عنوان مقاله:

Investigating the capability and efficiency of Cyclo-Stationary analysis for LPI radar signals

نویسنده:

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خلاصه مقاله:

Cyclo-Stationary analysis is based on the use of signal redundancy. Signal repetition is an important factor in creating redundancy, which is more common in radar signals than in telecommunication signals. Telecommunication signals are used to transmit information and it is natural that they have a little redundancy, while most of the radar signals are parametric signals and have predefined areas in the signal space. The LPI signal has two main parameters, starting frequency and bandwidth. In this article, this signal is fully introduced as an LFM signal and then the effects of noise on it are investigated. Finally, its detection will be investigated and analyzed by Cyclo-Stationary method.

کلمات کلیدی:

LFM signal, Cyclo-Stationary analysis, LPI signal

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