



CONCEPTUAL GRAPHS AND FUZZY LOGIC A FUSION FOR REPRESENTING AND REASONING WITH LINGUISTIC INFORMATION



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PDF. About this book. Introduction. ... First, it is about fuzzy conceptual graphs and their logic programming foundations, as a graph-based order-sorted fuzzy set logic programming language for automated reasoning with fuzzy object attributes and types. Second, it extends conceptual graphs with general quantifiers and develops direct reasoning ...

Conceptual Graphs and Fuzzy Logic | SpringerLink

Ontology Mapping Using Fuzzy Conceptual Graphs and Rules ... fuzzy conceptual graph base and the reference ontology into a conceptual graph rule base. Finally, rules are applied into the fact base in order to ... We have chosen the Conceptual Graph (CG) model as formalized in [1] in order

Ontology Mapping Using Fuzzy Conceptual Graphs and Rules

218 A Conceptual Graph Based Approach for Mappings among Multiple Fuzzy Ontologies fuzzy description logic and the model of fuzzy ontology, relative little literatures about fuzzy ontology mapping have been carried out, such as [23], [22] and [1].

A CONCEPTUAL GRAPH BASED APPROACH FOR MAPPINGS AMONG

Ontology Mapping Using Fuzzy Conceptual Graphs and Rules. Conference Paper (PDF Available) ... using fuzzy conceptual graphs to infer relationships between instances, and ...

(PDF) Ontology Mapping Using Fuzzy Conceptual Graphs and

This has resulted in fusion of knowledge representations and fuzzy set theory for representation of imprecise knowledge, e.g., Fuzzy Production Rules [2,4], Fuzzy Petri Nets [3,8], Fuzzy Semantic Networks [11], Fuzzy Frames [6], Fuzzy Conceptual Graphs [9].

Fuzzy conceptual graphs - Springer

Logical Interpretation of Fuzzy Conceptual Graphs ... comparisons between fuzzy conceptual graphs. 1. Introduction Our research takes place in the framework of a national ... conceptual graphs, and the specialization relation, have a logical interpretation in first-order logic.

Logical Interpretation of Fuzzy Conceptual Graphs

Flexible querying of fuzzy RDF annotations using fuzzy conceptual graphs Patrice Buchea, Juliette Dibia-Barthélemy, ... fuzzy conceptual graphs and using an “approximate”-projection operation in order to compare fuzzy query graphs with fuzzy annotation graphs. The fuzzy sets in the query graphs having a semantic of prefer-

Flexible querying of fuzzy RDF annotations using fuzzy

The other fuzzy ontologies in the domain are Source Ontologies. Then, these fuzzy ontologies are transformed into conceptual graph sets (i.e. R-set and S-sets). Next, some algorithms are presented to create mappings among conceptual graph sets. Finally, the obtained mappings are transformed into the mappings among fuzzy ontologies.

A Conceptual Graph Based Approach for Mappings among

This paper presents a flexible querying system of fuzzy RDF annotations which consists in translating fuzzy RDF annotations into fuzzy conceptual graphs and using an “approximate”-projection operation in order to compare fuzzy query graphs with fuzzy annotation graphs.

Flexible Querying of Fuzzy RDF Annotations Using Fuzzy



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