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Generalized theoroidal institution comorphisms. (English) Zbl 1253.68226

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Summary: We propose a generalization of the notion of theoroidal comorphism, motivated by several logic translations of practical importance, encountered in the implementation of the heterogeneous tool set Hets. We discuss the impact of this generalization on the level of heterogeneous specifications, by presenting the Grothendieck construction over a diagram of institutions and translations modelled as generalized comorphisms. Conditions for heterogeneous proofs are also evaluated.

For the entire collection see [\[Zbl 1173.68005\]](#).

MSC:

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

Cited in **3** Documents

Software:

[CASL](#); [HasCasl](#); [Haskell](#); [Hets](#); [Isabelle/HOL](#)

Full Text: [DOI](#)

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