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A Ring Structure on the K-theory of Certain C*-Algebras.

We consider the C^*-algebras associated to a Smale space. Ian Putnam showed that one of these algebras has an asymptotically abelian action that gives rise to a product on K-theory via the E-theory of Connes and Higson. In the case that the Smale space is a shift of finite type, the K-theory groups have a concrete description as an inductive system. We describe the ring structure in terms of the inductive system and show an example in which the K-theory ring is non-commutative. This is joint work with Ian Putnam.