Abstract

The book presents a collection of algorithms and projects for processing two-dimensional images. The algorithms have been developed and investigated by the author. Special emphasis is placed on computer solutions of problems related with the improvement of the quality of images, with image analysis and recognition of some geometrically definable objects. New data structures useful for image analysis are presented. The description of all algorithms contains examples of source code in the C# programming language. Descriptions of projects contain source codes which can be used by the reader.