

## Accepted Manuscript

Self-adapting weighted operators for multiscale gradient fusion

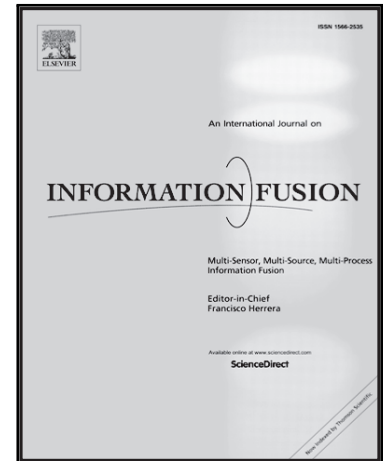
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**Highlights**

- We study the problem of vector fusion in the context of image gradient fusion.
- We present two classes of weighted operators for multiscale gradient fusion.
- We introduce a multiscale method for image segmentation and boundary detection.
- We test, quantitatively, the performance of such method in a popular dataset.

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