

TO STUDY THE WATERMARKING ALGORITHMS TO IMPLEMENT A SYSTEM TO REMOVE VISIBLE WATERMARKING IN A DIGITAL IMAGE

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ABSTRACT

The aim of this project is to develop a watermark removal system. The research showed that there was difficult to remove a watermark without existing embedded algorithm, especially the invisible watermark image. For the visible watermark image, the author tried to use the filtering method to remove the watermark, but it still cannot be totally removed. It was filtered until cannot be distinguished by human eyesight.

The system consists of the implementation of the digital imaging technology for remove the visible watermark, focusing on the ways to enhance and refining the algorithm to remove the watermark and did not influence source image. This system will involve many mathematical calculations such as distinguish the RGB value since images themselves are made up of pixels, which are also coordinates system. To make enhancements to them needs provide a dynamic filtering kernel. For example, filter by 3x3 kernels, 5x5 kernels and so on. This system allows the user to zoom, select filter area, and other else.