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Semicrossed products of the non-commutative disc algebra

The non-commutative disk algebra \mathfrak{A}_n is the norm closed nonself-adjoint operator algebra generated by n isometries with pairwise orthogonal ranges. The automorphisms are determined by conformal automorphisms of the unit ball in \mathbb{C}^n . I will discuss the classification and representation theory of the semi-crossed product of \mathfrak{A}_n by an automorphism.