

## Categoricity Spectra for Rigid Structures

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### Abstract

© 2016 by University of Notre Dame. For a computable structure  $M$ , the categoricity spectrum is the set of all Turing degrees capable of computing isomorphisms among arbitrary computable copies of  $M$ . If the spectrum has a least degree, this degree is called the degree of categoricity of  $M$ . In this paper we investigate spectra of categoricity for computable rigid structures. In particular, we give examples of rigid structures without degrees of categoricity.

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### Keywords

Categoricity spectrum, Computable structure, Computably categorical, Degree of categoricity, Rigid structure