

This diploma thesis deals with comparison of different methods for handwritten character recognition. A goal is analysis of this problem, comparison of several pattern classification methods and methods for feature extraction. In details there are discussed three algorithms for data clustering. These algorithms are following: k-means clustering, k-neighbors algorithm and algorithm of iterative optimization. Another three algorithms are using neural networks. These are algorithm of competition learning, back propagation algorithm and Kohonen selforganising maps. These methods are tested and compared according to percentage of correctly recognized characters. A summary of our own results is included.