

A complete classification of limits of splitting interval algebras with the ideal property

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Communicated by: George Elliott

Received: March 12, 2011

Abstract. Let $A = \varinjlim (A_n, \phi_{n,m})$ be an inductive limit C^* -algebra with $A_n = \bigoplus_{i=1}^k A_n^i$ with the A_n^i splitting interval algebras. Suppose that A has the ideal property: each closed two-sided ideal is generated (as an ideal) by projections in the ideal. In this article, we will show that the scaled ordered K_0 group and the ordered vector spaces $\text{AffT}(eAe)$ with e a projection together with the natural maps between them are complete invariants for the classification of this class of C^* -algebras.