

Underwater acoustic modeling and simulation

Type de contenu : Texte

Titre(s) : Underwater acoustic modeling and simulation [texte imprimé] / Paul C. Etter

Auteur(s) : Etter, Paul C.

Mention d'édition : 5th ed.

Editeur, producteur : Boca Raton (Fla.) : CRC Press, 2018

Description matérielle : 1 vol. (XXIX-608 p.) : ill., couv. ill. en coul. ; 24 cm

Résumé ou extrait : Underwater Acoustic Modeling and Simulation (5th edition) examines the translation of our physical understanding of sound in the sea into mathematical models that can simulate acoustic propagation, noise, and reverberation in the ocean. These models are used in a variety of research and operational applications to predict and diagnose the performance of complex sonar systems operating in the undersea environment. This fifth edition addresses advances in the development and utilization of underwater acoustic models since 2013. The inventory of underwater acoustic models has increased by approximately 10 percent over this period, thus demonstrating a continued expansion of related research and development activities. Major new developments are described in newly created subsections of the existing chapters.

Sujet(s) : Acoustique sous-marine
modèles mathématiques