1.	Record Nr.	UNISALENTO991000061879707536
	Autore	Reid, Thomas
	Titolo	Ricerca sulla mente umana : e altri scritti / Thomas Reid ; a cura di Antonio Santucci
	Pubbl/distr/stampa	Torino : UTET, 1975
	Descrizione fisica	785 p. ; 23 cm.
	Collana	Classici della Filosofia / UTET
		Classici della Filosofia [UTET]
	Altri autori (Persone)	Santucci, Antonio
	Soggetti	INTELLETTO
		Mente
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

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Titolo	Mathematical Paradigms of Climate Science / / edited by Fabio Ancona, Piermarco Cannarsa, Christopher Jones, Alessandro Portaluri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
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Soggetti	Mathematical physics System theory Control theory Physical geography Environmental sciences Physics Nonlinear Optics Mathematical Physics Systems Theory, Control Earth System Sciences Environmental Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1 Christof Meile and Chris K. R. T. Jones: A mathematical perspective on microbial processes in Earth's biogeochemical cycles -- 2 Fatiha Alabau-Boussouira, Piermarco Cannarsa and Masahiro Yamamoto: Source reconstruction by partial measurements for a class of hyperbolic systems in cascade -- 3 Didier Auroux, Jacques Blum and Giovanni Ruggiero: Data assimilation for geophysical fluids: the diffusive back and forth nudging -- 4 Alberto Carrassi and Stéphane Vannitsem: Deterministic treatment of model error in geophysical data assimilation -- 5 Franco Flandoli: Remarks on stochastic Navier-Stokes equations -- 6 Jan Gairing, Michael Högele, Tetiana Kosenkova and Alexei Kulik: On the calibration of Lévy driven time series with coupling distances and an application in paleoclimate -- 7 Damon McDougall and Chris K.

R. T. Jone:, Decreasing flow uncertainty in Bayesian inverse problems through Lagrangian drifter control -- 8 Takahito Mitsui and Michel Crucifix: Effects of additive noise on the stability of glacial cycles -- 9 Francesco Paparella: Turbulence, Horizontal Convection, and the Ocean's Meridional Overturning Circulation -- 10 Alessio Porretta and Enrique Zuazua: Remarks on long time versus steady state optimal control.

Sommario/riassunto	This book, featuring a truly interdisciplinary approach, provides an overview of cutting-edge mathematical theories and techniques that promise to play a central role in climate science. It brings together some of the most interesting overview lectures given by the invited speakers at an important workshop held in Rome in 2013 as a part of MPE2013 ("Mathematics of Planet Earth 2013"). The aim of the workshop was to foster the interaction between climate scientists and mathematicians active in various fields linked to climate sciences, such as dynamical systems, partial differential equations, control theory, stochastic systems, and numerical analysis. Mathematics and statistics already play a central role in this area. Likewise, computer science must have a say in the efforts to simulate the Earth's environment on the unprecedented scale of petabytes. In the context of such complexity, new mathematical tools are needed to organize and simplify the approach. The growing importance of data assimilation techniques for climate modeling is amply illustrated in this volume, which also identifies important future challenges. This timely work is mainly addressed to any researcher active in climate science to learn more on qualitative and quantitative methods recently developed for their discipline as well as mathematicians with a strong interest in environmental science. It may also be useful to PhD students in applied mathematics to find excellent research subjects for their thesis.