Abstract

Image Inpainting is a technique in which mainly used to filling the region which are damaged and want to recover from unwanted object by collecting the information from the neighbouring pixels. Image inpainting technique has been widely used for reconstructing damaged old photographs and removing unwanted objects from images. In this paper, we present an improved robust algorithm for exemplar based inpainting method by modifying the distance function. The method proved to be effective in removing large objects from an image, ensuring accurate propagation of linear structures, and eliminating the drawback of "garbage growing"; which is a common problem in other methods. Experimental results show that our method improves the quality of image inpainting compared with the conventional exemplar-based image completion algorithms.

References

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Improved Robust Algorithm for Exemplar based Image Inpainting

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Index Terms

Computer Science
Algorithms
Improved Robust Algorithm for Exemplar based Image Inpainting

**Keywords**

Exemplar  Texture Synthesis  Inpainting  PDE  image gradient etc.