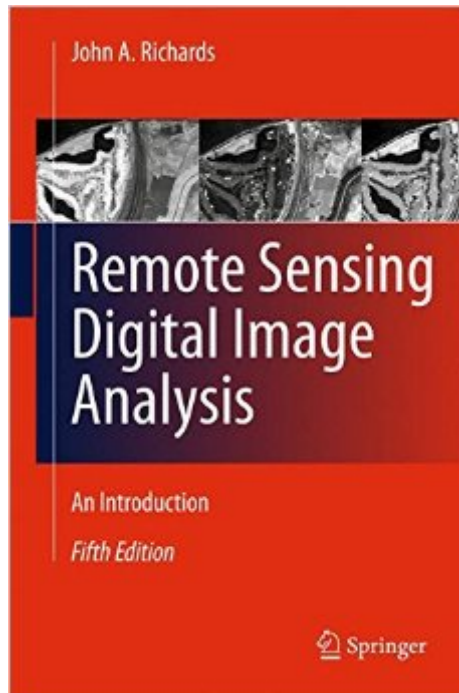# Remote Sensing Digital Image Analysis: An Introduction

Synopsis

Remote Sensing Digital Image Analysis provides the non-specialist with an introduction to quantitative evaluation of satellite and aircraft derived remotely retrieved data. Since the first edition of the book there have been significant developments in the algorithms used for the processing and analysis of remote sensing imagery; nevertheless many of the fundamentals have substantially remained the same. Â This new edition presents material that has retained value since those early days, along with new techniques that can be incorporated into an operational framework for the analysis of remote sensing data. The book is designed as a teaching text for the senior undergraduate and postgraduate student, and as a fundamental treatment for those engaged in research using digital image processing in remote sensing. Â The presentation level is for the mathematical non-specialist. Â Since the very great number of operational users of remote sensing come from the earth sciences communities, the text is pitched at a level commensurate with their background. Â Each chapter covers the pros and cons of digital remotely sensed data, without detailed mathematical treatment of computer based algorithms, but in a manner conductive to an understanding of their capabilities and limitations. Problems conclude each chapter.

Book Information

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Customer Reviews

This is one of the best books in the field of remote sensing. This book describes in detail, with good examples, the most important methods for multispectral image analysis. No previous background is needed and only basic mathematics are required.

I own the 3rd edition of this book and it's a bit dated for a course I took recently, but it got me through the difficult to grasp concepts like PCA and Fourier analysis.Not bad.

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