

Mathematical Problems In Image Processing Partial

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Recovering an image from a noisy and blurry image is an inverse problem which is possible to be solved via variational methods, using total variation regularization, e.g., cf. [21,7,8, 1,...

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mathematical and engineering problems connected with image processing in general and medical imaging in particular. These include image smoothing, registration, and segmentation (see Sections 5.1, 5.2, and 5.3). We show how geometric partial differential equations and variational methods may be used to address some of these