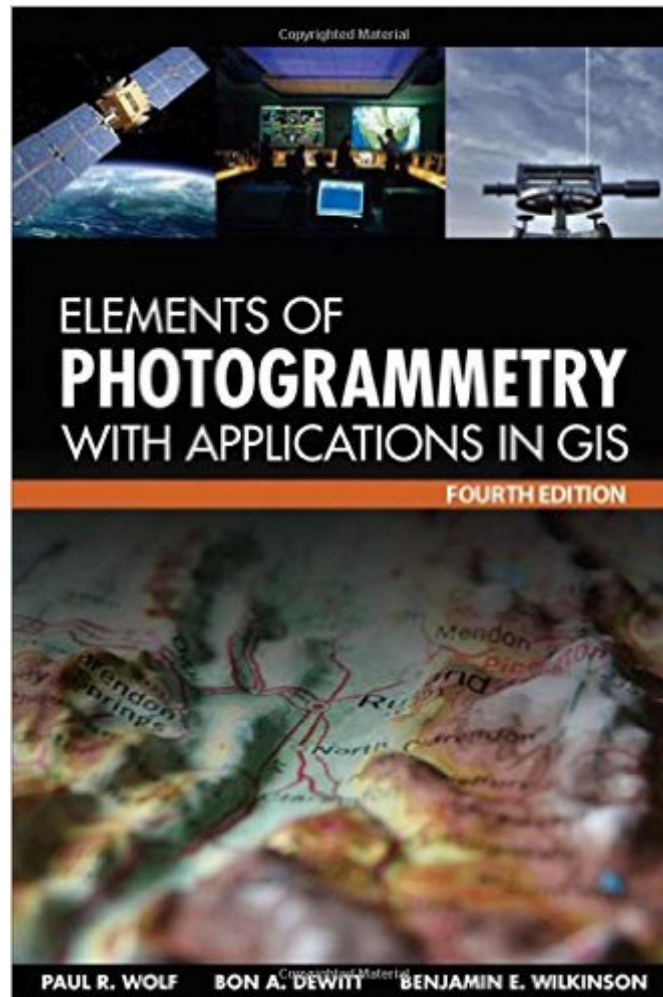


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# Elements Of Photogrammetry With Application In GIS, Fourth Edition



## Synopsis

The definitive guide to photogrammetry--fully updated Thoroughly revised to cover the latest technological advances in the field, *Elements of Photogrammetry with Applications in GIS*, Fourth Edition, provides complete details on the foundational principles of photogrammetry as well as important advanced concepts. Significant changes in the instruments and procedures used in modern photogrammetry, including laser scanning, are discussed. Example problems clarify computational procedures and extensive photographs and diagrams illustrate the material presented in this comprehensive resource. Coverage includes: Principles of photography and imaging Cameras and other imaging devices Image measurements and refinements Object space coordinate systems Vertical photographs Stereoscopic viewing Stereoscopic parallax Stereoscopic plotting instruments Laser scanning systems Elementary methods of planimetric mapping for GIS Tilted and oblique photographs Introduction to analytical photogrammetry Topographic mapping and spatial data collection Fundamental principles of digital image processing Photogrammetric applications in GIS Control for aerial photogrammetry Aerotriangulation Project planning Terrestrial and close-range photogrammetry

## Book Information

Hardcover: 696 pages

Publisher: McGraw-Hill Education; 4 edition (January 7, 2014)

Language: English

ISBN-10: 0071761128

ISBN-13: 978-0071761123

Product Dimensions: 6.3 x 1.1 x 9.2 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

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## Customer Reviews

The book is solidly written; however, I do feel there is a slight misrepresentation when the book states it is good for beginning photogrammetry. If you are familiar with photogrammetry, the book is a useful reference and provides details on a variety of relevant topics. However, individuals with no knowledge of the topic will find many of the topics unclear, with the authors presuming the reader

knows information not presented in the book. There are a large quantity of formulas presented; however, there are errors in some of the formulas and often, the formulas are not completely explained. If you are not familiar with upper level math concepts like linear algebra, trig and calculus, following how the solutions were derived may be frustrating. If this is a field you are interested in pursuing, the book may be worth getting. If you are more interested in an overview of photogrammetry, this is probably not the best fit.

Very good for understanding the photogrammetry issue

This book is a compact improvement over the previous editions. It is readily comprehensible

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