Abstract

The images segmentation is a very important step for the area of image analysis and has the objective of separating regions of an image according to the objects represented in it. However, this is a challenging step in image processing area, since most traditional segmentation techniques have a high computational cost, which difficult their application in high resolution images. Based in this context, this paper proposes the use of the superpixels extraction technique, known as Speeded-up Turbo Pixels, to segment high resolution mammographic images with satisfactory processing time.

References

13(1), pp. 3-16.


Index Terms

Computer Science

Image Processing

Keywords

Image Segmentation, Superpixel, Mammographic Image, Medical Image Processing, Heath Informatics.