

# A COMPARISON OF SMOOTHING PARAMETER CHOICES IN IMAGE RESTORATION

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## ABSTRACT

We discuss the choice of smoothing parameter for the problem of restoring two-dimensional pixellated images which have been degraded by blur and noise. Some asymptotic comparisons are presented and discussed. The methods are applied to a number of test images.

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*Key words:* Image Restoration; Deconvolution; Noise-Removal; Regularization; Optimal Smoothing; Singular-Value Decomposition.