אלגבראות של אופרטורים ותורת האופרטורים

הההרצאה

random of algebras Toeplitz for Co-universality groups hyperbolic relatively on walks

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תקציר: When studying quotients of C-algebras- generated by creation and annihilation operators on analogues of Fock space, the question the of existence the of a co-universal quotient plays an important role in answering fundamental questions in the theory. The study of co-universal quotients goes back to works of Cuntz, and Cuntz and Krieger, on uniqueness theorems for C-algebras arising from symbolic dynamics, and by now co-universal quotients have been shown to exist in several broad classes of examples of Toeplitz C*-algebras.

When associating Toeplitz C-algebras- to random walks on a group G, new notions of ratio-limit space* and boundary emerge from searching for their co-universal quotients, and the existence of these co-universal quotients becomes intimately related to the group dynamics on the ratio-limit boundary.

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