



RESEARCH ARTICLE

Real-Time Iterated Shrinkage Deconvolution for Artifacts Images

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Abstract— we propose a solution to the problem of boundary artifacts appearing in several recently published fast deblurring algorithms based on iterated shrinkage thresholding in a sparse domain and Fourier domain deconvolution. Our approach adapts an idea proposed by Reeves for deconvolution by the Wiener filter. The time of computation is less than doubles.

Keywords: - Deblurring; deconvolution; image processing; image restoration; iterated shrinkage thresholding; primal-dual methods; sparsity; Wiener filter

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