On Inductive Limit Type Actions of the Euclidean Motion Group on Stable UHF Algebras

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Abstract. An invariant is presented which classifies, up to equivariant isomorphism, $C^*$-dynamical systems arising as limits from inductive systems of elementary $C^*$-algebras on which the Euclidean motion group acts by way of unitary representations that decompose into finite direct sums of irreducibles.