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Degrees of decidable and computable categoricity

Complexity of isomorphisms of decidable and, more generally, computable structures plays an important role in computable model theory. The degree of decidable categoricity of a decidable model is the least Turing degree, if it exists, which computes at least one isomorphism between the model and each of its decidable isomorphic copies. The degree of computable categoricity of a computable model is defined similarly by considering computable instead of decidable isomorphic copies. We will present some recent results on the degrees of computable categoricity and the degrees of decidable categoricity for structures from several natural classes.