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""Microscopic Observation of Interfacial Phenomena """"Space  
 Environmental Effects upon Radiation Properties""; ""Radiation-Induced  
 Absorption Bands in Spacecraft Thermal Control Coating Pigments "";  
 ""Electron Energy Dependence 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.

2. Record Nr.	UNINA9910971613303321
Autore	Robinson G. M (Guy M.)
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corporate retailers; 4.3 The alternative food economy; 4.3.1 The nature of the alternative food economy; 4.3.2 Local connections and identities; 4.4 Conclusion; 5. Government and agriculture in the Developed World; 5.1 The goals of agricultural policy; 5.2 The Common Agricultural Policy of the European Union; 5.2.1 Overview; 5.2.2 Increased production; 5.2.3 Environmental disbenefits; 5.3 Reforming the Common Agricultural Policy; 5.3.1 The American experience of set-aside  
5.3.2 Regulation 1094/88: voluntary set-aside in the European Union  
5.3.3 The Arable Area Payments Scheme; 5.3.4 Milk quotas; 5.3.5 Agenda 2000; 5.4 Agriculture and the expansion of the European Union; 5.4.1 Land reforms in the Central and East Europe Countries; 5.4.2 Land reforms in Poland; 5.4.3 Land reforms in Hungary; 5.5 Macro-level change; 5.5.1 Challenges to traditional farmer-state relations; 5.5.2 Coloured boxes and multifunctionality; 5.5.3 Some comparisons with US policy; 6. Specialisation and diversification; 6.1 Specialisation; 6.1.1 Crop production; 6.1.2 Livestock production  
6.2 The survival of family farming  
6.2.1 The agrarian question revisited; 6.2.2 The decline of the farm workforce; 6.3 Farm diversification and pluriactivity; 6.3.1 Defining farm diversification; 6.3.2 Motives for and impacts of diversification; 6.3.3 The role of women in farm diversification; 6.3.4 Diversification into farm-based tourism and recreation; 6.4 Conclusion; 7. The 'other side' of globalisation: farming in Developing Countries; 7.1 Differential impacts of globalisation; 7.2 The dual economy; 7.3 The 'advancing wave' of commercialisation; 7.3.1 The retreat of subsistence production  
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