

1. Record Nr.	UNISALENTO991003234519707536
Autore	Fahy, Frank
Titolo	Foundations of engineering acoustics [e-book] / Frank Fahy
Pubbl/distr/stampa	San Diego, Calif. : London : Academic, c2001
ISBN	9780122476655 0122476654
Descrizione fisica	xix, 443 p. : ill. ; 25 cm
Disciplina	620.2
Soggetti	Acoustical engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Sound engineering -- The nature of sound and some sound wave phenomena -- Sound in fluids -- Impedance -- Sound energy and intensity -- Sources of sound -- Sound absorption and sound absorbers -- Sound in waveguides -- Sound in enclosures -- Structure-borne sound -- Transmission of sound through partitions -- Reflection, scattering, diffraction and refraction
Sommario/riassunto	Foundations of Engineering Acoustics takes the reader on a journey from a qualitative introduction to the physical nature of sound, explained in terms of common experience, to mathematical models and analytical results which underlie the techniques applied by the engineering industry to improve the acoustic performance of their products. The book is distinguished by extensive descriptions and explanations of audio-frequency acoustic phenomena and their relevance to engineering, supported by a wealth of diagrams, and by a guide for teachers of tried and tested class demonstrations and laboratory-based experiments. Foundations of Engineering Acoustics is a textbook suitable for both senior undergraduate and postgraduate courses in mechanical, aerospace, marine, and possibly electrical and civil engineering schools at universities. It will be a valuable reference for academic teachers and researchers and will also assist Industrial Acoustic Group staff and Consultants. Comprehensive and up-to-date: broad coverage, many illustrations, questions, elaborated answers,

references and a bibliography Introductory chapter on the importance of sound in technology and the role of the engineering acoustician Deals with the fundamental concepts, principles, theories and forms of mathematical representation, rather than methodology Frequent reference to practical applications and contemporary technology Emphasizes qualitative, physical introductions to each principal as an ente to mathematical analysis for the less theoretically oriented readers and courses Provides a 'cook book' of demonstrations and laboratory-based experiments for teachers Useful for discussing acoustical problems with non-expert clients/managers because the descriptive sections are couched in largely non-technical language and any jargon is explained Draws on the vast pedagogic experience of the writer

2. Record Nr.	UNINA9910895854403321
Titolo	Mapping sciences and remote sensing
Pubbl/distr/stampa	[Silver Spring, Md.] : , : Published by V.H. Winston & Sons in cooperation with American Congress on Surveying and Mapping, American Society of Photogrammetry, American Geophysical Union, , -©2003
ISSN	2331-1762
Disciplina	526 526/.05
Soggetti	Geodesy Cartography Aerial photogrammetry Remote sensing Cartografie Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Translation of papers from Soviet and Eastern European periodicals.

