ABSTRACT

Melanoma is the deadliest type of skin cancer worldwide. However, skin cancer is one of the easiest cancers to cure because it is located on the outside of the body and if it can be detected early, the disease can be treated more effectively. There are several classification methods used for early detection of skin cancer such as SVM, KNN and CNN. In this case, this journal shows a method to detect melanoma skin cancer using derivative of gaussian (DOG) and convolutional neural network (CNN). There will be 5 test scenarios to find out how the performance of what the journal proposes, one of these scenarios use gaussian filter.

Keywords: CNN, DOG, Skin Cancer, Scenario, Gaussian filter