

Combinatorics of boundary algebras.

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Boundary algebras are an important tool in the categorification, by Jensen–King–Su and by Pressland, of cluster structures on positroid varieties, defined by Scott and by Galashin–Lam. Each connected positroid has a corresponding boundary algebra. We give a combinatorial description of the set of algebras which arise as the boundary algebra of some positroid. Using this combinatorial structure, we give the first complete description of the minimal relations in the boundary algebra. This talk is based on joint work with Jonah Berggren.

Primary author: BORETSKY, Jonathan (MPI Leipzig)

Co-author: BERGGREN, Jonah

Presenter: BORETSKY, Jonathan (MPI Leipzig)