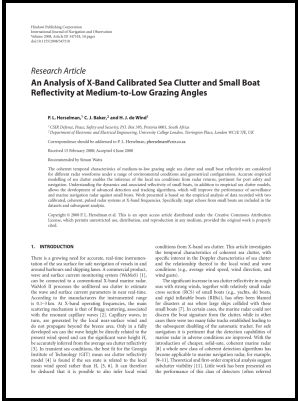


Probability of detecting and tracking radar targets in clutter at low grazing angles

- - British Library EThOS: The probability of detecting and tracking RADAR targets in clutter at low grazing angles



Description: -
-probability of detecting and tracking radar targets in clutter at low grazing angles
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Notes: Thesis(Ph.D.) - Loughborough University of Technology 1982.
This edition was published in 1982



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Tags: #Radar #Detection #and #Tracking #of #Small #Maritime #Targets #at #High #Grazing #Angles

Radar clutter modeling for change detection, Proceedings of SPIE

Furthermore, we propose to conduct a proof-of-concept study that demonstrates the feasibility of using radar data coupled with advanced image analysis to detect moving submerged submarines.

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Moving Target Indicator

The entire trajectory is fed as input to the neural network.

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Accordingly, the threshold of the SK-based detector is chosen as the largest value of the SK in the following analysis.

Moving Target Indicator

In addition to high-resolution imaging modes needed for target classification, the radar has to supply an accurate localization of the targets.

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In operation of the radar system 20, the range gate is systematically varied to scan the field of view between small and large ranges. The radar transceiver 22 of FIG. Satellite-borne radar is also now used routinely to detect illegal discharges at sea.

Sea

This was a further reason why the next generation system, NeXtRAD, was designed to be dual frequency having both L-band and X-band operating options.

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