

Download High Frequency Seafloor Acoustics

models relevant to high-frequency seafloor acoustics and will be of interest to sonar engineers and researchers working in underwater acoustics. The physical characteristics of the seafloor affecting acoustic propagation and scattering are covered, including physical and geoacoustic properties and surface roughness. High-Frequency Seafloor Acoustics is the first book in a new series sponsored by the Office of Naval Research on the latest research in underwater acoustics. Seafloor roughness can be a dominant contributor to sound scattering at higher acoustic frequencies, causing reverberation through backscattering and altering propagation through forward scattering. Page 567 - The effect of a layer of varying density on high-frequency reflection, forward loss, and backscatter, ? Appears in 7 books from 1929-2006 Page 567 - In Impact of Littoral Environmental Variability on Acoustic Predictions and Sonar Performance, edited by NG Pace and FB Jensen (Kluwer).