Abstract

Extracting a block of interest referred to as segmenting a specified block in an image and studying its characteristics is of general research interest, and could be a challenging if such a segmentation task has to be carried out directly in a compressed image. This is the objective of the present research work. The proposal is to evolve a method which would segment and extract a specified block, and carry out its characterization without decompressing a compressed image, for two major reasons that most of the image archives contain images in compressed format and decompressing; an image indents additional computing time and space. Specifically in this research work, the proposal is to work on run-length compressed document images.

References

- Sheraz Ahmed, Muhammad Imran Malik, Marcus Liwicki, and Andreas Dengel. Signature segmentation from document images. International Conference on Frontiers in

- Cartic Ramakrishnan, Abhishek Patnia, Eduard Hovy, and Gully APC Burns. Layout-aware text extraction from fulltext pdf of scientific articles. Source Code for Biology and
Direct Processing of Run-Length Compressed Document Image for Segmentation and Characterization of

Medicine, 7:7, 2012.

Index Terms

Computer Science Image Processing

Keywords

Compressed data Document Block Extraction Document Characterization
Entropy Density

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