Abstract

This paper has discuss the various techniques for image enhancement i.e histogram equalization, Brightness preserving bi-histogram equalization(BBHE), Dualistic Sub-Image Histogram Equalization (DSIHE), Minimum Mean Brightness Error Bi-HE Method (MBEBHE), Recursive Mean –Separate HE Method (RMSHE), Mean brightness preserving histogram equalization(MBPHE). As well as it represents the comparison between the various techniques that shows the image enhances the overall contrast and visibility of local details. The review has shown that contrast enhancement approach based on dominant brightness level analysis and adaptive intensity transformation for remote sensing images.

References

2. Yeong-Taeg Kim , “Contrast Enhancement using Brightness Preserving Bi- Histogram

3. Y. Wang, Q. Chen, and B. Zhang, “Image enhancement based on equal area dualistic

4. S.-D. Chen and A. Ramli, “Minimum mean brightness error Bi-Histogram equalization in
contrast enhancement," IEEE Trans. on Consumer Electronics, vol. 49, no. 4, pp. 1310-1319,
Nov. 2003

5. 2007.

enhancement of medical x-ray images. In Bioinformatics and Biomedical Engineering,(iCBBE)
2011 5th International Conference on (pp. 1-5). IEEE.

contrast enhancement using adaptive, iterative histogram matching. In 2011 7th Iranian
Conference on Machine Vision and Image Processing (pp. 1-5). IEEE.

bilateral tone adjustment and saliency weighted contrast enhancement. IEEE Transactions on

noise-induced contrast enhancement of dark images. In 2012 19th IEEE International
Conference on Image Processing (pp. 973-976). IEEE.

enhancement of dark images using non-dynamic stochastic resonance. In Communications
(NCC), 2012 National Conference on (pp. 1-5). IEEE.

dominant brightness level analysis and adaptive intensity transformation for remote sensing


prior and contrast enhancement. In 2013 IEEE International Conference on Acoustics, Speech
and Signal Processing (pp. 2484-2487). IEEE.

16, pp.376-378

of IR Image. In Information Technology and Applications (ITA), 2013 International Conference
on (pp. 58-62). IEEE.

method based on stochastic resonance." In 2013 Fourth International Conference on


Index Terms

Computer Science    Image Processing
Keywords

Image enhancement, different techniques of image enhancement HE, BBHE, DSIHE, MMBEBHE, RMSHE, MBPHE and Comparison table