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C-algebras generated by arrays of projections*

We will discuss the structure of the universal C^* -algebra generated by a finite rectangular array of projections in which each row and column consists of orthogonal projections, with or without the requirement that the rows and columns sum to the identity. Some of these are quantum groups called noncommutative symmetric groups.

This talk is given on the occasion of the 60th birthday of Bruce Blackadar.