Abstract

Inpainting also known as retouching is the process by which we try to fill in the damaged or missing portions of an image in such a way that it is unable for the person seeing the image to find the fault within the image. Digital Image Inpainting, a relatively young research area is an art of filling in the missing or corrupted regions in an image using information from the neighboring pixels in a visually plausible manner, while restoring its unity. It is helpfully used for object removal in digital photographs, image reconstruction, text removal, video restoration, special effects in movie discussions and so on. There are numbers of method used for image inpainting. All methods have their own advantage and disadvantages. This paper presents a comparative study and review of different image in painting techniques. The algorithms are analyzed theoretically as well as experimentally.

- Jiunn-Lin Wu and Yi-Ying Chou Department of Computer Science and Engineering National Chung Hsing University, Taichung, 402 Taiwan; An Effective Content-Aware Image Inpainting Method;, Journal of information science and engineering 28, 755-770 (2012).

**Index Terms**

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