Linear orders with distinguished function symbol

B. Csima, D. Cenzer and B. Khoussainov August 23, 2007

Abstract

We consider certain linear orders with a function on them, and discuss for which types of functions the resulting structure is or is not computably categorical. Particularly, we consider computable copies of the rationals with a fixed-point free automorphism, and also ω with a non-decreasing function.