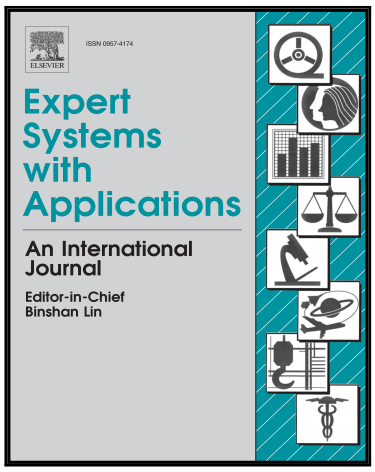
Accepted Manuscript



Detection of masses in mammograms with adaption to breast density using genetic algorithm, phylogenetic trees, LBP and SVM

Wener Borges de Sampaio, Aristófanes Corrêa Silva,
Anselmo Cardoso de Paiva, Marcelo Gattass

PII: S0957-4174(15)00506-0
DOI: 10.1016/j.eswa.2015.07.046
Reference: ESWA 10181

To appear in: *Expert Systems With Applications*

Received date: 23 August 2014
Revised date: 2 July 2015
Accepted date: 22 July 2015

Please cite this article as: Wener Borges de Sampaio, Aristófanes Corrêa Silva, Anselmo Cardoso de Paiva, Marcelo Gattass, Detection of masses in mammograms with adaption to breast density using genetic algorithm, phylogenetic trees, LBP and SVM, *Expert Systems With Applications* (2015), doi: 10.1016/j.eswa.2015.07.046

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Segmentation of the breast separates the skin and the background of the image is kept, with a good performance.
- High performance at the detection of the density of the breast.
- Efficient texture description method, based on the combination of Phylogenetic Trees, LBP and analysis in sub-regions.
- Adjustment of parameters according to the density classification of the breast.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/10321800

Download Persian Version:

https://daneshyari.com/article/10321800

Daneshyari.com