Record Nr. UNINA9910457537703321 Liquid-metal flows [[electronic resource]]: magnetohydrodynamics and **Titolo** applications / / edited by Herman Branover, Michael Mond, Yeshajahu Unger Washington, D.C., : American Institute of Aeronautics and Astronautics, Pubbl/distr/stampa **ISBN** 1-60086-586-0 1-60086-367-1 Descrizione fisica 1 online resource (637 p.) Collana Progress in astronautics and aeronautics; ; v. 111 Altri autori (Persone) BranoverHerman <1931-> MondMichael UngerYeshajahu Disciplina 629.1 s 620.1/06 Soggetti Fluid dynamics Liquid metals Magnetohydrodynamics Electronic books. 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 the Negev, Beer-Sheva, Israel, March 2-6, 1987." Includes bibliographical references and index. Nota di bibliografia ""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; Nota di contenuto ""Chapter I. Laminar MHD Flows""; ""Three-Dimensional Laminar MHD Flow in Ducts with Thin Metal Walls and Strong Magnetic Fields"": ""MHD Flows with Closed Streamlines""; ""Magnetically Driven Secondary Flows in Annular Cavities""; ""Experience with Permanent Magnet Probes for the Measurement of Local Velocities in Liquid Metals""; ""Local Measurements of a Magnetic Perturbation Field in the Up- and Downstream Wake of a Cylinder""; ""Nonlinear Wave of Liquid Metals under a Transverse Magnetic Field"" ""Investigation of Pressure Losses and Apparent Viscosity Incurred by Periodic Electromagnetic Forces""""Chapter II. MHD Power Generation"";

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