

Formalizing the Sense Relation of Hyponymy from Logical Point of View: A Study of Mathematical Linguistics in Farsi

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Abstract : The present research tries to study the possibility of formalizing the sense relation of hyponymy. It applied mathematical tools and also uses mathematical logic concepts especially those from propositional logic. In order to do so, firstly, it goes over the definitions of hyponymy presented in linguistic dictionaries and semantic textbooks. Then, it introduces a formal translation of the sense relation of hyponymy. Lastly, it examines the efficiency of the suggested formula by some examples of natural language.

Keywords : sense relations, hyponymy, formalizing, words' sense relation, formalizing sense relations

Conference Title : ICALLP 2017 : International Conference on Applied Linguistics and Language Practice

Conference Location : Vancouver, Canada

Conference Dates : August 07-08, 2017