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(57) Abstract :
Picture Wise Just Noticeable Difference (PW-JND) is used to analyze the difference in the picture that system and human cant identified directly. Image compression is one of the techniques used to reduce the size of the images in terms of bytes and try to maintain the quality of the image. Image distortion is a technique that can change or twist the straight lines present in the image. This technique will add the noise to the input image. Some models are trying to beat the image by recognizing the objects in the image. So the distortions are used overcome the JND in the image. PJND provides the binary calculation to measure the cognitive differences among a given input pair, and this is useful for quality prediction. Distortions do not blur the image and, therefore can be corrected digitally. This paper mainly focused on selecting the distorted images and finding the JND with the original image. In this paper, the Enhanced PW-JND is introduced to find the JND among the input images and matches the original image with other images. This system is integrated with HLD, VLD and TLD with D-CNN. The performance of the proposed approach shows comparative results. [Figure 1]

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