Abstract

Mathematical morphological (MM) operations play a vital role in image processing and in enhancing the region of shape. Especially the application of basic morphological operations is used in enhancing the image quality.

This paper describes an experiment with morphological operations for reducing the salt-and-pepper noise from the images of bacteria. The quality of enhanced images is measured based on image quality assessment operations. Experiment's results are given in comparison with various 2D-flat Structuring Element(SE).

References


Index Terms

Computer Science

Image Processing
Keywords

Mathematical morphology, Structuring element, Lactococcus.