1. Record Nr. UNINA9910784346503321

Autore	Wunsch Carl
Titolo	Discrete inverse and state estimation problems : with geophysical fluid applications / / Carl Wunsch [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2006
ISBN	1-107-16577-6 1-280-48007-6 0-511-22063-4 0-511-22124-X 0-511-21927-X 0-511-53594-5 0-511-31695-X 0-511-21995-4
Descrizione fisica	1 online resource (xi, 371 pages) : digital, PDF file(s)
Disciplina	551.4601519287
Soggetti	Oceanography - Mathematical models Estimation theory Geophysics - Fluid models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamental machinery -- Basic machinery -- Extensions of methods -- The time-dependent inverse problem : state estimation -- Time-dependent methods 2 -- Applications to steady problems -- Applications to time-dependent fluid problems.
Sommario/riassunto	The problems of making inferences about the natural world from noisy observations and imperfect theories occur in almost all scientific disciplines. This 2006 book addresses these problems using examples taken from geophysical fluid dynamics. It focuses on discrete formulations, both static and time-varying, known variously as inverse, state estimation or data assimilation problems. Starting with fundamental algebraic and statistical ideas, the book guides the reader through a range of inference tools including the singular value decomposition, Gauss-Markov and minimum variance estimates,

	Kalman filters and related smoothers, and adjoint (Lagrange multiplier) methods. The final chapters discuss a variety of practical applications to geophysical flow problems. Discrete Inverse and State Estimation Problems is an ideal introduction to the topic for graduate students and researchers in oceanography, meteorology, climate dynamics, and geophysical fluid dynamics. It is also accessible to a wider scientific audience; the only prerequisite is an understanding of linear algebra.

2.

Record Nr.	UNINA9910957767403321
Autore	MacDonald Janet <1950->
Titolo	Blended learning and online tutoring : a good practice guide / / Janet MacDonald
Pubbl/distr/stampa	Aldershot, England ; ; Burlington, VT, : Gower, c2008
ISBN	1-351-95521-7 1-315-26149-9 9786611241315 1-281-24131-8 0-7546-9251-5 0-566-08841-X
Edizione	[2nd ed.]
Descrizione fisica	xiv, 203 p
Disciplina	371.3
Soggetti	Blended learning Education, Higher - Computer-assisted instruction Internet in higher education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Gower Book"--cover. First published 2008 by Gower Publishing.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. Approaches to blended learning -- pt. II. Online tutoring -- pt. III. Developing independent learners : activity design.
Sommario/riassunto	Blended learning provides the flexibility to accommodate the varied requirements of pedagogies, disciplines and levels of course, together with the needs of a wide variety of learners. However, anyone concerned with the integration of online tutoring to support students

appropriately may need to reassess current practice. This book adopts a pragmatic and common-sense approach to blended learning by situating the use of online media within a well-grounded teaching and learning strategy. It provides practical ideas for the successful implementation of blended strategies, including good practice in both asynchronous and synchronous tutoring, appropriate assessment design for developing successful blended learners, and innovative approaches to professional development for distance tutors. It is illustrated with a wide variety of examples and comments from students and practitioners in both distance and campus-based environments in 13 different countries. Since the first edition was published in 2006, there has been great interest in Web 2.0 technologies and their potential for use in an educational environment. This second edition has therefore incorporated many new examples of good practice, making use of a combination of tried and tested tools as well as blogs and wikis for supporting students. There has also been a recent rise in the use of activity-based learning and interest in its potential for supporting students in distance and online environments. The new edition incorporates many new exemplars of learning activity design in Part Three, to illustrate approaches to the development of critical, independent learners.