Abstract

In this paper we propose a method of document image binarization that performs well on
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