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Titolo	Advanced Topics in Shannon Sampling and Interpolation Theory [[electronic resource] /] / edited by Robert J. Marks
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Disciplina	621.3
Soggetti	Electrical engineering Computers Chemometrics Computational intelligence Electrical Engineering Models and Principles Math. Applications in Chemistry Computational Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
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## Sommario/riassunto

Advanced Topics in Shannon Sampling and Interpolation Theory is the second volume of a textbook on signal analysis solely devoted to the topic of sampling and restoration of continuous time signals and images. Sampling and reconstruction are fundamental problems in any field that deals with real-time signals or images, including communication engineering, image processing, seismology, speech recognition, and digital signal processing. This second volume includes contributions from leading researchers in the field on such topics as Gabor's signal expansion, sampling in optical image formation, linear prediction theory, polar and spiral sampling theory, interpolation from nonuniform samples, an extension of Papoulis's generalized sampling expansion to higher dimensions, and applications of sampling theory to optics and to time-frequency representations. The exhaustive bibliography on Shannon sampling theory will make this an invaluable research tool as well as an excellent text for students planning further research in the field.

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2. Record Nr.	UNINA9910960839303321
Titolo	The airliner cabin environment : air quality and safety / / Committee on Airliner Cabin Air Quality, Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1986
ISBN	9786610221837 9781280221835 1280221836 9780309542593 0309542596 9780585142913 0585142912
Edizione	[1st ed.]
Descrizione fisica	1 online resource (319 p.)
Disciplina	363.7/293
Soggetti	Aircraft cabins - Health aspects Indoor air pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographies.
Nota di contenuto	The Airliner Cabin Environment -- Copyright -- Preface -- Acknowledgments -- Contents -- Executive Summary -- CABIN AIR QUALITY -- Carbon Dioxide -- Humidity -- Ozone -- Environmental Tobacco Smoke -- Aerosols -- Cabin Environment -- EMERGENCY SITUATIONS AND PROCEDURES -- WORLDWIDE AIRLINE REGULATIONS -- FEASIBILITY OF DATA COLLECTION -- Introduction -- STRUCTURE OF REPORT -- PROBLEMS IN STUDYING AIRLINER CABIN AIR QUALITY -- PROBLEMS IN STUDYING THE HEALTH EFFECTS ASSOCIATED WITH AIRLINER CABIN AIR QUALITY -- REFERENCES -- 1 Profile of Commercial Air Travel -- PASSENGERS -- FLIGHT ATTENDANTS AND FLIGHT CREW -- THE U.S. AIRLINE INDUSTRY -- FAA DATA ON SELECTED INCIDENTS -- REFERENCES -- 2 Environmental Control Systems on Commercial Passenger Aircraft -- DESCRIPTION OF ENVIRONMENTAL CONTROL SYSTEMS -- Compressed-Air Sources -- The Environmental Control Unit -- Air Distribution -- Exhaust Systems

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Sommario/riassunto

Each year Americans take more than 300 million plane trips staffed by a total of some 70,000 flight attendants. The health and safety of these individuals are the focus of this volume from the Committee on Airliner Cabin Air Quality.

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