

Book Review

Scattering Techniques Applied to Supramolecular and Nonequilibrium Systems, Edited by S. H. Chen, B. Chu, and R. Nossal, Plenum Press, New York and London, 1981, 928 pp., \$95.00.

This volume contains the Proceedings of a Third NATO Advanced Study Institute on modern scattering techniques and applications. The two previous volumes,^(1,2) which dealt exclusively with optical methods, are well known to experimental researchers in the field. In addition to reviews of procedures for analyzing dynamic light scattering data, among which two articles by C. J. Oliver on recent developments in photon correlation and spectrum analysis techniques deserve special mention, the new volume also contains a discussion of small-angle X-ray and neutron scattering. The volume definitely delivers what is promised by the title. It contains an up-to-date survey of the application of scattering techniques to polymer and colloidal systems and to various nonequilibrium systems including the phenomena of nucleation, spinodal decomposition, fluctuations in fluids in the presence of a gradient, and convective hydrodynamic instabilities. It also contains applications of light scattering and of neutron scattering to the study of structure and motions in a variety of biological systems.

This new volume is a worthy successor of the previous volumes^(1,2) and deserves a place in any modern research library.

1. *Photon Correlation and Light Beating Spectroscopy*, H. Z. Cummins and E. R. Pike, eds. (Plenum Press, New York and London, 1974).
2. *Photon Correlation Spectroscopy and Velocimetry*, H. Z. Cummins and E. R. Pike, eds. (Plenum Press, New York and London, 1977).

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