Algorithms for Image Processing and Computer Vision

Von J. R. Parker
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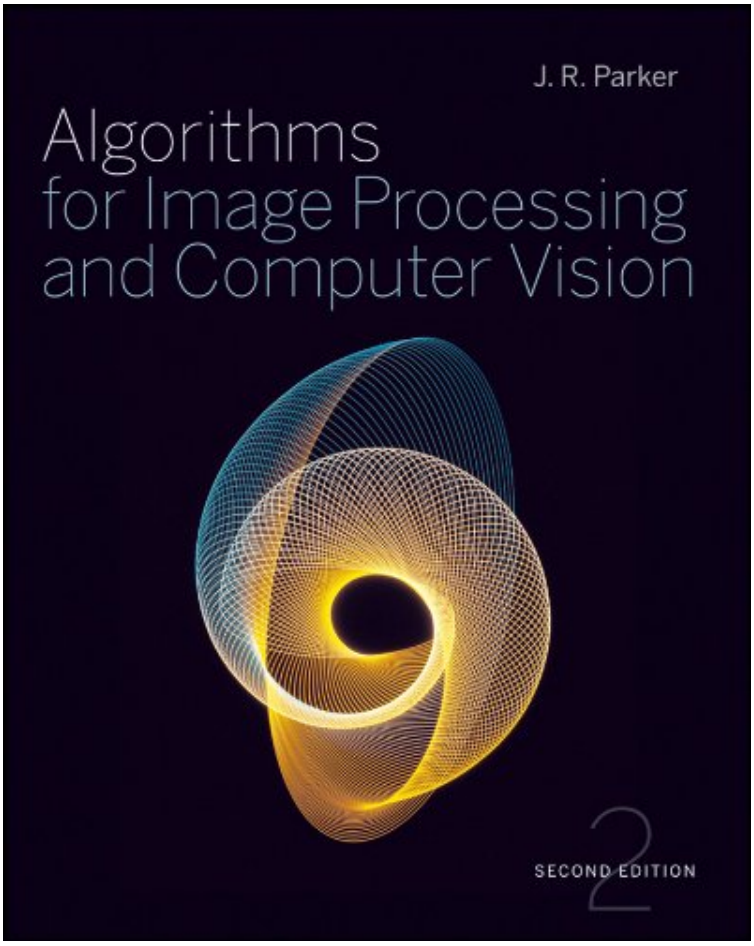

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Von J. R. Parker : Algorithms for Image Processing and Computer Vision before purchasing it in order to gage whether or not it would be worth my time, and all praised Algorithms for Image Processing and Computer Vision:

KundenrezensionenHilfreichste Kundenrezensionen6 von 6 Kunden fanden die folgende Rezension hilfreich. Excellent cook book of advanced IP techniquesVon Ein KundeAt its best, this book is a wonderful cookbook of image processing techniques. For example the author's presentation of the Canny and Shen-Castan methods of edge detection is clear and detailed. Full C source is provided for this and all the other techniques discussed in the book. The book does not pretend to be a basic introduction to image processing -- if you do not have Castleman or Pratt or sometimg similar on your bookshelf, you probably should not start by acquiring this book. A possible source of irritation for some readers will be the variation in depth of coverage of topics. For example, when the author discusses wavelets, the coverage is very scant and qualitative. It is well done, but quite different in kind from the aforementioned coverage of advanced edge detection techniques. Similarly, the author will cover specific aspects of image processing, such as motion blur for an image, in the context of a rather general discussion of image restoration. In short, the book seems to

reflect the author's interests more than attempting to be an objective coverage of the current state of the art in image processing. Nonetheless, the high quality of the information that the author provides and the bibliography to further coverage of the given topics are well worth the price of the book. You just need to approach it on the author's terms rather than on a preconceived notion of what you should get out of the book.1 von 1 Kunden fanden die folgende Rezension hilfreich. A great "Imaging Recipes" bookVon Ein KundeA very good "imaging recipes" book. includes solutions to various IP/Vision problems ranging from low-level edge detection to high-level character recognition. Most of the algorithms are not presented in older books, which makes it a valueble source which replaces the tedious search through individual articles. Written in an "application oriented" approach, with lots of code snippets.1 von 1 Kunden fanden die folgende Rezension hilfreich. Wer etwas ber Bilderkennung lernen will, sollte hier anfangenVon CustomerDieses Buch hat mir sehr geholfen, wichtige Konzepte der Bilderkennung wie z.B. Klassifikation zu verstehen. Durch den chronologischen Aufbau hat auch der Neuling und Autodidakt eine Chance, sich diesem komplexen Thema zu nhern. Ein lesenswertes Buch und in seiner Dichotomie von Beschrnkung auf den angegebenen Inhalt und Ausfhrlichkeit der wichtigen Themen sehr gelungen.R. Gallinat

KurzbeschreibungA cookbook of algorithms for common image processing applications Thanks to advances in computer hardware and software, algorithms have been developed that support sophisticated image processing without requiring an extensive background in mathematics. This bestselling book has been fully updated with the newest of these, including 2D vision methods in content-based searches and the use of graphics cards as image processing computational aids. Its an ideal reference for software engineers and developers, advanced programmers, graphics programmers, scientists, and other specialists who require highly specialized image processing. Algorithms now exist for a wide variety of sophisticated image processing applications required by software engineers and developers, advanced programmers, graphics programmers, scientists, and related specialists This bestselling book has been completely updated to include the latest algorithms, including 2D vision methods in content-based searches, details on modern classifier methods, and graphics cards used as image processing computational aids Saves hours of mathematical calculating by using distributed processing and GPU programming, and gives non-mathematicians the shortcuts needed to program relatively sophisticated applications. Algorithms for Image Processing and Computer Vision, 2nd Edition provides the tools to speed development of image processing applications.KurzbeschreibungA cookbook of algorithms for common image processing applications Thanks to advances in computer hardware and software, algorithms have been developed that support sophisticated image processing without requiring an extensive background in mathematics. This bestselling book has been fully updated with the newest of these, including 2D vision methods in content-based searches and the use of graphics cards as image processing computational aids. Its an ideal reference for software engineers and developers, advanced programmers, graphics programmers, scientists, and other specialists who require highly specialized image processing. Algorithms now exist for a wide variety of sophisticated image processing applications required by software engineers and developers, advanced programmers, graphics programmers, scientists, and related specialists This bestselling book has been completely updated to include the latest algorithms, including 2D vision methods in content-based searches, details on modern classifier methods, and graphics cards used as image processing computational aids Saves hours of mathematical calculating by using distributed processing and GPU programming, and gives non-mathematicians the shortcuts needed to program relatively sophisticated applications. Algorithms for Image Processing and Computer Vision, 2nd Edition provides the tools to speed development of image processing applications.BuchrckseiteNow -- the hottest algorithms for specialized image processing are right in your handsWith this accessible cookbook of algorithms, you'll gain access to the most wanted image-processing applications, including morphology, image restoration, and symbol recognition. Throughout these pages, you'll find real-life examples that clearly describe the latest techniques, saving you hours of lengthy mathematical calculations. And all code is also included on the website, so you can experiment with your own ideas and algorithms for organizing and searching image data sets.This updated edition provides practical solutions so you can:* Program state-of-the-art image-processing capabilities into software* Find the steps for taking advantage of classifiers* Apply 2D vision methods in content-based searches* Perform edge detection, thinning, thresholding, and morphology* Link all the computers on your network into a large image-processing cluster* Program the GPU to do image-processing and vision tasks* Select the best method for searching through imagesVisit the companion website at www.wiley.com/go/jrparker to access all code used in this book.