

Quasielastic Neutron Scattering for the Investigation of Diffusive Motions in Solids and Liquids

By Professor Dr.
Tasso Springer,
Institut für
Festkörperforschung
der Kernforschungs-
anlage Jülich

With 36 figures. II, 100 pages. 1972
(Springer Tracts in Modern Physics/
Ergebnisse der exakten Naturwissen-
schaften, Vol. 64)
Cloth DM 38,—

Contents:

Scattering Theory. — Methodical and
Experimental Aspects. — Monoatomic
Liquids with Continuous Diffusion. —
Jump Diffusion in Liquids. — Diffusion of
Hydrogen in Metals. — Rotational
Diffusion in Molecular Solids. —
Molecular Liquids. — Polymeres and
Other Complicated Systems. — Effects
of Coherent Scattering. — Quasielastic
Scattering and Other Methods.



Springer-Verlag
Berlin
Heidelberg
New York
London München Paris
Sydney Tokyo Wien

SPRINGER TRACTS IN MODERN PHYSICS

occupy an intermediate position some-
where between a journal and a progress
report. It is the object of this series
to provide concise accounts of new
developments in all areas of physics.

Communications in Mathematical Physics

Volume 30 · Number 2 · 1973

Contents

Pulvirenti, M., Tirozzi, B.: Time Evolution of a Quantum Lattice System	83
Kijowski, J.: A Finite-dimensional Canonical Formalism in the Classical Field Theory	99
Takesaki, M., Winnink, M.: Local Normality in Quantum Statistical Mechanics	129
MacCallum, M. A. H.: The Averaged Lagrangian and High-Frequency Gravitational Waves	153

Indexed in Current Contents

Responsible for advertisements:

L. Siegel, D 1000 Berlin 15, Kurfürstendamm 237

Telephone: (03 11) 8 83 01 31, Telex 01-85 411

Springer-Verlag Berlin · Heidelberg · New York

Printers: Brühlsche Universitätsdruckerei, Gießen

Printed in Germany — © by Springer-Verlag Berlin · Heidelberg 1973