Abstract

This paper discusses an inpainting scheme for gray scale images. The scheme uses modified cell growth technique by which the damaged pixels are identified and then reconstructed by the mean of selected undamaged neighbor pixels. The canny edge detector is employed in the proposed scheme for finding the damaged neighbors for reconstruction. Thereby, the proposed scheme able to achieve the best PSNR. It is experimentally found that the proposed scheme provide best PSNR compared with well known existing filters Wiener, Median, Frost and Lee.

References

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**Index Terms**

Computer Science

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**Keywords**

Crack detection  canny edge detection  pixel point detection  modified cell growth