

<<微电子专业英语>>

图书基本信息

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## <<微电子专业英语>>

### 内容概要

本书以英文的形式介绍了微电子学和集成电路设计的相关技术。全书共分四部分：第一部分为半导体物理基础知识，包括晶格结构、能带结构、载流子浓度和输运等；第二部分介绍半导体器件物理基础理论，包括pn结、肖特基二极管、异质结二极管、双极型晶体管和场效应晶体管；第三部分简要阐述半导体集成电路的设计过程和设计方法；第四部分介绍半导体集成电路的制造工艺。

本书可作为高等学校微电子学、集成电路设计及相关专业的“专业英语”课程的教材，也可作为从事微电子和集成电路相关科研和工程技术人员的参考书。

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