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Ultrasound Image Segmentation Using A Novel Multi-Scale Gaussian Kernel Fuzzy Clustering and Multi-Scale Vector Field Convolution

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Highlights

- A novel MsGKFCM clustering technique is proposed.
- For boundary detection MsVFC technique is used.
- The methods are evaluated using JI, DS, HD, AD, Accuracy and F-measure.
- Performed one-way ANOVA test to statistically assess the superiority of the method.
- The Proposed method outperforms among state of art methods in breast US datasets.

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