SHAPE MATCHING

Shape matching is a correspondence problem: for each point on the first shape, we want to find the “best” matching point on the second shape. This matching can be efficiently performed by using shape context.

Similarity Graph

Using the shape matching procedure, we introduce different shape distances that we combine optimally in a single similarity measure. This allows us to represent the shapes/words on a similarity graph.

Accuracy of the transcription

We perform a clustering analysis on the similarity graph using the k-nearest neighbors methodology. We create an uncertainty measure to prevent from misclassification.

REFERENCES