

Lab 3 - Optical Character Recognition

Install an OCR library ([Tesseract](#), for example) and test its limitations:

1. Add different amounts of noise and different types of noise to the image to be processed;
2. Apply affine transformations: rotations, shear (vertical, horizontal), ...;
3. Resize the image;
4. Blur the image with average filters of different sizes.

Evaluate the results computing the number of well recognized words.

Use image enhancement preprocessing techniques: image sharpening, morphological operations, thresholding techniques. Does preprocessing help?

Examples of images to analyze are [here](#).