Abstract

Capture of airtarget acoustic signal carries a lot of information that can be used for its characterization. The airtarget acoustic signal can be used as a passive detection and classification technique. In this paper, a proposed flexible algorithm for airtarget type passive detection and classification is introduced to extract some selected unique features to classify airtargets. Also, a proposed equalization method is introduced to characterize the airtargets according to their extracted features.
A New Scattering Clusters Equalization Algorithm for Airtarget Acoustic Passive Detection and Classification

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Index Terms

Computer Science Artificial Intelligence

Keywords

Airtarget, Acoustic signal, Short time series, Decomposition domain and Equalization analysis.