Abstract

Petr Homola and Vladislav Kuboň. Exploiting Charts in the MT Between Related Languages

The paper describes in detail the exploitation of chart-based methods and data structures in a simple system for the machine translation between related languages. The multigraphs used for the representation of ambiguous partial results in various stages of the processing as well as a shallow syntactic chart parser enable a modification of a simplistic and straightforward architecture developed ten years ago for MT experiments between Slavic languages. The number of translation variants provided by the system inspired an addition of a stochastic ranker whose aim is to select the best translations according to a target language model.