Abstract

Robotics is one of the research areas in the computer age. So, to make robots as capable as humans, to allow them to interact with the real environment, so many algorithms are developed and will be developed. Some of those algorithms are developed in the area of computer vision to allow the robots for accurate recognition. In all those algorithms, feature extraction technique is most important part of the algorithm. As the features are robust to different affine transformations like translation, scale, rotation, flipped, etc., the algorithm will be more robust to those transformations. So, feature extraction techniques are one of the important parts of the image retrieval systems. Some of those feature extraction techniques, with their invariance properties, are discussed here for the image retrieval system.

References


**Index Terms**

Computer Science Image Processing

**Keywords**

feature extraction, object recognition, shape, shape descriptor, survey