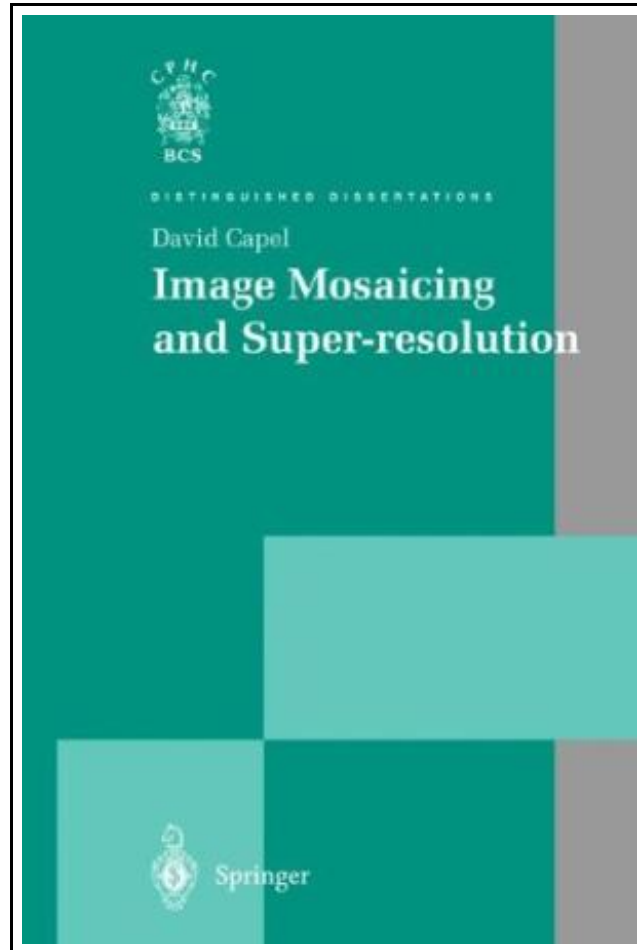


## Image Mosaicing and Super-resolution



Filesize: 9.43 MB

### ***Reviews***

*These kinds of ebook is almost everything and got me to seeking ahead of time plus more. It really is filled with wisdom and knowledge I discovered this book from my i and dad advised this publication to learn.*

*(Sonny Bergstrom)*

## IMAGE MOSAICING AND SUPER-RESOLUTION



To get **Image Mosaicing and Super-resolution** PDF, you should follow the hyperlink beneath and download the file or get access to additional information that are relevant to IMAGE MOSAICING AND SUPER-RESOLUTION book.

Book Condition: New. Publisher/Verlag: Springer, Berlin | This book investigates sets of images consisting of many overlapping viewsofa scene, and how the information contained within them may be combined to produce single images of superior quality. The generic name for such techniques is frame fusion. Using frame fusion, it is possible to extend the fieldof view beyond that ofany single image, to reduce noise, to restore high-frequency content, and even to increase spatial resolution and dynamic range. The aim in this book is to develop efficient, robust and automated frame fusion algorithms which may be applied to real image sequences. An essential step required to enable frame fusion is image registration: computing the point-to-point mapping between images in their overlapping region. This sub problem is considered in detail, and a robust and efficient solution is proposed and its accuracy evaluated. Two forms of frame fusion are then considered: image mosaicing and super-resolution. Image mosaicing is the alignment of multiple images into a large composition which represents part of a 3D scene. Super-resolution is a more sophisticated technique which aims to restore poor-quality video sequences by mod elling and removing the degradations inherent in the imaging process, such as noise, blur and spatial-sampling. A key element in this book is the assumption of a completely uncalibrated cam era. No prior knowledge of the camera parameters, its motion, optics or photometric characteristics is assumed. The power of the methods is illustrated with many real image sequence examples. | 1 Introduction.- 1.1 Background.- 1.2 Modelling assumptions.- 1.3 Applications.- 1.4 Principal contributions.- 2 Literature Survey.- 2.1 Image registration.- 2.1.1 Registration by a geometric transformation.- 2.1.2 Ensuring global consistency.- 2.1.3 Other parametric surfaces.- 2.2 Image mosaicing.- 2.3 Super-resolution.- 2.3.1 Simple super-resolution schemes.- 2.3.2 Methods using a generative model.- 2.3.3 Super-resolution using statistical prior image...



[Read Image Mosaicing and Super-resolution Online](#)



[Download PDF Image Mosaicing and Super-resolution](#)

## Other Books



**[PDF] Would It Kill You to Stop Doing That?**

Access the web link below to download and read "Would It Kill You to Stop Doing That?" file.

[Save PDF >](#)



**[PDF] McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)**

Access the web link below to download and read "McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)" file.

[Save PDF >](#)



**[PDF] Oxford Junior Thesaurus**

Access the web link below to download and read "Oxford Junior Thesaurus" file.

[Save PDF >](#)



**[PDF] Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families (Paperback)**

Access the web link below to download and read "Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families (Paperback)" file.

[Save PDF >](#)



**[PDF] Violet Rose and the Surprise Party**

Access the web link below to download and read "Violet Rose and the Surprise Party" file.

[Save PDF >](#)



**[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 1 Rex to the Rescue (Paperback)**

Access the web link below to download and read "Read Write Inc. Phonics: Grey Set 7 Storybook 1 Rex to the Rescue (Paperback)" file.

[Save PDF >](#)