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Automatic Breast Ultrasound Image Segmentation: A Survey

Min Xian , Yingtao Zhang , H.D. Cheng , Fei Xu , Boyu Zhang , Jianrui Ding

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#### ACCEPTED MANUSCRIPT

### Highlights

- Summarize the four fundamental issues in BUS image segmentation;
- Study the basic ideas, theories, pros and cons of BUS image segmentation approaches, group them into categories, and extensively review each category in depth by discussing the principles, application issues, and advantages/disadvantages;

• Discuss the four major directions of BUS image segmentation.

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