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The Cuntz semigroup of a unital graph C-algebra*

The Cuntz semigroup is one of many invariants used in the classification of C*-algebras satisfying nice regularity properties. Due to the abundance of positive elements in any C*-algebra, the Cuntz semigroup separates itself from other invariants with its ability to recover far more information about the underlying C*-algebra than other invariants and hence, its powerful faculty for distinguishing pairs of C*-algebras that other invariants remain blind to.

With a focus on examples, we will describe in this talk the Cuntz semigroup of a unital graph C*-algebra and pinpoint how the Cuntz semigroup interacts with the highly organised structure of a unital graph C*-algebra.