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## Degrees of categoricity of computable structures

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### Abstract

Defining the degree of categoricity of a computable structure  $M$  to be the least degree  $d$  for which  $M$  is  $d$ -computably categorical, we investigate which Turing degrees can be realized as degrees of categoricity. We show that for all  $n$ , degrees  $d$ . c. e. in and above  $0(n)$  can be so realized, as can the degree  $0(\omega)$ . © 2009 Springer-Verlag.

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### Keywords

Categoricity spectrum, Computability, Computable model theory, Computable structure, Degree of categoricity