Abstract

Super resolution is the process of increasing the spatial resolution of an image by exploiting additional sub pixel information from frames of input image sequences. Proposed method focuses on multi frame, spatial domain and reconstruction based super resolution techniques, namely, non uniform interpolation and iterated back projection. The performances of these two methods are improved by the addition of a restoration technique using improved Wiener restoration. Visual appearance of the image is further increased by iterative median filter that sharpens the edges. Results of the two methods are compared using a quality metric, peak signal to noise ratio (PSNR).

References


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Image Super-resolution with Improved Wiener Restoration and Simultaneous Edge Enhancement


Index Terms

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Keywords

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