1. Record Nr. UNINA9910716820503321

Autore	Eckhardt David A.
Titolo	Pesticides and their metabolites in community water-supply wells of central and western New York, August 1999 / / by David A.V. Eckhardt [and three others] ; prepared in cooperation with the New York State Department of Environmental Conservation
Pubbl/distr/stampa	Ithaca, New York : , : U.S. Geological Survey, Department of the Interior, , 2001
Descrizione fisica	1 online resource (12 pages) : color illustrations, color map
Collana	WRIR ; ; 00-4128
Soggetti	Pesticides - Environmental aspects - New York (State) Water - Pesticide content - New York (State) Water - Pollution - New York (State) Water quality - New York (State) Metabolites - Environmental aspects - New York (State) Metabolites - Environmental aspects Pesticides - Environmental aspects Water - Pesticide content Water - Pollution New York (State)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"April 2001."
Nota di bibliografia	Includes bibliographical references (page 12).

2. Record Nr. UNINA9910791732503321

Autore	Mak Geertje
Titolo	Doubting sex [[electronic resource]] : inscriptions, bodies and selves in nineteenth-century hermaphrodite case histories / / Geertje Mak
Pubbl/distr/stampa	Manchester ; ; New York, : Manchester University Press, 2012
ISBN	1-84779-469-6 1-78170-262-4 1-84779-429-7
Descrizione fisica	1 online resource (297 p.)
Disciplina	616.694
Soggetti	Intersexuality - History Gender identity - History Sex role - History
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 and index.
Nota di contenuto	Introduction -- Inscription. Secrecy and disclosure: politics of containment -- Early sex reassignments and the absence of a sex of self -- Herculine Barbin -- Body. How to get the semen to the neck of the womb -- Justine Jumas: conflicting body politics -- The dislodgement of the person -- Self. Sex assignment around 1900: from a legal to a clinical issue -- The turn inwards -- Scripting the self: N. O. Body's autobiography -- Conclusion.
Sommario/riassunto	"An adolescent girl is mocked when she takes a bath with her peers, because her genitals look like those of a boy. A couple visits a doctor asking to 'create more space' in the woman for intercourse. A doctor finds testicular tissue in a woman with appendicitis, and decides to keep his findings quiet. These are just a few of the three hundred European case histories of people whose sex was doubted during the long nineteenth century that Geertje Mak draws upon in her remarkable new book. How did people deal with such situations? How did they decide to which sex a person should belong? This groundbreaking analysis of clinical case histories shows how sex changed from an outward appearance inscribed in a social body to something to be found deep inside body and self. A fascinating, easy to follow, yet

		sophisticated argument addressing major issues of the history of body, sex, and self, this volume will fit advanced undergraduate courses, while challenging specialists."--Publisher's website.

3. Record Nr. UNINA9910830166003321

Autore	Azhari Haim <1955->
Titolo	Basics of biomedical ultrasound for engineers / / Haim Azhari
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2010]
ISBN	1-282-54781-X 9786612547812 0-470-56147-5 0-470-56146-7
Descrizione fisica	1 online resource (392 pages)
Disciplina	616.0754
Soggetti	Ultrasonics in medicine Ultrasonics
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 and index.
Nota di contenuto	PREFACE -- ACKNOWLEDGMENTS -- INTRODUCTION -- Prelude and Basic Defi nitions -- The Advantages of Using Ultrasound in Medicine -- A General Statement on Safety -- Some Common Applications of Ultrasound -- What Is It that We Need to Know? -- References -- 1 WAVES-A GENERAL DESCRIPTION -- 1.1 General Defi nitions of Waves-A Qualitative Description -- 1.2 General Properties of Waves-A Qualitative Description -- -- 1.3 Mechanical One-Dimensional Waves -- 1.4 The Wave Function -- 1.5 The Wave Equation -- 1.6 Harmonic Waves -- 1.6.1 Equivalent Presentations -- 1.7 Group Waves -- 1.8 Wave Velocity -- 1.9 Standing Waves (a Mathematical Description) -- 1.10 Spherical Waves -- 1.11 Cylindrical Waves -- 1.12 The Wave Equation in a Nonhomogeneous Medium -- 2 WAVES IN A ONE-DIMENSIONAL MEDIUM -- 2.1 The Propagation Speed of Transverse Waves in a String -- 2.2 Vibration Frequencies for a Bounded String -- 2.3 Wave Refl ection (Echo) in a One-Dimensional Medium -- 2.4

