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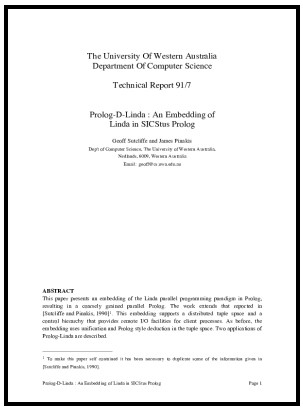

The University Of Western Australia
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Prolog-D-Linda : An Embedding of
Linda in SICStus Prolog

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ABSTRACT
This paper presents an embedding of the Linda parallel programming paradigm in Prolog, resulting in a concisely grained parallel Prolog. The work extends that reported in [Sutcliffe and Pinakis, 1990][1]. This embedding supports a distributed tuple space and a control hierarchy that provides concrete I/O facilities for client processes. As before, the embedding uses unification and Prolog style deduction in the tuple space. Two applications of Prolog-Linda are described.

[1] To make this paper self contained it has been necessary to duplicate some of the information given in [Sutcliffe and Pinakis, 1990].

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The reference implementation sort of worked, and the 'test' was to run on it a program written by David Warren and Fernando Pereira to answer questions in English about world geography, e. Source code There are no known surviving copies, but see for a relatively slight modification and port of the final Marseille interpreter to an ODRA computer.

CS405: Artificial Intelligence

Implementation techniques for Prolog databases. Warplan: A System for Generating Plans. ANLC '83 Proceedings of the first conference on Applied natural language processing.

CS405: Artificial Intelligence

Master's Thesis, Department of Computer Science, University of Waterloo, 1977. The second and third chapters are respectively devoted to blind search and informed search. Software Report 5, Department of Artificial Intelligence, University of Edinburg, 1979.

Fast Prototyping of Expert Systems Using Prolog

Many interesting hurdles are identified and solved thereby. Report with User Manual, Implementor Manual, and source code listing.

Set abstraction—An extension of all solutions predicate in logic programming language

These external procedures are not easy to use.

The practice of Prolog

Prolog programming for artificial intelligence 4th ed. The box contained the new Prolog.

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