1123-03-65   **Matthew Harrison-Trainor**, **Gregory Igusa** and **Julia Knight*** (`knight.1@nd.edu`), 255 Hurley Hall, Mathematics Dept,, University of Notre Dame, Notre Dame, IN 46556. *Computable structures of Scott rank ω_1^{CK}.*

There are computable structures of Scott rank ω_1^{CK}. Most of these examples were derived from a particular tree, and they all had the feature that the computable infinitary theory is $\aleph_0$-categorical. We give a new example of a computable structure $\mathcal{A}$ of Scott rank ω_1^{CK} whose computable infinitary theory is not $\aleph_0$-categorical. This answers a question of Sacks and J. Millar, also asked by Calvert, Goncharov, and the third author. (Received August 15, 2016)

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