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Titolo	Il Servizio bibliotecario nazionale : ipotesi di realizzazione in Lombardia : atti del seminario realizzato in collaborazione con l'Associazione italiana biblioteche, Comitato regionale lombardo, Milano 18-19 novembre 1983 / a cura di Ornella Foglieni
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Altri autori (Persone)	Foglieni, Ornella
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Disciplina	025
Soggetti	Servizio bibliotecario nazionale - Congressi Biblioteche - Cooperazione - Lombardia - Congressi
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
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2. Record Nr.	UNINA9910789201603321
Autore	Kuttruff Heinrich
Titolo	Ultrasonics [[electronic resource]] : Fundamentals and Applications // edited by H. Kuttruff
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 1991
ISBN	94-011-3846-X
Edizione	[1st ed. 1991.]
Descrizione fisica	1 online resource (458 p. 20 illus.)
Disciplina	534.5/5
Soggetti	Materials science Physics Characterization and Evaluation of Materials Physics, general
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.
Nota di contenuto	I Introduction -- I.1 What is ultrasound? -- I.2 A few historical remarks -- I.3 Ultrasound in the living world -- I.4 Upper frequency limit of sound -- II Basic Concepts of Acoustics -- II.1 Sound fields and the physical quantities describing them -- II.2 Sound propagation in gases and liquids -- II.3 Sound waves in solids -- II.4 Reflection and refraction -- II.5 Doppler effect -- III Sound Radiation and Sound Diffraction -- III.1 Signals in time and frequency representation, linear systems -- III.2 The principle of point source synthesis, the moving piston -- III.3 Radiation from a circular piston -- III.4 Piston with non-uniform surface velocity -- III.5 Diffraction and scattering -- IV Generation of Ultrasound—Part I -- IV.1 The piezoelectric effect -- IV.2 Piezoelectric materials -- IV.3 Basic piezoelectric equations, electro-mechanical coupling factor -- IV.4 Dynamic characteristics of piezoelectric transducers operated in their thickness mode -- IV.5 Mechanical and electrical equivalent circuit of a piezoelectric transducer near its resonance -- IV.6 Practical design of piezoelectric ultrasound generators -- V Generation of Ultrasound—Part II -- V.1 Composite piezoelectric transducers -- V.2 Piezoelectric bending transducers -- V.3 Generation of high frequency ultrasound -- V.4 Concentration of ultrasound by focusing -- V.5 Generation of high vibrational amplitudes -- V.6 Generation of shear waves and Rayleigh waves -- V.

7 Magnetostrictive generation of ultrasound -- V.8 Electrostatic ultrasound generators -- V.9 Mechanical methods -- VI Detection and Measurement of Ultrasound -- VI.1 Detection of ultrasound with extended piezo transducers, reciprocity -- VI.2 Electrostatic receivers -- VI.3 Ultrasound microphones, calibration -- VI.4 Mechanical detection -- VI.5 Thermal ultrasound detectors -- VI.6 Diffraction of light by ultrasound waves -- VI.7 Visualization of ultrasound -- VII Generation and Detection of Sound with Frequencies above 1 GHz (Hypersound) -- VII.1 Coherent methods for the generation and detection of hypersound -- VII.2 Phonons (sound quanta) in solids -- VII.3 Quantum acoustical interpretation of some effects of ultrasound -- VII.4 Generation of hypersound with heat pulses -- VII.5 Detection of hypersound with superconducting bolometers -- VII.6 Generation and detection of incoherent hypersound with superconducting tunnel contacts -- VII.7 Detection of 'natural' hypersound -- VIII Absorption of Ultrasound -- VIII. 1 Classical sound absorption in gases and liquids -- VIII.2 Molecular sound absorption in gases -- VIII.3 Sound absorption in liquids -- VIII.4 Sound absorption in solids -- VIII.5 Experimental methods for the determination of sound velocity and attenuation in the ultrasonic range -- IX Applications in Signal Processing and Measuring Techniques -- IX. 1 Ultrasonic delay lines -- IX.2 Rayleigh wave filters -- IX.3 Light modulation and light deflection -- IX.4 Other small-signal applications -- X Non-destructive Testing of Materials -- X.1 Survey of various testing methods -- X.2 Impulse echo method -- X.3 Frequencies and wave types -- X.4 Transducers for flaw detection -- X.5 Types of display -- X.6 Suitability of materials for testing -- X.7 Practical examples of ultrasonic flaw detection -- XI Application of Ultrasound in Medical Diagnostics -- XI.1 Acoustic properties of biological tissue -- XI.2 Impulse echo method -- XI.3 Typical applications of the impulse echo method in sonography -- XI.4 Doppler sonography -- XII Special Methods of Ultrasonic Imaging -- XII.1 Ultrasonic microscopy -- XII.2 Acoustic holography -- XII.3 Ultrasonic tomography -- XIII Cavitation -- XIII.1 Basic types of sonically induced cavitation -- XIII.2 Dynamics of a single cavity -- XIII.3 Cavitation nuclei and cavitation thresholds -- XIII.4 Real cavitation and some effects caused by it -- XIV Applications of High Intensity Ultrasound -- XIV.1 Ultrasonic cleaning -- XIV.2 Joining with ultrasound -- XIV.3 Machining -- XIV.4 Production of dispersions -- XIV.5 Further applications -- XIV.6 Medical therapy -- XV On the Possibility of Health Risks Caused by Ultrasound -- XV.1 Damage to tissue caused by diagnostic ultrasound -- XV.2 Damage caused by airborne ultrasound -- Notation.

