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Homomorphisms between simple $\mathcal{Z}$-stable C*-algebras

A C*-algebra is called rationally tracially AI if its tensor product with a UHF-algebra is tracially AI. Consider two homomorphisms between any given pair of $\mathcal{Z}$-stable simple amenable rationally tracially AI algebras which satisfy the UCT. It is shown that these two homomorphisms are approximately unitarily equivalent if and only if they induce the same map between the ordered KL-groups, the tracial simplexes and the Hausdorff completions of the algebraic K_1-groups. This is a joint work with Huaxin Lin.