

CLASSIFICATION OF INDUCTIVE LIMIT C*-ALGEBRAS WITH IDEAL PROPERTY

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23 November, 14:00-15:00

The class of C*-algebras with the ideal property unifies and generalizes two important class of C*-algebras: the class of real rank zero C*-algebras and the class of unital simple C*-algebras. In this talk, we will present a classification theorem for AH algebras of no dimension growth with the ideal property which unifies and generalizes the corresponding classifications of real rank zero such algebras due to Dadarlat-Gong and of simple such C*-algebras due to Elliott-Gong-Li. One new ingredient in the invariants is the compatibility of Hausdorffized algebraic K_1 group of the cut down algebras which can not be recovered from any old invariant. The talk will be based on two joint papers of Gong-Jiang-Li-Pasnicu and Gong-Jiang-Li.