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**Variational method with two adaptive regularization parameters and its application in noisy image restoration.** (Chinese. English summary) [Zbl 1085.68733](#)

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Summary: In noise removal by the approach of regularization, the regularization parameter is global. A variational model with two adaptive regularization parameters according to the different orientations constructed through the characters of different kinds of pixel in a noisy image, is presented for adaptively noisy image restoration. Moreover, a discrete scheme is constructed for a digital image through partial differential equation, which facilitates the computation effectively.

**MSC:**

**68U10** Computing methodologies for image processing

**Keywords:**

variational model; discrete iteration