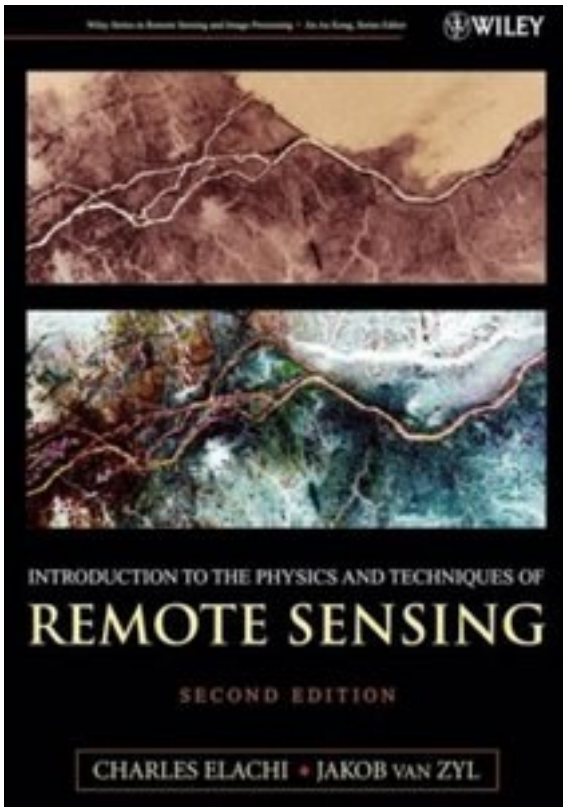
Introduction to the Physics and Techniques of Remote Sensing



Introduction to the Physics and Techniques of Remote Sensing_下载链接1_

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Thoroughly updated to reflect the tremendous technological leaps made since the publication of the first edition, this book covers the gamut of knowledge and skills needed to work in this dynamic field, including: physics involved in wave-matter interaction, the building blocks for interpreting data, techniques used to collect data, remote sensing applications.

The authors have carefully structured and organized the book to introduce readers to the basics, and then move on to more advanced applications. Following an introduction, Chapter 2 sets forth the basic properties of electromagnetic waves and their interactions with matter. Chapters 3 through 7 cover the use of remote sensing in solid surface studies, including oceans. Each chapter covers one major part of the electromagnetic spectrum (e.g., visible/near infrared, thermal infrared, passive microwave, and active microwave).

Chapters 8 through 12 then cover remote sensing in the study of atmospheres and ionospheres. Each chapter first presents the basic interaction mechanism, followed by techniques to acquire, measure, and study the information, or waves, emanating from the medium under investigation. In most cases, a specific advanced sensor is used for illustration.

作者介绍:

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标签

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Remote_Sensing

Principle

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评论

大牛手笔，对知识的了然于心使得文章思路清晰、推理简明，一步一步的讲解和剖析，既有大体框架，又有时下难点、热点，推理过程公式清晰，步骤简短，好书！

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书评

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