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characteristics and
computational methods.

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results. The air sea
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zone is described in
terms of
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treatments which will be
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spectrum system
analysis, Underwater
Acoustics: Analysis,
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of Sonar provides a state-of-the-art introduction to the subject and has been carefully

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the more populist, non-mathematical books that characterize the existing literature in the field.

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with extensive references. Practitioners in the field of sonar design, analysis and performance prediction as well as graduate students and researchers will appreciate this new reference as an invaluable and timely contribution to the field. Chapters include the sonar equation, radiated, self and ambient noise,

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transducers, active
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statistical detection
theory, false alarms,
contacts and targets,
variability and
uncertainty, modelling
detections and tactical
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target motion analysis
and localization, and
design and evaluation of
sonars

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design Written at a level
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