

Training Workshop on Machine Vision (Image Processing Fundamentals)

Activity 13 – Segmentation using simple thresholding, Otsu's binarization and adaptive thresholding (mean and Gaussian)

Learning outcome: Understand the effect of various segmentation methods by thresholding on output image.

Task: Figure below shows the image of a leadframe having non-uniform illumination. Segment the image using the following thresholding methods:

- a) Simple thresholding using threshold value of 127
- b) Otsu's binarization method
- c) Adaptive mean thresholding
- d) Adaptive Gaussian thresholding.

Adjust the size of threshold window in the adaptive thresholding methods to obtain the best result.

