



Image Mosaicing and Super-resolution

By Capel, David

Book Condition: New. Publisher/Verlag: Springer, Berlin | This book investigates sets of images consisting of many overlapping views of a 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 field of view beyond that of any 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 modelling and removing the degradations inherent in the imaging process, such as noise,...



READ ONLINE
[3.76 MB]

Reviews

I actually started off looking over this publication. I have read through and so i am certain that i am going to likely to study again yet again later on. I am easily will get a delight of reading a written pdf.

-- **Ross Hermann**

This publication will never be effortless to begin on studying but extremely entertaining to learn. It is probably the most incredible publication i have go through. I realized this ebook from my i and dad suggested this publication to learn.

-- **Austin O'Connell**

Other eBooks



[Would It Kill You to Stop Doing That?](#)

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



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

McGraw-Hill, 2001. Soft cover. Book Condition: Brand New. Dust Jacket Condition: No Dust Jacket. Brand New 2001 Copyright, Grade 3 Student Phonics And Phonemic Awareness Practice Book With Units 1-6, Unit Reviews, Take-Home Stories, Illustrations And Pictorial Green Cover Green With Sock,...



[Oxford Junior Thesaurus](#)

Oxford University Press. Hardback. Book Condition: new. BRAND NEW, Oxford Junior Thesaurus, Oxford Dictionaries, With its fresh new look, the Oxford Junior Thesaurus gives children starting KS2 the best writing support. It contains entries in alphabetical order, with thousands of imaginative synonyms...



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

AUTHORHOUSE, United States, 2009. Paperback. Book Condition: New. 279 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.This book is designed to make learning fun for children in kindergarten through primary grades. It teaches recognition of high...



[Violet Rose and the Surprise Party](#)

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



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

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 149 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1, 2 and 3...
