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Note generali	"Adapted and updated from two volumes Sonars et acoustique sous-marine published 2009 in France by Hermes Science/Lavoisier"--T.p. verso.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The approach -- Sound propagation in the marine environment -- Noise and reverberation -- Radiated noise and clean sounds -- Transmission of the acoustic signal. sonar equations -- Electric-acoustic and acoustic-electric transformations -- Performance and structures of acoustic antennas. antenna and radiation -- Hydrophone-transducer electronics adaptation -- Electro-mechanical-acoustic analogies -- The criteria of choice in active treatment -- The chain of processing active sonar -- Theoretical notions in active treatment -- Measures in underwater acoustics.
Sommario/riassunto	Sonar and Underwater Acoustics brings together all the concepts necessary for designers and users of sonar systems. Unlike other books on this subject, which are often too specialized, this book is accessible to a wider audience. The first part focuses on the acoustic environment, antenna structures, and electric acoustic interface. The latter provides

knowledge required to design, as well as the development and implementation of chain processes for an active sonar from the conditioning input to output processing. The reader will find a comprehensive range of all problems encountered in underw
