

Computable and decidable categoricity  
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The topic of computable categoricity and algorithmic dimension of structures has been part of computable structure theory since Fröhlich and Shepherdson and Mal'cev. A computable structure is computably categorical if for every computable isomorphic structure there is a computable isomorphism. Computable categoricity and its extension to arbitrary levels of hyperarithmetical hierarchy have been studied extensively. Goncharov has been at the forefront of this study, establishing some of the most important results including those connecting categoricity with definability. More recently, Goncharov introduced and investigated the notion of decidable categoricity where the structures are decidable. We will present some fundamental, early and recent results in this area, including a number of collaborative results with Goncharov and others.