

Sławomir Świrydowicz

Department of Physics and Biophysics, Medical University of Gdańsk

E-mail: swiryd@gumed.edu.pl

Michał Wiktor

Department of Radiological Informatics and Statistics

Medical University of Gdańsk

E-mail: mwikt@gumed.edu.pl

Increase the diagnostic efficiency of mammographic images by appropriate coloring of mammograms

Mammography is the basic technique for breast cancer screening. Unfortunately high percent of mammography readings are false. There is urgent need to improve the accuracy of this tool. One of the mammography improving method is computer aided detection (CAD), mathematical procedure that help radiologist in the interpretation of medical images. Classical mammograms are grayscale images. We propose an appropriate coloring of mammograms. The algorithms of colouring of mammograms was described and the results of this process was shown.