Abstract

Since local contrast enhancement is not sufficient for a detailed visibility of an image, global enhancement also cannot be neglected. Among the global contrast enhancement methods, the automatic enhancement method like Global Histogram Equalization is not always desirable to utilize it for some images that some portions are overexposure and some portions are underexposure and no user's choice is available. And for other global enhancement methods, when the number of user defined parameters are more, more number of different choices are available and the enhancement level can be adjusted more accurately. However, the user's convenience is less when more number of user defined parameters. For the sake of user's convenience, the semi-automatic contrast enhancement method using single user defined parameter works better for some images.
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Index Terms

Computer Science

Image Processing
Keywords
Global Contrast Enhancement   Semi-Automatic   Single Parameter Control