

عنوان مقاله:

Using Gabor Filter for SAR Automatic Target Recognition

محل انتشار:

هشتمین کنفرانس ملی رادار و سامانه های مراقبتی ایران (سال: 1400)

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خلاصه مقاله:

Synthetic aperture radar (SAR) automatic target recognition (ATR) technology is one of the most important research in the field of image cognitive learning. This paper proposes a synthetic aperture radar automatic target recognition method via support vector machine (SVM) classifier by using features that are extracted from Gabor filters. We choose ten types of targets from the Moving and Stationary Target Acquisition and Recognition (MSTAR) dataset. The experimental results show that the recognition accuracy of our method is significantly higher than other similar methods. So it will be proved that our method can effectively improve the SAR ATR accuracy.

کلمات کلیدی:

(SAR, formatting, ATR, SVM, Gabor filter (key words

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