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The classification of simple separable KK-contractible C*-algebras with finite nuclear dimension.

(English) [Zbl 1465.46059]

Summary: The class of simple separable KK-contractible (KK-equivalent to \{0\}) C*-algebras which have finite nuclear dimension is shown to be classified by the Elliott invariant. In particular, the class of C*-algebras \(A \otimes W\) is classifiable, where \(A\) is a simple separable C*-algebra with finite nuclear dimension and \(W\) is the simple inductive limit of Razak algebras with unique trace, which is bounded (see [S. Razak, Can. J. Math. 54, No. 1, 138–224 (2002; Zbl 1038.46051)] and [B. Jacelon, J. Lond. Math. Soc., II. Ser. 87, No. 2, 365–383 (2013; Zbl 1275.46047)]).

MSC:

46L35 Classifications of C*-algebras
46L80 K-theory and operator algebras (including cyclic theory)

Keywords:

KK-contracibility; Elliott invariant; nuclear dimension

Full Text: DOI

References:


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