AN IMPLEMENTATION OF PRIMAL DUAL ACTIVE SET FOR NON NEGATIVITY TOTAL VARIATION ON DEBLURRING PROBLEM

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ABSTRACT

Image Restoration goal is to improve the degraded image into an image that resembles the original image. Total Variation (TV) minimization is used for deblurring problems with non-negativity constraint. The addition of the non-negativity constraint makes the solution process difficult.

Primal dual active set method is an iterative method that can be used to find optimal solutions. Results obtained from this method is the number of iterations and time required to obtain optimal results in degraded image.

Keyword: deblurring, total variation, non negativity, primal dual active set