Abstract

This paper deals with the velocity estimation of a moving target by using bistatic radar. The illuminating signal used is an FM-Radio Broadcast signal. The main problems associated with bistatic radars are the noise and DPI (Direct Path interference). The estimation is achieved by reducing noise and direct path interference using adaptive filtering technique. The performance is computed by using simulations.

References

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**Index Terms**

Computer Science

Signal Processing
Keywords

Least Mean Square (LMS)  Cross Ambiguity Function (CAF)  noise cancellation
Direct Path interference Cancellation (DPI)
Doppler.