

**Rybakov, Vladimir****Unifiers in transitive modal logics for formulas with coefficients (meta-variables).** (English)

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The paper is devoted to a study of the best unifiers for formulas with meta-variables (a.k.a. coefficients, parameters) in transitive modal logics. For transitive modal logics satisfying some special conditions, the author exemplifies an algorithm that, given a unifiable formula with meta-variables, constructs a finite set of most general unifiers. Particularly, the algorithm can be used for the logics **K4**, **K4.1**, **K4.2**, **K4.3**, **S4**, **S4.1**, **S4.2**, **S4.3**, **Grz**, **Grz.2**, **Grz.3** and **GL** which, as is proved in the paper, have finitary unification type for formulas with meta-variables.

Reviewer: [Alex Citkin \(Warren\)](#)**MSC:****03B45** Modal logic (including the logic of norms)**03G25** Other algebras related to logic

Cited in 4 Documents

**Keywords:**

modal logics; unification; most general unifiers; best unifiers; admissible rules

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