Pelletheart

A prototype of a hybrid rule reasoner for ontologies.

Description

Integrating classic forward chaining rule reasoning implemented by HeaRT with the Pellet.

Concept by G. J. Nalepa and W. T. Adrian (de domo Furmańska), prototype implementation by W. T. Adrian.

See LNCS/LNAI 6359/2010 Paper: Pellet-HeaRT – Proposal of an Architecture for Ontology Systems with Rules (2010).

It is based on the DAAL concept, see Springer SCI vol. 244/2009 Paper: Proposal of a New Rule-Based Inference Scheme for the Semantic Web Applications (2009) and TCCI II, LNCS/LNAI 6450/2010 Paper: Integration Proposal for Description Logic and Attributive Logic – Towards Semantic Web Rules (2010).

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