1. Record Nr. UNISALENTO991001357349707536

Titolo	Affreschi italiani del Rinascimento : Il primo Quattrocento / fotografie di Antonio Quattrone
Pubbl/distr/stampa	Modena : Panini, c1998
ISBN	8876869301
Descrizione fisica	462 p. : ill. ; 33 cm
Altri autori (Persone)	Quattrone, Steffi
Disciplina	759.03
Soggetti	Pittura - Italia Rinascimento - Italia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910964728603321

Autore	Bevans Jerry T
Titolo	Thermophysics : Applications to Thermal Design of Spacecraft
Pubbl/distr/stampa	Reston, : American Institute of Aeronautics and Astronautics, 2000
ISBN	1-60086-497-X 1-60086-278-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (599 p.)
Collana	Progress in astronautics and aeronautics Thermophysics
Disciplina	629.47/1
Soggetti	Materials -- Thermal properties -- Congresses Space vehicles -- Thermodynamics -- Congresses Space vehicles - Thermodynamics - Congresses Materials - Thermal properties Mechanical Engineering Engineering & Applied Sciences Aeronautics Engineering & Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Note generali	Description based upon print version of record.
Nota di contenuto	""Cover ""; ""Title ""; ""Copyright ""; ""Preface ""; ""The Thermophysics Committee of the American Institute of Aeronautics and Astronautics""; ""Editorial Committee for Volume 23""; ""Table of Contents ""; ""I. Experimental Thermophysical Properties""; ""Conduction""; ""Thermal Isolation with Low-Conductance Interstitial Materials under Compressive Loads ""; ""Thermal Contact Resistance Measurements at Ambient Pressures of One Atmosphere to 3 X 10 ~12 mm Hg and Comparison with Theoretical Predictions "" ""Column Method of Measuring Thermal Conductivity of Gases: Results on Carbon Monoxide and Oxygen """"Radiation""; ""Portable Reflectometer ""; ""Investigation of a Model for Bidirectional Reflectance of Rough Surfaces ""; ""Solar Absorptance and Hemispherical Emittance of Various Metals at Space Conditions ""; ""Combined Radiation, Convection, and/or Conduction""; ""A Study of Heat-Transfer Processes in Multilayer Insulations ""; ""Opacified Fibrous Insulations ""; ""Techniques for Improving the Thermal Performance of Low-Density Fibrous Insulation ""; ""Phase Change"" ""Microscopic Observation of Interfacial Phenomena """"Space Environmental Effects upon Radiation Properties""; ""Radiation-Induced Absorption Bands in Spacecraft Thermal Control Coating Pigments ""; ""Electron Energy Dependance for In-Vacuum Degradation and Recovery in Thermal Control Surfaces ""; ""Results from the ATS-3 Reflectometer Experiment ""; ""II. Analytical Predictions Of Thermophysical Properties""; ""Radiation from a Bounded Medium""; ""Distribution of Solar Energy Reflected from Earth by a Scattering Atmosphere "" ""Radiative Equilibrium of a Gray Medium Bounded by Nonisothermal Walls """"Directional Emittance from Emitting, Absorbing, and Scattering Media ""; ""Surface Radiation Properties""; ""Apparent Radiation Properties of a Rough Surface ""; ""Effect of Thin Surface Films on the Radiative Properties of Metal Surfaces ""; ""III. Thermal Design Of Spacecraft Systems""; ""Thermal Design Techniques""; ""Distributed Parameter Space Radiator Dynamic Analysis ""; ""An ATS-E Solar Cell Space Radiator Utilizing Heat Pipes ""; ""Two-Component Heat Pipes "" ""Scale Modeling of a Multilayer Insulated Spacecraft for Use in a Preliminary Design Study """"Parametric Thermal Control Requirements for Future Manned Spacecraft ""; ""Planetary Landers""; ""Thermal Considerations of a Landed Vehicle on the Surface of Mars ""; ""Mars Lander Thermal Control System Parametric Studies ""; ""Thermal Design, Analysis, and Testing of a Full-Size Planetary Lander Model ""; ""Index of Contributors ""
Sommario/riassunto	This book indicates some of the most important directions that thermophysics will be taking in the next ten years. In particular, it focuses on the development of more efficient, more durable thermal designs and materials for longer and more expensive space flights. Some of the topics the book discusses are: comparison of contact thermal resistance theory and experiments, the combination of optics and engineering in thermophysics, super-insulation crystal growth during melting and freezing, physical parameters affecting radiation property degradation, under simulated space conditions, radiation from a gaseous medium, theoretical predictions of surface effects upon radiative properties, heat pipes, and design of a Mars planetary lander.