Abstract

Image denoising is the fascinating research area among researchers due to applications of the images in everywhere, social networking sites, High Definition videos and stills. The need of it is to enhance the facility to imaging devices and the processing devices for denoising and enhancement of images. In this paper, Total Variation (TV) regularization is used to allow for accurate registration near such boundaries. We propose a novel formulation of TV-regularization for parametric displacement fields and Masking Filter to enhance or denoising of images. The proposed methodology's performance are usually compared in terms of peak-signal-to-noise ratio (PSNR). These are simply mathematically defined image metrics that take care of noise power level in the whole image.

References

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Index Terms

Computer Science  Information Sciences
Keywords

PSNR, Image Denoising, TV, Masking Filter.