

Nonstable K-theory for diagonal AH-algebras

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Nonstable K-theory is the study of homotopy groups of the unitary groups of a C^* -algebra. A central problem in the subject is to understand when these homotopy groups are determined by ordinary K-theory, which leads to the notion of KK -stability.

In this talk, we shall discuss KK -stability for tensor products of diagonal AH-algebras. We will present a characterization of when such tensor products are KK -stable, outline the main ideas behind the proof, and conclude with some applications.