



REVIEW ON WORDNET-BASED ONTOLOGY CONSTRUCTION IN CHINA

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Abstract-The problem of WordNet-based ontology construction was widely investigated and many effective methods have been proposed in China. The utilizations of the hierarchy structure of WordNet, the digraph structure of WordNet and auxiliary resources are main measures in the methods. Usually, the methods are facing three fundamental difficulties, the computation of semantic similarity, the construction of core ontology and the development of auxiliary resources. Through our reviews of previous researches, we find several inadequacies such as low utilization ratio of WordNet and the lack of standardized evaluation and give some suggestions for future works.

Index terms: Ontology construction, WordNet, semantics similarity, core ontology, auxiliary resource.