Record Nr. UNINA9910830968303321 Dynamical processes in condensed matter [[electronic resource] /] / **Titolo** edited by Myron W. Evans Pubbl/distr/stampa New York, : Wiley, c1985 **ISBN** 1-282-34718-7 9786612347184 0-470-14287-1 0-470-14332-0 Descrizione fisica 1 online resource (883 p.) Collana Advances in chemical physics, , 0065-2385;; v. 63 Altri autori (Persone) EvansMyron W <1950-> (Myron Wyn) Disciplina 530.4 541.305 541/.08 Soggetti Condensed matter Chemistry, Physical and theoretical Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "An Interscience publication." Note generali Nota di bibliografia Includes bibliographies and indexes. DYNAMICAL PROCESSES IN CONDENSED MATTER; CONTENTS; Nota di contenuto TRANSPORT PROPERTIES AND SOLITON MODELS OF POLYACETYLENE: DEVELOPMENT AND APPLICATION OF THE THEORY OF BROWNIAN MOTION; THE FADING OF MEMORY DURING THE REGRESSION OF STRUCTURAL FLUCTUATIONS; COOPERATIVE MOLECULAR BEHAVIOR AND FIELD EFFECTS ON LIQUIDS: EXPERIMENTAL CONSIDERATIONS; A REVIEW AND COMPUTER SIMULATION OF THE MOLECULAR DYNAMICS OF A SERIES OF SPECIFIC MOLECULAR LIQUIDS; RECENT ADVANCES IN MOLECULAR- DYNAMICS COMPUTER SIMULATION; NONADIABATIC SCATTERING PROBLEMS IN LIQUID-STATE VIBRAFIONAL RELAXATION THE BREAKDOWN OF THE KRAMERS THEORY AS A PROBLEM OF CORRECT MODELINGMOLECULAR DYNAMICS IN RIGID-ROD MACROMOLECULAR LYOTROPIC LIQUID CRYSTALS; THE LOCAL FIELD IN THE STATISTICAL-MECHANICAL THEORY OF DIELECTRIC POLARIZATION: ADVANCES IN MICROWAVE AND SUBMILLIMETER-WAVE

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DIELECTRIC SPECTROSCOPIC TECHNIQUES AND THEIR APPLICATIONS;

## Sommario/riassunto

Featuring the work of an international group of scholars, this volume covers the transport properties and Soliton models of Polyacetylene, development and application of the theory of Brownian Motion, the fading of memory during the regression of structural fluctuations, the breakdown of the Kramers Theory as a problem of correct modeling, and more.