

1. Record Nr.	UNINA9910451333303321
Autore	Borik Olga
Titolo	Aspect and Reference Time [[electronic resource]]
Pubbl/distr/stampa	Oxford, : Oxford University Press, UK, 2006
ISBN	1-280-87020-6 0-19-151624-4 1-4294-7110-7
Descrizione fisica	1 online resource (239 p.)
Collana	Oxford Studies in Theoretical Linguistics ; ; v.No. 13
Disciplina	415 491.75
Soggetti	Russian language Russian language - Aspect Languages & Literatures Philology & Linguistics Slavic, Baltic and Albanian Languages & Literatures Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Contents; General Preface; Acknowledgements; Abbreviations; 1 Introduction; 2 Main theories of aspect (1): The telicity approach; 3 Perfectivity in Russian in terms of telicity: testing the hypothesis; 4 Main theories of aspect (2): The point of view approach; 5 Reference time; 6 Russian aspect in terms of Reference time; References; Index
Sommario/riassunto	extremely lucid and forceful...This book is exceptionally clear and well written...I wish there were more semantic and syntactic texts of this exceptional clarity and reader-friendliness. - Roumyana Slabakova, Folia Linguistica

2. Record Nr.	UNISA996418440603316
Autore	Garrett Steven L
Titolo	Understanding Acoustics [[electronic resource]] : An Experimentalist's View of Sound and Vibration / / by Steven L. Garrett
Pubbl/distr/stampa	Springer Nature, 2020 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-44787-1
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (XLIII, 783 p. 413 illus., 93 illus. in color.)
Collana	Graduate Texts in Physics, , 1868-4513
Disciplina	534
Soggetti	Acoustics Acoustical engineering Mechanical engineering Engineering Acoustics Mechanical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Comfort for the Computationally Crippled -- Part I -- Vibrations -- Chapter2: The Simple Harmonic Oscillator -- Chapter3: String Theory -- Chapter4: Elasticity of Solids -- Chapter5: Modes of Bars -- Chapter6: Membranes, Plates and Microphones -- Part 2 -- Waves in Fluids -- Chapter7: Ideal Gas Laws -- Chapter8: Nondissipative Lumped Elements -- Chapter8: Nondissipative Lumped Elements -- Chapter9: Dissipative Hydrodynamics -- Chapter10: One-Dimensional Propagation -- Chapter11: Reflection, Transmission, and Refraction -- Chapter12: Radiation and Scattering -- Chapter13: Three-Dimensional Enclosures -- Chapter14: Attenuation of Sound -- Part3: Extensions -- Chapter15: Nonlinear Acoustics.
Sommario/riassunto	This open access textbook, like Rayleigh's classic Theory of Sound, focuses on experiments and on approximation techniques rather than mathematical rigor. The second edition has benefited from comments and corrections provided by many acousticians, in particular those who have used the first edition in undergraduate and graduate courses. For example, phasor notation has been added to clearly distinguish

complex variables, and there is a new section on radiation from an un baffled piston. Drawing on over 40 years of teaching experience at UCLA, the Naval Postgraduate School, and Penn State, the author presents a uniform methodology, based on hydrodynamic fundamentals for analysis of lumped-element systems and wave propagation that can accommodate dissipative mechanisms and geometrically-complex media. Five chapters on vibration and elastic waves highlight modern applications, including viscoelasticity and resonance techniques for measurement of elastic moduli, while introducing analytical techniques and approximation strategies that are revisited in nine subsequent chapters describing all aspects of generation, transmission, scattering, and reception of waves in fluids. Problems integrate multiple concepts, and several include experimental data to provide experience in choosing optimal strategies for extraction of experimental results and their uncertainties. Fundamental physical principles that do not ordinarily appear in other acoustics textbooks, like adiabatic invariance, similitude, the Kramers-Kronig relations, and the equipartition theorem, are shown to provide independent tests of results obtained from numerical solutions, commercial software, and simulations. Thanks to the Veneklasen Research Foundation, this popular textbook is now open access, making the e-book available for free download worldwide. Provides graduate-level treatment of acoustics and vibration suitable for use in courses, for self-study, and as a reference Highlights fundamental physical principles that can provide independent tests of the validity of numerical solutions, commercial software, and computer simulations Demonstrates approximation techniques that greatly simplify the mathematics without a substantial decrease in accuracy Incorporates a hydrodynamic approach to the acoustics of sound in fluids that provides a uniform methodology for analysis of lumped-element systems and wave propagation Emphasizes actual applications as examples of topics explained in the text Includes realistic end-of-chapter problems, some including experimental data, as well as a Solutions Manual for instructors. Features "Talk Like an Acoustician" boxes to highlight key terms introduced in the text.
