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*The classification of unital simple C\*-algebras of finite nuclear dimension*

The recent history of the (now complete) classification of unital simple C\*-algebras of finite nuclear dimension (assumed to be separable—an essential hypothesis—and to satisfy the UCT—possibly redundant) is outlined. (Just the most recent part takes up about five hundred pages, and necessary earlier work is spread out over another five hundred pages—with perhaps thirty authors directly involved.)

The question of other classes—for instance non-unital simple algebras—is still a challenging one.