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by

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**CANDIDATE’S DECLARATION**

It is hereby declared that the contents of this project is original and any part of it has not been submitted elsewhere for the award if any degree or diploma.

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**Abstract**

In the DCT compressed scheme, to achieve more compression ratio, images are coarsely quantized. So, in case low bit rate, block boundaries become visible in the reconstructed image which degrades the visual quality of the image is known as blocking artifact. Various pre-processing and post-processing methods to remove the blocking artifacts are proposed by different authors. Here, we represent a new de-blocking method that combines the improved Canny edge detection and adaptive filtering technique. The method is compared to other methods for numerous image samples for varying quality factors. It achieves satisfactory result in objective and subjective measurements.

**Keywords:** Blocking artifact, Canny Edge Detection, De-blocking, Adaptive filtering.

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# Appendix A

Place your source code here (if needed)