

plWordNet 3.0 emo and WordNetLoom editor

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Abstract

Keywords: bilingual wordnet, mapping, emotive annotation, emotive lexicon, wordnet editor

We present plWordNet 3.0 emo and WordNet Loom wordnet editor used for its construction and editing. plWordNet 3.0 emo is a large wordnet of Polish built by means of a unique, corpus-based method in which a large corpus serves as the primary source of lexico-semantic data. Its most characteristic features are a unique definition of synset, a rich network of lexico-semantic relations, extensive manual mapping onto Princeton WordNet 3.1, sentiment and emotion annotations, and a large set of multi-word expressions. Part of plWordNet 3.0 emo is enWordNet 1.0, a substantially enlarged copy of WordNet 3.1, with material added to allow for a more complete mapping. Recently plWordNet 3.0 emo has also served as a basis for a large emotive lexicon of Polish (constructed by manual expansion of the emotive annotation defined for plWordNet). The annotation encompasses: sentiment polarity described on a six value scale (from *strong negative* to *strong positive*, including

neutral and *ambiguous*), basic emotions as defined by Plutchik (1980) and fundamental human values as defined by Puzynina (1992). Statistics for the contemporary state of the development of plWordNet 3.0 emo are also given.

We will also show a re-built and expanded, new version of the open WordnetLoom 2.0 which is a multilingual wordnet editing system focused on graph-based presentation. It facilitates work on a multilingual system of wordnets, is based on efficient software architecture of thin client, and offers more flexibility in enriching wordnet representation.

References

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