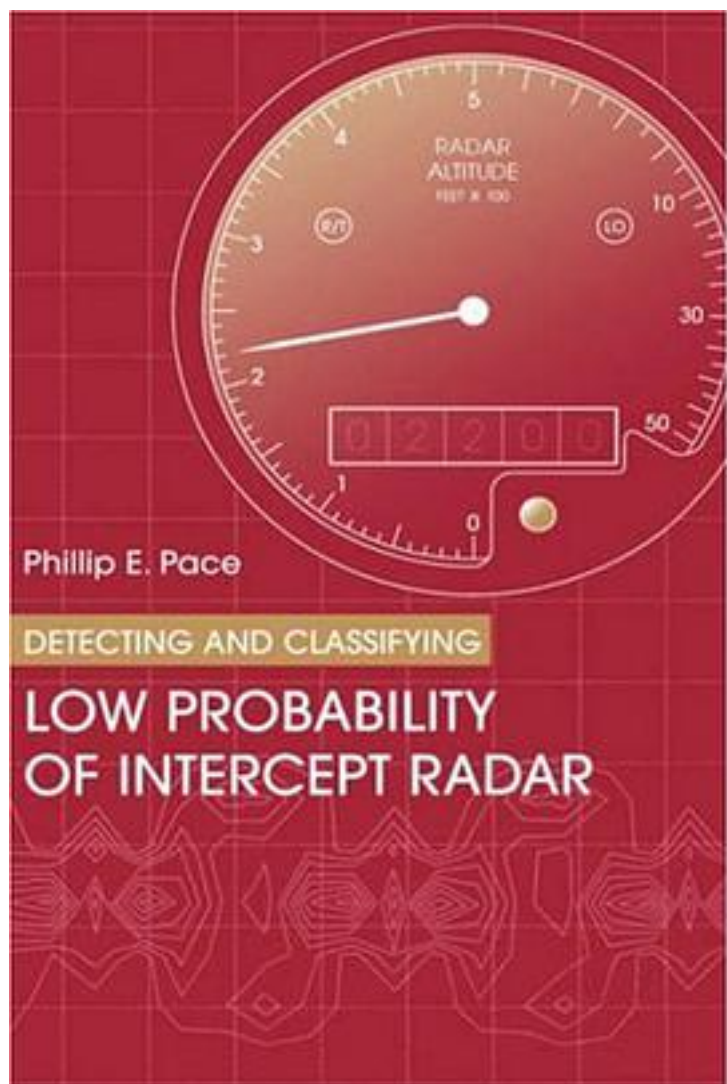


Detecting and Classifying Low Probability of Intercept Radar



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Low probability of intercept (LPI) radar is increasingly critical to covert surveillance, target tracking and stealth operations - as is the capability to detect it. Now, the world's most authoritative book on LPI emitter design and counter-LPI techniques explores the latest advances in the field in a new edition complete with ready-to-use MATLAB software simulations for every LPI modulation in the book. Supported by 360 task-clarifying illustrations, the book offers radar engineers expert guidance on the design of LPI emitter and intercept receivers and the development of digital signal processing techniques for detecting and classifying LPI modulations. This title includes a CD-ROM! It contains valuable MATLAB programs that help professionals design various LPI emitter architectures and waveform modulations to help them with their detection and classification work.

作者介绍:

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标签

评论

疫情期间仔细读过的书，作者对非合作信号有多年的研究。第一部分大致介绍了主流的LPI信号形式，第二部分介绍了几种时频分析方法，像是WVD CWD 小波循环自相关之类的。每种信号都给了仿真和具体的分析，可以当作工具书使用。可惜写书的时间早了，没用上深度学习图像处理的技术，哈哈哈哈哈让韩国人水了不少文章。（其实还是有一些简单机器学习的，在第17章，PCA，多层感知器和RBF这种简单的）最大的问题是书里配的matlab代码现在不能直接用了QAQ有些函数会报错。

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书评

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