

ON THE CLASSIFICATION OF SIMPLE C^* -ALGEBRAS WITH TRIVIAL K -THEORY

Zhuang Niu

University of Wyoming

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Consider the class of simple separable finite C^* -algebras which have finite nuclear dimension and are KK -equivalent to the zero algebra. Then this class of C^* -algebras is classified by the invariant $(T^+A, \Sigma A)$, where T^+A is the cone of densely defined lower semicontinuous traces of A with the topology of pointwise convergence, and ΣA is the compact subset consisting of the traces with norm at most one. This is a joint work with G. Elliott.