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Term rewriting with operator evaluation strategies. (English) [Zbl 0917.68113](#)

Kirchner, Claude (ed.) et al., International workshop on Rewriting logic and its applications. Abbaye des Prémontrés at Pont-à-Mousson, France, September 1998. Amsterdam: Elsevier, Electronic Notes in Theoretical Computer Science. 15, electronic paper No. 5 (1998).

Summary: We consider a number of problems which arise when performing term rewriting in algebraic specifications with each operator having an evaluation strategy for its arguments. Each problem is illustrated with an OBJ3 example. We propose a solution developed for the evaluation of functional modules in the Maude interpreter which is based on maintaining an invariant on the term graph by copying subgraphs where necessary. An executable Maude specification of this technique is presented.

For the entire collection see [\[Zbl 0903.00070\]](#).

MSC:

[68Q42](#) Grammars and rewriting systems

[68Q65](#) Abstract data types; algebraic specification

Cited in **7** Documents

Keywords:

[term rewriting](#); [algebraic specifications](#); [MAUDE](#)

Software:

[OBJ3](#); [Maude](#)

Full Text: [Link](#)