

153. A GENERALIZED EQUALIZATION MODEL FOR CONTRAST OF LOCAL IMAGE ENHANCEMENT

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In digital image processing, images play a vital role. In this paper, a generalized equalization model for the local image enhancement has been proposed. The night mode images or videos which has to be enhanced is taken. FFT algorithm is applied to it in which the corner values will remain same, all others appended to zeros, which increases the brightness. Bilog transformation is used to reduce the over brightness. Restoration factor is used to combine the red, green and blue panels of the image which then provides the NTSC color space which is enhanced.

Index terms-Local image enhancement, FFT, Bilog transformation, NTSC color space.

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