The summary of image processing and image analysis as well as the methods of each step.

Diagram

Description automatically generated

The image from both enhancement and restoration can be used in the next step in image processing.

Segmentatie is a critical step in image analysis with some subprocess: Tres Holding, edge processing, region growing, contour filter, template matching. The result of segmentatie has many forms, ones is binary image.

Skeleton is an essential structure of object with form “wire frame”.

**Histogram for gray scale image:**

Import the essential library for plot and image

**Text

Description automatically generated**

Reading image and convert to grayscale image. Imwrite for saving grayscale image. Calculating histogram by calchist with parameters 0,256 (because of gray image)

**Text

Description automatically generated**

Plot the histogram:

**Text

Description automatically generated**

Chart

Description automatically generated with medium confidence

**Stretching image**

Using normalize method and adjust alpha and beta value to stretch the image

A screenshot of a computer

Description automatically generated with medium confidence

