

Analysis of Inpainting via Clustered Sparsity

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Abstract

The human visual system has an amazing ability to fill in the missing parts of images, but automating this process is not trivial. Nowadays, the term "Inpainting" is widely used to describe the process of repairing damaged painting, recovering missing data in videos and Images...One very common approach to inpainting is using variational methods. Compressed sensing by l_1 minimization or thresholding has also been very effectively applied to this problem.

In this talk, I will give an analysis for data problems utilizing the novel concept of clustered sparsity using l_1 minimization or thresholding as recovery schemes.