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Autore	Gilbert Michael G.
Titolo	STS-74/MIR photogrammetric appendage structural dynamics experiment / / Michael G. Gilbert, Sharon S. Welch
Pubbl/distr/stampa	Hampton, Virginia : , : National Aeronautics and Space Administration, Langley Research Center, , April 1996
Descrizione fisica	1 online resource (11 pages) : illustrations
Collana	NASA technical memorandum ; ; 110249
Soggetti	Mir space station Space Shuttle missions Space transportation system Appendages Avionics Dynamic structural analysis Photogrammetry Video tape recorders Video signals Video data
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed June 21, 2016). "April 1996." "Performing organization: NASA Langley Research Center, Hampton, VA"--Report documentation page.
Nota di bibliografia	Includes bibliographical references (pages 7-8).

2. Record Nr. UNINA9910961600803321

Autore	Blank V. D.
Titolo	Phase transitions in solids under high pressure / / V.D. Blank and E.I. Estrin
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , [2014] ©2014
ISBN	1-04-018968-7 0-429-07376-3 1-4665-9425-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (451 p.)
Disciplina	530.4/14
Soggetti	Phase transformations (Statistical physics)
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.
Nota di contenuto	Front Cover; Contents; Preface; Introduction: Phase equilibria and kinetics of phase transformations at high pressure; Chapter 1: Equipment and methods for the study of phase transformations in solidsat high pressures; Chapter 2: Phase transformations of carbon and boron nitride at high pressure and deformation under pressure; Chapter 3: Phase transitions in Si and Ge at high pressure and deformation under pressure; Chapter 4: Polymorphic -w transformation in titanium, zirconium and zirconium-titanium alloys; Chapter 5: Phase transformations in iron and its alloys at high pressure Chapter 6: Phase transformations in gallium and ceriumChapter 7: On the possible polymorphic transformations in transition metals under pressure; Chapter 8: Pressure-induced polymorphic transformations in AIBVII compounds; Chapter 9: Phase transformations in AIIBVIand AIIIBV semiconductor compounds; Chapter 10: Effect of pressure on the kinetics of phase transformations in iron alloys; Chapter 11: Transformations during deformation at high pressure; Chapter 12: Effects due to phase transformations at high pressure Chapter 13: Kinetics and hysteresis in high-temperature polymorphic transformations under pressureChapter 14: Hysteresis and kinetics of low-temperature polymorphic transformations under pressure; Chapter 15: Kinetics of phase transformations under pressure and synthesis of

	high-pressure phases; Conclusion; Back Cover
Sommario/riassunto	The use of high-pressure techniques has become popular for studying the nature of substances and phenomena occurring in them, especially as a means of obtaining new materials (synthesis under high pressure) and processing known materials (hydroextrusion). A product of many years of research by the authors and their colleagues, Phase Transitions in Solids under High Pressure discusses the relationships of phase transformations in solids under high pressure, the mechanism of these transformations, crystal geometry, the effect of deformation, the conditions of formation, and preservation of the h