

Martí, J.; Planiol, P.; Freixenet, J.; Español, J.; Golobardes, E.

Development of a mammographic analysis system using computer vision techniques. (English) [[Zbl 1030.68773](#)]

Crespo, José (ed.) et al., Medical data analysis. 2nd international symposium, ISMDA 2001, Madrid, Spain, October 8-9, 2001. Proceedings. Berlin: Springer. Lect. Notes Comput. Sci. 2199, 174-180 (2001).

Summary: This work presents an application intended to work as a second reader in Radiology Services for digital mammograms, which makes use of several Computer Vision algorithms. Although the presented prototype basically focuses on the detection and the characterization of microcalcifications, the system has the capability to grow up by adding new abnormalities (e.g. masses) or new classification patterns. Experimental results of the system's performance have been obtained through digital mammograms of the Regional Health Area of Girona.

For the entire collection see [[Zbl 0979.68604](#)].

MSC:

- [68U99](#) Computing methodologies and applications
- [92C55](#) Biomedical imaging and signal processing
- [68T45](#) Machine vision and scene understanding
- [68T05](#) Learning and adaptive systems in artificial intelligence

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