Abstract

In this paper we propose a method of document image binarization that performs well on
Contrast Enhanced Niblack Binarization of Document Images

grayscale images with complex backgrounds, maintains good text extraction abilities and retains the
graphic features that might be present in the image. The proposed method employs
a coarse thresholding step that uses a contrast feature for classification of pixels into foreground
and background followed by Niblack thresholding for finer classification of the pixels. The
proposed method was found to perform better or at-par with four other popular thresholding
methods that it was compared against.

References

- B. Gatos, I. Pratikakis, and S. J. Perantonis, "Improved document image
Contrast Enhanced Niblack Binarization of Document Images

- Bitbucket URL: http://bit.ly/1Hi9H1

**Index Terms**

Computer Science  Image Processing

**Keywords**

Document Image Processing  Binarization  Niblack Thresholding