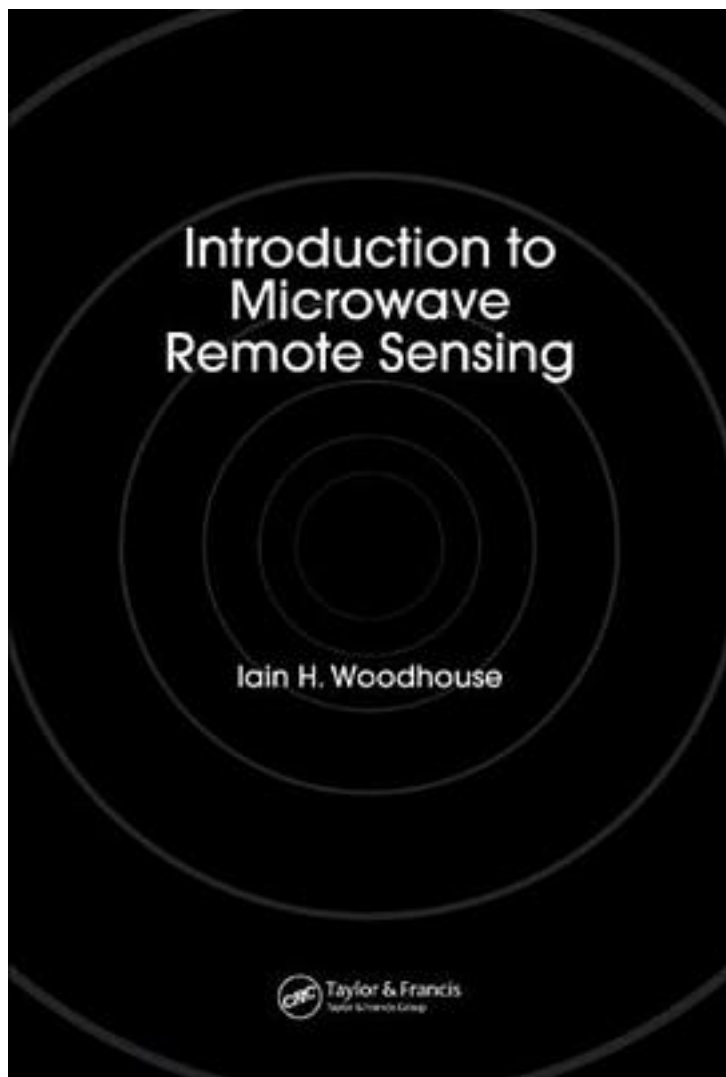


Introduction to Microwave Remote Sensing



[Introduction to Microwave Remote Sensing_ 下载链接1_](#)

著者:Woodhouse, Iain

出版者:CRC Pr I Llc

出版时间:2005-10

装帧:HRD

isbn:9780415271233

"Introduction to Microwave Remote Sensing" offers an extensive overview of this versatile and extremely precise technology for technically oriented undergraduates and graduate students. This textbook emphasizes an important shift in conceptualization and directs it toward students with prior knowledge of optical remote sensing: the author dispels any linkage between microwave and optical remote sensing. Instead, he constructs the concept of microwave remote sensing by comparing it to the process of audio perception, explaining the workings of the ear as a metaphor for microwave instrumentation. This volume takes an "application-driven" approach. Instead of describing the technology and then its uses, this textbook justifies the need for measurement then explains how microwave technology addresses this need. Following a brief summary of the field and a history of the use of microwaves, the book explores the physical properties of microwaves and the polarimetric properties of electromagnetic waves. It examines the interaction of microwaves with matter, analyses passive atmospheric and passive surface measurements, and describes the operation of altimeters and scatterometers. The textbook concludes by explaining how high resolution images are created using radars, and how techniques of interferometry can be applied to both passive and active sensors.

作者介绍:

目录:

[Introduction to Microwave Remote Sensing_ 下载链接1](#)

标签

专业

地理信息

不错的书

评论

原理比国内的教材讲得要详细，适合研究生入门

不错的一本入门教材。

[Introduction to Microwave Remote Sensing_下载链接1_](#)

书评

[Introduction to Microwave Remote Sensing_下载链接1_](#)