1163-03-968 **Johanna Franklin*** (`johanna.n.franklin@hofstra.edu`), Department of Mathematics, Room 306, Roosevelt Hall, Hofstra University, Hempstead, NY 11549, and **Alexander Melnikov** and **Dan Turetsky**. *The complexity of the index set of Banach spaces isomorphic to $C[0,1]$.*

The complexity of the index set of the computably presented Banach spaces that are isomorphic to $C[0,1]$ can be crudely bounded by Σ_1^1; Brown had demonstrated that an arithmetical bound could be obtained if the signature for Banach spaces was extended. Here, we show that there is a Δ_5^0 isomorphism between any computable presentation of $C[0,1]$ and the standard presentation using only the usual signature plus addition, giving us a tighter bound on the complexity of this index set. (Received September 14, 2020)