Analytical Adjustment of Image Contrast

Abstract

Detailed analysis based on histogram stretching for image contrast adjustment has been performed. However unprocessed image includes unwanted noise which needs to be reduced for performing the stretching accurately. The level of noise reduction greatly affects the contrast adjustment and varies from images to images depending on the intensity of noise itself. This paper discusses about image contrast adjustment technique along with the algorithm. Results are analyzed corresponding to images of different quality based on histogram stretching considering different level for the noise reduction.

References

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Index Terms

Computer Science  Image Processing

Keywords

Intensity histogram  Underwater image  Medical image  Contrast adjustment