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(Frederic Lang)

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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 274 Publisher: 81082. Beijing Jiaotong University Press Pub. Date :2005-7-1. This book presents a variety of image pattern recognition algorithms and programming steps. The book is divided into 10 chapters, including: pattern recognition of the basic concepts, basic knowledge of the bitmap, classifier design, template matching classifier, based on the Bayes classifier probability and statistics, geometry classifier, neural network classifiers, image segmentation and feature extraction, cluster analysis, fuzzy cluster analysis, cluster analysis of genetic algorithms. Book is practical, innovative material selection, including neural networks, fuzzy set theory, genetic algorithms and other new technologies, for each type of pattern recognition technology, the book is divided into theoretical basis, implementation steps, the programming code of three parts, all algorithms are programming with VC, the program structure is simple, the code is simple and easy for beginners to quickly master the pattern recognition technology. This book can serve as institutions of higher learning computer engineering, information engineering, biomedical engineering, intelligent robotics, industrial automation, pattern recognition and other disciplines undergraduate, graduate teaching or teaching reference books, but also for the engineering and technical officers. Contents: Chapter 1, the basic concepts of pattern recognition, pattern recognition, the basic concepts 1.1 1.2 1.3 Figure based image recognition 1.3.1 the basic concepts of digital image file structure 1.3.3 CDib library 1.3.2 BMP establishment Summary Exercises Chapter 2 classification 2.1 Design space optimization design feature classifier design criteria 2.2 2.3 2.4 basic method of classifier design discriminant function classifier selection 2.5 2.6 Summary of training and learning exercises in Chapter 3 3.1 template matching classifier feature class design features of the sample extract 3.3 3.2 The establishment of the training set signature template matching classification Summary 3.4...

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