Abstract

Robotics is one of the research areas in computer age. So, to make the robots as capable as humans, to allow them to interact with 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 part 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