Abstract

Mammograms are the soft X-rays kind of imaging technique used for the detection of any lesions or cysts in breasts. Digital mammograms have many kinds of artifacts that affect the accuracy of the detection of tumor tissues in the automated Computer Aided Detection (CAD) system for mammograms. Preprocessing helps to remove such artifacts is an important step. Image preprocessing is used to maintain image efficiency in mammogram images there are many artifacts need to be removed like labels, patient name, muscle part, etc. and enhance the region of interest which helps for efficient segmentation and detection of tumor. The basic objective of this study is to evaluate and discuss different techniques and approaches proposed in order to enhance the breast cancer images and an efficient preprocessing technique for
mammography. It aims to find the existing preprocessing techniques for mammography images and discuss the techniques used and their advantages.

References

A Review on Preprocessing Techniques for Digital Mammography Images


- Jwad Nagi, &quot;Automated Breast Profile Segmentation for ROI Detection Using Digital Mammograms,&quot; IEEE EMBS Conference on Biomedical Engineering & Sciences (IECBES), pp. 87 - 92, 2010


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**Index Terms**

Computer Science Image Processing

**Keywords**

Breast Cancer Preprocessing Active Contour Seeded Region Grow Contrast Enhancement

Morphology

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And Region Of Interest (roi).