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Recovering an image from a noisy and blurry image is an inverse problem

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which is possible to be solved via variational methods, using total variation regularization, e.g., cf. [21,7,8, 1,...

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Mathematics in image processing

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equalisation. Find the transfer function  $y = g(r)$  which goes from  $p_r(r) = 2 \cdot 2r$  and a flat pixel distribution  $p_y(y) = \text{constant}$ . From the theory of histogram equalisation the required transfer transformation function

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Mathematical Problems in Image Processing book. Read reviews from world's largest community for readers. Partial differential equations and



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mathematical and engineering problems connected with image processing in general and medical imaging in particular. These include

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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

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