

Ontology Modification Using Ontological-Semantic Rules

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Abstract— In this work we consider different types of semantic dictionaries and describe the problems of their construction. We also describe the ontological-semantic rules proposed for ontology modification. We provide examples of such rules and describe the process to generate them. The software implementation of ontology modification using ontological-semantic rules is employed as a component of a question answering system integrated with the ontology.

Keyword— ontology modification, semantic analyzer, basic ontological-semantic rules.



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