The Cuntz semigroup of the tensor product of $C^*$-algebras

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In the early 2000s, work by A. Toms prompted major questions regarding the Cuntz semigroup. In our work we study how the Cuntz semigroup of the tensor product of two identical algebras $A \otimes A$ relates to the Cuntz semigroup of $A$. A natural tensor product map can be constructed. We report on surjectivity property of this map.

This is joint work with Dan Kucerovsky (UNB).

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