Special Cases -- 2.5 Wave Energy in Strings -- 2.6 Propagation of Longitudinal Waves in an Isotropic Rod or String -- 2.7 A Clinical Application of Longitudinal Waves in a String -- 3 ULTRASONIC WAVES IN FLUIDS -- 3.1 Waves in Fluids -- 3.2 Compressibility -- 3.3. Longitudinal Waves in Fluids -- 3.4 The Wave Energy -- 3.5 Intensity -- 3.6 Radiation Pressure -- 3.7 A Perfect Reflector -- 4 PROPAGATION OF ACOUSTIC WAVES IN SOLID MATERIALS. -- 4.1 Introduction to the Mechanics of Solids -- 4.2 The Elastic Strain -- 4.3 Stress -- 4.4 Hooke's Law and Elastic Coefficients -- 4.5 The Wave Equation for an Elastic Solid Material -- 4.6 Propagation of a Harmonic Planar Wave in a Solid Material -- 5 ATTENUATION AND DISPERSION -- 5.1 The Attenuation Phenomenon -- 5.2 Explaining Attenuation with a Simple Model -- 5.3 Attenuation Dependency on Frequency -- 5.4 The Complex Wave Number -- 5.5 Speed of Sound Dispersion -- 5.6 The Nonlinear Parameter B/A -- 6 REFLECTION AND TRANSMISSION -- 6.1 The Acoustic Impedance -- 6.2 Snell's Law.
6.3 Refl ection and Transmission from Boundaries Separating Two Fluids (or Solids with No Shear Waves) -- -- 6.4 Refl ection from a Free Surface in Solids (Mode Conversion) -- 6.5 Refl ection and Transmission from a Liquid- Solid Boundary -- 7 ACOUSTIC LENSES AND MIRRORS -- 7.1 Optics -- 7.2 Optics and Acoustics -- 7.3 An Ellipsoidal Lens -- 7.4 Spherical Lenses -- 7.5 Zone Lenses -- 7.6 Acoustic Mirrors (Focusing Reflectors) -- 8 TRANSDUCERS AND ACOUSTIC FIELDS -- 8.1 Piezoelectric Transducers -- 8.2 The Acoustic Field -- 8.3 The Field of a Point Source -- 8.4 The Field of a Disc Source -- 8.5 The Field of Various Transducers -- 8.6 Phased-Array Transducers -- 8.7 Annular Phased Arrays -- 9 ULTRASONIC IMAGING USING THE PULSE-ECHO TECHNIQUE -- 9.1 Basic Defi nitions in Imaging -- 9.2 The “A-Line” -- 9.3 Scatter Model for Soft Tissues -- 9.4 Time Gain Compensation -- 9.5 Basic Pulse-Echo Imaging (B-Scan) -- 9.6 Advanced Methods for Pulse-Echo Imaging -- 10 SPECIAL IMAGING TECHNIQUES. -- 10.1 Acoustic Impedance Imaging-Impediography -- 10.2 Elastography -- 10.3 Tissue Speckle Tracking -- 10.4 Through-Transmission Imaging -- 10.5 Vibro-acoustic Imaging -- 10.6 Time Reversal -- 10.7 Ultrasonic Computed Tomography -- 10.8 Contrast Materials -- 10.9 Coded Excitations -- References -- 11 DOPPLER IMAGING TECHNIQUES -- 11.1 The Doppler Effect -- 11.2 Velocity Estimation -- 11.3 Frequency Shift Estimation -- 11.4 Duplex Imaging (Combined B-Scan and Color Flow Mapping) -- References -- 12 SAFETY AND THERAPEUTIC APPLICATIONS -- 12.1 Effects Induced by Ultrasound and Safety -- 12.2 Ultrasonic Physiotherapy -- 12.3 Lithotripsy -- 12.4 Hyperthermia HIFU and Ablation -- 12.5 Drug Delivery -- 12.6 Gene Therapy -- 12.7 Cosmetic Applications -- APPENDIX A: TYPICAL ACOUSTIC PROPERTIES OF TISSUES -- -- APPENDIX B: EXEMPLARY PROBLEMS. -- APPENDIX C: ANSWERS TO EXEMPLARY PROBLEMS -- INDEX.

Sommario/riassunto

"Basics of Biomedical Ultrasound for Engineers is a structured textbook for university engineering courses in biomedical ultrasound and for researchers in the field. This book offers a tool for building a solid understanding of biomedical ultrasound, and leads the novice through the field in a step-by-step manner. The book begins with the most basic definitions of waves, proceeds to ultrasounds in fluids, and then delves into solid ultrasounds, the most complicated kind of ultrasound. It encompasses a wide range of topics within biomedical ultrasound, from conceptual definitions of waves to the intricacies of focusing devices, transducers, and acoustic fields"--Provided by publisher.