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Mammographic mass segmentation using fuzzy contours

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Highlights

- An automatic system for mass segmentation in regions of interest extracted from mammograms.
- Fuzzy contours formalism allow dealing with imprecision inherent to contour localization.
- Introducing fuzzy contours as a constraint which restrains the evolution of the Chan-Vese model in order to properly extract the accurate mass contour.
- Reducing false positives caused by inhomogeneity in region of interest tissue.
- The proposed method provides an accurate and reliable results compared to ground truth images and previous work.

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