Record Nr. UNINA9910781406403321 Current trends in turbulence research [[electronic resource] /] / edited **Titolo** by Herman Branover, Michael Mond, Yeshajahu Unger Pubbl/distr/stampa Was[h]ington, D.C., : American Institute of Aeronautics and Astronautics, c1988 **ISBN** 1-60086-583-6 1-60086-364-7 Descrizione fisica 1 online resource (476 p.) Collana Progress in astronautics and aeronautics; v. 112 Altri autori (Persone) BranoverHerman <1931-> MondMichael UngerYeshajahu Disciplina 629.1 s 629.132/32 Turbulence Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Technical papers from the proceedings of the Fifth Beer-Sheva Note generali International Seminar on Magnetohydrodynamic Flow and Turbulence. Ben-Gurion University of Negev, Beer-Sheva, Israel, March 2-6, 1987. and subsequently revised for this volume." Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; Nota di contenuto ""Coherent Structures: Their Measurements and Applications""; ""Control of Plane Mixing Layer: Some Novel Experiments"; ""Competing Instabilities in Rayleigh-Benard Convection""; ""Experimental Investigation of the Two-Dimensional Inverse Energy Cascade""; ""Turbulence Pecularities Caused by Interference of Magnetic Fields with the Energy Transfer Phenomena""; ""Accelerated Mixing Layer""; ""Turbulent Vortex Ring and Entrainment Mechanism"" ""Measurements of Fluctuations of Thermodynamic Variables and Mass Flux in Supersonic Turbulence"""Topological Approach to Problems of Vortex Dynamics and Turbulence""; ""Methods of Topological Description in MHD""; ""MHD Turbulent Processes""; ""Plasma Diffusion and Relaxation Due to Low-Level Turbulence""; ""Some Progress in Statistical Turbulence Theory""; ""Application of Renormalization Group Methods to Turbulence""; ""Large-Eddy Simulation of a Turbulent Channel Flow""; ""Large-Scale Flow Driven by the AKA Effect:Nonlinear

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