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IMAGE ENHANCEMENT TECHNIQUES: A SELECTED REVIEW

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Abstract

Image enhancement is one of the key issues in high quality pictures such as digital cameras. Since image clarity is very easily affected by lighting, weather, or equipment that has been used to capture the image. These conditions lead to image may suffer from loss of information. The main purpose of image enhancement is to bring out detail that is hidden in an image or to increase contrast in a low contrast image. It provides a multitude of choices for improving the visual quality of images. That's why it is used in a huge number of applications with important challenges such as noise reduction, degradations, blurring etc. This paper presents a literature review on some of the image Enhancement techniques for enhancing images like Contrast Stretching, Fuzzy grayscale enhancement, Fusion based approach on MSRCR, A hybrid algorithm for spatial and frequency domain etc. Comparison of all the techniques concludes the better approach for its future research.

Keywords and phrases: image enhancement, fuzzy grayscale enhancement, RETINEX, spatial and frequency domain.