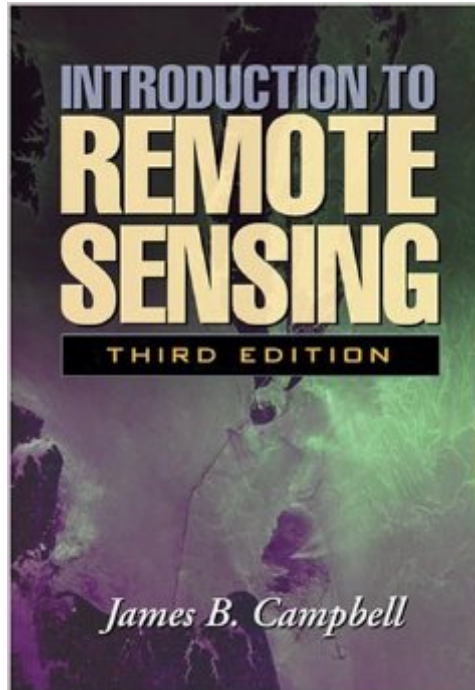The book was found

Introduction To Remote Sensing, Third Edition

Synopsis

Now in its revised and updated third edition, this comprehensive introductory text presents a timely overview of the most widely used forms of remote sensing imagery and their applications in plant sciences, hydrology, earth sciences, and land-use analysis. The third edition features new coverage of lidar technology, radar interferometry, and the present generation of satellite sensors, as well as other topics of current significance. Integrating knowledge from the many fields that contribute to remote sensing, the text is richly illustrated with 28 color plates and more than 380 black-and-white images and figures.

Book Information

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Customer Reviews

"Introduction to Remote Sensing" by James Campbell covers Remote Sensing, past and present, from one end of the spectrum to the other. Head of the Geography Department at Virginia Tech, his book shows all of the new technology and image processing required for todays sensors. It has excellent illustrations and charts to get the point across easily for a very difficult subject. Complete and up to date, Campbell discusses the new wave of remote sensing, image classification, plant sciences, earth sciences, gps, hyperspectral data, the history of satellites, radiation and cartography. And most of all, how to apply it accurately.

I read the first edition back around 1991 in college and this was a great refresher to the subject. I especially like the updates on LIDAR and Hyperspectral RS. The writing is clear and easy to

understand and the bibliography is a great resource too.

This book is a reasonable introduction for students who never had contact with remote sensing before and who do not plan to pursue it further after their introductory courses. In contrast with what some other people wrote in the reviews, I think it is very poor in technical content and readers will hardly acquire any capability to do actual stuff from this book. For example, the description of classification techniques is elementary at best and very incomplete, and won't help you much in understanding how classification works, let alone implement any real life algorithm. Students wanting to actually do real stuff and manipulate images in a professional manner should look elsewhere for guidance. Personally, I prefer Schowengerdt's "Remote Sensing: Models and Methods for Image Processing" for thoroughness and usefulness. Also Jones and Vaughan's "Remote Sensing of Vegetation: Principles, Techniques, and Applications" is a good first alternative

I would like to start by stating that I am a graduate student with some background in GIS enrolled in an introductory level Remote Sensing Course. This book goes into great detail on the topic of remote sensing. For an introductory level book, it is very technical and takes a lot of extra effort to retain all of the information that it has to offer. Its's good to take breaks while reading this book because you will find yourself re-reading things several times before you actually "get it." The definitions at the end of each chapter are a great feature. While the book is very technical, individual chapters often don't give you enough related information to answer their review questions.

Although a bit techn ical I was able to master this program with dedication and reading the book thorough to the end. Don't expect light reading, but also buy GIS for dummies to help through some of the Cuputobabel you should be familiar with.

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