

1. Record Nr.	UNINA9911092012303321
Titolo	Opportunities for academic research in a low-gravity environment / / edited by George A. Hazelrigg, Joseph M. Reynolds
Pubbl/distr/stampa	New York, N.Y., : American Institute of Aeronautics and Astronautics, Inc., c1986
ISBN	1-60086-582-8 1-60086-363-9
Edizione	[1st ed.]
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
Formato	Materiale a stampa
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.
Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; ""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""; ""Chapter 8A Fluid Mechanics and Fluid Physics in a Low-Gravity

Environment""; ""Chapter 8B Electrodynamic Buoyancy Flows as Models
of Planetary and Stellar Circulations. ""; ""Chapter 8C Comments on
Fluid Dynamics""; ""Appendix A. Acronyms and Abbreviations""
""Appendix B. Microgravity Science and Applications: Experiment
Apparatus""""Author Index""
