

WHY SSIM? - A FULL REFERENCE IMAGE QUALITY ASSESSMENT

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ABSTRACT

Digital image processing and image quality improvement techniques are involved during image transmission and restoration process. Image received is not perfect in quality. Hence, analysis of image is done using full reference IQA, where distorted and original image both are present. One of the method to extract structural information from distorted image using SSIM which is more practical approach over traditional IQA methods explain here.

KEYWORDS: Human Visual System Model (HVS), Image Quality Assessment (IQA), Mean Square Error (MSE), Structural Similarity Index (SSIM)