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*The Cuntz semigroup of the tensor product of C\*-algebras*

We study how the Cuntz semigroup of the tensor product,  $A \otimes A$ , of two identical C\*-algebras relates to the Cuntz semigroup of the C\*-algebra  $A$ . We restrict our attention to C\*-algebras which are unital, simple, nuclear, stably finite, Z-stable, satisfy the UCT, with finitely generated K-theory, trivial  $K_1$ -group and have stable rank one. This is joint work with Dan Kucerovsky (University of New Brunswick)