

1. Record Nr.	UNINA9910783922803321
Titolo	Hilbert-Huang transform and its applications [[electronic resource]] / editors, Norden E. Huang, Samuel S.P. Shen
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ ; ; London, : World Scientific, c2005
ISBN	1-281-89927-5 9786611899271 981-270-334-9
Descrizione fisica	1 online resource (324 p.)
Collana	Interdisciplinary mathematical sciences ; ; v. 5
Altri autori (Persone)	HuangN. E <1937-> (Norden Eh) ShenSamuel S
Disciplina	515/.723
Soggetti	Hilbert-Huang transform Decomposition (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; CONTENTS; 1 Introduction to the Hilbert-Huang Transform and Its Related Mathematical Problems Norden E . Huang; 2 B-Spline Based Empirical Mode Decomposition Sherman Riemenschneider, Bao Liu, Yuesheng Xu and Norden E . Huang; 3 EMD Equivalent Filter Banks, from Interpretation to Applications Patrick Flandrin, Paulo Goncalves and Gabriel Rilling; 4 HHT Sifting and Filtering Reginald N . Meeson; 5 Statistical Significance Test of Intrinsic Mode Functions Zhaohua Wu and Norden E . Huang; 6 The Application of Hilbert-Huang Transforms to Meteorological Datasets Dean G . Duffy 7 Empirical Mode Decomposition and Climate Variability Katie Coughlin and Ka Kit Tung8 EMD Correction of Orbital Drift Artifacts in Satellite Data Stream Jorge E . Pinzdon, Molly E . Brown and Compton J . Tucker; 9 HHT Analysis of the Nonlinear and Non-Stationary Annual Cycle of Daily Surface Air Temperature Data Samuel S . P . Shen, Tingting Shu, Norden E . Huang, Zhaohua Wu, Gerald R . North, Thomas R . Karl; 10 Hilbert Spectra of Nonlinear Ocean Waves Paul A . Hwang, Norden E . Huang, David W . Wang, and Jame M . Kaihatu 11 EMD and Instantaneous Phase Detection of Structural Damage Liming W . Salvino. Darryll J . Pine, Michael Todd and Jonathan M .

Nichols12 HHT-Based Bridge Structural Health-Monitoring Method
Norden E . Huang, Kang Huang and Wei-Ling Chiang; 13 Applications
of HHT in Image Analysis Steven R . Long; Index

Sommario/riassunto

The Hilbert-Huang Transform (HHT) represents a desperate attempt to break the suffocating hold on the field of data analysis by the twin assumptions of linearity and stationarity. Unlike spectrograms, wavelet analysis, or the Wigner-Ville Distribution, HHT is truly a time-frequency analysis, but it does not require an a priori functional basis and, therefore, the convolution computation of frequency. The method provides a magnifying glass to examine the data, and also offers a different view of data from nonlinear processes, with the results no longer shackled by spurious harmonics - the artif

2. **Record Nr.**

UNIORUON00078814

Titolo

L'interculturel : reflexion pluridisciplinaire

Pubbl/distr/stampa

Paris, : Harmattan, c1995

ISBN

27-384-3253-0

Descrizione fisica

217 p. ; 22 cm

Classificazione

MAG840.9

Soggetti

CULTURA - Relazioni interareali
LETTERATURA MAGREBINA FRANCOFONA - Storia e critica

Lingua di pubblicazione

Francese

Formato

Materiale a stampa

Livello bibliografico

Monografia