1. Record Nr. UNINA9910781433503321 Opportunities for academic research in a low-gravity environment **Titolo** [[electronic resource] /] / edited by George A. Hazelrigg, Joseph M. Reynolds New York, N.Y., : American Institute of Aeronautics and Astronautics, Pubbl/distr/stampa Inc., c1986 **ISBN** 1-60086-582-8 1-60086-363-9 Descrizione fisica 1 online resource (333 p.) Collana Progress in astronautics and aeronautics; ; v. 108 Altri autori (Persone) HazelriggGeorge A ReynoldsJoseph M Disciplina 629.1 s 500.5 Soggetti Science - Experiments **Engineering - Experiments** Space environment - Research Research in reduced gravity environments Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Based on papers presented at a workshop held in Washington, D.C., July 10-11, 1985, sponsored by the National Science Foundation. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; Nota di contenuto ""Chapter 1 Facilities and Programs for Research""; ""Chapter 2A Very High Resolution Phase Transition Experiments at Low Temperatures in Low Gravity""; ""Chapter 2B Low-Gravity Experiments In Critical Phenomena""; ""Chapter 2C Comments on Critical Phenomena""; ""Chapter 3A Gravity, Microgravity, and the Approach to Picogravity""; ""Chapter 3B Comments on Gravitation""; ""Chapter 4A Opportunity for Academic Research in a Low-Gravity Environment: Crystal Growth""; ""Chapter 4B Comments on Crystal Growth"" ""Chapter 5A Opportunities for Metals and Alloys Research in a Low-Gravity Environment"""Chapter 5B Comments on Metals and Alloys": ""Chapter 6A Research on Containerless Melts in Space""; ""Chapter 6B Comments on Containerless Processing""; ""Chapter 7A Combustion Studies In Low Gravity""; ""Chapter 7B Comments on Combustion"";

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