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Equivalence of two Invariants of C^ -algebras with the ideal property*

Successful classification results have been obtained by using the traditional Elliott's Invariant for the AH algebras for cases of real rank zero and simple AH algebras with slow dimension growth. The ideal property (each closed two-sided nontrivial ideal is generated by the projections inside the ideal) unifies and generalizes the above two cases. K.Stevens first uses the so called Stevens' Invariant to classify AI algebras with the ideal property. After that, C.Jiang, K.Ji and K.Wang prove more general classification theorems. In my talk, I want to show that the Stevens' Invariant are equivalent to the Elliott's Invariant when extended positive real valued traces are considered for the C^* -algebras with the ideal property.