1. Record Nr. UNISA996335853603316

Titolo	Background notes
Pubbl/distr/stampa	[Washington, D.C.], : [U.S. Dept. of State, Bureau of Public Affairs, Office of Public Communications]
ISSN	1942-3187
Descrizione fisica	1 online resource (volumes)
Disciplina	910.5
Soggetti	Geography Area studies Diplomatic relations Periodicals. United States Foreign relations United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Sommario/riassunto	"These publications include facts about the land, people, history, government, political conditions, economy, and foreign relations of independent states, some dependencies, and areas of special sovereignty. The Background Notes are updated/revised by the Office of Electronic Information and Publications of the Bureau of Public Affairs as they are received from the Department's regional bureaus and are added to the database of the Department of State website ..."

2. Record Nr. UNINA9911019786603321

Autore	Pandey J. N
Titolo	The Hilbert transform of Schwartz distributions and applications / / J.N. Pandey
Pubbl/distr/stampa	New York, : John Wiley, c1996
ISBN	9786613306180 9781283306188 1283306182 9781118032510 1118032519 9781118030752 1118030753
Descrizione fisica	1 online resource (284 p.)
Collana	Pure and applied mathematics
Disciplina	515/.782
Soggetti	Hilbert transform Schwartz distributions
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 (p. 249-253) and indexes.
Nota di contenuto	The Hilbert Transform of Schwartz Distributions and Applications; CONTENTS; Preface; 1. Some Background; 1.1. Fourier Transforms and the Theory of Distributions; 1.2. Fourier Transforms of L2 Functions; 1.2.1. Fourier Transforms of Some Well-known Functions; 1.3. Convolution of Functions; 1.3.1. Differentiation of the Fourier Transform; 1.4. Theory of Distributions; 1.4.1. Topological Vector Spaces; 1.4.2. Locally Convex Spaces; 1.4.3. Schwartz Testing Function Space: Its Topology and Distributions; 1.4.4. The Calculus of Distribution; 1.4.5. Distributional Differentiation 1.5. Primitive of Distributions1.6. Characterization of Distributions of Compact Supports; 1.7. Convolution of Distributions; 1.8. The Direct Product of Distributions; 1.9. The Convolution of Functions; 1.10. Regularization of Distributions; 1.11. The Continuity of the Convolution Process; 1.12. Fourier Transforms and Tempered Distributions; 1.12.1. The Testing Function Space S(Rn); 1.13. The Space of Distributions of Slow Growth S'(Rn); 1.14. A Boundedness Property of Distributions of

Slow Growth and Its Structure Formula; 1.15. A Characterization Formula for Tempered Distributions
1.16. Fourier Transform of Tempered Distributions1.17. Fourier Transform of Distributions in D'(Rn); Exercises; 2. The Riemann-Hilbert Problem; 2.1. Some Corollaries on Cauchy Integrals; 2.2. Riemann's Problem; 2.2.1. The Hilbert Problem; 2.2.2. Riemann-Hilbert Problem; 2.3. Carleman's Approach to Solving the Riemann-Hilbert Problem; 2.4. The Hilbert Inversion Formula for Periodic Functions; 2.5. The Hilbert Transform on the Real Line; 2.6. Finite Hilbert Transform as Applied to Aerofoil Theories; 2.7. The Riemann-Hilbert Problem Applied to Crack Problems
4.5. The Intrinsic Definition of the Space H(D)

Sommario/riassunto

This book provides a modern and up-to-date treatment of the Hilbert transform of distributions and the space of periodic distributions. Taking a simple and effective approach to a complex subject, this volume is a first-rate textbook at the graduate level as well as an extremely useful reference for mathematicians, applied scientists, and engineers.The author, a leading authority in the field, shares with the reader many new results from his exhaustive research on the Hilbert transform of Schwartz distributions. He describes in detail how to use the Hilbert transform to solve theoretic