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| Nota di contenuto | Chapter1 Research Process of the surface modeling method -- Chapter 2 Modern method of high accuracy surface modeling -- Chapter 3 Sensitivity analysis of HASM -- Chapter 4 Effect of sampling information on HASM -- Chapter 5 Efficient computation methods for HASM -- Chapter 6 Different implementations of HASM in simulating climate variables. |
| Sommario/riassunto | This book focuses on the robustness analysis of high accuracy surface modeling method (HASM) to yield good performance of it. Understanding the sensitivity and uncertainty is important in model applications. The book aims to advance an integral framework for assessing model error that can demonstrate robustness across sets of possible controls, variable definitions, standard error, algorithm structure, and functional forms. It is an essential reference to the most promising numerical models. In areas where there is less certainty about models, but also high expectations of transparency, robustness analysis should aspire to be as broad as possible. This book also contains a chapter at the end featuring applications in climate simulation illustrating different implementations of HASM in surface modeling. The book is helpful for people involved in geographical information science, ecological informatics, geography, earth observation, and planetary surface modeling. |