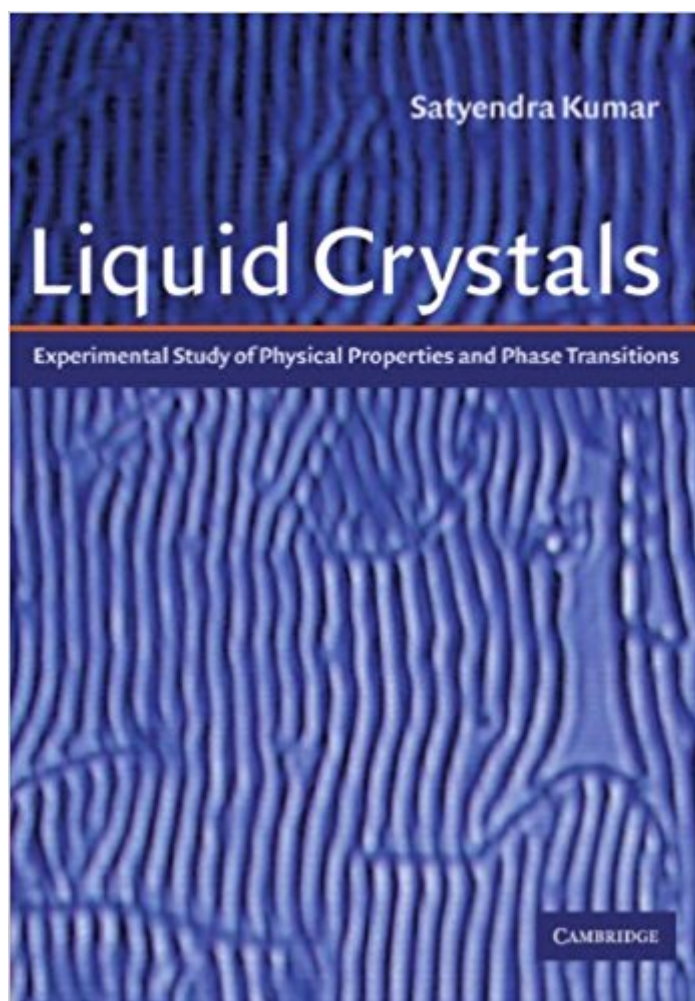


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Liquid Crystals: Experimental Study Of Physical Properties And Phase Transitions



Synopsis

This hands-on guide details various experimental techniques used in the study of liquid crystals and other soft-condensed matter systems. Each chapter portrays an important technique used to study and characterize these systems, fully discussing both the capabilities and limitations of each particular method. In addition, the volume also describes general routes used to synthesize liquid crystals, tools to characterize liquid crystal phases, and seeks to show structure property relationships for well known systems. This book will be indispensable for established workers in the field as well as students embarking on liquid crystal research.

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This book provides hands-on details of various different techniques used in the study of liquid crystals and other soft-condensed matter systems. Each chapter in the book is dedicated to the use of an important experimental technique and discusses both its capabilities and limitations. In addition, general routes used to synthesize liquid crystals and tools to characterize liquid crystal phases are described. This book will be of particular interest to researchers in the fields of liquid crystals and soft condensed matter as well as graduate students in physics, chemistry and materials science.

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