Abstract

Image contrast enhancement techniques can be used in various image processing applications. There are various image contrast enhancement techniques available. It depends on the particular type of image, which technique will prove better. Histogram equalization is one of the best techniques that can be used for contrast enhancement. Different variations of histogram equalization like Adaptive Histogram Equalization, Contrast Limited Adaptive Histogram equalization, Multiscale Adaptive Histogram Equalization, Dynamic Histogram Equalization, Partially overlapped sub-block Histogram Equalization, etc. can also be used. All these techniques mentioned prove good for a particular type of image, but they are not generalized methods which can be used for a broad variety of images. A new method of contrast enhancement called as Gray level grouping (GLG) is suggested in this paper. GLG is a generalized method and can be used satisfactorily for a broad variety of images. A variation of
GLG, i. e. Adaptive Gray Level grouping (AGLG) is also discussed. [4]  

References

- Rekha Lakshmanan1, Madhu S. Nair2, M. Wilscy3 and Rao Tatavarti4, Automatic Contrast Enhancement for Low Contrast Images: A Comparison of Recent Histogram Based Techniques, International Conference on Computer Science and Information Technology 2008

Index Terms

Computer Science  
Image Processing
Keywords
Gray Level Grouping (glg)  Ahe  Mahe  Clahe  Dhe  Poshe  Low Contrast Images
Bins.