

1. Record Nr.	UNINA9911019873403321
Titolo	Proceedings of the Conference on Instability and Dissipative Structures in Hydrodynamics // edited by I. Prigogine and Stuart A. Rice
Pubbl/distr/stampa	New York, : Wiley, [1975]
ISBN	9786612347542 9781282347540 1282347543 9780470143841 0470143843 9780470144176 0470144173
Descrizione fisica	1 online resource (346 p.)
Collana	Advances in chemical physics ; ; v. 32
Altri autori (Persone)	PrigogineI (Ilya) RiceStuart Alan <1932-2024.>
Disciplina	532.58 541.305 541/.08
Soggetti	Heat - Convection Hydrodynamics Stability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	PROCEEDINGS OF THE CONFERENCE ON INSTABILITY AND DISSIPATIVE STRUCTURES IN HYDRODYNAMICS; CONTENTS; ON THE MECHANISM OF INSTABILITIES IN NONLINEAR SYSTEMS; ON A UNIFIED THERMODYNAMIC APPROACH TO A LARGE CLASS OF INSTABILITIES OF DISSIPATIVE CONTINUA; CONCEPTS IN HYDRODYNAMIC STABILITY THEORY; SOME REMARKS ON VARIATIONAL METHODS, THE LOCAL POTENTIAL, AND FINITE ELEMENT METHODS WITH APPLICATION TO CERTAIN CONTINUUM MECHANICS PROBLEMS; GLANSDORFF-PRIGOGINE CRITERION AND STATISTICAL THEORY; NUMERICAL MODELS FOR CONVECTION; THE EFFECT OF PRANDTL NUMBER ON FINITE AMPLITUDE BENARD CONVECTION

LIGHT SCATTERING FROM NONEQUILIBRIUM FLUID SYSTEMS; MAGNETIC FIELDS AND CONVECTION; STABILITY OF SUPERCRITICAL BENARD CONVECTION AND TAYLOR VORTEX FLOW; LABORATORY EXPERIMENTS ON DOUBLE-DIFFUSIVE INSTABILITIES; CYLINDRICAL COUETTE FLOW INSTABILITIES IN NEMATIC LIQUID CRYSTALS; THEORETICAL AND EXPERIMENTAL STUDY OF STATIONARY PROFILES OF A WATER-ICE MOBILE SOLIDIFICATION INTERFACE; STELLAR EVOLUTIONARY STABILITY IN RELATION TO SPECTRAL THEORY; STELLAR ATMOSPHERES, NONEQUILIBRIUM THERMODYNAMICS, AND IRREVERSIBILITY; THE BENARD INSTABILITY IN LIQUID MIXTURES ON THE NATURE OF OSCILLATORY CONVECTION IN TWO-COMPONENT FLUIDS; FINITE AMPLITUDE INSTABILITY IN THE TWO-COMPONENT BENARD PROBLEM; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto

The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical, authoritative evaluations of advances in every area of the discipline. Filled with cutting-edge research reported in a cohesive manner not found elsewhere in the literature, each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics.