Sommario/riassunto

This book is a translation of 'Physik und Technik des Ultraschalls', originally published in 1988 by S. Hirzel Verlag, Stuttgart. As in the German edition, it is based on lectures on ultrasound which the author has given over the past fifteen years to students of electrical engineering and physics at the Rheinisch-Westfälische Technische Hochschule Aachen, Germany. Its purpose is to explain and describe the peculiarities of high frequency sound with general acoustics as a foundation. It is these peculiarities which have led to the development of specific methods of sound generation and sound detection on the one hand and are relevant to the way ultrasound propagates in various materials, and which are the origin of a wide range of technical applications on the other. The first part of the book is devoted to the fundamentals of ultrasonics. Since the reader is not expected to have a knowledge of general acoustics, introductory chapters survey the basic ideas and laws of acoustics without systematically deriving the formulae presented. Likewise, the third chapter, which deals with the

radiation and diffraction of sound, is still fairly general, although it is somewhat more adapted to the specific requirements of ultrasound. In the three subsequent chapters, the generation and detection or measurement of ultrasound is dealt with. The seventh chapter is a digression on the peculiarities of the hypersonic range.

3. Record Nr.	UNINA9910787076103321
Autore	Elsen Hilke
Titolo	Grundzüge der Morphologie des Deutschen // Hilke Elsen
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-037363-7 3-11-036930-3
Edizione	[2., aktualisierte Auflage.]
Descrizione fisica	1 online resource (350 p.)
Collana	De Gruyter Studium
Disciplina	435
Soggetti	German language - Morphology - Study and teaching
Lingua di pubblicazione	Tedesco
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	Frontmatter -- Vorwort -- Vorwort zur zweiten Auflage -- Inhalt -- Tabellenübersicht -- Schreibkonventionen -- Abkürzungen -- Zeichenerklärung -- Einleitung -- Einführung -- 1. Einführung I -- 2. Einführung II -- NOMEN -- 3. Nomen - Flexion -- 4. Nomen - Wortbildung I -- 5. Nomen - Wortbildung II -- 6. Nomen - Wortbildung III -- ADJEKTIV -- 7. Adjektiv - Flexion -- 8. Adjektiv - Wortbildung I -- 9. Adjektiv - Wortbildung II -- 10. Verb - Flexion -- 11. Verb - Wortbildung I -- 12. Verb - Wortbildung II -- ADVERB UND ARTIKEL -- 13. Adverb und Artikel -- ANDERE WORTARTEN -- 14. Andere Wortarten -- Lösungsvorschläge -- Glossar -- Literatur -- Sachregister
Sommario/riassunto	Dieses Lehrbuch zu Flexion und Wortbildung des Deutschen orientiert sich gezielt an den Studiengängen Bachelor und Master mit jeweils getrennten Kapiteln für Anfänger und Fortgeschrittene. Der Stoff ist in Module strukturiert, die den Band zusammen mit dem Glossar außerdem zu einem Nachschlagewerk zur Prüfungsvorbereitung

machen. Das Buch stellt die etablierte Fachterminologie vor und behandelt morphologische Einheiten, formelle und semantische Strukturen und Verfahren der Analyse mit seltenen und unproduktiven Wortbildungsarten. Dabei findet auch die Fremdwortbildung Berücksichtigung sowie diachrone Entwicklungen und die Wortbildung der Präpositionen, Konjunktionen und Pronomen. Anhand von zahlreichen Beispielen werden die systematischen syntaktischen, semantischen, morphologischen und phonologischen Zusammenhänge deutlich, die im Verlaufe der Sprachentwicklung und beim Gebrauch der Wörter zum aktuellen Stand der Wortstrukturen führten. Problemorientierte Diskussionen, Musterlösungen, Übungsaufgaben sowie Literaturhinweise zur Vertiefung unterstützen ein selbständiges Bearbeiten des Stoffes. Das erfolgreiche Einführungswerk liegt nun in einer aktualisierten Neuauflage vor.
