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Introduction
To
Description
Logic

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An Introduction To Description Logic

Description logics are knowledge representation formalisms that are highly relevant in computer science, knowledge representation and the semantic web. This is the first introductory textbook published on the subject, suitable for self-study by graduate students and as

teaching material for university courses.

An Introduction to Description Logic: 9780521695428 ...

Description logics (DLs) have a long tradition in computer science and knowledge representation, being designed so that domain knowledge can be described and so that computers can reason about this knowledge,

An Introduction to Description Logic by Franz Baader

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Extensions of the basic DL ALC 37 2.5.1 Inverse roles 37 2.5.2 Number restrictions 39 2.5.3 Nominals 41 2.5.4 Role ...

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Written by four renowned experts, this is the first textbook on description logics. It is suitable for self-study by graduates and as

the basis for a university course. Starting from a basic DL, the book introduces the reader to their syntax, semantics, reasoning problems and model theory and discusses the computational complexity of these reasoning problems and algorithms to solve them.

An Introduction to Description Logic by

Franz Baader, Ian ...

An Introduction to
Description Logics
Daniele Nardi Ronald J.
Brachman Abstract
This introduction
presents the main
motivations for the
development of
Description Logics (DL)
as a formalism for
representing
knowledge, as well as
some important basic
notions underlying all
systems that have
been created in the DL

tradition.

An Introduction to Description Logics

Description logics (DLs) are a family of knowledge representation languages that can be used to represent knowledge of an application domain in a structured and well-understood way.

Introduction (Chapter 1) - An

Introduction to Description ...

Description logics are a family of formal knowledge representation languages. Many DLs are more expressive than propositional logic but less expressive than first-order logic. In contrast to the latter, the core reasoning problems for DLs are decidable, and efficient decision procedures have been designed

and implemented for these problems. There are general, spatial, temporal, spatiotemporal, and fuzzy description logics, and each description logic features a different balance between expressiv

Description logic - Wikipedia

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Description Logic Textbook - An Introduction to ...
Introduction Description logics (DLs) are a family of knowledge representation

Description Logic languages that are widely used in ontological modelling. An important practical reason for this is that they provide one of the main underpinnings for the OWL Web Ontology Language as standardised by the World Wide Web Consortium (W3C).

A Description Logic Primer - arXiv

Description logics are embodied in several

knowledge-based systems and are used to develop various real-life applications. Now in paperback, The Description Logic Handbook provides a thorough account of the subject, covering all aspects of research in this field, namely: theory, implementation, and applications.

The Description Logic Handbook:

Description Logic Theory, Implementation and

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In thiscourse we will study Description Logics (DL), an

important powerfulclass of logic-based knowledge representation languages (see www.dl.kr.org). The emphasiswill be on a rigorous approach to knowledge representation andbuilding ontologies.

DESCRIPTION LOGICS course

This chapter provides an introduction to Description Logics as a

formal language for representing knowledge and reasoning about it. It first gives a short overview of the ideas underlying...

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