

<<信号检测与估计>>

图书基本信息

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内容概要

信号检测与估计是研究在噪声、干扰和信号共存的环境中如何正确发现、辨别和测量信号的技术，广泛应用于雷达和无线通信等领域。

本书详细讲解了信号检测与估计的理论知识与实践应用，共分为四个部分。

第一部分概述后续章节需要用到的基础知识，第二部分讲述检测理论的基础概念，包括二元假设检验、备择假设检验、具有随机参量的复合假设检验及非参量检验等。

第三部分介绍单参数和多参数的估值方法以及波形估计理论。

第四部分介绍某些理论的特定应用。

全书共19章，各章都附有大量例题和习题，并给出数个MATLAB计算机仿真实验，以加深读者对于抽象理论的理解，便于读者实践掌握。

本书可作为高等院校通信类、信息类、电子类和控制类等专业的研究生或高年级本科生的专业教材，也可作为相关科研人员的参考用书。

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