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“This textbook is a good overview of most of the aspects of underwater acoustics. It also includes a comprehensive list of references for those who want to delve deeper into any of the underwater acoustic topics. Overall the book is a good first textbook and first reference.

An Introduction to Underwater Acoustics - Principles and

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Acoustics was originally the study of small pressure waves in air which can be detected by the human ear: sound. The scope of acoustics has been extended to higher and lower frequencies: ultrasound and infrasound. Structural vibrations are now often included in acoustics. Also the perception of sound is an area of acoustical research.

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Massachusetts Institute of Technology 2.017 Basic Physics of Underwater Acoustics Reference used in this lecture: Lurton, X. 2002. An introduction to

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Sonar Basics Introduction Literature Course text: sonar_introduction_2012.pdf Course presentation: sonar_presentation_2012.pdf Xavier Lurton, An introduction to underwater acoustics Springer Praxis, First edition 2002, Second edition 2010 www.wikipedia.org | sonar | underwater acoustics | side-scan sonar | biosonar, animal echolocation | ...

History of Underwater Acoustics - Universitetet i Oslo

Development of Thin, Low Frequency Electroacoustic Projectors for Underwater Applications T. R. Howartha and J. F. Tresslerb aNAVSEA Division Newport, Newport, RI USA bNaval Research Laboratory, Washington, DC USA Two acoustic transducer panels have been designed, fabricated and electroacoustically evaluated.

HYDROACOUSTICS AND UNDERWATER ACOUSTICS

Acoustics, An Introduction to Its Physical Principles and Applications Allan D. Pierce Originally published in 1981; Reprinted in 1989 Table of Contents List of Symbols Chapters 1. The Wave Theory of Sound 1-1 A Little History 1-2 The Conservation of Mass 1-3 Euler's Equation of Motion for a Fluid 1-4 Pressure-Density Relations 1-5 Equations of ...

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Eos, Transactions American Geophysical Union Volume 84, Issue 28, Version of Record online: 3 JUN 2011. Abstract; Article ...

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