynamics of solids and liquids to intermolecular forces, the thermodynamics and kinetics of phase transitions, and the principles of self-assembly. Then the specific properties of colloids, polymers, liquid crystals and self-assembling amphiphilic systems are treated within this framework. A concluding chapter illustrates how principles of soft matter physics can be used to understand properties of biological systems. The focus on the essentials and the straightforward approach make the book suitable for students with either a theoretical or an experimental bias. The level is appropriate for final year undergraduates and beginning graduate students in physics, chemistry, materials science, and chemical engineering.



**READ ONLINE**  
[ 7.88 MB ]

### Reviews

*A brand new e book with an all new point of view. I have got read and i am sure that i am going to likely to read through once more once more in the future. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- **Ms. Teagan Osinski III**

*Very useful to all category of men and women. I actually have study and i also am certain that i am going to going to read through again once more down the road. Its been written in an exceptionally simple way and is particularly only soon after i finished reading this publication by which basically altered me, modify the way in my opinion.*

-- **Dr. Sarai Fisher DDS**