

The present work explains the basic principles of automatic summarization, evaluation and fundamental concepts, which are used in this field. It also includes a description of a system for automatic text summarization and evaluation - CSummaK (Czech Summarization Kit). As part of this system are basic algorithms for creating sentence extract summaries (Cenroid, Lead, Position, Random, Relevance Measure, etc.) their evaluation (Precision, Recall, FMeasure, etc.), whose description is also part of this work. This system was used for production of automatic extracts from news articles. Another system was developed for obtaining reference extracts, which allows users to create on-line extracts from news articles. In this work is also evaluated quality of single algorithms, their combination with of different parameters, together with discussion of the possibilities of practical application.