

CISLEX

An Electronic Dictionary for German

Its Structure and a Lexicographic

Application

(Abstract)

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The paper has been published in the Proceedings of COMPLEX '96, Budapest. The full text of the paper is also available as CIS-Report 96-7.

This paper presents the German electronic dictionary CISLEX and some of its applications. First, it gives a short outline over general requirements for electronic dictionaries, namely completeness, correctness and portability, and shows how the CISLEX meets these requirements. We then describe the size of the lexicon and the kinds of information included. In the next paragraph we describe how the lexicon of full forms can be used by a sentence-oriented lemmatizer for efficient lemmatization of German texts, including segmentation of compounds. Our approach to the semantic classification for nouns in CISLEX is then discussed in more detail and compared to some other approaches, such as, for example, WordNet. We show that the encoding is suitable for a variety of applications. The NP-grammar outlined in the last paragraph finally demonstrates the application of all information included in the lexicon to achieve a semi-automatic extraction of subcategorization frames.

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