KNOWLEDGE BASES AND AUTOMORPHIC EQUIVALENCE OF MULTI-MODELS VERSUS LINEAR SPACES AND GRAPHS

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Abstract

The paper considers an algebraic notion of automorphic equivalence of models and of multi-models. It is applied to the solution of the problem of informational equivalence of knowledge bases. We show that in the case of linear subjects of knowledge the problem can be reduced to the well-known in computational group theory problems about isomorphism and conjugacy of subgroups of a general linear group.

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