A New Scattering Clusters Equalization Algorithm for Airtarget Acoustic Passive Detection and Classification

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.

References

Acoustic Signature Diagnosis. International Journal of Science and Research (IJSR) 2319-7064.


**Index Terms**

Computer Science            Artificial Intelligence

**Keywords**

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