

Hand shape classification using Shape Context

Phung Thi Thu Ha

Abstract: This topic focuses on applying the Shape Context method to hand shape classification, aiming to meet the need for accurately recognizing and classifying hand shapes from multiple viewpoints. Through a combination of theory and experimentation, the topic thoroughly investigates the effectiveness of Shape Context in processing image data and builds a highly automated system to support applications such as user identification, intelligent machine control, and network security. The expected results of this topic will affirm the important role of the Shape Context method in the fields of image processing and machine learning, while contributing to the advancement of cutting-edge technology.

Keywords: Shape Context, Hand Shape Classification, Image Processing