

ON THE CLASSIFICATION OF SIMPLE C^* -ALGEBRAS WITH FINITE NUCLEAR DIMENSION

George Elliott

Fields Institute, University of Toronto

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Recently, a complete classification of unital simple (separable) UCT C^* -algebras with finite nuclear dimension has been obtained, extending to the finite case the famous axiomatic result of Kirchberg and Phillips in the infinite case. This is a consequence of the work of many authors, over a period of thirty years. Some progress has been made in the non-unital setting. An abstract theorem has been obtained in the special case of trivial K -groups (joint work with Z. Niu). (In this case the tracial invariant is all that is left!) Preliminary results have been obtained in the general case (joint work with B. Jacelon and Niu).