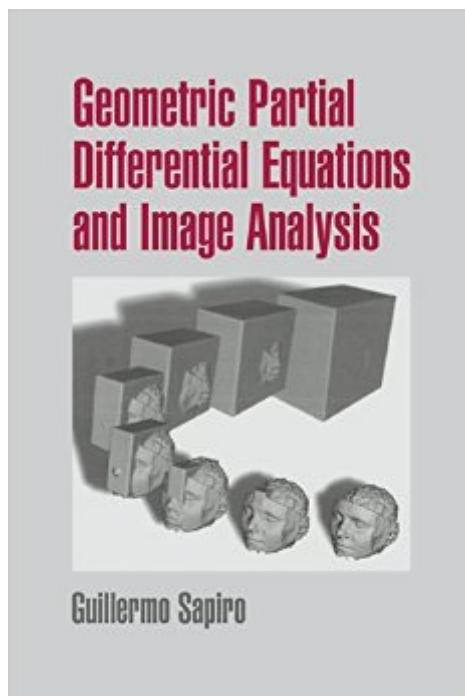


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# Geometric Partial Differential Equations And Image Analysis



## **Synopsis**

This book provides an introduction to the use of geometric partial differential equations in image processing and computer vision. This research area brings a number of new concepts into the field, providing a very fundamental and formal approach to image processing. State-of-the-art practical results in a large number of real problems are achieved with the techniques described in this book. Applications covered include image segmentation, shape analysis, image enhancement, and tracking. This book will be a useful resource for researchers and practitioners. It is intended to provide information for people investigating new solutions to image processing problems as well as for people searching for existent advanced solutions.

## **Book Information**

File Size: 14031 KB

Print Length: 410 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: Cambridge University Press; 1 edition (January 8, 2001)

Publication Date: January 8, 2001

Sold by: Digital Services LLC

Language: English

ASIN: B00INYGEZK

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #1,229,189 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #38 in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Geometry & Topology > Differential Geometry #52 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Computer Technology > Imaging Systems #86 in Books > Law > Specialties > Air & Space

## **Customer Reviews**

well, I bought this book to learn image analysis using pde and this book is not what I expected and unfortunately I ended up paying lots of money for it. The only use it has had so far is for me to know a topic's name and look for the mathematical definitions and implementation methods online. Most

of the times, it is not clear what it's talking about, does not include real clarifying examples, it jumps from one kind of notation to another kind in the middle of explanation and the math at times is not clear and well written. Definitely not what you would expect from a book which involves many formulas/theories and proofs.

I purchased the book after taking Prof. Sapiro's excellent course on Coursera. While I loved, and followed pretty well, the class, this book was way over my head.

Too bad Minnesota is so cold. Maybe we can buy him some gloves and get another good book out him...

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