

Optimal and Adaptive Methods of Sonar Signal Processing

Book 1. Optimal methods

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The book considers a wide range of problems related to analysis and synthesis of modern sonar systems.

Book 1 investigates the optimal processing methods with known signal and noise correlation matrices. It serves as an introduction to the study of intensively developing adaptive processing of sonar signals, which enhances the reliability and accuracy of environment assessment. Adaptive processing issues are detailed in Book 2.