Algorithms for Image Processing and Computer Vision
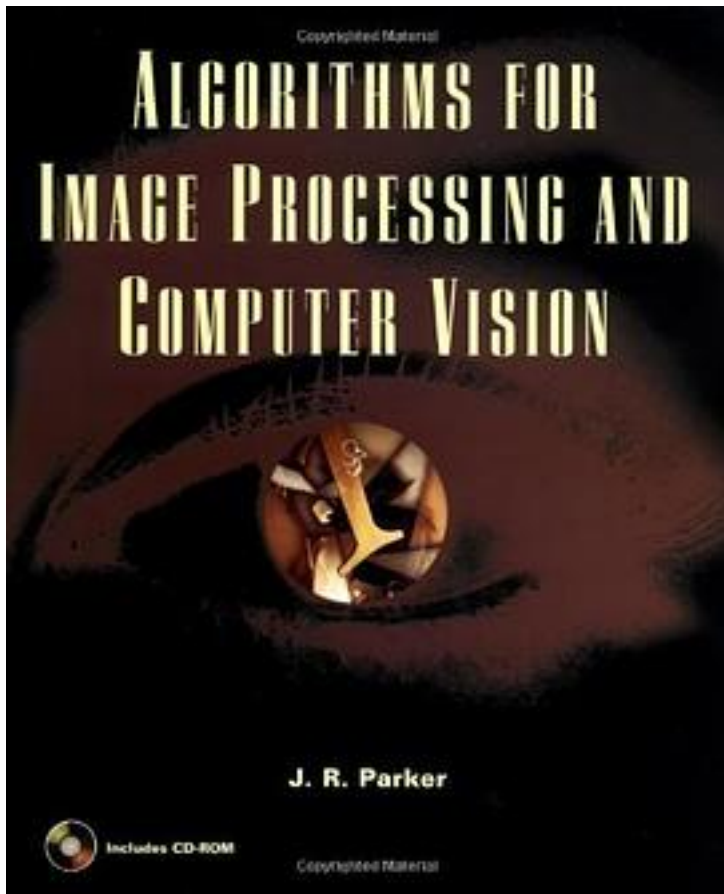

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著者:J.R.Parker

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A cookbook of the hottest new algorithms and cutting-edge techniques in image processing and computer vision

This amazing book/CD package puts the power of all the hottest new image processing techniques and algorithms in your hands. Based on J. R. Parker's exhaustive survey of Internet newsgroups worldwide, Algorithms for Image Processing and Computer Vision answers the most frequently asked questions with practical solutions.

Parker uses dozens of real-life examples taken from fields such as robotics, space exploration, forensic analysis, cartography, and medical diagnostics, to clearly describe the latest techniques for morphing, advanced edge detection, wavelets, texture classification, image restoration, symbol recognition, and genetic algorithms, to name just a few. And, best of all, he implements each method covered in C and provides all the source code on the CD.

For the first time, you're rescued from the hours of mind-numbing mathematical calculations it would ordinarily take to program these state-of-the-art image processing capabilities into software. At last, nonmathematicians get all the shortcuts they need for sophisticated image recognition and processing applications.

On the CD-ROM you'll find:

* Complete code for examples in the book

* A gallery of images illustrating the results of advanced techniques

* A free GNU compiler that lets you run source code on any platform

* A system for restoring damaged or blurred images

* A genetic algorithms package

作者介绍:

Calgary大学的教授，写的图像处理算法。

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