

عنوان مقاله:

Detection of Four Types Fluctuating Range Distributed Targets in the Presence of Non Gaussian Clutter in HRR
RADARS Using Hough Transform

محل انتشار:

بیست و یکمین کنفرانس مهندسی برق ایران (سال: 1392)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Vahid Riazi - *Electrical Engineering Department, Shiraz University, Namazi sq. , Shiraz, Iran*

Fariba Haghjoo - *Azad University, Bushehr Branch, Iran*

Abbas Sheikhi - *Electrical Engineering Department, Shiraz University*

خلاصه مقاله:

In this paper, we propose a new approach for noncoherent integration of HRR pulses based on Hough transform which employs the slope-intercept parameterspace. Also we use a low pass filter after Hough transform to improve detection. In this paper we investigate the performance of filtered Hough transform-based detector for detection of range distributed target in HRR RADAR signals, in the presence of Gaussian and non Gaussian distributed clutter for non-fluctuating and four types of Swerling targets. The performance of target detection of filtered Hough transform-based detector is analyzed through Monte- Carlo simulation runs

کلمات کلیدی:

HRR RADAR, Fluctuating Range Distributed Targets, Hough Transform, Non Gaussian Clutter

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/208616>

